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with Dual 16k Cache

9

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64-bit processor with
4-64k Cache

11

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Conversion Chart

inch *to* mm	inch x 25.4	mm *to* inch	mm ÷ 25.4	C° *to* F°	c x 1.8 + 32
inch *to* cm	inch x 2.54	cm *to* inch	cm x .3937	F° *to* C°	f – 32 ÷ 1.8
feet *to* meters	foot x .3048	meters *to* feet	meter x 3.28084	ounce *to* gram	oz. x 28.349

Voltage = Current x Resistance

Watts = Volts x Amps

VA = Volts x Amps

tera	giga	mega	kilo	-	milli	micro	nano	pico
$10^{(12)}$	$10^{(9)}$	$10^{(6)}$	$10^{(3)}$	10	$10^{(-3)}$	$10^{(-6)}$	$10^{(-9)}$	$10^{(-12)}$
t	g	M	k	-	m	µ	n	p

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A

AC Receptacles

Accelerometers

Accessories/D-Sub
(see Hardware)

Adapters
- Audio
- Auto Lighter Plug/Socket
- D-Sub
- Fiber Optic
- Keyboard
- Memory Card
- Modular
- Mouse
- PLCC
- Programming/Prototyping
- RF
- SCSI
- TO to DIP
- USB

Alarms (see Buzzers)

Alligator Clips

Alternistors

Antenna
- Cellular/GPS
- Magnetic Mount
- Planar
- RFid
- SMD
- Whip
- Wireless
- Yagi

Attenuators

Audio Processors

Auto Accessories
- Cigarette Lighter Plugs/Socket
- Fuses and Fuseholders

B

Ballast, Lighting

Balun

Batteries
- Coin Cell
- Holders/Clips
- Lithium
  - Rechargeable

Bezels

Blowers/Fans
(see Fans/Blowers)

Boards
(see PC Board Prototyping)

Boxes (see Enclosures)

Bushings
- Strain Relief

Buzzers

C

Cabinets (see Enclosures)

Cable Assemblies
- BNC, Molded
- CAT 5 and CAT 5e Patch
- CAT 6 Patch
- Computer, Molded
- DVI
- F Type (Television)
- Fiber Optic
- Flat Flex Cable
- Flat Flex DF9
- HDMI
- IDC
  - Card Edge
  - DIP
  - D-Sub
  - PCB
  - Pin/Plug
  - Socket
- IEEE 1394
- Modular
- Multi-Media
- Power Cord
- RF
- S Video
- SCSI Extension
- Serial ATA
- Stereo Extension
- Termination Jumpers
- Twisted Pair
- U.FL
- USB
- VGA

Cable Clamps

Cable EMI Ferrite Cores

Cable/Cord Grips

Cable Testers

Cable/Wire Ties
- Holders
- Tak Ties, Reusable
- Twist Lock
- Wire Clamp
- Wire Tie Wrap

Cable/Wire
- Category 5e
- Coaxial
- Datacom Cable
- Fiber Optic
- Fire Alarm
- Flat Cable Jumpers
- Flat Flex Cable
  - 0.040" (1mm)
  - 0.050" (1.27mm)
  - 0.100" (2.54mm)
- Instrumentation
- LVDS
- Microphone, Shielded
- Modular
- Multiconductor
  - Shielded
- Multi-Paired, Shielded
- Plenum
- Ribbon
  - 0.080" (2mm)
- Stripping Tools
- UTP High Speed Data/LAN Cable

Camera Modules
- CMOS Image Sensors
- Evaluation Boards
- Lens Kits

Capacitor Arrays

Capacitor Networks

Capacitors
- Aluminum Electrolytic
  - Axial
  - Flatpack
  - Screw Terminal
  - Snap-In
- Aluminum Organic
- Bi-Polar
- Ceramic
  - Axial
  - Chip
  - Disc
  - Monolithic
  - Multilayer
  - Multilayer Chip
  - Safety
  - Soft Termination
  - Trimmer
- Computer Grade
- Electric Double Layer (EDLC)
- EMI Suppression
- Feed Through
- Film
- Gold
- Low Inductance
- Metallized Polyester
- Metallized Polypropylene
- MICA
- Microwave Chip
- Niobium Oxide
- Polymer
- Supercapacitor Aerogel
- Tantalum
  - Axial
  - Radial
- Thin Film RF
- Trimmer
- Ultracapacitors
- Variable
- Wet Tantalum

Card Racks
- Backplanes

Chokes (see Coils/Inductors)

Circuit Breakers
- DIN Rail Mount
- Switch
- Thermal
- Thermal Links

Clips
- Fuse
- Nano/Micro

Coils/Inductors
(also see Transformers)
- Air Core
- Chip
- Chokes
  - CAN-BUS
  - Current Compensated
- Common Mode
  - Arrays
- Conformal Coated
- Drum Core
- High Current
- High Frequency
- Kits
- Monolithic
- Multilayer Chip
- Power
- Rod Core
- Shielded
- Switchmode
- Thin Film
- Toroidal
- Variable
- Voltage Step-Up
- Wirewound

CompactPCI® Products

Computer Equipment
- Cable Assemblies
- Keyboards
- KVM Switches
- Trackballs

Connectors
- 0.050" (1.27mm)
- 0.100" (2.54mm)
- 0.156" (3.96mm)
- 0.3mm
- 0.4mm
- 0.5mm
  - SlimStack™
- 0.6mm
- 0.65mm
- 0.8mm
- 1.0mm
- 1.25mm
- 1.5mm
- 2mm
  - Hard Metric
  - Metral®
  - Millipacs®
  - Socket
  - Z-Pack
- 2.5mm
- 4.2mm
- 5.0mm
- 5.08mm
- 7.5mm
- 7.92mm
- ATCA
- Audio
- Backplane
- Backshells
- Banana Plugs/Jacks
- Binding Posts
- Blind Mate (BMI)
- Board-to-Board
  - Floating
- Card Edge
- Centronics
- C-Grid
- Champ®
- Circular
  - 97 Series
  - Accessories
  - Bayonet Lock
  - C091
  - C16
  - DIN
  - Metal
  - MIL-C-5015
  - Miniature
  - MS Series
  - Plastic
  - Push-Pull Lock
  - RADSOK®
  - Screw Lock
  - Video
- CompactPCI®
- Delta
- DIN, Rectangular
- D-Sub
  - Accessories
  - Backshells
  - Combination
  - Dual Port
  - Filtered
  - Gender Changers
  - Hardware Kits
  - High Density
  - Press Fit
  - Water Resistant
- Dynamic
- Edgecard (see Connectors - Card Edge)
- Ethernet (see Connectors - Modular)
- ExpressCard™
- Eurocard
- F Type
- FFC/FPC (Flat Flex)
- Fiber Optic
- GBIC
- Hard Metric
- Hardware
- HDI (High Density Interconnect)
- HDMI
- Headers
  - 0.025" (0.635mm)
  - 0.031" (0.80mm)
  - 0.050" (1.27mm)
  - 0.100" (2.54mm)
  - 0.156" (3.96mm)
  - 2mm
  - Female
    - 0.050"
    - 0.100"
    - 0.156"
  - IDC
  - Protected
- Hoods, D-Sub
- HSSDC2
- IDC Discrete
  - Socket
- IDC Ribbon Cable
  - Delta
  - DIP
  - D-Sub
  - Mini D (MDR)
  - PCB
  - Pin/Plug
  - Socket
- IEEE 1394 (Firewire)
- Industrial Ethernet
- Intra-Connector™
- Interconnect Systems
- I/O
- Jig Assemblies
- Jones
- Jumpers
  - Jumpers (see Connectors - Shunts)
  - Termination Jumpers
- LAN
- Mate-N-Lok®
- Memory
  - CardBus
  - Card Connectors
  - Compact Flash
  - DIMM
  - Memory Stick®
  - PCMCIA Memory Card
  - Secure Digital
  - SIMM
  - TransFlash
- Metrimate
- MicroCross™ DVI
- Microphone
- Mictor
- Miniature Rectangular - (MR)
- Mini-Fit
  - BMI
  - HCS
  - SMC
  - Sr.
- Modular
  - 70AD
  - Adapters, Filtered
  - Adapters, IBM Equivalent
  - DSL Filter
  - Ethernet
    - RJ11
    - RJ45
  - Industrial
  - PoE
    - (Power Over Ethernet)
  - Spring-Loaded Contacts
- M-Series
- MTA .100" and .156"
- MTE .100"
- MX150L
- PanelMate
- Parallel Interface
- PC Pins/Receptacles
- PCI Express
- Phono Jacks/Plugs
- Power
- Power Edge™
- Power Supply
- Rack and Panel
- RADSOK®
- Retention Modules
- Reverse Polarity SMA
- RF
  - Accessories
  - Adapters
  - AMC
  - BNC
  - Board-to-Board
  - Coaxial
  - Decoupled
  - FL (Finger Lock)
  - H.FL
  - MCX/MMCX Type
    - SMP
  - Mini D Ribbon (MDR)
  - N Type
  - SHV
  - SMA/SMB
    - FAKRA (SMB)
    - QMA (SMA)
  - Terminator Plugs
  - TNC
  - Tools, Crimp
  - Twinaxial
  - U.FL
  - UHF
  - W.FL
- RITS
- RJ45
  - (see Connectors - Modular)
- Sabre™
- SAS
  - (Serial Attached SCSI)
- SATA
- SCA2
- Scotchlok™
- SCSI
- SCSI Terminator
- Serial ATA
- SFP
  - (Small Frame Pluggable)
- Shunts/Jumpers
- SIM Card
- Smart Card
- SmartMedia

The following items are also available through Digi-Key. Go to *www.digikey.com* and do a keyword search to find the products you want.

Sockets, IC
(see IC Sockets)
Soft Shell .062" and .093"
Switch
System 50
Telecom
Television, "F" Type
Terminal Blocks
Accessories
Barrier Blocks
DIN Rail
DIN Rail Mounted
Eurostyle®
PCB Mounted
Terminals/Splices
Board-in-Crimp
Butt Splice
Closed End
Crimp
Faston
Knife Disconnect
Quick Connect
Ring Tongue
See and Splice™
Snap Plug
Spade Lugs
Wire Pin
Termination Plugs
USB
VHDCI
Water Resistant/Waterproof
XFP
Z-Pack

Contacts
(see Connectors)

Controllers
Brushless Fan Motor Controller
Temperature

Converters, AC-DC
(see Power Supplies)

Converters, DC-DC
(see Power Supplies)

Counters
Accessories
Frequency

Crystals
Cylinder Type
Tuning Fork

Current Indicators

D

Delay Lines

Detectors
CO
Combustible Gas Leak
Refrigeration Leak

Development System Matrix

Development Kits and Tools
Accessories
Adapters
BASIC Stamp Kits
Daughter Boards
Debug Tools
Demo Kits
Development Kits
Emulators
EPROM
Flash
PIC
Evaluation Boards and Kits
RF
Sensors
LED Discovery Kit
Oscillator
Programmers
Programming Cable
Reference Design Kits
Remote Control Design
Simulators
Software
C-Compiler
Library
Module
Speech Recognition Kit
Programmable Interactive Module
Voice Record/Playback
Web Server Kit

Diacs

Dials, Concentric Scale

DIN Rail

Diodes/Rectifiers
Arrays
Bridge
FREDs/HexFREDs
Hyperabrupt Varactors
PIN (RF)
Schottky
Switching
TVS (see Transient Voltage Suppressors)
Variable Capacitance
Varistors (see Varistors)
Zener

Displays
Backlights
LCD (see LCDs)
LED (see LEDs)
Vacuum Fluorescent

Duct Wiring

E

EMI Suppression
Arrays
Capacitors
Common Mode Chokes
Ferrite Cable Cores
Ferrite Chips
Filter Capacitor Type
Filters
High Current
LC Combined Chip

Emulators
(see Development Tools)

Enclosures/Boxes/Racks
Accessories and Hardware
Cabinets
Conductive
Cases/Boxes
Aluminum
E.M.I.
Plastic
Soft-Sided
Racks
Watertight/Airtight Cases

Encoders
Digital Contacting
Mechanical
Modular
Navigation
Optical
Rotary
Square/Sealed
Universal

EPROM Eraser

ESD Products
Suppression Arrays
Multilayer Chip
Surgectors
Transient Voltage Suppressors (TVS)
Varistors/ZNRs

F

Fans/Blowers
AC
Blowers
Chip Cooler
DC
Axial
Brushless DC
Hydro-wave Bearing (HWB)
Tachometer Output
ThermaPro-V
Finger Guards

Ferrites
Bead Cores
Chip Arrays
Chips
Clamp-On
Common Mode Chokes
Differential Mode
EMI Discs and Plates
Flat Core
Flexible Ferrite Material
Kits
Ribbon Cable
Ring Core
Split Cores

Ferrules
Crimp
Fiber Optic
Split-Ring

Fiber Optic
Accessories
Adapters
Amplifiers
Attenuators
Bare Cable
Cable
Connectors
Emitters/Detectors
Ferrules
Kits
LEDs
Receivers
Switches
Terminators
Test Equipment
Tools
Transmitters
Transmitting/Receiving Modules

Filters
3-Terminal
Bandpass
Crystal, Monolithic
Dielectric
Digital Noise
DSL (CPE)
EMI (see EMI Suppression)
Helical
Line
Mains Suppression
RF Line
SAW
Thin Film

Fish Paper

Fuses
1/4" x 1-1/4"
Alarm Indicating
Automotive
Axial
Blade
Clips
Glass
Holders
Automotive Clips
Kits
Metric
Multi-Meter
Picofuse
Radial
Resettable
SMD
Telecom
Thermal Cutoffs
Thin Film

G

Gaskets

Generators
Function
NTSC
RF
Video

Graphite Sheets

Grommets

Gyroscopes

H

Hardware
Bushings
Strain Relief
Cable Clamps
Casters
D-Sub Connectors
Fuse Holders
Grommet Edging
Grommets
Handles
Insulators
Knobs, Instrumentation
LED Holders
Spacers/Standoffs
Spiral Wrap
Support Posts
Tubing, Corrugated Loom

Headers (see Connectors - Headers)

Heat Shrink
Kits
Tape
Terminals and Splices
Tubing

Heat Sinks
BGA
Graphite Sheets
Grease
Pads

I

IC Sockets
(also see Sockets)
Adapters
IC
PLCC
DIP
Machine Pin
Miniature Spring
PGA
PLCC
Socket Carrier
Solder Tail
Test
Type "A" LCC
ZIF
ZIP DIP

IC Test Clips

Inclinometers

Inductors
(see Coils/Inductors)

Insulators
MICA
Nylon

Integrated Circuits/Semiconductors
AC-DC Converters
A/D and D/A Converters, DAS
Amplifiers
Audio/Video
Current Feedback
Differential
Instrumentation
Op Amps
Programmable Gain
Variable Gain
Voltage Feedback
Analog
Analog Video Products
Audio Volume Control
Battery Management
Bridge Controllers/Drivers
Buck Regulators
Buffers
BUS Solutions
CCD Signal Processors
Clock Peripherals
Codec
Comparators
Counters/Timers
Current Mirror/Monitors
Current Sensors
Data Communication
Data Conversion
(see ICs - A/D and D/A Converters)
Data Transfer, USB to UART
Data Transmission (see ICs - Interface)
DC-DC Converters
Digital Logic
4000
65MLVD
7400
74ABT/ABTE/ABTH/ABTR
74AC/ACQ/ACT/ACTQ
74AHC/AHCT/AHCU
74ALS
74ALV/ALVC
74ALVT/ALVTC/ALVTH
74AS
74AUC/AUCH/AUCU
74AUP
74AVC
74BCT
74C/CBT
74F
74FB (Future Bus)
74FCT
74GTL/GTLP/GTLPH
74HC/HCT/HCU
74LC/LCX
74LPT
74LV/LVC
74LVQ
74LVT/LVTH
74LVU
74LVX
74LX
74S
74SST
74TTL
74V
74VCX/VCXH
74VHC
74VMEH
Bus Switch Products
HC/HCF
LMOS
SOTiny™
TinyLogic™ HS/UHS Series
Digital Audio Processors
Digital Radio
Display and Video Converters
Drivers
LCD/LED Drivers
Stepper Motor
DSP (Digital Signal Processor)
Energy Measurement
ESD/EMI Protection
Fan Management
Filters
Hall Effect Sensors
IEEE1394
Integrated Power Switching Controllers
Design Kits
Interface
ADSL Drivers
CAN Controllers
Digital Audio
Ethernet Protocol
Hot Swap Control
I²C
LVDS
LVDT
LVP
Memory
MVLD
PECL

- Peripherals
- PCI
- PLL (Phase Locked Loop)
- Power Supply Tracker
- PWM (Pulse Width Modulator)
- RS232/422/423/485
- SCSI
- SIM
- SMBus
- Transmitters/Receivers
- USB
- I/O Expanders
- IrDA
- Isolators
- Lighting
- Linear
- Logic Translation
- Memory Products (see Memory)
- Microcontrollers
  - 8051 Architecture
  - ARM
  - AVR
  - BASIC Stamp
  - BlueStreak
  - CAN
  - Expansion Modules
  - Flash
  - MCS® 51/251
  - MCS® 96
  - MP3
  - OTP
  - PIC
  - PRoC
  - Smart Card
  - USB
- Microprocessors
  - Modules
- Mixed Signal Product
- MMIC
- Multiplexers/Demultiplexers
- Multipliers/Dividers
- Potentiometers, Digital
- Power Control/Management
- Power Supply Products
- Power Switch
- Precision Ground Reference
- Programmable Logic
  - CPLDs
  - FPGAs
  - FPSLIC
  - PGAs
  - SPLDs
- ProSLIC
- Q Filter, Variable
- Real Time Clocks
- Relays
- RF Products (see RF/IF)
- Ring Controllers
- Smoke Detection ICs
- Sound Modules
- Specialized
- Surge Protection
- Switches
  - Analog
  - Bus
  - Crosspoint
  - PCMCIA
  - Power Distribution
  - RF
- Switching Regulators
- Telecommunications
  - ISDN U-Interface
  - Transceivers
  - PCM Codec-Filters
  - Speaker Phone Circuits
- TFT Displays, Small
- Thermal Management
  - MICA Insulators
  - Temperature Sensors
- Thermostats
- Timers
- Tone Decoder
- Video
- Voice Record/Playback
- Voltage Converters
- Voltage Detectors
- Voltage Monitors
- Voltage References
- Voltage Regulators
- Voltage Resets
- Voltage-to-Current Converter
- Volt-to-Freq/ Freq-to-Volt Converters

Inverters
- CCFL and UV
- Power

I/O Modules

Isolators (see Optoisolators)

K

Keyboards

Keypads

Kits
- BASIC Stamp Kits
- Capacitors
  - Aerogel Carbon Foam
  - Aluminum Electrolytic
  - Film
  - RF/Microwave
  - Specialty Polymer
  - Supercapacitor
- Chokes
- Connector
- Diodes
  - Zener
- EMI Components
- Fabri-Level™ Switch
- Fiber Optic
- Fuses
- Heat Shrink Tubing
- Inductors
- Potentiometers
- Resistors
- Sensors
- Switches
- Terminals, Insulated
- Thermistors

Knobs

L

Labels
- Computer Printable
- Heat Shrink
- Safety
- Thermal Transfer
- Wire Marker Dispenser

Lamps
- Bracket
- Bulbs
- Magnifiers

Laser
- Accessories
- Diodes Modules
  - Adjustable Focus
  - Infrared
  - Laser Line Generator
- HE NE (Helium Neon)
- Receivers
- WBS

LCDs
- 7-Segment Displays
- Character Display - Modules
- Controller Boards & Accessories
- Dot Matrix Modules
- Graphic Display Modules
- Organic (OLED) Displays
- TFT Displays
  - Development Kits

LEDs
- 7-Segment Displays
- Alphanumeric Displays
- Arrays/Light Bars
- Assemblies
- Bar Graph Array
- Based
- Bi-Color
- Blue
- Cluster
- Dot Matrix Display
- Fiber Optic
- Flashing/Blinking
- Heat Sinks
- Hexadecimal Displays
- High/Mega Brightness
- Holders/Mounts
- Incandescent Replacement
- Infrared
- Lenses/Caps
- Level Meters
- Low Battery Indicators
- Modules
- Multi-Color
- Numeric Displays
- Prisms
- RGB (Red/Green/Blue)
- Smart Displays
- White
- Wide Angle

Light Pipes

Lights
- Worklights

Line Conditioners

Lockouts

M

Magnetic Card Readers

Magnets

Magnifiers

Memory
- Cards
  - Compact Flash
  - Flash Disks
  - iDOC
  - PCMCIA
  - Secure Digital
  - uDOC
- Integrated Circuits/ Semiconductors
  - DataFlash, Serial
  - DDR
  - DDR2
  - DiskOnChip
  - EEPROM, Parallel
  - EEPROM, Serial
  - FIFO
  - Flash
  - NVRAM
  - PROM, Serial
  - SDRAM
  - SRAM
- Memory Interface Modules

Meters (see Test Equipment)

Microcontrollers (see ICs - Microcontrollers)

Microphones
- Cable
- Electret Condenser
- Holders
- Magnetic

Microprocessors (see ICs/Microprocessors)

Microscopes

MOSFET/MOSFET Drivers

Motors
- Geared
- Stepper

MOVs (see Varistors)

O

Optoelectronics
- Ambient Light Sensor
- Infrared Detectors
- Infrared Emitters
- Lenses, Spherical
- Optical Sensors
  - Reflective
- Photoconductive Cells
- Photo Detectors
- Photo Diodes
- Photo ICs
- Photointerrupters
  - Reflective
- Photo Transistors
- Touch Screens

Optoisolators/ Photocouplers
- Digital
- High Speed Output
- Logic Output
- Magnetic
- Photo-Transistor Output
- Photovoltaic
- Thyristor Output

Oscillators
- Clock
- Clock Smoother Module
- Crystal
- Ovenized (OCXO)
- Programmable
- Silicon
- Sockets
- Spread Spectrum
- Synchronous Clock - Generators
- Temperature Compensated (TCXO)
- Timing Modules
- Voltage Controlled - (VCXO)
- Temperature Compensated (VCTXO)

P

Panel Meters (see Test Equipment)

Paper
- Thermal Printer

PC Board Prototyping
- Backplanes
- Extender Cards
- Etching Equipment
- Prototyping Accessories
  - Cleaners & Cloths
  - Etch Resist Pens
  - PCB Drill Bits
  - Swabs and Brushes
  - Wipes
- Prototyping Boards
  - Copper Clad Boards
  - Solderless Breadboards
- Terminal/ Distribution Strips

Photocouplers (see Optoisolators)

Photo Detectors (see Optoelectronics)

Photo Diodes (see Optoelectronics)

Photo Transistors (see Optoelectronics)

Potentiometers
- Angle Sensing/Positioning
- Audio
- Carbon
- Ceramic
- Cermet
- Conductive Plastic
- Digital
- Joystick Controller
- Kits
- Panel Control
- Position Sensor
- Rotary
- Slide
- Stock Pot™
- Thumbwheel
- Trimmer
- Two-Axis Controller
- Wirewound

Power Cords

Power Dividers

Power Entry Modules

Power Strips

Power Supplies
- AC Adapters
- Accessories
- AC-DC Converters
- Configurable
- DC-DC Converters
  - Adjustable Output
  - Point of Load (POL)
  - Programmable
- Desktop Switchers
- DIN-Rail Mount
- Dual Output
- External
- Hook-Up Cables
- Linear
- Medical Grade
- Multiple Output
- Power Modules
- Single Output
- Switching
- Universal Input
- UPS Systems
- Wall Transformers (see Transformers)

Printers
- Accessories
- Labels
- Thermal
- Thermal Paper
- Wire Marker

Probes
- Accessories
- Clips
- Differential
- Logic
- Oscilloscope
- Pulser
- Thermocouple

Programmers and Programming Tools (see Development Tools)

Prototyping (see PC Board Prototyping)

Protractors, Digital

Q

Quadracs

R

Raceway
- Wire Duct and Accessories

Racks & Accessories (see Enclosures)

Rectifiers (see Diodes/ Rectifiers)

Reference Books

Relays
- BGA
- High Frequency
- I/O Modules
- Mechanical
- Power IC
- Reed
- Safety
- Sockets and Accessories
- Solid State
- Time Delay

Resistor/Capacitor Networks

Resistors
- Anti-Sulfurated
- Arrays
- Audio

The following items are also available through Digi-Key. Go to *www.digikey.com* and do a keyword search to find the products you want.

Capacitor Mount
Ceramic Composition
Chassis Mount
Current Sensing
Heat Sink Mountable
Kits
Metal Element
Metal Film
Metal Oxide Film
Networks
Power
Surge Capable
Thermistors (see Thermistors)
Thick Film
Thin Film Chip
Wide Terminal
Wire Element
Wirewound

Resonators
Ceramic
SAW

RF/Hybrid
Balun
Directional Coupler
Power Dividers

RFid (see RF/IF)

RF/IF
Amplifiers
Antenna
Attenuators
Bluetooth™ Devices
Modules
Serial Modem Adapter/Cord
Clock Generators
DDCs
DDS
Development Tools
Encoders/Decoders
Ethernet Bridge
FM/IF Systems
Frequency Down/Up Converters
Gain Blocks
Gain Phase Detectors
GPS
Interface
Line Filters
Log Amps/Detectors
Mixers/Multipliers
Modems
Modulator/Demodulator
OEM/RF Modules
PLL Synthesizers and VCOs
Prescalers
Power Amp Modules
Reader Modules
RFid
Antenna
Base Station IC
Development Kits
Modules
Readers
Transponders
RMS Detectors
Switches
Synthesizers
Transistors
Transmitters/Receivers
RX/TX Subsystems
Wireless Networking Tools

RFI Suppression

Ribbon Cable, Filters

S

SCRs

Semiconductors (see Integrated Circuits)

Sensors/Controllers
Accelerometer
Air Flow
Clinometers
Current
Digital Compass
Electromechanical Controls
Electro-Optic
Evaluation Kits & Modules
Float Type Level Switch
Fabri-Level™ Kit
Flow
Flow Switch
Fluid
Force
Gas
Gas Flow
Gear Tooth
Hall Effect
Programmable
Humidity
Image
Evaluation Kits
Inclinometer
Liquid Level
Load Cells
Magnetic
Magnetoresistive (MR)
Motion
Optical/Light
Oxygen
Interface Boards
Photoelectric
Piezo
Position/Proximity
Magnetic
Pressure
Shock
Smoke Detection
Switch
Temperature
Thermal
Thermopile
Vacuum
Vibration

Sidacs

Sidactors

Socket Modems

Sockets (also see IC Sockets)
DIMM
Oscillator
SIM Card
SIMM
Strip
Transistor
Zig-Zag

Socket-Wrap ID

Solder/Desolder
Accessories
Desolder Braid
Flux Pens
Replacement Tips
SMD Rework Kit
Solders
Thermal Tweezers
Equipment
Rework/Repair

Solenoids

Speakers
Alnico Magnet
Balanced Armature
General Purpose
Headset/Handset
Hi-Fi
Micro
Mini
Miniature Monitor
Notebook
Specialty

Static Control Products

Stepper Motors

Surface Mount Products (see specific product listing)

Surge Protection Components
Surge Absorbers
Arrays
Multilayer Chip
SiBar Thyristors
ZNRs
Surge Arresters
GDTs
Surge Suppressors
Arrays
Multilayer Chip

Swabs and Applicators

Switches
Accessories
Caps
Frames
Seals
Splashproof Boots
Detector
DIP
Door
Emergency Stop
Fiber Optic
Illuminated
Interlocks
Intra-Switch™
Keylock
Keypads
Key Switch
Kits
Knob Switches
Limit
Magnetic
Matrix Selector
Microswitch
Paddle (see Toggle)
Pilot Lights
Power
Pressure
Pushbutton
Push/Pull
Reed
Rocker
Rotary
DIP
Knobs and Dial Plates
Sealed
Selector
Slide
Snap Action
Switchlocks/Key Switch
Tact
Thumbwheel
Tilt
Toggle/Paddle

T

Tape
Safety/Warning
Shrink
Wire Marker

Telephone
Adapters
Connectors (see Connectors - Modular)
Modular Cables

Terminal Blocks (see Connectors)

Terminals-Splices (see Connectors)

Test Equipment and Supplies
Automotive/Industrial Meters
Cable/Harness Tester
Cable Tester
Capacitance Meters
CRT Restorer Analyzer
Current Meters
Frequency Counter
Function Generator
Hour Meters
In-Circuit Testers
Insulation Testers
Isolation Transformer
LCR Testers
Manometers, Digital
Megohmmeter
Multimeters
NTSC Generator
Oscilloscopes
Panel Meters
Analog
Cable Assembly
Digital
Parts Testers
Power Supplies
Patch Cords
PC Cable Tester
Power Supplies, DC
Probes
Clips
Differential
Hooks
Logic Probes
Oscilloscope
Pulser Probes
Test Probes
Thermocouple
Process Time Meters
Rate Meters
RF Generator
Test Leads
Test Points
Thermometers/Temperature
Testers
Transistor Testers
Video Monitor Testers
Volt/Ammeter
Voltmeters

Thermal Cutoffs

Thermistors
High Temperature
Inrush Current Limiters
Kits
Miniature Sensors
NTC
PTC
PTC Resettable Fuses
RTDs (Resistance Temperature Detectors)

Thermostats, Encapsulated

Thyristors
SiBar Thyristor Surge Protectors

Timers
Accessories
Programmable

Tools
Awl
Bit Holders
Bits and Bit Sets
Cable Tie Gun
Chip Lifter
Coax Cable Stripper
Crimp
CATV
Modular
Cutters and Pliers
Excavators
Fiber Optic
Field Service Kits
Hammers
Insertion/Extraction
ICs
Kits
Inspection Mirrors
Knives and Blades
L-Key
Magnetizer/Demagnetizer
Multi-Purpose
Nibbler
Probe Pick
Punch Down
Reamers
Screwdrivers
Tuning Tools
Tweezers
Wire/Cable Stripper

Transducers
Audio
Current
Pressure
Rotary Variable Inductance (RVIT)
Ultrasonic
Voltage

Transformers (also see Coils/Inductors)
Audio
Balun
CCFL
Chassis Mount
Configurable
Control
Current Sense
Desktop Switcher
Encapsulated
Isolation
Medical Grade
PC Mount
Piezoelectric
Power
Power Over Ethernet - (POE)
Pulse
Switchmode
Telecommunications
LAN Discrete Modules
Telephone Coupling
Toroidal
Wall Mount

Transient Voltage Suppressors (TVS)
Arrays
Diodes
EMI Protection ICs
Varistors/ZNRs

Transistors
Arrays
HEMTs
IGBTs
Insulators, MICA
VHF, UHF, RF

Transponders

Triacs

Tubing
Corrugated Loom
Heat Shrink
Kits

U

UPS Systems

V

Varistors
Arrays
Automotive
Block
Diode
MOVs (Metal Oxide)
Multilayer Chip
Standard
Strap
Telecom
TVS
ZNRs

Voltmeters

W

Wipes

Wire (also see Cable/Wire)
Holders/Ties
Markers
Tape Dispenser
Saddle

Wire Duct and Accessories

Wireless Communication (see RF/IF)

Z

ZNRs (see Varistors)

3M
Backshells, D-Sub
Cable Assemblies
Termination Jumpers
Connector Hardware
Connectors
Delta, Ribbon
D-Sub
IDC
Intra-Connector™
Intra-Switch™
Ribbon, Mini D
Scotchlok™
Headers
Heat Shrink Tubing
IC Sockets
PLCC Carrier
Type "A" LCC
ZIF
ZIP DIP
IC Test Clips
Kits
Heat Shrink Tubing
Insulated Terminals
Patch Cords
Static Control Products
Terminal Connectors
Terminal Strips

A

Aavid Thermalloy
Heat Sinks
BGA

Abracon Corporation
Crystals
Filters, SAW
Oscillators
Resonators
Ceramic
SAW

ACL Staticide, Inc.
Cleaning Wipes
Static Control Equipment
Static Control Products

ADI (see Analog Devices, Inc.)

Advanced Photonix, Inc.
Photo Diodes/Emitters

Agilent (see Avago Technologies)

Alcoswitch/Tyco
(see Tyco Electronics/Alcoswitch)

AlfaMag Electronics, LLC
Inductors

Allegro MicroSystems, Inc.
Hall Effect Sensors
Motor Drivers
Power ICs

All Sensors Corporation
Pressure Sensors

Alpha Wire Company
Cable
Multiconductor
Multipaired

American Electrical, Inc.
Cable Grips
Circuit Breakers, DIN - Rail Mount

Ametherm
Inrush Current Limiters

AMP/Tyco (see Tyco Electronics/AMP)

Amphenol - Connex
RF Adapters
RF Connectors
BNC
MCX/MMCX
N Type
SMA/SMB
TNC
Tools, Crimp

Amphenol - Industrial
Circular Connectors
97 Series
Accessories
MS Series
RADSOK®
Cord Grips

Amphenol - Pcd
Connectors
IEEE 1394
Modular, Ethernet (RJ11)
USB

Amphenol - RF Division
Adapters, RF Coaxial
RF Connectors
AMC
BNC
N Type
SMA/SMB
FAKRA (SMB)
QMA (SMA)
SMP
TNC
Twinaxial
UHF
Tools, Crimp

Amphenol - Tuchel Electronics
Connectors
Backshell Kit
Circular
C091
C16
Eco/Mate™
Smart Card

Amveco Magnetics
Transformers
Current Sense
Medical Grade
Power
Toroidal

Analog Devices, Inc.
Gyroscopes
Isolators, Digital
RF/IF Products
DDCs
DDSs
Sensors, Accelerometers
Evaluation Boards

Antenova
Antennas

API Delevan
Bead Cores
Inductors
Air Core
Chip
Common Mode Choke
Fixed
High Current
Kits
Power Choke
Shielded
Toroidal

APM Hexseal
Switch Seals

Aries Electronics, Inc.
Adapters
DIP
IC Socket
IC Sockets
Adapter
PGA
PLCC
Test
ZIF
Oscillator Sockets

Artesyn Technologies
DC-DC Converters
Power Supplies

Asahi Rubber, Inc.
Heat Sink Pads

Assmann Electronics
Adapters
D-Sub
Keyboard
Mouse
SCSI
USB
Cable Assemblies
CAT 5 and CAT 5e
Computer, Molded
IDC
DIP
D-Sub
Pin/Plug
Socket
IEEE 1394
Multi-Media
Power Cord
SCSI
Stereo Extension
Termination Jumpers
USB Extension
VGA
Cable Testers
Connectors
DIP
D-Sub
IDC Ribbon Cable
Modular
Headers
0.100" (2.54mm)
IDC
Protected
PLCC Sockets

Astec Power
AC-DC Power Supplies
DC-DC Converters

Astro Tool Corp.
Crimp Tools

Atmel
CPLDs
Development Tools and Kits
8051 Architecture
ARM Thumb
AVR
CPLD
FPGA
MARC 4
RF/Wireless
USB
FPGA
FPSLIC
Interface ICs
Memory ICs
DataFlash, Serial
EEPROM, Parallel
EEPROM, Serial
Flash
Microcontrollers
8051 Architecture
ARM Thumb
AVR
CAN
Flash
Smart Card
USB
SPLDs
Wireless Communication

Avago Technologies
(formerly known as Agilent)
LEDs
7-Segment Displays
Bar Graph Arrays
Hexadecimal Displays
Numeric Displays
Smart Displays
Surface Mount
Optoelectronics
Ambient Light Sensor
IR Detectors
IR Emitters
Optoisolators
Photointerrupters
RF and Microwave - Products
Sensors, Proximity

Aven
Blades
Deburring
Precision
Illumination Lamps
Magnifiers
Microscopes
Tools
IC Insertion/Extraction
Knives and Blades
Tweezers
Worklights
Replacement Bulbs

AVX Corporation
Capacitors
Ceramic, Multilayer
Feed-Through
Kits
Film
Low Inductance
Microwave Chip
Niobium Oxide Chip
Soft Termination
Supercapacitors
Tantalum
Thin Film, Chip
Connectors
0.4mm
1mm
2mm
Compact Flash
DIN
Hard Metric
MOBO™
PCI Express
PCMCIA
Secure Digital
Filters, Thin Film
Fuses, Thin Film
Inductors, Thin Film
Oscillators
Resonators
Ceramic
SAW
TVS (Transient Voltage Suppressors)

B

BCcomponents (see Vishay)

BEAU (see Molex)

Bel Fuse, Inc.
DC-DC Converters
Fuses
Telecom

Bergquist
Heat Sink Pads
Touch Screens

BICCGeneral (see General Cable)

Bivar, Inc.
Hardware
Insulators
Spacers
LED
Assemblies
Clips
Modules
Light Pipes

B&K Precision
AC Voltage Detector
Cable Tester
Capacitance Meters
Component Testers
CRT Analyzer
EPROM Eraser
Frequency Counters
Generators
Function
NTSC
RF
Video
Insulation Testers
Multimeters
Bench Top
Clamp-On
Oscilloscopes
Power Supplies
DC
Hook-Up Cables
Probes
High-Voltage
Logic/Pulser
Oscilloscope
Thermocouple
Programmers
Test Leads
Accessory Tips Kit
Transformer, Isolation
Transistor Tester
Video Monitor Tester

Bourns, Inc.
DC-DC Converters
Dials, Concentric Scale
Encoders
Digital Contacting
Optical
Rotary
Square/Sealed
Fuses
Telecom
Inductors
Modular Contact, 70AD
Potentiometers
Carbon
Cermet
Conductive Plastic
Kits
Panel Control
Trimmer
Wirewound
Surge Suppressors
Switches
Key Switches
Rotary Selector
Thyristors

Bud Industries, Inc.
Filters

Burr-Brown (see Texas Instruments)

Bussmann (see Cooper/Bussmann)

C

Cantherm
Bimetal Cutoffs
Encapsulated Thermostats
Sensors, Thermal
Temperature Regulators
Thermal Links
Thermistors, PTC

Cardinal Components, Inc.
Programmable Oscillators

Carling Technologies
Circuit Breakers
Switches
Accessories
Pushbutton
Rocker
Slide
Toggle

Carol Brand
(see General Cable/Carol Brand)

CDE (see Cornell Dubilier Electronics)

Cherry Switch
Computer Keyboards
Sensors
Hall Effect
Magnetic Position
Switches
Key Switch
Rocker
Snap Action
Thumbwheel

Chipcon Products (see Texas Instruments)

CII Technologies
(see Tyco Electronics/Corcom)

Cinch Connectors
Jones Connectors

Cirronet
RF Development Kits
RF Transceiver Modules

Cirrus Logic, Inc.
Integrated Circuits
A/D and D/A Converters
Codecs
Op Amps
Power Control/Management
Microcontrollers, ARM

Citizen
Crystals
Oscillators
TCXO
Printers, Thermal

Clare
Optocouplers
Relays, Solid State
Switches, Power

Clarostat
Encoder, Optical
Potentiometers

C-MAX
Antennas
RF Receivers/Evaluation Boards

CML Innovative Technologies
Lamps, Incandescent
LEDs
Assemblies
Blue
Incandescent Replacement
White

CoEv Magnetics/Tyco
(see Tyco Electronics/CoEv Magnetics)

Coiltronics (Div. of Cooper Bussmann)
Inductors
Common Mode
Power
Shielded
Toroidal
Transformers
CCFL
Power Over Ethernet (POE)

Comair Rotron
Fans

Comchip Technology
Diode Arrays
ESD Suppressors
Zener Diodes

Condor (see SL Power Electronics)

Conec
Connectors
ATCA
CompactPCI®
DIN Rectangular
D-Sub
Accessories and Hardware
Backshells
Combination
Filtered
Gender Changers
High Density
Water Resistant

Connor-Winfield
Clock Smoother Module
Crystals
Oscillators
Ovenized (OCXO)
Voltage Controlled (VCXO)
Synchronous Clock Generators
Timing Modules

Conxall/Switchcraft, Inc.
Cable Assemblies
Circular Connectors

Cooper/Bussmann
ESD
Fuses
1/4" Diameter AG
Alarm Indicating
Automotive
Axial
Metric
Multi-Meter
Telecom
Holders
Automotive
Clips
Panel Mount
PC Mount

Copal Electronics
Potentiometers, Cermet
Switches
DIP
Rotary
Slide

The following items are also available through Digi-Key. Go to *www.digikey.com* and do a keyword search to find the products you want.

Copeland Communications, Inc.
- Development Kits, Modems

Corcom/Tyco
- (see Tyco Electronics/ Corcom)

Cornell Dubilier Electronics (CDE)
- Capacitors
  - Aluminum Electrolytic
    - Computer Grade
    - Flatpack
    - Screw Terminal
  - Film, Axial
  - MICA
  - Radial

Coto Technology
- Relays
  - BGA
  - High Frequency
  - Reed
- Switches, Magnetic

Cramer Company
- Geared Motors AC/DC

CR Magnetics, Inc.
- Current Indicators
- Current Sensors

Crydom
- Diodes/Rectifiers
- I/O Modules
- Relays, Solid State
- SCRs
- Sensors, Liquid Level
- Triacs

C-Ton Industries
- Digital Panel Meters
  - Cable Assemblies
  - Power Supplies

CTS
- Crystals
- Encoders, Mechanical
- Heat Sinks (see IERC)
- Potentiometers
  - Cermet
  - Joystick Controller Kits
  - Stock Pot™
  - Trimmer
  - Two-Axis Controller
- Resistor Networks
  - BGA
- Switches
  - Rotary

CUI, Inc.
- Buzzers
- Connectors
  - Audio
  - F (Television)
  - Modular Adapters
- Current Sensors
- Encoder, Rotary
- Speakers

CUI, Inc./V-Infinity (see V-Infinity)

Curtis Instruments
- Automotive/ Industrial Meters
- Counters
- Timers

Custom Computer Services (CCS)
- C-Compiler
- Development Systems

CW Industries
- Cable Assemblies
- Connectors
  - IDC
    - Card Edge
    - DIP
    - PCB
    - Socket
- Switches
  - Kits
  - Rocker
  - Slide

Cypress Semiconductor
- Development Kits
  - Accessories
  - Evaluation Boards
  - Programmers
  - Software
- IC/Semiconductors
  - Buffers
  - Clock Generators
  - CPLDs
  - Microcontrollers
- Memory ICs
  - FIFO Memory
  - SRAM
- Wireless USB

D

Daburn Electronics & Cable Corp.
- Cable/Wire
  - Hook-Up
- Hardware, Standoffs
- Heat Shrink
  - Kits
  - Shrink Tape
  - Tubing

Dale (see Vishay)

Dallas Semiconductor
- IC/Semiconductors
  - Adapters
  - Microcontrollers
    - Evaluation Kits
    - MAXQ™
  - Oscillators

Delta Product Groups
- Fans
  - DC Axial
  - Finger Guards
- Blowers

Desco
- Probes
- Static Control Products
  - Bags
  - Cleaner
  - Desiccant Packs
  - Heel Straps
  - Mats
  - Wash Bottles
  - Wrist Straps

Dialight
- LEDs
  - Panel Mount
  - PC Mount
  - Surface Mount
- Light Pipes

Digi International
- Development Kits
  - Programmable Boards

Digital View, Inc.
- LCD Controller Boards
  - Accessories

Diodes, Inc.
- Rectifiers/Diodes
  - Bridge Rectifiers
  - Diode Arrays
  - Kits, Zener Diodes
  - MOSFETs
  - Schottky
  - Zener Diodes
- Thyristor Surge Protection
- Transistors
  - Pre-Biased
- TVS (Transient Voltage Suppressors)

DPAC Technologies (see Quatech)

E

Eastek International/ PREO
- Filters, Line

Eastman Kodak Company
- Camera Modules
- CMOS Image Sensors
- Evaluation Boards
- Imaging Processors
- Lens Kit

ebm-papst, Inc.
- Fans/Blowers

ECS, Inc. International
- Crystals
  - Kits
- Filters
  - Monolithic Crystal
  - SAW
- Oscillators
  - Programmable
  - VC-TXO/VCXOT
- Resonators

EDAC
- Connectors
  - Edgecard
  - Modular, RJ45
  - Rack and Panel
  - Telecom
- Matrix Switches

Electroswitch
- Switches, Rotary

Elna America, Inc.
- Capacitors
  - Aluminum Electrolytic
  - Electric Double-Layer (EDLC)

Elpac Power Systems
- AC Adapters
- Power Supplies
  - External
  - Medical
  - Open Frame

Ember
- RF Development Kits
- ZigBee™ ICs

Emerson Network Power Connectivity Solutions
- Adapters
- Cable, RF
- RF Connectors

EPCOS, Inc.
- Capacitors
  - EMI Suppression
  - Film
  - Metallized Polypropylene
  - Tantalum
  - UltraCap®
- Filters, SAW
- Inductors/Chokes
- Resonators, SAW
- Surge Arresters
- Varistors
  - Automotive
  - Block
  - Leaded
  - Monolithic
  - Strap
  - Telecom

Epson Electronics America, Inc.
- Oscillators

Epson Electronics America, Inc. - Semiconductor Div.
- ICs/Semiconductors
  - Charge Pumps
  - Interface
- Real Time Clocks

Equinox Technologies
- Programmers

E-Switch, Inc.
- Switches
  - Caps
  - Keylock
  - Momentary Tact
  - Power
  - Pushbutton
  - Rocker
  - Rotary
  - Slide
  - Toggle

E-T-A
- Circuit Breakers, Thermal

ETC (see Molex)

Excelsys
- Power Supplies
  - Configurable
  - Power Modules

E-Z-Hook
- Alligator Clips
- Banana Plugs/Jacks
- Coaxial Test Cables
- Hooks
- Probes
- Test Leads

F

Fairchild Semiconductor
- ICs/Semiconductors
  - 74
  - HS/UHS Series
  - Linear
  - Op Amps
  - RF Power Amp Modules
  - Specialized
  - TinyLogic™
- IGBTs
- MOSFETs

Fairchild Semiconductor/ Optoelectronics Group
- LEDs
  - Arrays/ Light Bars

FCI
- Cable Assemblies
  - Fiber Optic
- Connectors
  - 0.3mm
  - 0.5mm
  - 0.8mm
  - 1.0mm
  - 1.27mm
  - 2mm
    - Hard Metric
    - Metral®
    - Millipacs®
  - Backplane
  - Board-to-Board
    - Floating
  - Card Edge
  - D-Sub
    - Backshells
    - Combination
    - Hardware
  - DIN Rectangular
  - ExpressCard™
  - FFC/FPC (Flat Flex)
  - HDMI
  - Headers
    - 0.100" (2.54mm)
    - Female, 0.100" (2.54mm)
  - Memory
    - CardBus
    - Card Connectors
    - DIMM
    - PCMCIA Memory Card
  - Modular
  - PCI Express
  - PC Pins/Receptacles
  - Power
  - SAS (Serial Attach SCSI)
  - SATA
  - SCA2
  - SmartCard
  - Terminal Blocks
- Sockets, DIMM
- Tools, Crimp

FEIG ELECTRONIC
- RFid Antenna
- RFid Readers

Flambeau, Inc.
- Conductive Cases and Cabinets

Fox Electronics
- Crystals
- Oscillators
  - TCXO

Free2move
- RF/IF
  - Bluetooth Modules
  - Development/Evaluation Kits

Freescale Semiconductor, Inc
- Development Tools
  - Development Kits
  - DSP Emulators/ Programmers
  - Evaluation Boards/Kits
  - Programmers
  - Software
- ICs/Semiconductors
  - Buffers
  - Clock Drivers/ Generators
  - Digital Signal Processors
  - Display Drivers
  - Frequency Conversion
  - Interface
  - Microcontrollers
  - Microprocessors
  - Telecommunications
    - ISDN U-Interface
    - Transceivers
    - PCM Codec-Filter
    - Voice Switched - Speakerphone
- RF/IF
  - Receivers/Transmitters
  - Transistors
- Sensors
  - Accelerometers
  - Pressure, Temp. Comp
  - Smoke Detection

Future Designs, Inc.
- Development Tools and Kits
  - LCD Demo Kit
  - Programmer Kits

G

GC Electronics
- Fish Paper
- Tool, Nibbler

GE Sensing
- Fuses, PTC Resettable
- Inrush Current Limiters
- Sensors
- Thermistors
  - NTC
  - PTC

Gems Sensors
- Pressure Transducers
- Relays, Safety
- Sensors
  - Conductive Switches
  - Electromechanical Level Switches
  - Electro-Optic
  - Float Type Level Switch
    - Fabri-Level™ Kits
  - Flow
  - Flow Switches
  - Solid State Zener Barrier Switch

General Cable/Carol Brand
- Cable/Wire
  - Category 5e
  - Coaxial
  - Datacom
  - Instrumentation
  - Microphone
  - Multiconductor
  - Multi-Paired, Shielded
  - Plenum
  - Shielded
  - UTP High Speed Data/ LAN

General Semiconductor (see Vishay)

Grayhill
- Encoders
- I/O Modules
- Keypads
- Switches
  - DIP
  - Pushbutton
  - Rotary

H

Hamlin Electronics
- Magnets
- Relays, Reed
- Sensors
  - Hall Effect
- Switches, Magnetic Reed

Hammond Manufacturing
- Enclosures/Boxes
- Inductors/Chokes
- Racks and Accessories
- Transformers

Helicomm, Inc.
- RF Modules and Development Kits

Hirose Electric Co., Ltd.
- Cable Assemblies
  - Modular
  - U.FL
  - USB
- Connectors
  - 0.3mm
  - 0.4mm
  - 0.5mm
  - 0.6mm
  - 0.65mm
  - 0.8mm
  - 1mm
  - 1.25mm
  - 1.27mm
  - 2mm
    - Hard Metric
  - 2.5mm
  - 2.54mm
  - 3.96mm
  - 5mm
  - 7.92mm
  - Circular
    - Bayonet Lock
    - Microphone
    - Miniature
    - Push-Pull Lock
    - Screwlock
    - Video
  - Coaxial
  - DIMM Sockets
  - FFC/FPC
  - High Density
  - Interface
  - I/O
  - Memory Card
    - Compact Flash
    - PC Card
    - PCMCIA
    - Secure Digital
    - SIM Card
    - SmartMedia Card
  - Modular
  - Power
  - Power Supply
  - Rack and Panel
  - Rectangular, DIN
  - RF, Miniature
  - USB
  - Water Resistant
- Fiber Optic
  - Adapters
  - Attenuators
  - Connectors
  - Ferrules
  - Terminals
- Tools
  - Crimp
  - Insertion/Extraction

Hoei America, Inc.
- Adapters, RF
- Cable Assemblies, RF
- Solder

Honeywell Sensing and Control
- Hour Meters
- Sensors
  - Current
  - Hall Effect
  - Magnetoresistive
  - Optical
  - Oxygen
    - Interface Boards
  - Pressure
  - Switch
  - Temperature

- Vacuum
- SenSym ICT
  - Sensors, Pressure
  - Transducers, Pressure
- Switches
  - Keylock
  - Push/Pull

Honeywell SSEC
- Attenuators
- Evaluation Board
- RF Switches
- Sensors
  - Digital Compass Kits
  - Magnetic

Horn Industrial Co., Ltd.
- Microphones, Electret - Condenser

Humirel
- Sensors
  - Humidity
  - Temperature

Huntington Electric, Inc.
- Resistors
  - Audio
  - Capacitor Mount
  - Current Sensing Shunts
  - Lo-Ohm
  - Metal Case
  - Wirewound

I

ImageCraft Creations, Inc.
- C-Compiler
  - ARM
  - AVR
  - Freescale
  - TI MSP430

Industrial Fiber Optics
- Fiber Optic
  - Accessories
  - Bare Fiber
  - Cable
  - Connector
  - Emitters/Detectors
  - Kits
  - LEDs
  - Photo Detectors
  - Tools

Infineon Technologies
- Diodes
  - Schottky
  - Switching
  - Variable Capacitance
- Integrated Circuits/Semiconductors
  - Interface
  - Power Management
  - Sensors
  - Specialized
- Transistors
  - IGBTs
  - MOSFETs

Injectorall Electronics
- Prototyping Boards and Accessories
  - Breadboards
  - PCB Drill Bits

Intel
- Bridge Controllers
- Controllers (PCI/LAN/WAN/CAN)
- Demodulation and Coding Products
- Direct Digital Synthesis - Products
- Embedded Intel Architecture Microprocessors
- Ethernet Controllers
- Ethernet Repeaters
- Ethernet TX/RX
- Flash Memory
- i960 Microprocessors
- Interface Adapters/Cards
- I/O Processors
- MCS® 51 Microcontrollers
- MCS® 96 Microcontrollers
- MCS® 251 Microprocessors
- Modem Chipsets, Controllers,
- DSPs, AFEs
- Network Processors
- PCI-to-PCI Bridges
- Peripheral Interface Products
- Processor Modules
- Strong Arm® Processors
- Telecom Broadband
- Xscale™ Processors
  - Handheld Application
  - Network
  - Storage

International Rectifier
- Bridge Rectifiers
- Diodes/Rectifiers
  - HEXFETs
  - HexFred
  - Schottky Rectifiers
- Integrated Circuits
  - Control/Power Regulator/ Switch Controllers
  - Reference Design Kits
- Lighting Ballast
- Optoelectronics Relays
- Photovoltaic Isolators
- SCRs
- Transistors, IGBT

Intersil
- ICs/Semiconductors
  - Amplifiers
  - CPU Supervisors
  - Data Conversion
  - Drivers/Receivers
  - EEPROM, Parallel Interface
  - Potentiometers, Digital
  - Power Management
  - Real Time Clocks
  - Specialized ICs
  - Switches, Arrays
  - Timers
  - Video Communication
  - Voltage Reference
  - Voltage Regulators

I/O Interconnect
- Modular Cable Assemblies

ITT (C&K Switches)
- Encoders, Navigation
- Keypads
- Sensors, Magnetic
- Smart Card
- Switches
  - Accessories
    - Caps
  - Detector Switch
  - DIP
  - Door Interlocks
  - Keyswitch
  - Illuminated
  - Pushbutton
  - Rocker
  - Rotary
  - Slide
  - Snap Action
  - Tact
  - Thumbwheel
  - Toggle
- Switchlocks

ITW Chemtronics
- ESD Hand Lotion
- Heat Sink Grease

IXYS
- Diodes/Rectifiers
- FRED
- ICs/Semiconductors
- IGBT Transistors
- MOSFETs
- SCRs

J

Jennic, Ltd.
- Evaluation and Development Kits
- Wireless Microcontrollers
- Wireless Modules

Jewell Instruments
- Panel Meters
  - Analog
  - Digital

JKL Components Corporation
- LEDs
  - Blue
  - Caps

JRC (see NJR)

JST Sales America, Inc.
- Connectors
  - 0.5mm
  - 1.0mm
  - 1.25mm
  - 1.5mm
  - 2.0mm
  - 2.5mm
  - 3.96mm
  - Board-to-Board
  - Quick Connect Terminals
  - Water Resistant/Waterproof
- Terminals, Board-in Crimp Tool, Crimp

J.W. Miller - A Bourns Company
- Chokes
  - Common Mode
  - RF
- Ferrite Bead Cores
- Filters, EMI
- Inductors
  - Fixed
  - High Current
  - Power
  - Toroid
- Inverters, CCFL
- Transformers

K

KEMET
- Capacitors
  - Aluminum Organic
  - Ceramic
    - Axial
    - Radial
  - Multilayer Ceramic Chip
  - Tantalum
    - Axial
    - Radial

Kester
- Solder

Keystone Electronics Corp.
- Banana Plugs
- Connector Hardware
- Enclosures
- Handles
- Knobs, Instrumentation
- MICA Insulators
- Phono Jacks/Plugs
- Sockets, Transistor

Kilo International
- Dials, Concentric Scale
- Knobs, Aluminum

Kodak (see Eastman Kodak)

Knowles Acoustics
- Boom Assembly
- Microphones
  - Electret
  - Magnetic
- Sensors
  - Accelerometer
  - Vibration
- Speakers, Headset/Handset
- Transducers

L

Lamina Ceramics
- LED Arrays
- LED Plug and Play Evaluation Kit

LEM USA, Inc.
- Current Transducers
- Voltage Transducers

Linear Technology
- ICs/Semiconductors
  - Amplifiers
    - Comparators
    - Op Amps
  - Data Conversion
    - Current Output ADC
    - Delta-Sigma ADC
    - General Purpose ADC
    - High Speed ADC
    - Multiplexers
    - Special Function DAC
    - Voltage Output DAC
  - Filters
  - Interface
    - CAN
    - I²C and SMBus
    - Multiprotocol
    - RS232/RS562
    - RS485/RS422
  - Oscillators
  - Power Management
    - Battery Chargers
    - CCFL/LCD
    - Charge Pump
    - CPU Core Power
    - Hot Swap
    - MOSFET Drivers
    - PCMCIA
    - Power Controllers
    - Power Supply - Trackers
    - PWM (Pulse Width Modulator)
    - Regulators
    - SIM Interface
    - Supervisors
  - References
  - RF/High Frequency - Products
  - Specialized

Linx Technologies
- Connectors, RP-SMA
- RF/OEM Modules and Kits
- Tools, Crimp

Linx Technologies/ Antenna Factor
- Antennas

Lite-On, Inc.
- LEDs
  - 7-Segment Displays
  - Alphanumeric
  - Bar Graph Arrays
  - Dot Matrix Displays
  - Numeric Displays
  - Round, Large

Littelfuse
- ESD
- Fuse Holders
  - Panel Mount
  - PC Mount
- Fuses
  - 2AG
  - 3AB
  - Automotive
  - Kits
  - PTC Resettable
  - Telecom
- GDT Surge Arresters
- TVS
- Varistors
  - Metal Oxide
  - Multilayer

LMB Heeger
- Enclosures

Logic Product Development
- Microcontroller Development Kits

Logical Systems
- Programming/ Prototyping Adapters

Lumex Opto-Components, Inc.
- Laser Diodes
- LCDs
  - 7-Segment Display
  - Dot Matrix Display
  - Graphic Modules
  - TFT LCD Modules
- LEDs
  - 7-Segment Displays
  - AlInGaP
  - Array/Light Bars
  - Bi-Color
  - Blue
  - Cluster
  - Flashing
  - Infrared
  - InGaN
  - Low Battery Indicators
  - Mega-Brite
  - PC Mount
  - RGB (Red/Green/Blue)
  - Surface Mount
  - Violet
- Light Pipes
- Surge Arrestors
- Switches, Illuminated
  - Pushbutton
  - Rocker
  - Toggle

Luxo
- Illumination Lamps
- Worklights
  - Replacement Bulbs

M

Mallory Sonalert Products, Inc.
- Buzzers

Martel Electronics
- Panel Meters
  - Volt/Ammeter
  - Voltmeter

Matrix Orbital
- Character LCD Displays
- Graphic LCD Displays

Maxim Integrated Products
- ICs/Semiconductors

MaxStream, Inc.
- Ethernet Bridge
- Interface Boards
- RF/OEM Modules
- Wireless Development - Kits

MCC (Micro Commercial Components)
- Diodes
- MOSFETs
- Thyristors
- Transistors
- Voltage Regulators

Meder electronic
- Sensors
  - Level
  - Magnetic

Measurement Specialties, Inc.
- Accelerometers
- Sensors
  - Load Cells
  - Piezo
  - Pressure
  - Vibration
- Transducers, Pressure

Melexis
- Integrated Circuits, Specialized
- RF Transmitters/Receivers
- Sensors, Hall Effect Programmable

Metcal (Division of OK International)
- Solder/Desolder Systems
  - Accessories
  - Replacement Tips

MG Chemicals
- Copper Clad Boards
- Desolder Braid
- Etching Equipment
- Flux Pens
- Prototyping Accessories
- Swabs and Brushes

Micrel, Inc.
- ICs/Semiconductors
  - Display Drivers
  - Drivers, Latched
  - Fan Management
  - Hot Swap
  - Interface
  - MOSFETs/MOSFET Drivers
  - Op Amps
  - Power Switches
  - Regulators
  - RF Transmitters/Receivers
  - Switches
    - High Side
    - USB/General Purpose
  - System Supervisors
  - Timers
  - USB Transceivers
  - Voltage References
  - Voltage Regulators

Microchip Technology, Inc.
- Analog
  - Interface
    - CAN and LIN
    - Ethernet
    - Infrared
    - LCD Drivers
    - Serial Peripherals
  - Linear
    - Comparators
    - Op Amps
    - Programmable Gain - Amplifiers
  - Mixed Signal
    - A/D Converters
    - D/A Converters
    - Digital Potentiometers
    - Energy Measurement
    - F/V and V/F Converters
  - Power Management
    - Battery Management
    - DC-to-DC Converters
    - MOSFET Drivers
    - PWM Controllers
    - Supervisors
    - Voltage Detectors
    - Voltage Regulators
  - Thermal Management
    - Fan Controllers
    - Temperature Sensors
- Development System - Matrix
- Development Tools
  - Debuggers
  - Demo Kits
  - Device Adapters
  - Emulators
  - Processor Modules
  - Programmers
  - Socket Modules
  - Software
  - Transition Sockets
- Memory
  - Microwire
  - SPI
- Microcontrollers
  - Application Specific
    - CAN
    - Ethernet
    - LCD
    - Motor Control
    - RF
    - USB
  - dsPIC
    - dsPIC30
    - dsPIC33
  - PIC
    - PIC16
    - PIC18
    - PIC24

microEngineering Labs, Inc.
- Compiler, PicBasic

Micron Technology, Inc.
- CMOS Image Sensors
  - Evaluation Kits
- Memory ICs
  - DDR
  - SDRAM
- Memory Modules

Microsemi
- Diodes/Rectifiers
  - PIN
  - Schottky
  - Zener
- TVS

The following items are also available through Digi-Key. Go to *www.digikey.com* and do a keyword search to find the products you want.

Microsemi-IPG
ICs/Semiconductors
CCFL Modules/Controllers
EMI/ESD Protection
Interface
Light Applications
Rectifier Modules
Voltage Regulators

Mill-Max
Connectors
Spring-Loaded Contacts
USB (Universal Serial Bus)
Headers, Pin
IC Sockets
Pin
PLCC
Strip
Transistor
USB Receptacles
Zig-Zag
Jumpers
PC Pins/Receptacles
Shunts

Modern Technology
Stepper Motor Driver Board

Modutec (see Jewell Instruments)

Molex
Adapters, Memory Card
Cable Assemblies
DVI
Serial ATA
Connectors
0.050"
0.100"
0.156"
0.5mm
1.25mm
Beau
Barrier Blocks
Terminal Blocks
Blind Mate (BMI)
C-Grid® III
Crimp Terminals
Disk Drive
ETC
Crimp Terminals
FFC/FPC
GBIC
HDMI
HSSDC2
Infiniband™
I/O
iPass™
Memory
Compact Flash
DDR DIMM
DIMM
Secure Digital
SIMM
SO DIMM
TransFlash
MicroCross™ DVI
Mini-Fit BMI™
Mini-Fit HCS™
Mini-Fit SMC™
Mini-Fit Sr.™
Modular
MX150L
PanelMate
PCI Express
Power
Power Edge™
Sabre™
SCSI
See and Splice™
Serial ATA
SFP (Small Frame - Pluggable)
Switch
VHDCI
Waterproof
XFP
Flat Cable Jumpers
Headers
C-Grid
Tools
Crimp
Insertion/Extraction
Transistor Sockets

MPD (Memory Protection Devices)
Automotive Power Plug/Socket
Battery Holders
Cigarette Lighter Plug

M-Systems, Inc.
Evaluation Boards and Adapters
Memory Cards
DiskOnChip Flash Disks

Multi-Tech Systems, Inc.
Socket Modems

Murata Electronics
Capacitors
Ceramic, Trimmer
High Voltage
Monolithic Ceramic Chip
Multilayer Ceramic Chip
Safety
Tuning Tools
Chokes
Coils/Inductors
Wirewound
EMI Suppression
Ferrite Chips
Filter Capacitor Type
LC Combined Chip
Potentiometers
Thermistors
Inrush Current Limiters

N

Nakagawa Manufacturing
Paper, Thermal Printer

National Semiconductor
ICs/Semiconductors
A/D, D/A Converters
Audio Amp
Battery Charge Controller
Data Communications
DC-DC Converters
Interface
Linear
Microprocessor Reset - Circuits
MOSFET Driver/Controllers
Op Amps
PLL/Frequency Synthesizers
Switching Regulators
Telecommunication
Voltage Regulators

NDK
Crystals
Oscillators
TCXO

NEC
Optoisolators
High Speed Digital
Photo Transistor Output
Relays, Solid State
RF and Microwave Products
Amplifiers, Wideband
Frequency Down/Up Converters
Prescalers
Switches
Transistors

Needhams Electronics
Programmers
RF Modules

NessCap
Pseudocapacitor
Ultracapacitor

NetBurner, Inc.
Development Kits
Microprocessor Modules

Newava Technology, Inc.
Inductors
Transformers

Nichicon
Capacitors
Aluminum Electrolytic

NJR Corporation
Integrated Circuits
Drivers
Multiplexers
Op Amps
Power Management
Specialized
Stepper Motor Controller/Driver
Switches
Voltage Regulators

NKK Switches
Switches
Accessories
Splashproof Boots
Illuminated
Keylock
Pushbutton
Rocker
Sealed
Slide
Tact
Tilt
Toggle

NMB-MAT (see Panasonic/Fans)

NorComp
Backshells, D-Sub
Connectors
2mm
Centronics
DIN Rectangular
D-Sub
Hardware
IDC
Parallel Interface
Shunts
Tools
Crimp
Insertion/Extraction

Noritake
Displays, Vacuum Fluorescent

NVE Corporation
GMR Sensor Evaluation Kit
Isolators, Digital and Analog
Sensors
Magnetic
Voltage Regulators

NXP Semiconductor (see Philips/NXP)

O

Ohmite
Resistors
Ceramic Composition
Current Sensing
Shunt
Heat Sink Mountable
Metal Element
Metal Oxide Film
Power
Surge Capable
Thick Film
Wire Element
Wirewound

OK Industries (Div. of Jonard Ind. Corp.)
Socket-Wrap I.D.
Tools
Insertion/Extraction IC

Omron Electronics, Inc.
Buzzers
Connectors, FFC/FPC
Controllers, Temperature
Counters/Timers
Fiber Optic
Amplifiers
Cable
Switches
Magnetic Card Readers
Photo Microsensor
Power Supplies
Relays
Mechanical
Solid State
Sensors
Capacitive Proximity
Fiber Optic
Flow
Inductive Proximity
Optical
Photoelectric
Pressure
Tilt
Vibration
Switches
Accessories
Door
Emergency Stop
Illuminated
Key Switch
Knob Switch
Lever/Snap
Limit
Pilot Lights
Pushbutton
Rocker DIP
Selector
Tact
Thumbwheel

ON Semiconductor
Diodes/Rectifiers
Schottky
Switching
Zener
Integrated Circuits
Analog Switches
Buffers
Clock Peripherals
Comparators
Counters/Timers
DC-DC Converters
Digital Logic
EMI Filters
Hot Swap
Interface
LED Drivers
MPU Reset Circuits
Multiplexers
Op Amps
PWM (Pulse Width Modulator)
Receivers
Switching Regulators
Voltage Detectors
Voltage References
Voltage Regulators
MOSFETs
SCRs
Transistors
Triacs
TVS

On-Shore Technology
IC Sockets
Pin Headers
Terminal Blocks

Optichron, Inc.
ICs, A/D Converters

Optrex America, Inc.
Character LCD Modules
Graphic LCD Modules
TFT LCD Modules
TFT ToolKITS™

Osram Opto Semiconductors, Inc.
LEDs
OLED Displays
Optoelectronics
Infrared Emitters
Photo Detectors
Photo Diodes
Photo Transistors

P

Paladin Tools
Cable Testers
Connectors
Tools
Cable/Wire Strippers
Coaxial Cable Strippers
Crimp
Modular Cable Strippers
Modular Crimp
Multi-purpose
Probe Pick
Punchdown

Panasonic
Audio Amps
Balun
Batteries
Rechargeable
Buzzers
Capacitors
Aluminum Electrolytic
Arrays
Bi-Polar
Ceramic
Ceramic Safety
Computer Grade
Electric Double Layer
Film
Gold
Kits
Networks
Polyester
Polypropylene
Snap-In
Specialty Polymer
Tantalum
Coils, Choke
Coils, Voltage Step-Up
Couplers
DC-DC Converters
DC-DC Power Modules
Diodes
Schottky
Varistor
Zener
Encoders
Mechanical
Rotary
Fans/Blowers
Ferrites
Flat Core
Ring Core
Snap-On Core
Filters
Digital Noise
EMI
Line
SAW
Fuses
Graphite Sheets
Inductors
ICs/Semiconductors
MMIC Switches
LEDs
Blue
Surface Mount
Wide Angle
Magnetic Card Readers
Memory Cards
Microcontrollers, Flash
Microphone, Cartridges/Holders
MOSFETs
Optoelectronics
Infrared LED
Lenses, Spherical
Optoisolators
Photo Diodes
Photo Interrupter
Photo Sensors
Photo Transistors
Potentiometers
Audio
Carbon
Ceramic
Cermet
Kits
Position Sensor
Rotary
Slide
Thumbwheel
Trimmer
Power Dividers
Resistor/Capacitor Networks
Resistors
Anti-Sulfurated Arrays
Wide Terminal
Resonators
Ceramic
SAW
RF/Hybrid
Balun
Directional Coupler
Power Dividers
Semiconductors (see ICs/Semiconductors)
Sensors, Hall Effect
Speakers
Micro
Mini
Surge Absorbers
Switches
Detector
Power
Pushbutton
Slide
Thermal Cutoffs
Thermistors
Transducers
Audio
Ultrasonic Ceramic
Transformers, Piezoelectric
Transistors
Varistors
Multilayer Chip
Voltage Detectors
Voltage Regulators
ZigBee™ Communication - Modules
ZNRs

Panasonic Electric Works
Counters/Timers
Relays
Mechanical
Solid State
Sensors
Light
Motion

Panduit
Cable Clamps
Heat Shrink
Labels
Heat Shrink
Thermal Transfer
Wire Marker
Lockouts
Printers, Wire Marker
Raceway
Terminals, Splice
Tools
Wire Ducts and Accessories
Wire Ties

Parallax, Inc.
BASIC Stamp
Accessories
Books
Carrier Boards
Kits
Modules
"Board of Education" Kit
BASIC Stamp
Ubicom 5X Series

Parlex Corporation
Flat Flex Cable
0.050" (1.27mm)
0.100" (2.54mm)
Assemblies, DF9

Pericom Semiconductor Corp.
ICs/Semiconductors
Analog Switches
Bus Switches
Clock Peripherals
Digital Logic
74ALVCH
74ALVTC
74AVC
74FCT
74LPT
74VCX
SOTiny™
LVDS Data Transmission
Video Switches

Philips/NXP Semiconductor
Development Tools and Kits
Evaluation Boards/Kits
Reader Modules
Diacs
Diodes/Rectifiers
PIN (RF)
Schottky
Variable
ICs/Semiconductors
Amplifiers
Clock Management
Data Communication
Data Conversion
Data Transmission
Digital Logic
4000
74ABT
74AHC
74ALV
74AUP
74F
74HC/HCT/HCU
74LV/LVC
I/O Expanders
Logic Translation

- Memory
- Memory Interface
- Power Control/Management
- RF ICs
- Timers
- MOSFETs
- Thyristors
- Transistors
- Triacs

Phoenix Contact
- Connectors
  - D-Sub, Industrial
  - Modular Jacks, Industrial
- Filter Surge Protection
- Power Supplies
- Terminal Blocks
  - Accessories
  - DIN Rail

Phoenix Passive Components
- Resistors
  - Metal Film
  - Wirewound

Pomona Electronics
- RF Adapter Kits
- Test Equipment
  - Accessories
  - Banana Plugs/Jacks
  - Probes
  - Test Boxes
  - Test Leads

Pontiac Coil, Inc.
- Solenoids

Portescap Danaher Motion (Specialty Motors)
- Stepper Motors

Potter & Brumfield/Tyco
(see Tyco Electronics/P&B)

Power Integrations
- Integrated Power Switching Controller
  - Design Kits

Power-One
- DC-DC Converters
  - Programmable
- Power Supplies
  - Linear
  - Switching

PowerStor (Div. of Cooper Bussmann)
- Aerogel Supercapacitors
  - Kits

Power Trends (see Texas Instruments/Plug-In Power Solutions)

PRD Plastics
- Bezels

Pulse
- Antennas
- Common Mode Chokes
- Excelsus® DSL (CPE) - Filters
- Inductors
  - Chip
  - Drum Core
  - Power
  - Toroidal
    - High Frequency
- Modular Jacks, Filtered
- Transformers
  - Balun
  - Encapsulated
  - LAN Discrete Modules
  - Power
  - Telecommunication

Q

Quadravox, Inc.
- Programmer, Voice - Record/Playback
- Programming Adapters
- Prototyping Tools
- Sound Modules

Quatech/DPAC Technologies
- Development Kits
- OEM Modules

Qualtek
- Heat Shrink Tubing

Quarton, Inc.
- Laser Diode Modules
- Laser Line Generator

R

Rabbit Semiconductor
- Development Kits and Tools
  - Reference Books
  - Software
  - TCP/IP
- Microprocessors

Raychem Cable Protection/Tyco
(see Tyco Electronics/Raychem Cable Protection)

Raychem Circuit Protection/Tyco
(see Tyco Electronics/Raychem Circuit Protection)

Red Lion Controls
- Counters/Timers
- Panel Meters

Renesas Technology America
- Diodes, Schottky
- FETS
  - Application Specific
    - CAN
    - Ethernet
    - LCD
    - USB
- SCRs

RF Solutions
- PIC Emulators
  - Adapters
  - Daughter Boards
- RF Transmitters/Receivers

Richco, Inc.
- Bushing Insulators, Nylon
- Bushings, Strain Relief
- Cable Clamps
- Cable Ties
  - Cable Tie Gun
- Ties
  - Beaded
  - Cable
  - Hanking
  - Wire
  - Wire Saddle

ROHM
- Capacitors
  - Ceramic Chip
  - Tantalum
- Diodes
  - Schottky
  - Switching
  - Zener
- Integrated Circuits
  - AC-DC Converters
  - Comparators
  - DC-DC Converters
  - Op Amps
  - Voltage Regulators
- LEDs
- Memory ICs, Serial EEPROM
- MOSFETs
- Sensors, Optical
- Transistors
- TVS, ESD

Roman-Jones, Inc.
- SPROM Programmers

S

Samtec, Inc.
- Cable Assemblies
  - IDC
  - Termination Jumpers
- Connectors
  - Board-to-Board
  - Headers
    - 0.025" (0.635mm)
    - 0.031" (0.800mm)
    - 0.050" (1.27mm)
    - 0.078" (2mm)
    - 0.156" (3.96mm)
    - Female
    - Protected
  - Power
  - Sockets
    - 0.031" (0.800mm)
    - 1mm Card Edge

Schaevitz Sensors
(Division of Measurement Specialties, Inc.)
- Boards, LVDT
- Clinometers
- Protractors, Digital
- Transducers
  - Pressure
  - Rotary Variable Inductance (RVIT)

Schurter Inc.
- Power Entry Connectors
- Power Entry Module
- Switches

Semtech
- ICs/Semiconductors
  - Battery Chargers
  - Charge Pumps
  - ESD/EMI Protection
  - Hot Swap Controllers
  - References
  - Specialized
  - Surge Protection
  - Switching Regulators
  - Voltage Regulators
- RF Products
  - A/D Converters
  - Codec
  - Development Tools
  - GPS Modules
  - RF Modules
  - Transceivers

Sensory, Inc.
- Voice Recognition Development Kit

Senstronics, Ltd.
- Sensors, Pressure

SenSym ICT (see Honeywell Sensing)

Serpac Electronic Enclosures
- Enclosures
  - Plastic
  - Plastic E.M.I.
  - Watertight/Airtight

Sharp Microelectronics
- Cable Wire
- Fiber Optic
  - Cable
  - Receivers
  - Transmitters
- ICs/Semiconductors
  - Chopper Regulators
  - LDO Voltage Regulators
  - Memory
  - TFT Displays, Small
- Laser Diodes
- LCD Displays, TFT
- LEDs
- Microcontrollers
- Optoelectronics
  - Photocouplers
  - Photointerrupters
- Relays, Solid State

Signal Transformer
- Chassis Mount
- International
- PC Mount
- Power

Silicon Laboratories, Inc.
- Development Kits
  - ISOmodem®
  - ZigBee™
- Microcontrollers, C8051
- Prototyping Boards
- RF Synthesizers
- Transceivers
- USB to UART Bridge

Sirenza Microdevices, Inc.
- Amplifiers
- VCOs

SL Power Electronics
- Power Supplies
  - Accessories
  - Connector Kits
  - DC/DC Converters
  - High Power
  - Linear
  - Medical Grade
  - Rack Mount
  - Switching

SMC
- Sensors/Controllers
  - Flow Switch
  - Pressure

SMSC
- Interface Controllers

Soberton
- Audio Transducers

SofTec Microsystems SRL
- Development Tools
- Evaluation Kits
- Programming Adapters
- Software Libraries

Sprague-Goodman
- Capacitors, Trimmer
- Tuning Tools

SRC Devices
- Relays, Reed
- Sensors, Liquid Level
- Switches, Magnetic Reed

Stanley Electric Sales of America
- LEDs
  - 7-Segment Displays
  - Alphanumeric
  - Light Bars

Steward
- CAN BUS Chokes
- Coils/Inductors
  - Common Mode Choke
  - Common Mode Choke - Arrays
  - High Current
  - Monolithic
  - Power Inductor
- EMI Suppression
  - Filters
- Ferrites
  - Bead Cores
  - Broad Band Cores
  - Chip Arrays
  - Chip Beads
  - Clamp-On
  - Cylinder
  - EMI Discs and Plates
  - Low Frequency Cores
  - Ribbon Cable
  - Split Core
- Kits
  - Chokes
  - EMI Components
  - Ferrite Cable Cores

Stewart Connector Systems
- CAT5e and CAT6 - Jumpers
- Connectors, Modular
- Crimp Tool

STMicroelectronics
- Alternistors
- Diacs
- Development Tools and Kits
  - Evaluation Boards
  - Programmers
  - Reference Design Board
- Diodes
- Integrated Circuits
  - Audio Amps
  - Clock Driver
  - Comparators
  - DC-DC Converters
  - Digital Logic
    - 74AC/ACT
    - 74ALV
    - 74HC/HCT/HCU
    - 74L
    - 74V
    - HCF
  - Interface
  - Op Amps
  - Power Management
  - PWM (Pulse Width - Modulator)
  - Reset Supervisors
  - Switching Regulators
  - Temperature Sensors
  - Timers
  - Transceivers/Receivers
  - Voltage Detectors
  - Voltage References
  - Voltage Regulators
  - Voltage Reset
- Memory Cards
- Memory ICs
  - Flash
  - NVRAM
  - SRAM
- Microcontrollers
- MOSFETs
- RFID Evaluation Kits
- SCRs
- Transistors
- Triacs
- TVS

Storm Interface
- Encoder
- Keyboards
- Keypads
- Trackball

Sullins Electronics Corp.
- Connectors
  - 1mm
  - 2mm
  - CompactPCI®
  - Edgeboard
  - Hard Metric
  - Shorting Jumpers
- Headers
  - 2mm
  - Female, 0.100" - (2.54mm)
  - Male, 0.100" (2.54mm)
- Shunts

Sumida Corporation
- Chokes, Common Mode
- Inductors, Power

Sunbrite
- LEDs
  - Based
  - Incandescent Replacement
  - LuxLEDs™

Sunon
- Blowers
- Fans
- Chip Cooler

Susumu Co., Ltd.
- Attenuators
- Capacitors, Thin Film Chip
- Choke Coils
- Delay Lines
- Inductors, Thin Film
- Power Dividers
- Resistors
  - Metal Film
    - Kits
  - Thin Film Chip
    - Kits

Switchcraft, Inc.
- Connectors
  - Audio
  - Phone Jacks/Plugs
  - Weathertight

Switchcraft, Inc./Conxall
(see Conxall/Switchcraft, Inc.)

T

Taiyo Yuden
- Bluetooth™ Modules
- Capacitors
  - Arrays
  - Multilayer Chip
- Inductors
  - Multilayer Chip
  - Wound Chip
- Varistors

Tamura
- Connectors, Modular Jack
- Inductors
  - Common Mode Choke
  - Power
- Sensors, Current
- Transformers
  - Current Sense
  - Encapsulated
  - Modem/Telecom
  - Power
  - Telephone Coupling
  - Wall Mount

TDK Corporation
- Capacitors
  - Ceramic Disc
  - Multilayer Ceramic - Arrays
  - Multilayer Ceramic Chip
- DC-DC Converters
  - Dual Output
  - Single Output
- Ferrites
  - Bead Cores
  - Chip
  - Flexible Ferrite Material
- Filters
  - Line
- Inductors/Coils
  - Chip, Shielded
  - Common Mode Choke
  - Power
- Inverters, CCFL
- Optoelectronics
  - Photo Diodes
  - Photo IC
- Resonators, Ceramic
- Sensors, Humidity
- Thermistors
- Transducers, Audio
- Transformers
  - Balun
  - Configurable
- Varistors

Teccor Electronics
- Alternistors
- Diacs
  - Bilateral Trigger
- Fuses, Telecommunication
- Quadracs
- Rectifiers
- SCRs
- Sidacs
- Sidactors
- Thyristors
- Triacs

TechTools
- Emulator, ClearView
- Emulator, EPROM/PIC
- Logic Analyzer
- Programmer, PIC
- QuickWriter

Telcom Semiconductor, Inc.
(see Microchip Technology)

Texas Instruments
- Amplifiers
- Audio Volume Control
- BUS Solutions
  - Clock Drivers
  - IEEE1394
  - PCI
  - PECL
- CCD
- Comparators
  - Low Power
  - Low Voltage
- Data Communications
  - Audio Codec
  - Central Office Codec
  - IrDA
  - Ring Controllers
- Data Conversion
  - A/D Converters
    - Audio
    - DSP-Compatible
  - D/A Converters
    - Audio
  - Voltage-to-Current - Converter
  - Voltage-to-Frequency - Converters
- Data Transmission
  - 4-20mA Transmitters/Receivers

The following items are also available through Digi-Key. Go to www.digikey.com and do a keyword search to find the products you want.

- ADSL Drivers
- LVDS
- LVDT
- LVP
- MVLD
- RS232
- SCSI
- Switches

Development Tools and Kits
- Demo Board
- Emulators
- Evaluation Kits
- Programmers

Digital Audio Interface

Digital Logic
- 4000 Family
- ABT/ABTE/ABTH/ABTR
- AC/ACT
- AHC/AHCT/AHCU
- ALVC/ALVCH
- ALVTH
- AS
- AUC/AUCH/AUCU
- AUP
- AVC
- BCT
- Bus Switch
- F
- FB (Future Bus)
- FCT
- GTL/GTLP/GTLPH
- HC/HCT/HCU
- LV/LVC
- LVT/LVTH/LVTZ
- LVU
- MLVD
- S
- SST
- TTL
- VMEH

Digital Radio

Digital Signal Processors

FIFO Memory

Linear Peripheral Drivers

Microcontrollers

Multiplexers, Analog

Optical Sensors

Power Control/Management Products
- CCFL Drivers
- Hot Plug
- Hot-Swap

Power Supply Products
- Battery Management
- Buck Regulators
- DC-DC Converters
- Isolators
- MOSFET/MOSFET Drivers
- Power Distribution - Switches
- PWM Controllers
- Supervisory Circuit - Drivers
- Voltage References
- Voltage Regulators

Precision Ground Reference

Programmable Gate - Arrays

Real Time Clocks

RF Products
- Transceivers/Transmitters

Texas Instruments/Plug-In Power Solutions
- Integrated Circuits
  - DC-DC Converters
  - Switching Regulators

TI-RFid Systems
- Antennas
- RFid
  - Evaluation Kits
  - Modules
  - Readers
  - Transponders

Toko
- Coils
  - Variable
- Diodes
- Filters
  - Ceramic
  - Chip
  - Common Mode
  - Dielectric
  - Helical
- Inductors
  - Chip
  - Fixed
- Integrated Circuits
  - DC-DC Converters
  - Op Amp
  - Video Line Driver
  - Voltage Regulator
- Power Supplies, Switching
- Resonators, Ceramic
- Transformers, Balun

Toshiba
- Diodes, Zener
- Development Tools
  - Evaluation and Starter - Kits
  - RF
- Fiber Optic
  - Transmitting/Receiving Modules
- Integrated Circuits
  - Logic
- Memory ICs
  - Floppy Disk Cards
- Microcontrollers, Flash
- MOSFETs
- Optoisolators
- Photovoltaic Coupler
- Rectifiers
  - Schottky
  - Switching
- Relays, Solid State
- RF Transceivers/Receivers
- Transistors

TPI (Test Products International)
- BNC Cables
- Coax Adapter Connector Kit
- Detectors
  - CO
  - Combustible Gas Leak
  - Refrigeration Leak
- DVI/HDMI Cables
- F (Television) Cables
- Manometers, Digital
- Multimeters
- Oscilloscopes
  - Probes
  - Software
- Test Clips
- Test Leads
- Thermocouple Probes
- Thermometers/Temperature Testers

TransERA Electronics (see Pulse)

Triad Magnetics
- AC/DC Power Supplies
- Inductors
  - Common Mode
  - High Frequency
  - Rod Core
  - Switchmode
  - Toroidal
- Transformers
  - Audio
  - Control
  - Current Sense
  - Power
  - Switchmode

Tripp Lite
- Battery Packs
- Computer, KVM Switches
- Hospital Grade Products
- Isolation Transformers
- Line Conditioners
- Power Inverters
- Power Strips
- Power Supplies, DC Regulated
- Surge Suppressors
- UPS Systems

TT Electronics/Optek Technology
- LEDs
  - Arrays
  - High Brightness
  - InGaN
  - RGB (Red/Green/Blue)
  - Surface Mount
- Photodiodes
- Sensors
  - Fluid
  - Hall Effect
  - Optical

Twin Industries
- Extender Cards
- Prototyping Boards
- SMT Adapter Boards
- Solderless Breadboards

Tyco Electronics/Alcoswitch
- Switches
  - Accessories
  - DIP
  - Keylock
  - Microswitch
  - Pushbutton
  - Rocker
  - Rotary
  - Snap-Action
  - Tact
  - Toggle

Tyco Electronics/AMP
- Adapters
  - Modular
  - RF
- Cable
  - Fiber Optic
  - Flat Flex
- Cable Assemblies
- Connectors/Contacts
  - 0.050" (1.27mm)
  - 0.100" (2.54mm)
  - 1mm
  - 4.2mm
  - Backshells, D-Sub
  - Card Edge
  - Champ®
  - Circular
    - Accessories
    - Audio/Instrument
    - MIL-C-5015
  - Crimp Terminals
  - D-Sub
  - Dynamic
  - Eurocard
  - Fastons
  - Fiber Optic
  - Hardware
    - Ferrules
  - Hoods, D-Sub
  - IDC Discrete
    - Socket
  - Industrial Ethernet
  - Interconnect Systems
  - LAN
  - Mate-N-Lok®
  - Memory Card
  - Metrimate
  - Mictor
  - Miniature Rectangle - (MR)
  - Modular
  - M-Series
  - MTA (.100" and .156")
  - MTE (.100")
  - Parallel Interface
  - Power
  - Rectangular DIN
  - Retention Modules
  - RF
    - Accessories
    - Adapters
    - BNC
    - Board-to-Board
    - Coax
    - Decoupled
    - MMCX
    - N Type
    - SHV
    - SMA/SMB
    - TNC
    - Tools, Crimp
    - UHF
  - RITS
  - SCSI
  - Softshell (.062" and .093")
  - Switch
  - Twin Beam
  - USB
  - Z-pack, 2mm
- Fiber Optic
  - Adapters
  - Attenuators
  - Cable Assemblies
  - Connectors
  - Switches
  - Tools
- Headers
  - Protected
- IC Sockets
  - Miniature Spring
  - PLCC
- Labels, Terminal Blocks
- Shunts
- Terminals - Splices
- Tools
  - Crimp
  - Fiber Optic
  - Insertion/Extraction
  - Modular Crimp
  - PLCC Extractors

Tyco Electronics/CoEv Magnetics
- Inductors, Drum Core

Tyco Electronics/Corcom
- Modular Jacks, Filtered
- Power Entry Modules
- RF Line Filters

Tyco Electronics/P&B
- Circuit Breakers
- Relays
  - I/O Modules
  - Mechanical
  - Safety
  - Sockets and Accessories
  - Solid State
  - Timer Delay

Tyco Electronics/Power Systems
- Converters DC-DC
  - Dual Output
  - Single Output
  - Triple Output
- DC Filter Module

Tyco Electronics/Raychem Cable Protection
- Heat Shrink
  - Kits
  - Terminals and Splices
  - Tubing

Tyco Electronics/Raychem Circuit Protection
- Fuses, SMD
- MOVs
- Power Distribution - Switches
- Resettable Devices
- Surge Protectors, SiBar - Thyristor
- Varistors, Metal Oxide

U

United Chemi-Con
- Capacitors, Aluminum - Electrolytic

U.S. - Lasers, Inc.
- Laser Diode Module
  - Adjustable Focus
  - Housing Kit
  - Infrared Red
  - Power Supply
  - Visible Red

US Relays & Technology, Inc.
- Reed Relays

U.S. Sensor
- Thermistors
  - NTC
  - RTDs

V

Varitronix
- 7-Segment LCD Displays
- Character LCD Modules

Vector Electronics & Technology, Inc.
- Backplanes
- Card Extenders
- Card Racks
- Connectors, Edgeboard
- PC Board Prototyping Accessories

V-Infinity (Division of CUI, Inc.)
- AC-DC Converters
- DC-DC Converters

Vishay BCcomponents
- Capacitors
  - Aluminum Electrolytic Axial
  - Metallized Polyester
  - Metallized Polypropylene
  - Multilayer Ceramic - Chip
  - Trimmer
- Potentiometers, Trimmer
- Resistors, Thin Film - Chip
- Sensors, Humidity
- Thermistors
- Varistors

Dale/Vishay
- Resistors
  - Metal Film
  - Wirewound

General Semiconductor
- Diodes/Rectifiers
  - Bridge
  - Schottky
- TVS

Volgen (Division of Kaga Electronics USA)
- Power Supplies
  - Switching
  - Universal Input

VTI Technologies
- Sensors
  - Accelerometers
  - Inclinometers

W

Waka/Hoei America
- Cable Assemblies

Waldom/Cinch (see Cinch Connectors)

Waldom/Molex (see Molex)

Weidmuller
- DC-DC Converters
- Power Supplies
- Terminal Blocks

Wickmann
- Fuse Holders
  - Panel Mount
  - PC Mount
  - Surface Mount
- Fuses
  - Axial
  - Kits
  - Metric
  - Picofuse
  - Surface Mount
  - Telecom

Wiha
- Hand Tools
  - Bit Holders
  - Bits and Bit Sets
  - Chip Lifter
  - Cutters
  - Driver Sets
  - Field Service Kits
  - Hammers
  - Inspection Mirrors
  - L-Keys
  - Pliers
  - Probes
  - Screwdrivers
  - Security Bits
  - Socket Sets
  - T-Handle
  - Tweezers
  - Wire Stripper

Winbond Electronics Corp. America
- Integrated Circuits
  - Codec
  - I/O Controllers
  - Potentiometers, Digital
  - Text-to-Speech
  - Voice Record/Playback ICs

Wintec Industries
- Memory Cards, Compact Flash
- Memory Modules

World Magnetics
- Sensors, Pressure Switches

X

Xeltek
- EPROM Eraser
- Programmers, Universal
- Socket Adapters

Xicor (see Intersil)

Xilinx
- CPLDs
- Development and Starter Kits
- FPGAs
- Programming cable
- Serial PROMs

Y

Yageo
- Capacitors, Multilayer Ceramic
- Resistors
  - Arrays
  - Kits
  - Thick Film
  - Thin Film

Z

Zetex
- Brushless Fan Motor - Controllers
- Diodes
- Hyperabrupt Varactor - Diodes
- ICs/Semiconductors
  - Current Mirror/Monitors
  - DC-DC Converters
  - Specialized Timer
  - Variable Q Filter
- MOSFET/MOSFET Drivers
- RF Amplifiers
- Transistors
  - "H" Bridge
- Voltage Reference
- Voltage Regulators
- Voltage Supply Monitors

ZiLOG
- Controllers
  - Peripheral
  - Serial Communication
- Counters/Timers
- Development Tools
  - Accessory Kits
  - Adapters
  - Development Kits
  - Emulators
  - IR
  - Modules
  - Programmers
- Microcontrollers/Microprocessors
  - Application Specific
    - Ethernet
    - Motor Control
    - Remote Control
  - Crimzon™
  - eZ80 Acclaim!™
  - Z8 Encore!®
  - Z8 Encore!® MC
  - Z8 Encore! XP®
  - Z8 GP™

Z-World (see Rabbit Semiconductor)

MAIL/FAX ORDER FORM

#P071

701 Brooks Ave. South
PO Box 677
Thief River Falls, MN 56701-0677

	No. of Pages:
To:	From:
Co.: *Digi-Key Corporation*	Co.:
Dept.: *Order Department*	Phone No:
Fax No: *218-681-3380*	Fax No:

(Please Check One)

❑ Personal Order ❑ Company Order (Please Check One)

Payment Method: ❑ Credit Card ❑ COD ❑ Check or MO ❑ Open Acct.

Card Number: ☐☐☐☐-☐☐☐☐-☐☐☐☐-☐☐☐☐

❑MC ❑VISA
❑AmEx ❑Discover

Expiration Date ☐☐☐☐ (Mo. Yr.)

Security Code (See back of card.) ☐☐☐☐

Credit Card Holder's Name (Please Print Clearly)

Ship to:

Customer Number _____

Customer Name _____

Company Name _____ Phone ( ) _____

Shipping Address _____ Apartment/Suite _____

City _____ State _____ Zip _____

Bill to:

P.O. No. _____ Account No. _____

Company Name _____ Phone ( ) _____

Billing Address _____ Apartment/Suite _____

City _____ State _____ Zip _____

	Quantity	Digi-Key Part No.	Description (brief)	Price/Unit	Total Price
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Ship Via: _____

Are substitutions acceptable?
❑ Yes ❑ No

Are backorders acceptable?
❑ Yes ❑ No

Backordered for a period of _____ days.

Backorder shipping method: _____

Confirmation required?
❑ Yes ❑ No

Confirm VIA: ❑ Phone ❑ FAX

HANDLING CHARGES

$0.00 - $24.99 ..... Add $5.00
$25.00 and Up ..... No Charge
International Orders ..... Additional $6.00

We pay all shipping (our choice of method) and insurance to addresses in the USA and Canada when check or money order accompanies order. See "Ordering Information/Shipping Charges" for details on heavy/oversize items.

1. Total of all items ..... $ _____
2. Orders less than $25.00 add $5.00 handling charge ... $ _____
3. Sub Total ..... $ _____
4. Please remit any applicable taxes ..... $ _____
5. International orders (excluding Canada) add $6.00 ..... $ _____
6. Total enclosed ..... $ _____
   (Total of all lines) (US Dollars)

Digi-Key Terms and Conditions

General Conditions of Order:

Do Not Use Products Sold by Digi-Key as Critical Components in Life Support Devices or Systems:

Products sold by Digi-Key are not authorized for use as critical components in life support devices or systems. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness. Any attempt to purchase any Digi-Key product for that purpose is null and void and Digi-Key accepts no liability whatsoever in contract, tort or otherwise whether or not resulting from our or our employees' negligence or failure to detect an improper purchase.

All orders, regardless of how they are placed, submitted through a Digi-Key Web site or through its printed catalog, are specifically subject to all the terms and conditions contained herein. No change, alteration, deletion or modification of any of these terms and conditions is permitted. No person is authorized to accept, confirm or vary these terms and conditions including all representations and warranties unless they have been posted on Digi-Key's Web site or in this catalogue. All terms are specifically and exclusively subject to interpretation under the *US Uniform Commercial Code* and all claims or disputes shall be interpreted according to Minnesota law and subject to jurisdiction in Minnesota state or federal courts at the exclusion of any other choice of law or choice of jurisdiction, including the *UN Convention on the International Sale of Goods (CISG)*.

Orders placed on forms deviating from these terms and conditions will be accepted on the basis that Digi-Key Terms and Conditions will prevail.

Technical Assistance and Design Support Services — Disclaimer of Warranties; Release of Claims:

Digi-Key offers its Technical Assistance and Design Support Services as a convenience to Digi-Key customers. Digi-Key Technical Assistance and Design Support Services personnel strive to provide useful information regarding Digi-Key products. DIGI-KEY DOES NOT GUARANTEE THAT ANY INFORMATION OR RECOMMENDATION PROVIDED IS ACCURATE, COMPLETE, OR CORRECT, AND DIGI-KEY SHALL HAVE NO RESPONSIBILITY OR LIABILITY WHATSOEVER IN CONNECTION WITH ANY INFORMATION OR RECOMMENDATION PROVIDED, OR THE CUSTOMER'S RELIANCE ON SUCH INFORMATION OR RECOMMENDATION. THE CUSTOMER IS SOLELY RESPONSIBLE FOR ANALYZING AND DETERMINING THE APPROPRIATENESS OF ANY INFORMATION OR RECOMMENDATION PROVIDED BY DIGI-KEY TECHNICAL ASSISTANCE AND DESIGN SUPPORT SERVICES PERSONNEL, AND ANY RELIANCE ON SUCH INFORMATION OR RECOMMENDATION IS AT THE CUSTOMER'S SOLE RISK AND DISCRETION. ACCORDINGLY, THE CUSTOMER SHALL RELEASE AND HOLD DIGI-KEY HARMLESS FROM AND AGAINST ANY AND ALL LOSS, LIABILITY, AND DAMAGE INCURRED BY THE CUSTOMER OR ANY THIRD PARTY AS A RESULT OF ANY INFORMATION OR RECOMMENDATION PROVIDED TO THE CUSTOMER OR THE CUSTOMER'S RELIANCE ON SUCH INFORMATION OR RECOMMENDATION.

General Disclaimer of Warranties; Limitation of Liability:

DIGI-KEY MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED WITH RESPECT TO ANY PRODUCT, AND SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING WARRANTIES FOR MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR ANY PARTICULAR PURPOSE. DIGI-KEY'S SOLE OBLIGATION AND LIABILITY FOR PRODUCT DEFECTS SHALL BE, AT DIGI-KEY'S OPTION, TO REPLACE SUCH DEFECTIVE PRODUCT OR REFUND TO CUSTOMER THE AMOUNT PAID BY CUSTOMER THEREFORE. IN NO EVENT SHALL DIGI-KEY'S LIABILITY EXCEED THE BUYER'S PURCHASE PRICE.

The foregoing remedy shall be subject to buyer's written notification of defect and return of the defective product within ninety (90) days of purchase. The foregoing remedy does not apply to products that have been subjected to misuse (including without limitation static discharge), neglect, accident or modification, or to products that have been soldered or altered during assembly, or are otherwise not capable of being tested.

IN NO EVENT SHALL DIGI-KEY BE LIABLE TO THE BUYER OR TO ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS, LOST SAVINGS, OR LOSS OF BUSINESS OPPORTUNITY) ARISING OUT OF OR RELATING TO ANY PRODUCT OR SERVICE PROVIDED OR TO BE PROVIDED BY DIGI-KEY, OR THE USE OR INABILITY TO USE THE SAME, EVEN IF DIGI-KEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Infringement Disclaimer:

Notwithstanding section 2-312 of any applicable version of the Uniform Commercial Code or any other similar law, or any purchase order term, other contractual provision or the like from the buyer, Digi-Key: (i) expressly disclaims any and all warranties against third party claims for infringement or the like, and (ii) shall have no obligation of any kind to the buyer for claims brought by third parties against the buyer for infringement or the like arising out of or in any way related to product purchased by the buyer from Digi-Key.

How To Order

❒ By Telephone: 800-344-4539 (US & Canada) or 218-681-6674

Our friendly sales representatives are ready to serve you from 6:00pm Sunday through 6:00am Saturday Central Time. For most efficient service, please have ready a list of quantities and part numbers and, if paying by credit card, your MasterCard, VISA, American Express or Discover card.

Note: Calls may be recorded or monitored for quality and training purposes.

❒ By Fax: 218-681-3380

Digi-Key Fax lines can be accessed 24-hours a day, 7-days a week, 365-days a year. Depending on the shipping method; fax orders will be processed and shipped according to the "Orders entered by times" listed below under ***Shipment***. Orders received after these cutoff times will be processed and shipped the next business day. Please include your daytime telephone number and/or email address in case we have any questions about your order.

❒ By Internet: www.digikey.com

Order on-line 24-hours a day, 7 days a week, 365 days a year. Digi-Key's Top Rated Web site receives hundreds-of-thousands of orders each year. Internet orders entered after normal business hours are promptly processed and shipped the next business day.

❒ By Mail: Simply Mail Your Order To:

Digi-Key Corporation
701 Brooks Avenue South
PO Box 677
Thief River Falls MN 56701-0677

International customers please see "International Orders" for additional information.

Ordering Information

Prices/Quantities:

Digi-Key makes every effort to present current and accurate pricing in its catalog and on its Web site. However, prices are subject to change without notice and quantities may be limited. All orders are subject to current pricing at time of acceptance by Digi-Key. Digi-Key country specific Web sites offer alternative currencies. No trade in other currencies will be accepted.

Shipment:

Digi-Key's warehouse is open and staffed Monday through Friday, 7:30am-9:00pm Central Time (subject to holidays). Orders are shipped only on these business days. Orders and correspondence received on Saturday and Sunday will be addressed/shipped on the following Monday and included in that day's business.

Digi-Key's cut-off times for Same-Day Shipment Monday-Friday are as follows:

- Orders entered by 6:00pm CT–All USPS Options (Express Mail delayed 1 day).
- Orders entered by 7:00pm CT–FedEx ground.
- Orders entered by 8:00pm CT–All UPS air and surface options; All FedEx air options.

Shipping Charges:

Shipping or freight charges and insurance will be paid by the customer*. All sales are made FOB point (as defined by the INCOTERMS 2000) in Thief River Falls, MN, USA. Shipping or freight charges from Digi-Key's warehouse in Thief River Falls, MN are prepaid and added to the invoice, billed collect or billed to a 3rd party.

* When a check or money order accompanies your order, Digi-Key pays all shipping and insurance (our choice for method of shipping) to all addresses in the USA and Canada, unless such charges exceed 10% on orders of $200 or less, or 5% on orders greater than $200. Digi-Key will notify you prior to shipment if these conditions exist.

Handling Charge:

- A $5.00 handling charge applies to all orders less than $25.00. This fee will be waived on orders of $25.00 or more.
- A $6.00 processing fee will be applied to all International orders, excluding Canada.

Sales Tax:

Sales tax is charged on shipments in most states that have a sales tax, unless we have your resale certificate. Fax your certificate and your customer number to 218-681-7931, Attn: Sales Tax.

Payment:

Digi-Key offers a number of convenient payment methods:

For United States customers we offer check, money order, MasterCard, VISA, American Express, Discover, and C.O.D. as well as open account credit to qualified institutions and businesses. Payment must be made in the currency in which the order was placed.

For Canadian customers we offer all of the above payment options except C.O.D.

For International customers see "International Orders" below.

To obtain a credit application for open account credit, contact any sales representative by calling 800-344-4539 (US & Canada) or 218-681-6674 or faxing your request to 218-681-3380. Or, you may go to www.digikey.com and click on "Contact Us", which will bring you to the "Digi-Key Communications" page. Then click on "Net 30 Credit Application" in the "Accounting" box. Please allow sufficient time for the credit approval process. To avoid delay on your initial order you may elect an alternative payment method.

Dishonored Check Policy:

If a check you give us for payment is dishonored for any reason by the bank or other institution on which it is drawn, you agree to pay us $20.00 as a service charge (if the check cannot be redeposited) pursuant to Minnesota Statutes § 332.50. In addition, you agree to pay any other reasonable charges imposed by any check verification company or collection agency that we may use for collection.

Out-Of-Stock:

On orders paid by check, money order or credit card, items not available for immediate shipment will be shipped as they become available. Items not available at the end of 30 days will be cancelled and refunded/credited in cases of prepayment. The number of backorder days may be extended beyond 30 days at customer's request. If a refund check is issued, the cancelled item can be re-entered without a handling charge if the check and cancellation notice are returned to us.

On orders billed to customers with open account credit, items not available for immediate shipment will be shipped and billed as they become available. Items not available at the end of 90 days will be cancelled. The number of backorder days may be extended beyond 90 days at customers request.

International Orders:

In addition to the United States and its territories, Digi-Key accepts International orders. All orders of International origin are exported from the US in accordance with the Export Administration Regulations. Diversion contrary to US Law is prohibited. An additional handling charge of $6.00 will be included for processing and invoicing. All duties and taxes will be the responsibility of the customer.

Payment options for International customers: MasterCard, VISA, American Express, Discover, cashier's check in US funds, as well as open account credit to qualified institutions and businesses. We cannot accept personal checks or certified personal checks. Money orders can result in significant delays. Use of Letters of Credit must be approved in advance by Digi-Key's Accounting Department.

To obtain a credit application for open account credit, contact any sales representative by calling 218-681-7979 or faxing your request to 218-681-3380. Or, you may go to www.digikey.com and click on "Contact Us", which will bring you to the "Digi-Key Communications" page. Then click on "Net 30 Credit Application" in the "Accounting" box. Please allow sufficient time for the credit approval process. To avoid delay on your initial order you may elect an alternative payment method.

Customer Service:

Voice: 800-858-3616 in (US & Canada) or 218-681-6674

Fax: 218-681-3380

Internet: www.digikey.com (click "Contact Us")

Mail: Digi-Key Corporation
Attn: Customer Service
PO Box 677
Thief River Falls MN 56701-0677

A friendly, competent staff of customer service representatives is available from 6:00pm Sunday through 6:00am Saturday Central Time to assist you. Please have your sales order or invoice number available when you call.

Freight Damage:

If you receive merchandise that has been damaged in transit, it is important to keep the shipping carton, packing material and parts intact. Please contact a Digi-Key Customer Service representative immediately to initiate a claim. See "Customer Service" above for contact information.

Return Policy:

Digi-Key accepts merchandise returns subject to the terms outlined below and will replace the product or refund your money at your option.

To facilitate processing of returned merchandise:

- Please contact a Customer Service Representative to obtain an RMA (Returned Merchandise Authorization) number prior to returning product. See "Customer Service" above for contact information.
- All returns should be made within 30 days of date of invoice and be accompanied by the original invoice number and a brief explanation of the reason for the return.
- Return freight charge must be prepaid. Sorry, C.O.D. returns cannot be accepted.
- Returned merchandise must be in original packaging and resalable condition.
- Parts returned due to customer error may be subject to a restocking charge. "Not-in Catalog Items" and parts specified as "Non-Cancelable/Non-Returnable" at time of quote or sale are not returnable.
- Defective merchandise may be returned within 90 days of the original invoice date and need not be in original packaging.

Duplicate Mailings:

If you receive more than one catalog with the same name and address, please return the labels to Digi-Key and pass the catalog along to a friend. Also, if you do not require multiple copies to the same company address, contact a sales representative to verify your mailing information. A forms based communications method for catalog issues (Receive, Remove, Change of Address) can be accessed at www.digikey.com by clicking "Contact Us", which brings you to the "Digi-Key Communications" page. Then click "Catalog Mailing List" and scroll to "Service Out Options" to note your preferences. Alternatively, you may mail, telephone or fax Digi-Key your request.

Environmental Packaging:

Based on our commitment to the environment and you, our valued customer, we are now using Geami, a 100% recyclable packaging product. Both the outer and the inner tissue can be put in your newspaper bin for recycling.

Privacy Policy:

Your privacy as a customer is very important to us. We want you to know how your customer information is used.

Once you make a purchase, request a catalog or other information from Digi-Key, your name, shipping/mailing address, telephone number, email address and fax number are included in our customer file.

This information is used to ensure a quick, efficient flow of products and services to you. This information may also be used for other purposes as outlined below.

Postal Addresses: Digi-Key may use your mailing address to send the Digi-Key catalog to keep you updated on our most current products and services.

Occasionally, Digi-Key may make the names and addresses of our customer list available to carefully screened companies that offer products and/or services that may be of interest to you.

Email Addresses: Email addresses may be used to communicate information of interest to you about Digi-Key. This includes Order Shipment/Tracking Information, Obsolete Part Bulletins, Service Change Information or other Digi-Key promotional emails.

Emails may be sent by Digi-Key or an authorized agent working for Digi-Key. All authorized agents operate with a confidentiality agreement. Information sent in this manner will always include "opt out" options.

Email addresses are never rented, sold or traded to third parties.

Opt Out: You may elect to opt out of any of the above uses of your customer information by completing the "Opt Out" form in our privacy statement on our Web site or by contacting us by telephone, fax or mail.

Other Uses Of Customer Information: Digi-Key is under contract to provide point of sale information to many of its product suppliers for market research and payment of commission to the supplier's agents.

If you have an open account with Digi-Key, credit and payment history will periodically be shared with credit reporting agencies.

Customer information is also used for marketing and market research for Digi-Key Corporation. Digi-Key or an authorized agent working for Digi-Key may complete these activities. All customer information is kept confidential.

Digi-Key will share customer information with government agencies if required by law.

Note: We reserve the right to make changes to our privacy policy at any time without prior notification.

ISO 9001:2000 Certified:

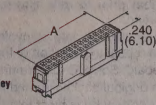
Digi-Key's operations from order entry through shipping have been fully ISO certified since March 17,1994 and are recertified on an annual basis. A copy of Digi-Key Corporation's ISO Certification is available at www.digikey.com or upon verbal or written request.

Military Qualified Parts Disclaimer:

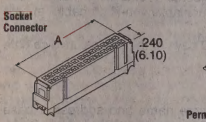
Digi-Key does not stock or sell any product that meets the performance or documentation requirements as outlined by any Military Qualified Parts List ("QPL"). Digi-Key does stock and sell product that has been manufactured to Mil Spec, BUT this in no way indicates that those parts are acceptable or appropriate for use in any Military application. Mil Spec is used as an industry-common reference and is NOT an indication of end use qualification.

tyco Electronics AMP

Socket Connectors



Socket Connector with Central Polarizing Key

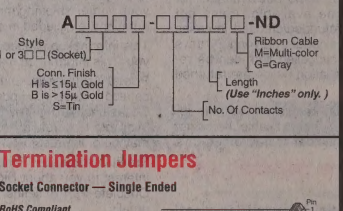


Permanent Pull-Tabs To Be Used With Strain Relief Version

Material and Finish: • Plastic Shell: Housing, Cover & Strain Relief — Black thermoplastic, 94V-0 rated • Gold Finish: Contacts — Phosphor bronze, duplex 15µ" gold or 30µ" gold on post/pin mating end, 100µ"-200µ" bright tin-lead on termination end, with entire contact underplated 50µ" nickel

No. of Cont.	Contact Finish	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 10	AMP Part No.
Socket Connector Only (Strain Reliefs Sold Separately)						
30	15µ" AU	1.68 (42.67)	ASC30G-ND	3.27	20.50	499997-7
40	15µ" AU	2.18 (55.37)	ASC40G-ND	3.11	19.48	499997-9
64	15µ" AU	3.38 (85.85)	ASC64G-ND	5.40	33.81	1-499997-2
10	30µ" AU	.68 (17.27)	ASN10A-ND	1.11	6.94	746290-1
24	30µ" AU	1.38 (35.05)	ASN24A-ND	3.42	21.41	746290-5
26	30µ" AU	1.48 (37.59)	ASN26A-ND	2.48	15.52	746290-6
34	30µ" AU	1.88 (47.75)	ASN34A-ND	3.14	19.69	746290-8
50	30µ" AU	2.67 (68.07)	ASN50A-ND	4.48	28.05	1-746290-0
Socket Connector Only — RoHS Compliant (Strain Reliefs Sold Separately)						
10	15µ" AU	.68 (17.27)	ASC10H-ND	1.26	6.06	1658620-1
14	15µ" AU	.88 (22.35)	ASC14H-ND	1.84	8.85	1658620-2
16	15µ" AU	.98 (24.89)	ASC16H-ND	1.94	9.32	1658620-3
20	15µ" AU	1.18 (29.97)	ASC20H-ND	2.04	9.78	1658620-4
24	15µ" AU	1.38 (35.05)	ASC24H-ND	3.24	15.56	1658620-5
26	15µ" AU	1.48 (37.59)	ASC26H-ND	3.24	15.56	1658620-6
30	15µ" AU	1.68 (42.67)	ASC30H-ND	4.16	19.95	1658620-7
34	15µ" AU	1.88 (47.75)	ASC34H-ND	3.61	17.35	1658620-8
40	15µ" AU	2.18 (55.37)	ASC40H-ND	3.99	19.15	1658620-9
50	15µ" AU	2.68 (68.07)	ASC50H-ND	4.86	23.06	1-1658620-0
64	15µ" AU	3.38 (85.85)	ASC64H-ND	4.04	25.32	1-1658620-2
10	30µ" AU	.68 (17.27)	ASN10B-ND	1.55	7.45	1658623-1
14	30µ" AU	.88 (22.35)	ASN14B-ND	2.04	9.78	1658623-2
16	30µ" AU	.98 (24.89)	ASN16B-ND	2.14	10.25	1658623-3
20	30µ" AU	1.18 (29.97)	ASN20B-ND	2.23	10.72	1658623-4
24	30µ" AU	1.38 (35.05)	ASN24B-ND	4.64	22.26	1658623-5
26	30µ" AU	1.48 (37.59)	ASN26B-ND	3.24	15.56	1658623-6
30	30µ" AU	1.68 (42.67)	ASN30B-ND	3.74	17.95	1658623-7
34	30µ" AU	1.88 (47.75)	ASN34B-ND	4.11	19.74	1658623-8
40	30µ" AU	2.18 (55.37)	ASN40B-ND	4.86	23.33	1658623-9
50	30µ" AU	2.68 (68.07)	ASN50B-ND	5.86	28.12	1-1658623-0
Socket Connector With Polarizing Key						
30	15µ" AU	1.68 (42.67)	AKC30G-ND	2.76	17.31	746285-7
60	15µ" AU	3.18 (80.77)	AKC60G-ND	4.76	29.84	1-746285-1
44	30µ" AU	2.38 (60.45)	AKN44A-ND	4.38	27.45	1-746288-3
Socket Connector With Polarizing Key — RoHS Compliant						
10	15µ" AU	.68 (17.27)	AKC10H-ND	1.86	8.84	1658621-1
14	15µ" AU	.88 (22.35)	AKC14H-ND	2.72	13.07	1658621-2
16	15µ" AU	.98 (24.89)	AKC16H-ND	2.87	13.76	1658621-3
20	15µ" AU	1.18 (29.97)	AKC20H-ND	2.62	12.56	1658621-4
24	15µ" AU	1.38 (35.05)	AKC24H-ND	3.24	15.56	1658621-5
26	15µ" AU	1.48 (37.59)	AKC26H-ND	3.24	15.56	1658621-6
30	15µ" AU	1.68 (42.67)	AKC30H-ND	3.61	17.35	1658621-7
34	15µ" AU	1.88 (47.75)	AKC34H-ND	3.61	17.35	1658621-8
40	15µ" AU	2.18 (55.37)	AKC40H-ND	3.99	19.15	1658621-9
44	15µ" AU	2.38 (60.45)	AKC44H-ND	3.36	15.95	1-1658621-3
50	15µ" AU	2.68 (68.07)	AKC50H-ND	4.86	23.33	1-1658621-0
60	15µ" AU	3.18 (80.77)	AKC60H-ND	6.23	29.91	1-1658621-1
64	15µ" AU	3.38 (85.85)	AKC64H-ND	6.86	32.91	1-1658621-2
10	30µ" AU	.68 (17.27)	AKN10B-ND	1.99	9.57	1658622-1
14	30µ" AU	.88 (22.35)	AKN14B-ND	2.62	12.56	1658622-2
16	30µ" AU	.98 (24.89)	AKN16B-ND	2.74	13.16	1658622-3
20	30µ" AU	1.18 (29.97)	AKN20B-ND	2.87	13.76	1658622-4
24	30µ" AU	1.38 (35.05)	AKN24B-ND	3.24	15.56	1658622-5
26	30µ" AU	1.48 (37.59)	AKN26B-ND	3.24	15.56	1658622-6
30	30µ" AU	1.68 (42.67)	AKN30B-ND	4.11	19.74	1658622-7
34	30µ" AU	1.88 (47.75)	AKN34B-ND	4.11	19.74	1658622-8
40	30µ" AU	2.18 (55.37)	AKN40B-ND	4.86	23.33	1658622-9
44	30µ" AU	2.38 (60.45)	AKN44B-ND	5.73	27.52	1-1658622-3
50	30µ" AU	2.68 (68.07)	AKN50B-ND	5.86	28.12	1-1658622-0
60	30µ" AU	3.18 (80.77)	AKN60B-ND	7.23	34.70	1-1658622-1
64	30µ" AU	3.38 (85.85)	AKN64B-ND	7.98	38.29	1-1658622-2

No. of Cont.	Contact Finish	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 10	AMP Part No.
Strain Relief For Socket Connectors — RoHS Compliant						
10	—	.68 (17.27)	ASSR10-ND	.34	1.41	499252-5
14	—	.88 (22.35)	ASSR14-ND	.34	1.41	499252-9
16	—	.98 (24.89)	ASSR16-ND	.34	1.41	499252-8
20	—	1.18 (29.97)	ASSR20-ND	.34	1.41	499252-2
24	—	1.38 (35.05)	ASSR24-ND	.35	2.21	1-499252-0
26	—	1.48 (37.59)	ASSR26-ND	.35	1.64	499252-3
30	—	1.68 (42.67)	ASSR30-ND	.35	1.64	1-499252-2
34	—	1.88 (47.75)	ASSR34-ND	.35	1.64	499252-6
40	—	2.18 (55.37)	ASSR40-ND	.35	1.91	499252-1
44	—	2.38 (60.45)	ASSR44-ND	.65	4.09	1-499252-1
50	—	2.68 (68.07)	ASSR50-ND	.35	2.18	499252-4
60	—	3.18 (80.77)	ASSR60-ND	.39	2.46	499252-7
64	—	3.38 (85.85)	ASSR64-ND	.48	3.00	1-499252-3
Permanent Pull Tabs (For Connectors With Strain Reliefs)						
24	—	1.08 (27.43)	ASPT24-ND	.18	1.60	88450-6
30	—	1.38 (35.05)	ASPT30-ND	.23	2.08	1-88450-2
Continuous Strip no positions		120.0 (3048.0)	ASPT01-ND	20.22	126.66	88450-1
Permanent Pull Tabs — RoHS Compliant (For Connectors With Strain Reliefs)						
10	—	.44 (11.18)	ASPS10-ND	.27	1.28	5088450-2
14	—	.64 (16.26)	ASPS14-ND	.23	1.13	5088450-3
16	—	.74 (18.80)	ASPS16-ND	.32	1.53	5088450-4
20	—	.88 (22.35)	ASPS20-ND	.32	1.54	5088450-5
26	—	1.18 (29.97)	ASPS26-ND	.37	1.75	5088450-7
34	—	1.58 (40.13)	ASPS34-ND	.31	1.50	5088450-8
40	—	1.82 (46.23)	ASPS40-ND	.35	1.66	5088450-9
50	—	2.32 (58.93)	ASPS50-ND	.55	2.62	1-5088450-0
60	—	2.80 (71.12)	ASPS60-ND	.81	3.88	1-5088450-1
Continuous Strip no positions		120.0 (3048.0)	ASKP03-ND	26.46	127.01	5088450-1
Keying Plug For Socket Connectors — RoHS Compliant						
Keying Plugs			ASKP01-ND	.15	1.32	499712-1
Keying Plugs 10/Comb			ASKP02-ND	1.17	10.49	104072-1



Termination Jumpers

Socket Connector — Single Ended

RoHS Compliant

* MC = Multi-Color, GR = Gray

Socket connector without strain relief shown

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Pricing 1	Pricing 10
10	Gold	36 (91.44)	MC	A1AXH-1036M-ND	3.27	26.65
		36 (91.44)	GR	A1AXH-1036G-ND	1.84	15.01
14	Gold	36 (91.44)	MC	A1AXH-1436M-ND	4.89	39.81
		36 (91.44)	GR	A1AXH-1436G-ND	2.68	21.79
16	Gold	36 (91.44)	MC	A1AXH-1636M-ND	5.48	44.59
		36 (91.44)	GR	A1AXH-1636G-ND	2.86	23.29
20	Gold	36 (91.44)	MC	A1AXH-2036M-ND	6.51	52.98
		36 (91.44)	GR	A1AXH-2036G-ND	3.67	29.90
24	Gold	36 (91.44)	MC	A1AXH-2436M-ND	8.18	66.64
		36 (91.44)	GR	A1AXH-2436G-ND	4.36	35.51
26	Gold	36 (91.44)	MC	A1AXH-2636M-ND	8.97	73.02
		36 (91.44)	GR	A1AXH-2636G-ND	5.33	43.38
30	Gold	36 (91.44)	MC	A1AXH-3036M-ND	9.72	79.16
		36 (91.44)	GR	A1AXH-3036G-ND	6.08	49.52
34	Gold	36 (91.44)	MC	A1AXH-3436M-ND	10.89	88.71
		36 (91.44)	GR	A1AXH-3436G-ND	5.89	47.96
40	Gold	36 (91.44)	MC	A1AXH-4036M-ND	12.46	101.45
		36 (91.44)	GR	A1AXH-4036G-ND	6.47	52.71
50	Gold	36 (91.44)	MC	A1AXH-5036M-ND	15.72	128.01
		36 (91.44)	GR	A1AXH-5036G-ND	8.84	72.01
64	Gold	36 (91.44)	MC	A1AXH-6436M-ND	17.19	140.02
		36 (91.44)	GR	A1AXH-6436G-ND	8.77	71.40

Also available in the following versions:

A1BXH-□□□□□-ND — Socket Connector with Strain Relief
Note: Also available with 60 contacts.

A1CXH-□□□□□-ND — Socket Connector with Central Polarizing Key
Note: Also available with 60 contacts.

A1DXH-□□□□□-ND — Socket Connector with Strain Relief and Central Polarizing Key
Note: Also available with 44 and 60 contacts.

Call for complete part number and pricing!

Socket Connector to Socket Connector

RoHS Compliant

* MC = Multi-Color, GR = Gray

Socket connector without strain relief shown.

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Pricing 1	Pricing 10
10	Gold	6 (15.24)	MC	A3AAH-1006M-ND	2.86	23.28
		6 (15.24)	GR	A3AAH-1006G-ND	2.62	21.34
		18 (45.72)	MC	A3AAH-1018M-ND	3.53	28.74
		18 (45.72)	GR	A3AAH-1018G-ND	2.81	22.92
		36 (91.44)	MC	A3AAH-1036M-ND	4.53	36.92
		36 (91.44)	GR	A3AAH-1036G-ND	3.11	25.29
14	Gold	6 (15.24)	MC	A3AAH-1406M-ND	4.20	34.17
		6 (15.24)	GR	A3AAH-1406G-ND	3.83	31.16
		18 (45.72)	MC	A3AAH-1418M-ND	5.21	42.43
		18 (45.72)	GR	A3AAH-1418G-ND	4.10	33.42
		36 (91.44)	MC	A3AAH-1436M-ND	6.73	54.83
		36 (91.44)	GR	A3AAH-1436G-ND	4.52	36.81
16	Gold	6 (15.24)	MC	A3AAH-1606M-ND	4.47	36.41
		6 (15.24)	GR	A3AAH-1606G-ND	4.04	32.86
		18 (45.72)	MC	A3AAH-1618M-ND	5.65	46.01
		18 (45.72)	GR	A3AAH-1618G-ND	4.34	35.36
		36 (91.44)	MC	A3AAH-1636M-ND	7.42	60.40
		36 (91.44)	GR	A3AAH-1636G-ND	4.80	39.10
20	Gold	6 (15.24)	MC	A3AAH-2006M-ND	5.12	41.69
		6 (15.24)	GR	A3AAH-2006G-ND	4.65	37.85
		18 (45.72)	MC	A3AAH-2018M-ND	6.56	53.38
		18 (45.72)	GR	A3AAH-2018G-ND	5.14	41.84
		36 (91.44)	MC	A3AAH-2036M-ND	8.71	70.91
		36 (91.44)	GR	A3AAH-2036G-ND	5.87	47.82
24	Gold	6 (15.24)	MC	A3AAH-2406M-ND	7.31	59.49
		6 (15.24)	GR	A3AAH-2406G-ND	6.67	54.30
		18 (45.72)	MC	A3AAH-2418M-ND	8.95	72.91
		18 (45.72)	GR	A3AAH-2418G-ND	7.04	57.34
		36 (91.44)	MC	A3AAH-2436M-ND	11.43	93.03
		36 (91.44)	GR	A3AAH-2436G-ND	7.60	61.90
26	Gold	6 (15.24)	MC	A3AAH-2606M-ND	7.73	62.97
		6 (15.24)	GR	A3AAH-2606G-ND	7.13	58.03
		18 (45.72)	MC	A3AAH-2618M-ND	9.59	78.07
		18 (45.72)	GR	A3AAH-2618G-ND	7.77	63.25
		36 (91.44)	MC	A3AAH-2636M-ND	12.37	100.73
		36 (91.44)	GR	A3AAH-2636G-ND	8.73	71.09
30	Gold	6 (15.24)	MC	A3AAH-3006M-ND	9.24	75.25
		6 (15.24)	GR	A3AAH-3006G-ND	8.63	70.31
		18 (45.72)	MC	A3AAH-3018M-ND	11.10	90.36
		18 (45.72)	GR	A3AAH-3018G-ND	9.28	75.54
		36 (91.44)	MC	A3AAH-3036M-ND	13.88	113.01
		36 (91.44)	GR	A3AAH-3036G-ND	10.24	83.37
34	Gold	6 (15.24)	MC	A3AAH-3406M-ND	8.44	68.75
		6 (15.24)	GR	A3AAH-3406G-ND	7.61	61.96
		18 (15.24)	MC	A3AAH-3418M-ND	10.87	88.51
		18 (45.72)	GR	A3AAH-3418G-ND	8.37	68.13
		36 (91.44)	MC	A3AAH-3436M-ND	14.51	118.15
		36 (91.44)	GR	A3AAH-3436G-ND	9.50	77.39
40	Gold	6 (15.24)	MC	A3AAH-4006M-ND	9.39	76.45
		6 (15.24)	GR	A3AAH-4006G-ND	8.39	68.33
		18 (45.72)	MC	A3AAH-4018M-ND	12.21	99.44
		18 (45.72)	GR	A3AAH-4018G-ND	9.22	75.08
		36 (91.44)	MC	A3AAH-4036M-ND	16.45	133.93
		36 (91.44)	GR	A3AAH-4036G-ND	10.46	85.19
50	Gold	6 (15.24)	MC	A3AAH-5006M-ND	13.31	108.42
		6 (15.24)	GR	A3AAH-5006G-ND	12.17	99.09
		18 (45.72)	MC	A3AAH-5018M-ND	16.61	135.26
		18 (45.72)	GR	A3AAH-5018G-ND	13.17	107.26
		36 (91.44)	MC	A3AAH-5036M-ND	21.55	175.51
		36 (91.44)	GR	A3AAH-5036G-ND	14.68	119.51
64	Gold	6 (15.24)	MC	A3AAH-6406M-ND	12.65	103.03
		6 (15.24)	GR	A3AAH-6406G-ND	11.25	91.60
		18 (45.72)	MC	A3AAH-6418M-ND	16.61	135.22
		18 (45.72)	GR	A3AAH-6418G-ND	12.39	100.91
		36 (91.44)	MC	A3AAH-6436M-ND	22.53	183.49
		36 (91.44)	GR	A3AAH-6436G-ND	14.11	114.87

Also available in the following versions:

A3BBH-□□□□□-ND — Socket Connector with Strain Relief.
Note: Also available with 60 contacts.

A3CCH-□□□□□-ND — Socket Connector with Central Polarizing Key.
Note: Also available with 44 and 60 contacts.

A3DDH-□□□□□-ND — Socket Connector with Strain Relief and Central Polarizing Key.
Note: Also available with 44 and 60 contacts.

Call for complete part number and pricing!

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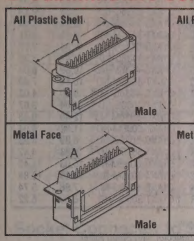
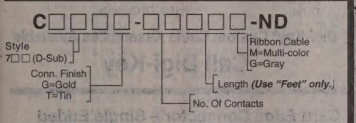
CW INDUSTRIES

D-Subminiature Connectors



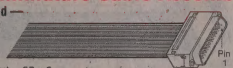
Specifications: • Contacts: phosphor bronze • Contact Plating: 10µ inch gold (in mating area) over 50µ inch nickel or 100µ inch tin-lead • Insulator material: UL 94V-0 flame-retardant thermoplastic • Cover pull-off force 226.79 grams/contact minimum (force applied along contacts' primary axis) • Withdrawal force 56.70g – 226.79g/contact, typical • Color: blue • Operating Temperature: -55° - 125°C • Current 1A (maximum) per contact • Dielectric Withstand Voltage: 500VDC (sea level) • Insulation resistance: 5 x 10^8 Ω

No. of Contacts	Contact Finish	Dim.A In. (mm)	Digi-Key Part No.	Pricing 1	10	100
Male D-Subminiature Connectors, Plastic Shell						
9	Gold	.984 (24.99)	CMP09G-ND	3.35	25.38	194.40
9	Tin	.984 (24.99)	CMP09T-ND	2.85	21.62	165.60
15	Gold	1.312 (33.32)	CMP15G-ND	4.40	33.37	255.60
15	Tin	1.312 (33.32)	CMP15T-ND	3.75	28.44	217.80
25	Gold	1.852 (47.04)	CMP25G-ND	5.92	44.89	343.80
25	Tin	1.852 (47.04)	CMP25T-ND	5.02	38.07	291.60
37	Gold	2.500 (63.50)	CMP37G-ND	8.74	66.27	507.60
37	Tin	2.500 (63.50)	CMP37T-ND	7.44	56.40	432.00
Female D-Subminiature Connectors, Plastic Shell						
9	Gold	.984 (24.99)	CFP09G-ND	3.84	29.14	223.20
9	Tin	.984 (24.99)	CFP09T-ND	3.26	24.68	189.00
15	Gold	1.312 (33.32)	CFP15G-ND	5.02	38.07	291.60
15	Tin	1.312 (33.32)	CFP15T-ND	4.28	32.43	248.40
25	Gold	1.852 (47.04)	CFP25G-ND	6.82	51.70	396.00
25	Tin	1.852 (47.04)	CFP25T-ND	5.80	43.95	336.60
37	Gold	2.500 (63.50)	CFP37G-ND	10.08	76.38	585.00
37	Tin	2.500 (63.50)	CFP37T-ND	8.56	64.86	496.80
Male D-Subminiature Connectors, Metal Face						
9	Gold	.984 (24.99)	CMM09G-ND	3.66	27.73	212.40
9	Tin	.984 (24.99)	CMM09T-ND	3.11	23.57	180.54
15	Gold	1.312 (33.32)	CMM15G-ND	4.81	36.43	279.00
15	Tin	1.312 (33.32)	CMM15T-ND	4.08	30.96	237.15
25	Gold	1.852 (47.04)	CMM25G-ND	6.51	49.35	378.00
25	Tin	1.852 (47.04)	CMM25T-ND	5.53	41.95	321.30
37	Gold	2.500 (63.50)	CMM37G-ND	9.64	73.09	559.80
37	Tin	2.500 (63.50)	CMM37T-ND	8.19	62.12	475.83
Female D-Subminiature Connectors, Metal Face						
9	Gold	.984 (24.99)	CFM09G-ND	4.25	32.20	246.60
9	Tin	.984 (24.99)	CFM09T-ND	3.61	27.37	209.61
15	Gold	1.312 (33.32)	CFM15G-ND	5.52	41.83	320.40
15	Tin	1.312 (33.32)	CFM15T-ND	4.69	35.56	272.34
25	Gold	1.852 (47.04)	CFM25G-ND	7.47	56.64	433.80
25	Tin	1.852 (47.04)	CFM25T-ND	6.35	48.14	368.73
37	Gold	2.500 (63.50)	CFM37G-ND	11.10	84.13	644.40
37	Tin	2.500 (63.50)	CFM37T-ND	9.43	71.51	547.74



D-Subminiature Cable Assemblies

Single Ended — Male

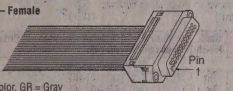


* MC = Multi-Color, GR = Gray

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1	10
Using Plastic Shell Connectors						
9	Gold	6 (1.83)	MC	C7MXG-0906M-ND	7.30	55.31
	Tin	6 (1.83)	MC	C7MXT-0906M-ND	6.79	51.50
	Gold	6 (1.83)	GR	C7MXG-0906G-ND	4.53	34.31
	Tin	6 (1.83)	GR	C7MXT-0906G-ND	4.02	30.50
	Gold	10 (3.05)	MC	C7MXG-0910M-ND	9.93	75.26
	Tin	10 (3.05)	MC	C7MXT-0910M-ND	9.43	71.46
	Gold	10 (3.05)	GR	C7MXG-0910G-ND	5.31	40.26
	Tin	10 (3.05)	GR	C7MXT-0910G-ND	4.81	36.46
15	Gold	6 (1.83)	MC	C7MXG-1506M-ND	9.97	75.55
	Tin	6 (1.83)	MC	C7MXT-1506M-ND	9.31	70.55
	Gold	6 (1.83)	GR	C7MXG-1506G-ND	5.93	44.95
	Tin	6 (1.83)	GR	C7MXT-1506G-ND	5.27	39.94
	Gold	10 (3.05)	MC	C7MXG-1510M-ND	13.68	103.67
	Tin	10 (3.05)	MC	C7MXT-1510M-ND	13.02	98.67
	Gold	10 (3.05)	GR	C7MXG-1510G-ND	6.95	52.66
	Tin	10 (3.05)	GR	C7MXT-1510G-ND	6.29	47.66
25	Gold	6 (1.83)	MC	C7MXG-2506M-ND	10.64	80.69
	Tin	6 (1.83)	MC	C7MXT-2506M-ND	9.84	73.08
	Gold	6 (1.83)	GR	C7MXG-2506G-ND	7.87	59.69
	Tin	6 (1.83)	GR	C7MXT-2506G-ND	6.87	52.08
	Gold	10 (3.05)	MC	C7MXG-2510M-ND	13.28	100.64
	Tin	10 (3.05)	MC	C7MXT-2510M-ND	12.27	93.03
	Gold	10 (3.05)	GR	C7MXG-2510G-ND	8.66	65.64
	Tin	10 (3.05)	GR	C7MXT-2510G-ND	7.65	58.03
37	Gold	6 (1.83)	MC	C7MXG-3706M-ND	14.37	108.92
	Tin	6 (1.83)	MC	C7MXT-3706M-ND	13.05	98.91
	Gold	6 (1.83)	GR	C7MXG-3706G-ND	10.33	78.32
	Tin	6 (1.83)	GR	C7MXT-3706G-ND	9.01	68.31
	Gold	10 (3.05)	MC	C7MXG-3710M-ND	18.08	137.04
	Tin	10 (3.05)	MC	C7MXT-3710M-ND	16.76	127.03
	Gold	10 (3.05)	GR	C7MXG-3710G-ND	11.35	86.03
	Tin	10 (3.05)	GR	C7MXT-3710G-ND	10.03	76.02

Also available in the following configuration:
C7PX□-□□□□□-ND — With Metal Face Connector.
Call for complete part number and pricing!

Single Ended — Female

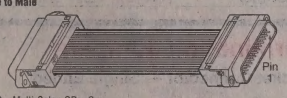


* MC = Multi-Color, GR = Gray

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1	10
Using Plastic Shell Connectors						
9	Gold	6 (1.83)	MC	C7FXG-0906M-ND	7.79	59.07
	Tin	6 (1.83)	MC	C7FXT-0906M-ND	7.22	54.70
	Gold	6 (1.83)	GR	C7FXG-0906G-ND	5.02	38.07
	Tin	6 (1.83)	GR	C7FXT-0906G-ND	4.45	33.70
	Gold	10 (3.05)	MC	C7FXG-0910M-ND	10.42	79.02
	Tin	10 (3.05)	MC	C7FXT-0910M-ND	9.85	74.65
	Gold	10 (3.05)	GR	C7FXG-0910G-ND	5.81	44.02
	Tin	10 (3.05)	GR	C7FXT-0910G-ND	5.23	39.65
15	Gold	6 (1.83)	MC	C7FXG-1506M-ND	10.59	80.25
	Tin	6 (1.83)	MC	C7FXT-1506M-ND	9.83	74.54
	Gold	6 (1.83)	GR	C7FXG-1506G-ND	6.55	49.65
	Tin	6 (1.83)	GR	C7FXT-1506G-ND	5.80	43.94
	Gold	10 (3.05)	MC	C7FXG-1510M-ND	14.30	108.37
	Tin	10 (3.05)	MC	C7FXT-1510M-ND	13.54	102.66
	Gold	10 (3.05)	GR	C7FXG-1510G-ND	7.57	57.36
	Tin	10 (3.05)	GR	C7FXT-1510G-ND	6.81	51.65
25	Gold	6 (1.83)	MC	C7FXG-2506M-ND	16.43	124.55
	Tin	6 (1.83)	MC	C7FXT-2506M-ND	15.41	116.80
	Gold	6 (1.83)	GR	C7FXG-2506G-ND	10.04	76.14
	Tin	6 (1.83)	GR	C7FXT-2506G-ND	9.02	68.39
	Gold	10 (3.05)	MC	C7FXG-2510M-ND	22.84	173.12
	Tin	10 (3.05)	MC	C7FXT-2510M-ND	21.81	165.36
	Gold	10 (3.05)	GR	C7FXG-2510G-ND	12.19	92.43
	Tin	10 (3.05)	GR	C7FXT-2510G-ND	11.17	84.68
37	Gold	6 (1.83)	MC	C7FXG-3706M-ND	25.08	190.12
	Tin	6 (1.83)	MC	C7FXT-3706M-ND	23.57	178.66
	Gold	6 (1.83)	GR	C7FXG-3706G-ND	14.35	108.81
	Tin	6 (1.83)	GR	C7FXT-3706G-ND	12.84	97.35
	Gold	10 (3.05)	MC	C7FXG-3710M-ND	35.08	265.94
	Tin	10 (3.05)	MC	C7FXT-3710M-ND	33.57	254.49
	Gold	10 (3.05)	GR	C7FXG-3710G-ND	17.21	130.43
	Tin	10 (3.05)	GR	C7FXT-3710G-ND	15.69	118.97

Also available in the following configuration:
C7SX□-□□□□□-ND — With Metal Face Connector.
Call for complete part number and pricing!

Male to Male

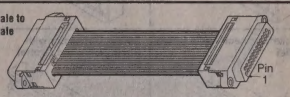


* MC = Multi-Color, GR = Gray

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1	10
Using Plastic Shell Connectors						
9	Gold	6 (1.83)	MC	C7MMG-0906M-ND	10.64	80.69
	Tin	6 (1.83)	MC	C7MMT-0906M-ND	9.84	73.08
	Gold	6 (1.83)	GR	C7MMG-0906G-ND	7.87	59.69
	Tin	6 (1.83)	GR	C7MMT-0906G-ND	6.87	52.08
	Gold	10 (3.05)	MC	C7MMG-0910M-ND	13.28	100.64
	Tin	10 (3.05)	MC	C7MMT-0910M-ND	12.27	93.03
	Gold	10 (3.05)	GR	C7MMG-0910G-ND	8.66	65.64
	Tin	10 (3.05)	GR	C7MMT-0910G-ND	7.65	58.03
15	Gold	6 (1.83)	MC	C7MMG-1506M-ND	14.37	108.92
	Tin	6 (1.83)	MC	C7MMT-1506M-ND	13.05	98.91
	Gold	6 (1.83)	GR	C7MMG-1506G-ND	10.33	78.32
	Tin	6 (1.83)	GR	C7MMT-1506G-ND	9.01	68.31
	Gold	10 (3.05)	MC	C7MMG-1510M-ND	18.08	137.04
	Tin	10 (3.05)	MC	C7MMT-1510M-ND	16.76	127.03
	Gold	10 (3.05)	GR	C7MMG-1510G-ND	11.35	86.03
	Tin	10 (3.05)	GR	C7MMT-1510G-ND	10.03	76.02
25	Gold	6 (1.83)	MC	C7MMG-2506M-ND	21.45	162.62
	Tin	6 (1.83)	MC	C7MMT-2506M-ND	19.68	149.15
	Gold	6 (1.83)	GR	C7MMG-2506G-ND	15.07	114.21
	Tin	6 (1.83)	GR	C7MMT-2506G-ND	13.29	100.74
	Gold	10 (3.05)	MC	C7MMG-2510M-ND	27.86	211.19
	Tin	10 (3.05)	MC	C7MMT-2510M-ND	26.08	197.72
	Gold	10 (3.05)	GR	C7MMG-2510G-ND	17.22	130.50
	Tin	10 (3.05)	GR	C7MMT-2510G-ND	15.44	117.04
37	Gold	6 (1.83)	MC	C7MMG-3706M-ND	32.49	246.28
	Tin	6 (1.83)	MC	C7MMT-3706M-ND	29.87	226.40
	Gold	6 (1.83)	GR	C7MMG-3706G-ND	21.76	164.97
	Tin	6 (1.83)	GR	C7MMT-3706G-ND	19.14	145.09
	Gold	10 (3.05)	MC	C7MMG-3710M-ND	42.49	322.11
	Tin	10 (3.05)	MC	C7MMT-3710M-ND	39.87	302.23
	Gold	10 (3.05)	GR	C7MMG-3710G-ND	24.61	186.59
	Tin	10 (3.05)	GR	C7MMT-3710G-ND	21.99	166.71

Also available in the following configuration:
C7PP□-□□□□□-ND — With Metal Face Connector.
Call for complete part number and pricing!

Female to Female

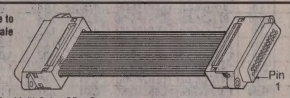


* MC = Multi-Color, GR = Gray

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1	10
Using Plastic Shell Connectors						
9	Gold	6 (1.83)	MC	C7FFG-0906M-ND	11.64	88.21
	Tin	6 (1.83)	MC	C7FFT-0906M-ND	10.48	79.47
	Gold	6 (1.83)	GR	C7FFG-0906G-ND	8.87	67.21
	Tin	6 (1.83)	GR	C7FFT-0906G-ND	7.71	58.47
	Gold	10 (3.05)	MC	C7FFG-0910M-ND	14.27	108.16
	Tin	10 (3.05)	MC	C7FFT-0910M-ND	13.12	99.42
	Gold	10 (3.05)	GR	C7FFG-0910G-ND	9.65	73.16
	Tin	10 (3.05)	GR	C7FFT-0910G-ND	8.50	64.42
15	Gold	6 (1.83)	MC	C7FFG-1506M-ND	15.61	118.32
	Tin	6 (1.83)	MC	C7FFT-1506M-ND	14.10	106.90
	Gold	6 (1.83)	GR	C7FFG-1506G-ND	11.57	87.72
	Tin	6 (1.83)	GR	C7FFT-1506G-ND	10.06	76.30
	Gold	10 (3.05)	MC	C7FFG-1510M-ND	19.32	146.44
	Tin	10 (3.05)	MC	C7FFT-1510M-ND	17.81	135.02
	Gold	10 (3.05)	GR	C7FFG-1510G-ND	12.59	95.43
	Tin	10 (3.05)	GR	C7FFT-1510G-ND	11.08	84.01
25	Gold	6 (1.83)	MC	C7FFG-2506M-ND	23.25	176.25
	Tin	6 (1.83)	MC	C7FFT-2506M-ND	21.20	160.74
	Gold	6 (1.83)	GR	C7FFG-2506G-ND	16.86	127.84
	Tin	6 (1.83)	GR	C7FFT-2506G-ND	14.82	112.33
	Gold	10 (3.05)	MC	C7FFG-2510M-ND	29.66	224.82
	Tin	10 (3.05)	MC	C7FFT-2510M-ND	27.61	209.31
	Gold	10 (3.05)	GR	C7FFG-2510G-ND	19.01	144.13
	Tin	10 (3.05)	GR	C7FFT-2510G-ND	16.97	128.62
37	Gold	6 (1.83)	MC	C7FFG-3706M-ND	35.15	266.49
	Tin	6 (1.83)	MC	C7FFT-3706M-ND	32.13	243.58
	Gold	6 (1.83)	GR	C7FFG-3706G-ND	24.43	185.18
	Tin	6 (1.83)	GR	C7FFT-3706G-ND	21.41	162.27
	Gold	10 (3.05)	MC	C7FFG-3710M-ND	45.16	342.32
	Tin	10 (3.05)	MC	C7FFT-3710M-ND	42.13	319.40
	Gold	10 (3.05)	GR	C7FFG-3710G-ND	27.28	206.80
	Tin	10 (3.05)	GR	C7FFT-3710G-ND	24.26	183.89

Also available in the following configuration:
C7SS□-□□□□□-ND — With Metal Face Connector.
Call for complete part number and pricing!

Male to Female



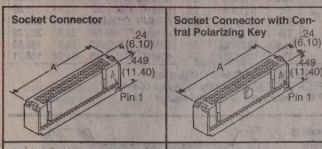
* MC = Multi-Color, GR = Gray

No. of Con-tacts	Conn. Finish	Length Feet (Meters)	Rib-bon* Cable	Digi-Key Part No.	Pricing 1	10
Using Plastic Shell Connectors						
9	Gold	6 (1.83)	MC	C7MFG-0906M-ND	11.14	84.45
	Tin	6 (1.83)	MC	C7MFT-0906M-ND	10.06	76.27
	Gold	6 (1.83)	GR	C7MFG-0906G-ND	8.37	63.45
	Tin	6 (1.83)	GR	C7MFT-0906G-ND	7.29	55.27
	Gold	10 (3.05)	MC	C7MFG-0910M-ND	13.77	104.40
	Tin	10 (3.05)	MC	C7MFT-0910M-ND	12.69	96.22
	Gold	10 (3.05)	GR	C7MFG-0910G-ND	9.16	69.40
	Tin	10 (3.05)	GR	C7MFT-0910G-ND	8.08	61.23
15	Gold	6 (1.83)	MC	C7MFG-1506M-ND	14.99	113.62
	Tin	6 (1.83)	MC	C7MFT-1506M-ND	13.57	102.91
	Gold	6 (1.83)	GR	C7MFG-1506G-ND	10.95	83.02
	Tin	6 (1.83)	GR	C7MFT-1506G-ND	9.54	72.30
	Gold	10 (3.05)	MC	C7MFG-1510M-ND	18.70	141.74
	Tin	10 (3.05)	MC	C7MFT-1510M-ND	17.28	131.03
	Gold	10 (3.05)	GR	C7MFG-1510G-ND	11.97	90.73
	Tin	10 (3.05)	GR	C7MFT-1510G-ND	10.56	80.02
25	Gold	6 (1.83)	MC	C7MFG-2506M-ND	22.35	169.44
	Tin	6 (1.83)	MC	C7MFT-2506M-ND	20.44	154.95
	Gold	6 (1.83)	GR	C7MFG-2506G-ND	15.97	121.03
	Tin	6 (1.83)	GR	C7MFT-2506G-ND	14.05	106.54
	Gold	10 (3.05)	MC	C7MFG-2510M-ND	28.76	218.00
	Tin	10 (3.05)	MC	C7MFT-2510M-ND	26.85	203.51
	Gold	10 (3.05)	GR	C7MFG-2510G-ND	18.11	137.32
	Tin	10 (3.05)	GR	C7MFT-2510G-ND	16.20	122.83
37	Gold	6 (1.83)	MC	C7MFG-3706M-ND	33.82	256.39
	Tin	6 (1.83)	MC	C7MFT-3706M-ND	31.00	234.99
	Gold	6 (1.83)	GR	C7MFG-3706G-ND	23.10	175.08
	Tin	6 (1.83)	GR	C7MFT-3706G-ND	20.27	153.68
	Gold	10 (3.05)	MC	C7MFG-3710M-ND	43.82	332.21
	Tin	10 (3.05)	MC	C7MFT-3710M-ND	41.00	310.82
	Gold	10 (3.05)	GR	C7MFG-3710G-ND	25.95	196.70
	Tin	10 (3.05)	GR	C7MFT-3710G-ND	23.12	175.30

Also available in the following configuration:
C7PS□-□□□□□-ND — With Metal Face Connector.
Call for complete part number and pricing!

CW INDUSTRIES

Socket Connectors

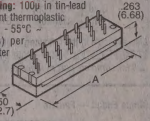


• **Contacts:** Phosphor bronze • **Contact Plating:** 10µ inch gold (in mating area) over 50µ inch nickel or 100µ inch tin-lead • **Insulator Material:** UL 94V-0 flame-retardant thermoplastic • **Strain Relief Strap Material:** Insulated stainless steel • **Color:** Blue • **Operating Temperature:** -55°C ~ 125°C • **Current Rating:** 1A (maximum) per contact • **Dielectric Withstand Voltage:** Greater than 500VDC at sea level • **Insulation Resistance:** Greater than 5x10⁹ Ω • **Withdrawal** force 56.70g ~ 226.79g/contact, typical. • Cover pull-off force 226.79g/contact, minimum (force along contacts' primary axis)

No. of Cont.	Cont. Finish	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	10	100
Socket Connector						
10	Gold	.677 (17.20)	CSC10G-ND	1.12	.85	.65
	Tin	.677 (17.20)	CSC10T-ND	.95	.72	.56
14	Gold	.877 (22.28)	CSC14G-ND	1.56	1.20	.92
	Tin	.877 (22.28)	CSC14T-ND	1.34	1.02	.79
16	Gold	.977 (24.82)	CSC16G-ND	1.83	1.39	1.07
	Tin	.977 (24.82)	CSC16T-ND	1.55	1.18	.91
20	Gold	1.177 (29.90)	CSC20G-ND	1.92	1.46	1.12
	Tin	1.177 (29.90)	CSC20T-ND	1.63	1.24	.95
26	Gold	1.477 (37.52)	CSC26G-ND	2.29	1.74	1.34
	Tin	1.477 (37.52)	CSC26T-ND	1.95	1.48	1.14
34	Gold	1.877 (47.68)	CSC34G-ND	2.82	2.14	1.64
	Tin	1.877 (47.68)	CSC34T-ND	2.40	1.82	1.40
40	Gold	2.177 (55.30)	CSC40G-ND	3.10	2.35	1.80
	Tin	2.177 (55.30)	CSC40T-ND	2.64	2.00	1.53
50	Gold	2.677 (68.00)	CSC50G-ND	3.72	2.82	2.16
	Tin	2.677 (68.00)	CSC50T-ND	3.16	2.40	1.84
60	Gold	3.177 (80.70)	CSC60G-ND	4.33	3.44	2.63
	Tin	3.177 (80.70)	CSC60T-ND	3.85	2.92	2.24
Socket Connector With Strain Relief						
10	Gold	.677 (17.20)	CSR10G-ND	1.36	1.04	.80
	Tin	.677 (17.20)	CSR10T-ND	1.16	.88	.68
14	Gold	.877 (22.28)	CSR14G-ND	1.83	1.39	1.07
	Tin	.877 (22.28)	CSR14T-ND	1.55	1.18	.91
16	Gold	.977 (24.82)	CSR16G-ND	2.05	1.56	1.19
	Tin	.977 (24.82)	CSR16T-ND	1.74	1.32	1.01
20	Gold	1.177 (29.90)	CSR20G-ND	2.14	1.63	1.25
	Tin	1.177 (29.90)	CSR20T-ND	1.82	1.38	1.06
26	Gold	1.477 (37.52)	CSR26G-ND	2.48	1.88	1.44
	Tin	1.477 (37.52)	CSR26T-ND	2.11	1.60	1.23
34	Gold	1.877 (47.68)	CSR34G-ND	3.04	2.31	1.77
	Tin	1.877 (47.68)	CSR34T-ND	2.58	1.96	1.50
40	Gold	2.177 (55.30)	CSR40G-ND	3.29	2.50	1.91
	Tin	2.177 (55.30)	CSR40T-ND	2.79	2.12	1.63
Socket Connector With Strain Relief (Cont.)						
50	Gold	2.677 (68.00)	CSR50G-ND	3.94	2.99	2.29
	Tin	2.677 (68.00)	CSR50T-ND	3.35	2.54	1.95
60	Gold	3.177 (80.70)	CSR60G-ND	4.77	3.62	2.78
	Tin	3.177 (80.70)	CSR60T-ND	4.06	3.08	2.36
Socket Connector With Polarizing Key						
10	Gold	.677 (17.20)	CKC10G-ND	1.12	.85	.65
	Tin	.677 (17.20)	CKC10T-ND	.95	.72	.56
14	Gold	.877 (22.28)	CKC14G-ND	1.58	1.20	.92
	Tin	.877 (22.28)	CKC14T-ND	1.34	1.02	.79
16	Gold	.977 (24.82)	CKC16G-ND	1.83	1.39	1.07
	Tin	.977 (24.82)	CKC16T-ND	1.55	1.18	.91
20	Gold	1.177 (29.90)	CKC20G-ND	1.92	1.46	1.12
	Tin	1.177 (29.90)	CKC20T-ND	1.63	1.24	.95
26	Gold	1.477 (37.52)	CKC26G-ND	1.55	1.18	.90
	Tin	1.477 (37.52)	CKC26T-ND	1.95	1.48	1.14
34	Gold	1.877 (47.68)	CKC34G-ND	2.82	2.14	1.64
	Tin	1.877 (47.68)	CKC34T-ND	2.40	1.82	1.40
40	Gold	2.177 (55.30)	CKC40G-ND	3.10	2.35	1.80
	Tin	2.177 (55.30)	CKC40T-ND	2.64	2.00	1.53
50	Gold	2.677 (68.00)	CKC50G-ND	3.72	2.82	2.16
	Tin	2.677 (68.00)	CKC50T-ND	3.16	2.40	1.84
60	Gold	3.177 (80.70)	CKC60G-ND	4.53	3.44	2.63
	Tin	3.177 (80.70)	CKC60T-ND	3.85	2.92	2.24
Socket Connector w/Polarizing Key and Strain Relief						
10	Gold	.677 (17.20)	CKR10G-ND	1.36	1.04	.80
	Tin	.677 (17.20)	CKR10T-ND	1.16	.88	.68
14	Gold	.877 (22.28)	CKR14G-ND	1.83	1.39	1.07
	Tin	.877 (22.28)	CKR14T-ND	1.55	1.18	.91
16	Gold	.977 (24.82)	CKR16G-ND	2.05	1.56	1.19
	Tin	.977 (24.82)	CKR16T-ND	1.74	1.32	1.01
20	Gold	1.177 (29.90)	CKR20G-ND	2.14	1.63	1.25
	Tin	1.177 (29.90)	CKR20T-ND	1.82	1.38	1.06
26	Gold	1.477 (37.52)	CKR26G-ND	2.48	1.88	1.44
	Tin	1.477 (37.52)	CKR26T-ND	2.11	1.60	1.23

No. of Cont.	Cont. Finish	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	10	100
34	Gold	1.877 (47.68)	CKR34G-ND	3.04	2.31	1.77
	Tin	1.877 (47.68)	CKR34T-ND	2.58	1.96	1.50
40	Gold	2.177 (55.30)	CKR40G-ND	3.29	2.50	1.91
	Tin	2.177 (55.30)	CKR40T-ND	2.79	2.12	1.63
50	Gold	2.677 (68.00)	CKR50G-ND	3.94	2.99	2.29
	Tin	2.677 (68.00)	CKR50T-ND	3.35	2.54	1.95
60	Gold	3.177 (80.70)	CKR60G-ND	4.77	3.62	2.78
	Tin	3.177 (80.70)	CKR60T-ND	4.06	3.08	2.36
Polarizing Key			PK-1-ND	.22/2	.86/10	6.30/100

PCB Connectors

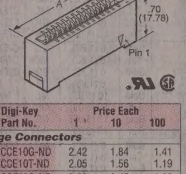


• **Contacts:** Phosphor bronze • **Contact Plating:** 100µ in tin-lead • **Insulator Material:** UL 94V-0 flame-retardant thermoplastic • **Color:** Blue • **Operating Temperature:** -55°C ~ 125°C • **Current Rating:** 1A (maximum) per contact • **Dielectric Withstand Voltage:** Greater than 500VDC at sea level • **Insulation Resistance:** Greater than 5 x 10⁹ Ω. Cover pull-off force, without strain relief, 5.60kg. minimum (force along contacts' primary axis)

No. of Cont.	Cont. Finish	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	10	100
PCB Connectors						
10	Tin	.700 (17.78)	CPC10T-ND	1.24	.94	.72
•20	Tin	1.200 (30.48)	CPC20T-ND	1.46	1.11	.85
26	Tin	1.500 (38.10)	CPC26T-ND	1.86	1.41	1.08
34	Tin	1.900 (48.26)	CPC34T-ND	2.26	1.72	1.32
•40	Tin	2.200 (55.88)	CPC40T-ND	2.60	1.98	1.52
50	Tin	2.700 (68.58)	CPC50T-ND	3.22	2.45	1.88
•60	Tin	3.200 (81.28)	CPC60T-ND	3.72	2.82	2.16

• Full row version. ("Special Center" version shown above.)

Card Edge Connectors

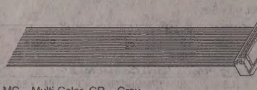


• **Contacts:** Phosphor bronze • **Contact Plating:** 10µ inch gold (in mating area) over 50µ inch nickel or 100µ inch tin-lead • **Insulator Material:** UL 94V-0 flame-retardant thermoplastic • **Color:** Blue • **Operational Temperature:** -55°C ~ 125°C • **Current Rating:** 1 A (maximum) per contact • **Dielectric Withstand Voltage:** Greater than 500Vdc at sea level • **Insulation Resistance:** Greater than 5x10⁹ Ω • Cover pull-off force 226.79g./contact minimum (force along contacts' primary axis)

No. of Cont.	Contact Finish	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	10	100
Card Edge Connectors						
10	Gold	.976 (24.79)	CCE10G-ND	2.42	1.84	1.41
10	Tin	.976 (24.79)	CCE10T-ND	2.05	1.56	1.19
20	Gold	1.476 (37.49)	CCE20G-ND	3.22	2.45	1.88
20	Tin	1.476 (37.49)	CCE20T-ND	2.73	2.07	1.59
26	Gold	1.776 (45.11)	CCE26G-ND	3.88	2.94	2.25
26	Tin	1.776 (45.11)	CCE26T-ND	3.29	2.50	1.91
34	Gold	2.176 (55.27)	CCE34G-ND	4.81	3.65	2.79
34	Tin	2.176 (55.27)	CCE34T-ND	4.09	3.11	2.38
40	Gold	2.476 (62.89)	CCE40G-ND	5.61	4.26	3.26
40	Tin	2.476 (62.89)	CCE40T-ND	4.77	3.62	2.78
50	Gold	2.976 (75.59)	CCE50G-ND	6.32	4.80	3.68
50	Tin	2.976 (75.59)	CCE50T-ND	5.36	4.07	3.12
Polarizing Key			PK-2-ND	.22/2	.86/10	6.30/100

Termination Jumpers

Socket Connector — Single Ended



* MC = Multi-Color, GR = Gray

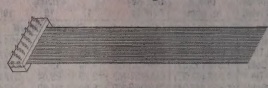
Socket connector without strain relief shown.

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	10
10	Gold	36 (91.44)	MC	C1AXG-1036M-ND	2.90	2.20
	Tin	36 (91.44)	MC	C1AXT-1036M-ND	2.73	2.07
	Gold	36 (91.44)	GR	C1AXG-1036G-ND	1.63	1.24
	Tin	36 (91.44)	GR	C1AXT-1036G-ND	1.46	1.11
14	Gold	36 (91.44)	MC	C1AXG-1436M-ND	4.28	3.25
	Tin	36 (91.44)	MC	C1AXT-1436M-ND	4.04	3.07
	Gold	36 (91.44)	GR	C1AXG-1436G-ND	2.32	1.76
	Tin	36 (91.44)	GR	C1AXT-1436G-ND	2.08	1.58
16	Gold	36 (91.44)	MC	C1AXG-1636M-ND	4.96	3.76
	Tin	36 (91.44)	MC	C1AXT-1636M-ND	4.69	3.56
	Gold	36 (91.44)	GR	C1AXG-1636G-ND	2.64	2.01
	Tin	36 (91.44)	GR	C1AXT-1636G-ND	2.37	1.80
20	Gold	36 (91.44)	MC	C1AXG-2036M-ND	5.74	4.35
	Tin	36 (91.44)	MC	C1AXT-2036M-ND	5.45	4.13
	Gold	36 (91.44)	GR	C1AXG-2036G-ND	3.22	2.45
	Tin	36 (91.44)	GR	C1AXT-2036G-ND	2.94	2.23

No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	10
26	Gold	36 (91.44)	MC	C1AXG-2636M-ND	7.22	5.48
	Tin	36 (91.44)	MC	C1AXT-2636M-ND	6.88	5.22
	Gold	36 (91.44)	GR	C1AXG-2636G-ND	4.00	3.04
	Tin	36 (91.44)	GR	C1AXT-2636G-ND	3.65	2.78
34	Gold	36 (91.44)	MC	C1AXG-3436M-ND	9.27	7.03
	Tin	36 (91.44)	MC	C1AXT-3436M-ND	8.85	6.71
	Gold	36 (91.44)	GR	C1AXG-3436G-ND	4.84	3.67
	Tin	36 (91.44)	GR	C1AXT-3436G-ND	4.41	3.35
40	Gold	36 (91.44)	MC	C1AXG-4036M-ND	10.60	8.04
	Tin	36 (91.44)	MC	C1AXT-4036M-ND	10.14	7.69
	Gold	36 (91.44)	GR	C1AXG-4036G-ND	5.30	4.02
	Tin	36 (91.44)	GR	C1AXT-4036G-ND	4.84	3.67
50	Gold	36 (91.44)	MC	C1AXG-5036M-ND	12.48	9.46
	Tin	36 (91.44)	MC	C1AXT-5036M-ND	11.92	9.04
	Gold	36 (91.44)	GR	C1AXG-5036G-ND	6.39	4.85
	Tin	36 (91.44)	GR	C1AXT-5036G-ND	5.83	4.42
60	Gold	36 (91.44)	MC	C1AXG-6036M-ND	15.03	11.40
	Tin	36 (91.44)	MC	C1AXT-6036M-ND	14.35	10.88
	Gold	36 (91.44)	GR	C1AXG-6036G-ND	7.56	5.74
	Tin	36 (91.44)	GR	C1AXT-6036G-ND	6.89	5.22

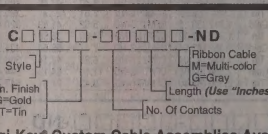
Also available in the following versions:
C1BX□□□□□-ND – Socket Connector with Strain Relief
C1CX□□□□□-ND – Socket Connector with Central Polarizing Key.
C1DX□□□□□-ND – Socket Connector w. Strain Relief & Central Polarizing Key.
Call for complete part number and pricing!

PCB Connector – Single Ended



* MC = Multi-Color, GR = Gray PCB connector without strain relief.

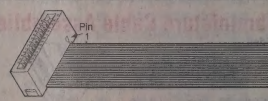
No. of Contacts	Conn. Finish	Length Inch (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	10
10	Tin	36 (91.44)	MC	C1PXT-1036M-ND	3.02	2.29
	Tin	36 (91.44)	GR	C1PXT-1036G-ND	1.76	1.34
20	Tin	36 (91.44)	MC	C1PXT-2036M-ND	5.27	4.00
	Tin	36 (91.44)	GR	C1PXT-2036G-ND	2.76	2.10
26	Tin	36 (91.44)	MC	C1PXT-2636M-ND	6.79	5.15
	Tin	36 (91.44)	GR	C1PXT-2636G-ND	3.57	2.71
34	Tin	36 (91.44)	MC	C1PXT-3436M-ND	8.71	6.61
	Tin	36 (91.44)	GR	C1PXT-3436G-ND	4.28	3.25
40	Tin	36 (91.44)	MC	C1PXT-4036M-ND	10.11	7.67
	Tin	36 (91.44)	GR	C1PXT-4036G-ND	4.81	3.65
50	Tin	36 (91.44)	MC	C1PXT-5036M-ND	11.98	9.09
	Tin	36 (91.44)	GR	C1PXT-5036G-ND	5.89	4.47
60	Tin	36 (91.44)	MC	C1PXT-6036M-ND	11.74	8.91
	Tin	36 (91.44)	GR	C1PXT-6036G-ND	4.28	3.25



Digi-Key® Custom Cable Assemblies Available

Call Digi-Key

Card Edge Connector – Single Ended



* MC = Multi-Color, GR = Gray

Card Edge connector without strain relief shown.

No. of Contacts	Conn. Finish	Length In. (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	10
10	Gold	36 (91.44)	MC	C1EXG-1036M-ND	4.20	3.19
	Tin	36 (91.44)	MC	C1EXT-1036M-ND	3.84	2.91
	Gold	36 (91.44)	GR	C1EXG-1036G-ND	2.93	2.23
	Tin	36 (91.44)	GR	C1EXT-1036G-ND	2.57	1.95
20	Gold	36 (91.44)	MC	C1EXG-2036M-ND	7.04	5.34
	Tin	36 (91.44)	MC	C1EXT-2036M-ND	6.55	4.97
	Gold	36 (91.44)	GR	C1EXG-2036G-ND	4.53	3.44
	Tin	36 (91.44)	GR	C1EXT-2036G-ND	4.04	3.07
26	Gold	36 (91.44)	MC	C1EXG-2636M-ND	8.80	6.68
	Tin	36 (91.44)	MC	C1EXT-2636M-ND	8.22	6.24
	Gold	36 (91.44)	GR	C1EXG-2636G-ND	5.58	4.23
	Tin	36 (91.44)	GR	C1EXT-2636G-ND	5.00	3.79

(Continued)

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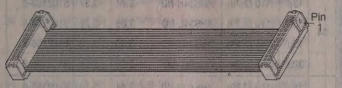
Termination Jumpers

Card Edge Connector – Single Ended *(Cont.)*

No. of Contacts	Conn. Finish	Length in. (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	Price Each 10
34	Gold	36 (91.44)	MC	C1EXG-3436M-ND	11.25	8.54
	Tin	36 (91.44)	MC	C1EXT-3436M-ND	10.53	7.99
	Gold	36 (91.44)	GR	C1EXG-3436G-ND	6.82	5.17
	Tin	36 (91.44)	GR	C1EXT-3436G-ND	6.10	4.63
40	Gold	36 (91.44)	MC	C1EXG-4036M-ND	13.11	9.95
	Tin	36 (91.44)	MC	C1EXT-4036M-ND	12.27	9.31
	Gold	36 (91.44)	GR	C1EXG-4036G-ND	7.81	5.93
	Tin	36 (91.44)	GR	C1EXT-4036G-ND	6.97	5.29
50	Gold	36 (91.44)	MC	C1EXG-5036M-ND	15.08	11.44
	Tin	36 (91.44)	MC	C1EXT-5036M-ND	14.13	10.72
	Gold	36 (91.44)	GR	C1EXG-5036G-ND	8.99	6.82
	Tin	36 (91.44)	GR	C1EXT-5036G-ND	8.04	6.10

Socket Connector to Socket Connector



* MC = Multi-Color, GR = Gray

Socket connector without strain relief shown.

No. of Contacts	Conn. Finish	Length in. (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	Price Each 10
10	Gold	6 (15.24)	MC	C3AAG-1006M-ND	2.53	1.92
	Tin	6 (15.24)	MC	C3AAT-1006M-ND	2.19	1.67
	Gold	6 (15.24)	GR	C3AAG-1006G-ND	2.32	1.76
	Tin	6 (15.24)	GR	C3AAT-1006G-ND	1.98	1.51
	Gold	18 (45.72)	MC	C3AAG-1018M-ND	3.12	2.37
	Tin	18 (45.72)	MC	C3AAT-1018M-ND	2.79	2.12
	Gold	18 (45.72)	GR	C3AAG-1018G-ND	2.49	1.89
	Tin	18 (45.72)	GR	C3AAT-1018G-ND	2.15	1.64
	Gold	36 (91.44)	MC	C3AAG-1036M-ND	4.01	3.05
	Tin	36 (91.44)	MC	C3AAT-1036M-ND	3.68	2.79
	Gold	36 (91.44)	GR	C3AAG-1036G-ND	2.75	2.09
	Tin	36 (91.44)	GR	C3AAT-1036G-ND	2.41	1.83
14	Gold	6 (15.24)	MC	C3AAG-1406M-ND	3.61	2.74
	Tin	6 (15.24)	MC	C3AAT-1406M-ND	3.14	2.38
	Gold	6 (15.24)	GR	C3AAG-1406G-ND	3.28	2.49
	Tin	6 (15.24)	GR	C3AAT-1406G-ND	2.81	2.14
	Gold	18 (45.72)	MC	C3AAG-1418M-ND	4.51	3.42
	Tin	18 (45.72)	MC	C3AAT-1418M-ND	4.04	3.06
	Gold	18 (45.72)	GR	C3AAG-1418G-ND	3.53	2.68
	Tin	18 (45.72)	GR	C3AAT-1418G-ND	3.06	2.32
	Gold	36 (91.44)	MC	C3AAG-1436M-ND	5.86	4.45
	Tin	36 (91.44)	MC	C3AAT-1436M-ND	5.38	4.09
	Gold	36 (91.44)	GR	C3AAG-1436G-ND	3.90	2.96
	Tin	36 (91.44)	GR	C3AAT-1436G-ND	3.42	2.60
16	Gold	6 (15.24)	MC	C3AAG-1606M-ND	4.18	3.17
	Tin	6 (15.24)	MC	C3AAT-1606M-ND	3.63	2.76
	Gold	6 (15.24)	GR	C3AAG-1606G-ND	3.79	2.88
	Tin	6 (15.24)	GR	C3AAT-1606G-ND	3.24	2.46
	Gold	18 (45.72)	MC	C3AAG-1618M-ND	5.22	3.96
	Tin	18 (45.72)	MC	C3AAT-1618M-ND	4.67	3.55
	Gold	18 (45.72)	GR	C3AAG-1618G-ND	4.07	3.09
	Tin	18 (45.72)	GR	C3AAT-1618G-ND	3.52	2.67
	Gold	36 (91.44)	MC	C3AAG-1636M-ND	6.79	5.15
	Tin	36 (91.44)	MC	C3AAT-1636M-ND	6.24	4.74
	Gold	36 (91.44)	GR	C3AAG-1636G-ND	4.47	3.39
	Tin	36 (91.44)	GR	C3AAT-1636G-ND	3.92	2.98
20	Gold	6 (15.24)	MC	C3AAG-2006M-ND	4.48	3.40
	Tin	6 (15.24)	MC	C3AAT-2006M-ND	3.90	2.96
	Gold	6 (15.24)	GR	C3AAG-2006G-ND	4.06	3.08
	Tin	6 (15.24)	GR	C3AAT-2006G-ND	3.48	2.65
	Gold	18 (45.72)	MC	C3AAG-2018M-ND	5.75	4.36
	Tin	18 (45.72)	MC	C3AAT-2018M-ND	5.17	3.93
	Gold	18 (45.72)	GR	C3AAG-2018G-ND	4.50	3.41
	Tin	18 (45.72)	GR	C3AAT-2018G-ND	3.92	2.97
	Gold	36 (91.44)	MC	C3AAG-2036M-ND	7.66	5.81
	Tin	36 (91.44)	MC	C3AAT-2036M-ND	7.08	5.37
	Gold	36 (91.44)	GR	C3AAG-2036G-ND	5.15	3.91
	Tin	36 (91.44)	GR	C3AAT-2036G-ND	4.57	3.47
26	Gold	6 (15.24)	MC	C3AAG-2606M-ND	5.41	4.11
	Tin	6 (15.24)	MC	C3AAT-2606M-ND	4.72	3.58
	Gold	6 (15.24)	GR	C3AAG-2606G-ND	4.87	3.70
	Tin	6 (15.24)	GR	C3AAT-2606G-ND	4.18	3.18
	Gold	18 (45.72)	MC	C3AAG-2618M-ND	7.05	5.35
	Tin	18 (45.72)	MC	C3AAT-2618M-ND	6.36	4.83
	Gold	18 (45.72)	GR	C3AAG-2618G-ND	5.44	4.13
	Tin	18 (45.72)	GR	C3AAT-2618G-ND	4.75	3.61
	Gold	36 (91.44)	MC	C3AAG-2636M-ND	9.52	7.22
	Tin	36 (91.44)	MC	C3AAT-2636M-ND	8.83	6.70
	Gold	36 (91.44)	GR	C3AAG-2636G-ND	6.29	4.78
	Tin	36 (91.44)	GR	C3AAT-2636G-ND	5.60	4.25
34	Gold	6 (15.24)	MC	C3AAG-3406M-ND	6.72	5.10
	Tin	6 (15.24)	MC	C3AAT-3406M-ND	5.87	4.45
	Gold	6 (15.24)	GR	C3AAG-3406G-ND	5.98	4.54
	Tin	6 (15.24)	GR	C3AAT-3406G-ND	5.13	3.89
	Gold	18 (45.72)	MC	C3AAG-3418M-ND	8.87	6.73
	Tin	18 (45.72)	MC	C3AAT-3418M-ND	8.02	6.08
	Gold	18 (45.72)	GR	C3AAG-3418G-ND	6.65	5.05
	Tin	18 (45.72)	GR	C3AAT-3418G-ND	5.80	4.40
	Gold	36 (91.44)	MC	C3AAG-3436M-ND	12.09	9.17
	Tin	36 (91.44)	MC	C3AAT-3436M-ND	11.24	8.53
	Gold	36 (91.44)	GR	C3AAG-3436G-ND	7.66	5.81
	Tin	36 (91.44)	GR	C3AAT-3436G-ND	6.81	5.17
40	Gold	6 (15.24)	MC	C3AAG-4006M-ND	7.45	5.65
	Tin	6 (15.24)	MC	C3AAT-4006M-ND	6.52	4.95
	Gold	6 (15.24)	GR	C3AAG-4006G-ND	6.57	4.98
	Tin	6 (15.24)	GR	C3AAT-4006G-ND	5.64	4.28
	Gold	18 (45.72)	MC	C3AAG-4018M-ND	9.95	7.55
	Tin	18 (45.72)	MC	C3AAT-4018M-ND	9.02	6.84
	Gold	18 (45.72)	GR	C3AAG-4018G-ND	7.30	5.54
	Tin	18 (45.72)	GR	C3AAT-4018G-ND	6.37	4.83
	Gold	36 (91.44)	MC	C3AAG-4036M-ND	13.70	10.39
	Tin	36 (91.44)	MC	C3AAT-4036M-ND	12.77	9.69
	Gold	36 (91.44)	GR	C3AAG-4036G-ND	8.40	6.37
	Tin	36 (91.44)	GR	C3AAT-4036G-ND	7.47	5.67
50	Gold	6 (15.24)	MC	C3AAG-5006M-ND	8.90	6.75
	Tin	6 (15.24)	MC	C3AAT-5006M-ND	7.78	5.90
	Gold	6 (15.24)	GR	C3AAG-5006G-ND	7.88	5.98
	Tin	6 (15.24)	GR	C3AAT-5006G-ND	6.77	5.14
	Gold	18 (45.72)	MC	C3AAG-5018M-ND	11.82	8.96
	Tin	18 (45.72)	MC	C3AAT-5018M-ND	10.70	8.12
	Gold	18 (45.72)	GR	C3AAG-5018G-ND	8.77	6.66
	Tin	18 (45.72)	GR	C3AAT-5018G-ND	7.66	5.81
	Gold	36 (91.44)	MC	C3AAG-5036M-ND	16.20	12.28
	Tin	36 (91.44)	MC	C3AAT-5036M-ND	15.08	11.44
	Gold	36 (91.44)	GR	C3AAG-5036G-ND	10.11	7.67
	Tin	36 (91.44)	GR	C3AAT-5036G-ND	8.99	6.82
60	Gold	6 (15.24)	MC	C3AAG-6006M-ND	10.80	8.19
	Tin	6 (15.24)	MC	C3AAT-6006M-ND	9.44	7.16
	Gold	6 (15.24)	GR	C3AAG-6006G-ND	9.56	7.25
	Tin	6 (15.24)	GR	C3AAT-6006G-ND	8.20	6.22
	Gold	18 (45.72)	MC	C3AAG-6018M-ND	14.30	10.85
	Tin	18 (45.72)	MC	C3AAT-6018M-ND	12.94	9.82
	Gold	18 (45.72)	GR	C3AAG-6018G-ND	10.57	8.02
	Tin	18 (45.72)	GR	C3AAT-6018G-ND	9.21	6.99
	Gold	36 (91.44)	MC	C3AAG-6036M-ND	19.55	14.83
	Tin	36 (91.44)	MC	C3AAT-6036M-ND	18.20	13.80
	Gold	36 (91.44)	GR	C3AAG-6036G-ND	12.09	9.17
	Tin	36 (91.44)	GR	C3AAT-6036G-ND	10.73	8.14

Also available in the following versions:

C3BD□-□□□□□-ND — Socket Connector with Strain Relief

C3CD□-□□□□□-ND — Socket Connector with Central Polarizing Key.

C3DD□-□□□□□-ND — Socket Connector with Strain Relief & Central Polarizing Key.

Call for complete part number and pricing!

C□□□□-□□□□□-ND

- Ribbon Cable M=Multi-color G=Gray
- Style
- Length *(Use "Inches" only.)*
- Conn. Finish G=Gold T=Tin
- No. Of Contacts

Digi-Key® Custom Cable Assemblies Available

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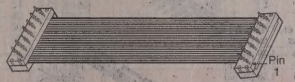
PCB Connector to PCB Connector

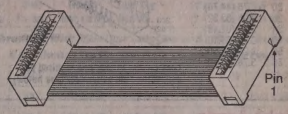


* MC = Multi-Color, GR = Gray

PCB connector without strain relief shown.

No. of Contacts	Conn. Finish	Length in. (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	Price Each 10
10	Tin	6 (15.24)	MC	C3PPT-1006M-ND	2.78	2.11
	Tin	6 (15.24)	GR	C3PPT-1006G-ND	2.57	1.95
	Tin	18 (45.72)	MC	C3PPT-1018M-ND	3.37	2.56
	Tin	18 (45.72)	GR	C3PPT-1018G-ND	2.74	2.08
	Tin	36 (91.44)	MC	C3PPT-1036M-ND	4.26	3.23
	Tin	36 (91.44)	GR	C3PPT-1036G-ND	3.00	2.28
20	Tin	6 (15.24)	MC	C3PPT-2006M-ND	3.55	2.70
	Tin	6 (15.24)	GR	C3PPT-2006G-ND	3.13	2.38
	Tin	18 (45.72)	MC	C3PPT-2018M-ND	4.82	3.66
	Tin	18 (45.72)	GR	C3PPT-2018G-ND	3.57	2.71
	Tin	36 (91.44)	MC	C3PPT-2036M-ND	6.73	5.10
	Tin	36 (91.44)	GR	C3PPT-2036G-ND	4.22	3.20
26	Tin	6 (15.24)	MC	C3PPT-2606M-ND	4.54	3.45
	Tin	6 (15.24)	GR	C3PPT-2606G-ND	4.00	3.04
	Tin	18 (45.72)	MC	C3PPT-2618M-ND	6.18	4.69
	Tin	18 (45.72)	GR	C3PPT-2618G-ND	4.57	3.47
	Tin	36 (91.44)	MC	C3PPT-2636M-ND	8.65	6.56
	Tin	36 (91.44)	GR	C3PPT-2636G-ND	5.43	4.12
34	Tin	6 (15.24)	MC	C3PPT-3406M-ND	5.60	4.25
	Tin	6 (15.24)	GR	C3PPT-3406G-ND	4.86	3.69
	Tin	18 (45.72)	MC	C3PPT-3418M-ND	7.75	5.88
	Tin	18 (45.72)	GR	C3PPTa-3418G-ND	5.53	4.20
	Tin	36 (91.44)	MC	C3PPT-3436M-ND	10.97	8.32
	Tin	36 (91.44)	GR	C3PPT-3436G-ND	6.54	4.96
40	Tin	6 (15.24)	MC	C3PPT-4006M-ND	6.46	4.90
	Tin	6 (15.24)	GR	C3PPT-4006G-ND	5.57	4.23
	Tin	18 (45.72)	MC	C3PPT-4018M-ND	8.96	6.80
	Tin	18 (45.72)	GR	C3PPT-4018G-ND	6.31	4.79
	Tin	36 (91.44)	MC	C3PPT-4036M-ND	12.71	9.64
	Tin	36 (91.44)	GR	C3PPT-4036G-ND	7.41	5.62
50	Tin	6 (15.24)	MC	C3PPT-5006M-ND	7.91	6.00
	Tin	6 (15.24)	GR	C3PPT-5006G-ND	6.89	5.23
	Tin	18 (45.72)	MC	C3PPT-5018M-ND	10.83	8.21
	Tin	18 (45.72)	GR	C3PPT-5018G-ND	7.78	5.90
	Tin	36 (91.44)	MC	C3PPT-5036M-ND	15.21	11.53
	Tin	36 (91.44)	GR	C3PPT-5036G-ND	9.11	6.91
60	Tin	6 (15.24)	MC	C3PPT-6006M-ND	9.19	6.97
	Tin	6 (15.24)	GR	C3PPT-6006G-ND	7.95	6.03
	Tin	18 (45.72)	MC	C3PPT-6018M-ND	12.69	9.62
	Tin	18 (45.72)	GR	C3PPT-6018G-ND	8.96	6.80
	Tin	36 (91.44)	MC	C3PPT-6036M-ND	17.94	13.61
	Tin	36 (91.44)	GR	C3PPT-6036G-ND	10.48	7.95

Card Edge to Card Edge



* MC = Multi-Color, GR = Gray

Card Edge connector without strain relief shown.

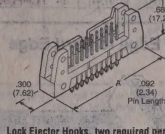
No. of Contacts	Conn. Finish	Length in. (cm)	Ribbon* Cable	Digi-Key Part No.	Price Each 1	Price Each 10
10	Gold	6 (15.24)	MC	C3EEG-1006M-ND	5.13	3.90
	Tin	6 (15.24)	MC	C3EET-1006M-ND	4.41	3.35
	Gold	6 (15.24)	GR	C3EEG-1006G-ND	4.92	3.74
	Tin	6 (15.24)	GR	C3EET-1006G-ND	4.20	3.19
	Gold	18 (45.72)	MC	C3EEG-1018M-ND	5.73	4.35
	Tin	18 (45.72)	MC	C3EET-1018M-ND	5.00	3.80
	Gold	18 (45.72)	GR	C3EEG-1018G-ND	5.09	3.87
	Tin	18 (45.72)	GR	C3EET-1018G-ND	4.37	3.32
	Gold	36 (91.44)	MC	C3EEG-1036M-ND	6.62	5.02
	Tin	36 (91.44)	MC	C3EET-1036M-ND	5.89	4.47
	Gold	36 (91.44)	GR	C3EEG-1036G-ND	5.35	4.06
	Tin	36 (91.44)	GR	C3EET-1036G-ND	4.63	3.51
20	Gold	6 (15.24)	MC	C3EEG-2006M-ND	7.08	5.37
	Tin	6 (15.24)	MC	C3EET-2006M-ND	6.12	4.64
	Gold	6 (15.24)	GR	C3EEG-2006G-ND	6.67	5.06
	Tin	6 (15.24)	GR	C3EET-2006G-ND	5.70	4.32
	Gold	18 (45.72)	MC	C3EEG-2018M-ND	8.35	6.34
	Tin	18 (45.72)	MC	C3EET-2018M-ND	7.39	5.60
	Gold	18 (45.72)	GR	C3EEG-2018G-ND	7.10	5.39
	Tin	18 (45.72)	GR	C3EET-2018G-ND	6.13	4.65
	Gold	36 (91.44)	MC	C3EEG-2036M-ND	10.26	7.78
	Tin	36 (91.44)	MC	C3EET-2036M-ND	9.29	7.05
	Gold	36 (91.44)	GR	C3EEG-2036G-ND	7.75	5.88
	Tin	36 (91.44)	GR	C3EET-2036G-ND	6.78	5.15
26	Gold	6 (15.24)	MC	C3EEG-2606M-ND	8.57	6.50
	Tin	6 (15.24)	MC	C3EET-2606M-ND	7.41	5.62
	Gold	6 (15.24)	GR	C3EEG-2606G-ND	8.03	6.09
	Tin	6 (15.24)	GR	C3EET-2606G-ND	6.87	5.21
	Gold	18 (45.72)	MC	C3EEG-2618M-ND	10.21	7.75
	Tin	18 (45.72)	MC	C3EET-2618M-ND	9.05	6.87
	Gold	18 (45.72)	GR	C3EEG-2618G-ND	8.60	6.53
	Tin	18 (45.72)	GR	C3EET-2618G-ND	7.44	5.64
	Gold	36 (91.44)	MC	C3EEG-2636M-ND	12.68	9.62
	Tin	36 (91.44)	MC	C3EET-2636M-ND	11.52	8.73
	Gold	36 (91.44)	GR	C3EEG-2636G-ND	9.46	7.17
	Tin	36 (91.44)	GR	C3EET-2636G-ND	8.29	6.29
34	Gold	6 (15.24)	MC	C3EEG-3406M-ND	10.68	8.10
	Tin	6 (15.24)	MC	C3EET-3406M-ND	9.24	7.01
	Gold	6 (15.24)	GR	C3EEG-3406G-ND	9.95	7.54
	Tin	6 (15.24)	GR	C3EET-3406G-ND	8.50	6.45
	Gold	18 (45.72)	MC	C3EEG-3418M-ND	12.83	9.73
	Tin	18 (45.72)	MC	C3EET-3418M-ND	11.39	8.64
	Gold	18 (45.72)	GR	C3EEG-3418G-ND	10.62	8.05
	Tin	18 (45.72)	GR	C3EET-3418G-ND	9.18	6.96
	Gold	36 (91.44)	MC	C3EEG-3436M-ND	16.06	12.18
	Tin	36 (91.44)	MC	C3EET-3436M-ND	14.62	11.08
	Gold	36 (91.44)	GR	C3EEG-3436G-ND	11.63	8.82
	Tin	36 (91.44)	GR	C3EET-3436G-ND	10.18	7.72
40	Gold	6 (15.24)	MC	C3EEG-4006M-ND	12.47	9.46
	Tin	6 (15.24)	MC	C3EET-4006M-ND	10.79	8.18
	Gold	6 (15.24)	GR	C3EEG-4006G-ND	11.59	8.79
	Tin	6 (15.24)	GR	C3EET-4006G-ND	9.91	7.51
	Gold	18 (45.72)	MC	C3EEG-4018M-ND	14.97	11.36
	Tin	18 (45.72)	MC	C3EET-4018M-ND	13.29	10.08
	Gold	18 (45.72)	GR	C3EEG-4018G-ND	12.32	9.35
	Tin	18 (45.72)	GR	C3EET-4018G-ND	10.64	8.07
	Gold	36 (91.44)	MC	C3EEG-4036M-ND	18.72	14.20
	Tin	36 (91.44)	MC	C3EET-4036M-ND	17.04	12.92
	Gold	36 (91.44)	GR	C3EEG-4036G-ND	13.42	10.18
	Tin	36 (91.44)	GR	C3EET-4036G-ND	11.74	8.90
50	Gold	6 (15.24)	MC	C3EEG-5006M-ND	14.11	10.70
	Tin	6 (15.24)	MC	C3EET-5006M-ND	12.21	9.26
	Gold	6 (15.24)	GR	C3EEG-5006G-ND	13.09	9.93
	Tin	6 (15.24)	GR	C3EET-5006G-ND	11.20	8.49
	Gold	18 (45.72)	MC	C3EEG-5018M-ND	17.03	12.91
	Tin	18 (45.72)	MC	C3EET-5018M-ND	15.13	11.47
	Gold	18 (45.72)	GR	C3EEG-5018G-ND	13.98	10.60
	Tin	18 (45.72)	GR	C3EET-5018G-ND	12.08	9.16
	Gold	36 (91.44)	MC	C3EEG-5036M-ND	21.41	16.23
	Tin	36 (91.44)	MC	C3EET-5036M-ND	19.51	14.79
	Gold	36 (91.44)	GR	C3EEG-5036G-ND	15.31	11.61
	Tin	36 (91.44)	GR	C3EET-5036G-ND	13.42	10.18

CW INDUSTRIES

Protected Headers

Straight-Lead

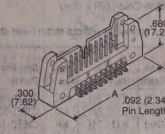
No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
26	2.06 (52.32)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)



Lock Ejector Hooks, two required per connector, sold separately (see below).

Right-Angle

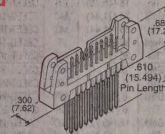
No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
26	2.06 (52.32)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)



Lock Ejector Hooks, two required per connector, sold separately (see below).

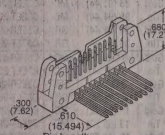
Straight-Lead Wire Wrap

Lock Ejector Hooks, two required per connector, sold separately (see below)



Right-Angle Wire Wrap

Lock Ejector Hooks, two required per connector, sold separately (see below)



SPECIFICATIONS:

- **Contacts:** Phosphor bronze, standard
- **Contact Plating:** 10µ inch gold (in mating area) over 50µ inch nickel
- **Insulator Material:** UL 94V-0 flame-retardant thermoplastic
- **Color:** Blue
- **Operating Temperature:** -55°C ~ 125°C
- **Current Rating:** 1A (maximum) per contact
- **Dielectric Withstand Voltage:** greater than 500VDC at sea level
- **Insulation Resistance:** greater than $5 \times 10^8\ \Omega$
- U.S. Defense Department Mil-C-83503/20, 21, approved

No. of Contacts	Description	Digi-Key Part No.	1	Price Each 10	100	1,000
Protected Headers - Gold Finish						
10	Straight-Lead	CHS10G-ND	.99	.76	.58	.42
	Right-Angle	CHR10G-ND	.99	.76	.58	.42
	Straight-Lead WW	CHW10G-ND	2.08	1.58	1.21	.88
	Right-Angle WW	CHA10G-ND	2.08	1.58	1.21	.88
14	Straight-Lead	CHS14G-ND	1.30	.99	.76	.55
	Right-Angle	CHR14G-ND	1.30	.99	.76	.55
	Straight-Lead WW	CHW14G-ND	2.64	2.00	1.53	1.11
	Right-Angle WW	CHA14G-ND	2.64	2.00	1.53	1.11
16	Straight-Lead	CHS16G-ND	1.46	1.11	.85	.62
	Right-Angle	CHR16G-ND	1.46	1.11	.85	.62
	Straight-Lead WW	CHW16G-ND	2.98	2.26	1.73	1.25
	Right-Angle WW	CHA16G-ND	2.98	2.26	1.73	1.25
20	Straight-Lead	CHS20G-ND	1.52	1.16	.89	.64
	Right-Angle	CHR20G-ND	1.52	1.16	.89	.64
	Straight-Lead WW	CHW20G-ND	3.10	2.35	1.80	1.30
	Right-Angle WW	CHA20G-ND	3.10	2.35	1.80	1.30
26	Straight-Lead	CHS26G-ND	1.86	1.41	1.08	.78
	Right-Angle	CHR26G-ND	1.86	1.41	1.08	.78
	Straight-Lead WW	CHW26G-ND	3.72	2.82	2.16	1.56
	Right-Angle WW	CHA26G-ND	3.72	2.82	2.16	1.56
34	Straight-Lead	CHS34G-ND	2.23	1.70	1.30	.94
	Right-Angle	CHR34G-ND	2.23	1.70	1.30	.94
	Straight-Lead WW	CHW34G-ND	4.46	3.39	2.60	1.88
	Right-Angle WW	CHA34G-ND	4.46	3.39	2.60	1.88
40	Straight-Lead	CHS40G-ND	2.73	2.07	1.59	1.15
	Right-Angle	CHR40G-ND	2.73	2.07	1.59	1.15
	Straight-Lead WW	CHW40G-ND	5.43	4.12	3.15	2.28
	Right-Angle WW	CHA40G-ND	5.43	4.12	3.15	2.28
50	Straight-Lead	CHS50G-ND	3.04	2.31	1.77	1.28
	Right-Angle	CHR50G-ND	3.04	2.31	1.77	1.28
	Straight-Lead WW	CHW50G-ND	6.11	4.63	3.55	2.57
	Right-Angle WW	CHA50G-ND	6.11	4.63	3.55	2.57
60	Straight-Lead ST* (Shrouded)	CHB60G-ND	5.08	3.86	2.96	2.14
	Straight-Lead WW* (Shrouded)	CHC60G-ND	5.08	3.86	2.96	2.14
	Right-Angle ST* (Shrouded)	CHD60G-ND	3.72	2.82	2.16	1.56
	Right-Angle WW* (Shrouded)	CHE60G-ND	5.08	3.86	2.96	2.14
CLKS01-ND Lock Ejector Hooks-Short (2 required per connector) . . . $.2/2						
CLKS02-ND Lock Ejector Hooks: Long - with strain relief; (2 required per connector) . . . . . $.2/2						

* Lock ejector hooks included

tyco Electronics AMP

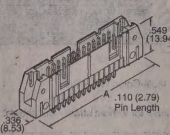
Protected Headers

Specifications:

- Connectors recognized under component program of Under-writers Laboratories Inc. File No. E28476
- Connectors certified by Canadian Standards Association File No. LR16455
- .025" (.64mm) Sq. Posts, .240" (6.10mm) Mating Post Length
- Material and Finish: Housing and Latches — Black thermo-plastic, 94V-0 rated
- Contact Finish: 15µ or 30µ gold on post/pin mating end, .000100-.000200 bright tin-lead on termination end, with entire contact underplated .000050 nickel

Straight-Lead

No. of Pins	Dim. A In. (mm)
10	1.26 (32.00)
14	1.46 (37.08)
16	1.56 (39.62)
20	1.76 (44.70)
24	1.96 (49.78)
26	2.06 (52.32)
30	2.26 (57.40)
34	2.46 (62.48)
40	2.76 (70.10)
50	3.26 (82.80)
60	3.76 (95.50)
64	3.96 (100.58)



Lock Ejector Hooks, two required per connector, sold separately (see below).

No. of Contacts	Cont. Plat.	Post Length Inch (mm)	Digi-Key Part No.	Price Each 1	10	AMP Part No.
Pin Header Without Latches						
14	15µ"	.155 (3.94)	AHJ14G-ND	1.72	1.43	102155-2
20	30µ"	.155 (3.94)	AHJ20K-ND	4.14	3.73	102156-4
30	15µ"	.110 (2.79)	AHS30G-ND	4.96	4.47	102153-7
40	30µ"	.110 (2.79)	AHS40K-ND	4.61	4.15	102154-9
64	30µ"	.155 (3.94)	AHJ64K-ND	6.75	6.08	1-102156-2
Pin Header Without Latches RoHS Compliant						
10	15µ"	.110 (2.79)	AHS10H-ND	.95	.86	5102153-1
	30µ"	.110 (2.79)	AHS10L-ND	1.32	1.20	5102154-1
	15µ"	.155 (3.94)	AHJ10H-ND	1.32	1.20	5102155-1
14	15µ"	.110 (2.79)	AHS14H-ND	1.60	1.45	5102153-2
	30µ"	.110 (2.79)	AHS14L-ND	1.71	1.54	5102154-2
16	15µ"	.110 (2.79)	AHS16H-ND	1.82	1.65	5102153-3
	30µ"	.110 (2.79)	AHS16L-ND	2.10	1.89	5102154-3
	15µ"	.155 (3.94)	AHJ16H-ND	2.10	1.89	5102155-3
	30µ"	.155 (3.94)	AHJ16L-ND◆	3.11	2.59	5102156-3
20	15µ"	.110 (2.79)	AHS20H-ND	2.26	2.04	5102153-4
	30µ"	.110 (2.79)	AHS20L-ND	2.48	2.24	5102154-4
	30µ"	.155 (3.94)	AHJ20L-ND	3.75	3.38	5102156-4
24	15µ"	.110 (2.79)	AHS24H-ND	2.65	2.39	5102153-5
	30µ"	.110 (2.79)	AHS24L-ND	2.93	2.64	5102154-5
	30µ"	.155 (3.94)	AHJ24L-ND	3.20	2.89	5102156-5
26	15µ"	.110 (2.79)	AHS26H-ND	2.87	2.59	5102153-6
	30µ"	.110 (2.79)	AHS26L-ND	3.04	2.74	5102154-6
	15µ"	.155 (3.94)	AHJ26H-ND	3.49	3.15	5102155-6
	30µ"	.155 (3.94)	AHJ26L-ND	3.31	2.99	5102156-6
30	15µ"	.110 (2.79)	AHS30H-ND	3.72	3.35	5102153-7
	30µ"	.110 (2.79)	AHS30L-ND	4.35	3.92	5102154-7
34	15µ"	.110 (2.79)	AHS34H-ND	3.74	3.37	5102153-8
	30µ"	.110 (2.79)	AHS34L-ND	3.08	2.78	5102154-8
	15µ"	.155 (3.94)	AHJ34H-ND	3.08	2.78	5102155-8
	30µ"	.155 (3.94)	AHJ34L-ND	3.26	2.94	5102156-8
40	15µ"	.110 (2.79)	AHS40H-ND	3.44	3.10	5102153-9
	30µ"	.110 (2.79)	AHS40L-ND	3.53	3.18	5102154-9
	15µ"	.155 (3.94)	AHJ40H-ND	4.06	3.66	5102155-9
	30µ"	.155 (3.94)	AHJ40L-ND	3.76	3.39	5102156-9
50	15µ"	.110 (2.79)	AHS50H-ND	4.97	4.48	1-5102153-0
	30µ"	.110 (2.79)	AHS50L-ND	5.08	4.57	1-5102154-0
	15µ"	.155 (3.94)	AHJ50H-ND	5.84	5.26	1-5102155-0
	30µ"	.155 (3.94)	AHJ50L-ND	5.55	5.00	1-5102156-0
60	30µ"	.110 (2.79)	AHS60L-ND	5.88	5.30	1-5102154-1
	30µ"	.155 (3.94)	AHJ60L-ND	7.08	6.38	1-5102156-1
64	15µ"	.110 (2.79)	AHS64H-ND	6.54	5.89	1-5102153-2
	30µ"	.110 (2.79)	AHS64L-ND	6.03	5.43	1-5102154-2
	15µ"	.155 (3.94)	AHJ64H-ND	9.24	8.32	1-5102155-2
	30µ"	.155 (3.94)	AHJ64L-ND	6.30	5.67	1-5102156-2
Pin Header With ACTION PIN Contacts						
26	30µ"	.174 (4.42)	AHA26A-ND	5.08	4.58	499582-6
30	30µ"	.174 (4.42)	AHA30A-ND	5.73	5.16	499582-7
34	30µ"	.174 (4.42)	AHA34A-ND	6.21	5.59	499582-8
64	30µ"	.174 (4.42)	AHA64A-ND	10.47	9.43	1-499582-2
Pin Header With ACTION PIN Contacts RoHS Compliant						
10	30µ"	.174 (4.42)	AHA10B-ND	2.10	1.89	1658694-6
14	30µ"	.174 (4.42)	AHA14B-ND	2.87	2.59	1658694-7
16	30µ"	.174 (4.42)	AHA16B-ND	3.20	2.89	1658694-8
20	30µ"	.174 (4.42)	AHA20B-ND	3.75	3.38	1658694-1
24	30µ"	.174 (4.42)	AHA24B-ND	4.53	4.08	1658694-9
26	30µ"	.174 (4.42)	AHA26B-ND	4.75	4.28	1658694-2
30	30µ"	.174 (4.42)	AHA30B-ND	4.39	3.96	1-1658694-0
34	30µ"	.174 (4.42)	AHA34B-ND	4.80	4.32	1-1658694-1
40	30µ"	.174 (4.42)	AHA40B-ND	5.28	4.76	1-1658694-3
50	30µ"	.174 (4.42)	AHA50B-ND	7.20	6.48	1658694-4
64	30µ"	.174 (4.42)	AHA64B-ND	9.84	8.86	1658694-5
Pin Header With Short Latches						
14	30µ"	.155 (3.94)	AHG14A-ND	4.67	4.21	499374-2
26	30µ"	.155 (3.94)	AHG26A-ND	4.93	4.45	499374-6
Pin Header With Short Latches RoHS Compliant						
10	15µ"	.110 (2.79)	AHE10H-ND	1.93	1.74	5499910-1
	30µ"	.110 (2.79)	AHE10B-ND	2.04	1.84	5499160-1
	30µ"	.155 (3.94)	AHG10B-ND	2.35	2.12	5499374-1
14	15µ"	.110 (2.79)	AHE14H-ND	2.65	2.39	5499910-2
	30µ"	.155 (3.94)	AHG14B-ND	4.36	3.93	5499374-2
16	15µ"	.110 (2.79)	AHE16H-ND	2.93	2.64	5499910-3
	30µ"	.110 (2.79)	AHE16B-ND	3.15	2.84	5499160-3

◆ NEW!

(Continued)

Straight-Lead (Cont.)

No. of Contacts	Cont. Gold Plat.	Post Length inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 10	AMP Part No.
20	15µ"	.110 (2.79)	AHE20H-ND	3.59	3.23	5499910-4
	30µ"	.110 (2.79)	AHE20B-ND	6.72	6.05	5499160-4
	30µ"	.155 (3.94)	AHG20B-ND	5.56	5.01	5499374-4
24	15µ"	.110 (2.79)	AHE24H-ND	4.14	3.73	5499910-5
	30µ"	.155 (3.94)	AHG24B-ND	4.53	4.08	5499374-5
26	15µ"	.110 (2.79)	AHE26H-ND	3.62	3.26	5499910-6
	30µ"	.110 (2.79)	AHE26B-ND	4.75	4.28	5499160-6
	30µ"	.155 (3.94)	AHG26B-ND	4.48	4.03	5499374-6
30	15µ"	.110 (2.79)	AHE30H-ND	6.42	5.78	5499910-7
34	15µ"	.110 (2.79)	AHE34H-ND	4.48	4.04	5499910-8
	30µ"	.110 (2.79)	AHE34B-ND	4.83	4.35	5499160-8
	30µ"	.155 (3.94)	AHG34B-ND	6.75	6.08	5499374-8
40	15µ"	.110 (2.79)	AHE40H-ND	6.24	5.62	5499910-9
	30µ"	.110 (2.79)	AHE40B-ND	6.81	6.13	5499160-9
	30µ"	.155 (3.94)	AHG40B-ND	8.64	7.78	5499374-9
50	15µ"	.110 (2.79)	AHE50H-ND	7.62	6.86	1-5499910-0
	30µ"	.110 (2.79)	AHE50B-ND	8.31	7.48	1-5499160-0
	30µ"	.155 (3.94)	AHG50B-ND	8.31	7.48	1-5499374-0
Pin Header With Long Latches						
26	30µ"	.110 (2.79)	AHK26A-ND	4.13	3.73	499206-6
60	30µ"	.155 (3.94)	AHL60A-ND	13.23	11.91	1-102321-1
64	30µ"	.110 (2.79)	AHK64A-ND	13.29	11.97	1-499206-2

◆ *NEW!*

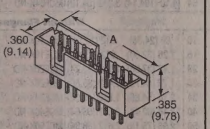
tyco Electronics AMP

Low Profile - 4 Sided Protective Headers - .100 x .100 Centers

Specifications:

- .025" (.64mm) Square Posts, .240" (6.10mm) Mating Post Length.
- Material and Finish: Housing and Latches — Black thermo-plastic, 94V-0 rated.
- Contact Finish: 15µ or 30µ gold on post/pin mating end, 100µ-200µ bright tin-lead on termination end, with entire contact underplated 50µ nickel.

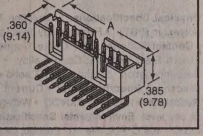
No. of Pins	Dim. A In. (mm)
10	.800 (20.32)
14	1.00 (25.40)
16	1.10 (27.94)
20	1.30 (33.02)
24	1.40 (35.56)
26	1.60 (40.64)
34	2.00 (50.80)
40	2.30 (58.42)
50	2.80 (71.12)
60	3.30 (83.82)



No. of Contacts	Contact Gold Plating	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
Shrouded with .150" (3.81mm) End Dimension Double Row - Straight Post					
40	15µ"	A26279-ND	2.90	2.08	103308-8
Shrouded with .150" (3.81mm) End Dimension Double Row - Straight Post RoHS Compliant					
10	15µ"	A33159-ND◆	1.01	.73	5103308-1
	15µ"	A31134-ND	4.12	2.54	1761602-3
	30µ"	A33160-ND◆	.85	.62	5103309-1
	30µ"	A31142-ND	3.76	2.70	1761603-3
14	15µ"	A33161-ND◆	1.96	1.41	5103308-2
	15µ"	A31135-ND	4.02	2.89	1761602-5
	30µ"	A33162-ND◆	1.32	.95	5103309-2
	30µ"	A31143-ND	3.10	2.23	1761603-5
16	15µ"	A33163-ND◆	1.32	.95	5103308-3
	15µ"	A31136-ND	3.03	2.18	1761602-6
	30µ"	A33164-ND◆	1.47	1.06	5103309-3
	30µ"	A31144-ND	3.29	2.37	1761603-6
20	15µ"	A33165-ND◆	2.61	1.88	5103308-5
	15µ"	A31137-ND	4.70	3.37	1761602-7
	30µ"	A33166-ND◆	2.14	1.54	5103309-5
	30µ"	A31145-ND	5.16	3.70	1761603-7
26	15µ"	A33167-ND◆	1.48	1.07	5103308-6
	15µ"	A31138-ND	6.23	4.47	1761602-9
	30µ"	A31146-ND	5.97	4.29	1761603-9
34	15µ"	A33168-ND◆	1.93	1.39	5103308-7
	15µ"	A31139-ND	6.25	4.48	1-1761602-1
	30µ"	A33169-ND◆	2.89	2.08	5103309-7
	30µ"	A31147-ND	7.03	5.05	1-1761603-1
40	15µ"	A33170-ND◆	2.24	1.61	5103308-8
	30µ"	A33171-ND◆	3.09	2.22	5103309-8
	30µ"	A31148-ND	5.60	4.02	1-1761603-3
50	15µ"	A33172-ND◆	3.02	2.17	1-5103308-0
	15µ"	A31140-ND	8.29	5.95	1-1761602-5
	30µ"	A33173-ND◆	3.84	2.76	1-5103309-0
	30µ"	A31149-ND	9.45	6.78	1-1761603-5
60	15µ"	A33174-ND◆	4.56	3.27	1-5103308-2
	15µ"	A31141-ND	6.70	4.81	1-1761602-6
High Temp. Housing With Board Retention Feature RoHS Compliant					
10	15µ"	A33175-ND◆	1.32	.95	5104338-1
	15µ"	A31196-ND	6.80	4.88	1761610-3
14	15µ"	A31197-ND	10.00	7.17	1761610-5
16	15µ"	A31198-ND	7.29	5.23	1761610-6
20	15µ"	A33176-ND◆	2.44	1.75	5104338-4
	15µ"	A31199-ND	10.70	7.67	1761610-7
24	15µ"	A31200-ND	7.97	5.72	1761610-8
34	15µ"	A33177-ND◆	3.03	2.18	5104338-7
	15µ"	A31201-ND	8.79	6.31	1-1761610-1
40	15µ"	A33178-ND◆	2.96	2.13	5104338-8
	15µ"	A31202-ND	13.90	9.97	1-1761610-3
50	15µ"	A31203-ND	14.36	10.30	1-1761610-5

◆ *NEW!*

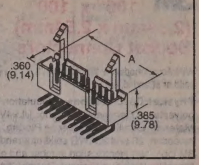
No. of Pins	Dim. A In. (mm)
10	.800 (20.32)
14	1.00 (25.40)
16	1.10 (27.94)
20	1.30 (33.02)
26	1.60 (40.64)
34	2.00 (50.80)
40	2.30 (58.42)
50	2.80 (71.12)
60	3.30 (83.82)



No. of Contacts	Contact Gold Plating	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
Shrouded with .150" (3.81mm) End Dimension Double Row - Right-Angle Post					
14	30µ"	A26288-ND	4.29	3.08	103311-2
Shrouded with .150" (3.81mm) End Dimension Double Row - Right-Angle Post RoHS Compliant					
10	15µ"	A33179-ND◆	.96	.69	5103310-1
	15µ"	A31150-ND	3.32	2.38	1761604-3
	30µ"	A33180-ND◆	1.02	.74	5103311-1
	30µ"	A31158-ND	3.32	2.39	1761605-3
14	15µ"	A33181-ND◆	1.23	.89	5103310-2
	15µ"	A31151-ND	3.74	2.69	1761604-5
	30µ"	A31159-ND	5.61	4.03	1761605-5
16	15µ"	A33182-ND◆	1.02	.74	5103310-3
	15µ"	A31152-ND	3.94	2.83	1761604-6
	30µ"	A33183-ND◆	1.50	1.08	5103311-3
	30µ"	A31160-ND	3.95	2.83	1761605-6
20	15µ"	A33184-ND◆	1.62	1.17	5103310-5
	15µ"	A31153-ND	4.34	3.11	1761604-7
	30µ"	A31161-ND	6.09	4.37	1761605-7
26	15µ"	A33185-ND◆	1.98	1.42	5103310-6
	15µ"	A31154-ND	4.93	3.54	1761604-9
	30µ"	A31162-ND	6.92	4.96	1761605-9
34	15µ"	A33186-ND◆	2.52	1.81	5103310-7
	15µ"	A31155-ND	5.70	4.09	1-1761604-1
	30µ"	A31163-ND	5.71	4.10	1-1761605-1
40	15µ"	A33187-ND◆	2.85	2.05	5103310-8
	15µ"	A31156-ND	6.30	4.52	1-1761604-3
	30µ"	A33188-ND◆	2.96	2.13	5103311-8
	30µ"	A31164-ND	8.85	6.34	1-1761605-3
50	15µ"	A33189-ND◆	4.41	3.16	1-5103310-0
	15µ"	A31157-ND	10.45	7.50	1-1761604-5
	30µ"	A31165-ND	7.47	5.36	1-1761605-5
60	30µ"	A31166-ND	13.12	9.41	1-1761605-6

◆ *NEW!*

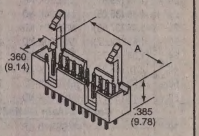
No. of Pins	Dim. A In. (mm)
10	.800 (20.32)
14	1.00 (25.40)
16	1.10 (27.94)
20	1.30 (33.02)
26	1.60 (40.64)
34	2.00 (50.80)
40	2.30 (58.42)
50	2.80 (71.12)
60	3.30 (83.82)



No. of Contacts	Contact Gold Plating	Latching Height Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
Shrouded with Ejection Latches and .150" (3.81mm) End Dimension Double Row - Right Angle Post						
14	30µ"	.585 (14.9)	A26303-ND	10.44	7.49	104130-2
26	30µ"	.585 (14.9)	A26306-ND	4.96	3.56	104130-5
40	30µ"	.585 (14.9)	A26309-ND	5.55	3.98	104130-7
Shrouded with Ejection Latches and .150" (3.81mm) End Dimension Double Row - Right Angle Post RoHS Compliant						
10	30µ"	.585 (14.9)	A31176-ND	3.27	2.35	1761607-3
	30µ"	.435 (11.0)	A31192-ND	3.30	2.37	1761609-3
14	30µ"	.585 (14.9)	A31177-ND	3.68	2.64	1761607-5
16	30µ"	.585 (14.9)	A31178-ND	3.88	2.78	1761607-6
20	30µ"	.585 (14.9)	A31179-ND	4.30	3.09	1761607-7
26	30µ"	.585 (14.9)	A31180-ND	4.85	3.48	1761607-9
	30µ"	.435 (11.0)	A31193-ND	4.90	3.52	1761609-9
34	30µ"	.585 (14.9)	A31181-ND	5.67	4.07	1-1761607-1
40	30µ"	.585 (14.9)	A33190-ND◆	5.55	3.98	1-1761607-3
	30µ"	.435 (11.0)	A31194-ND	6.44	4.62	1-1761609-3
50	30µ"	.585 (14.9)	A31182-ND	7.35	5.28	1-1761607-5
	30µ"	.435 (11.0)	A31195-ND	7.07	5.07	1-1761609-5

◆ *NEW!*

No. of Pins	Dim. A In. (mm)
10	.800 (20.32)
14	1.00 (25.40)
16	1.10 (27.94)
20	1.30 (33.02)
26	1.60 (40.64)
34	2.00 (50.80)
40	2.30 (58.42)
50	2.80 (71.12)
60	3.30 (83.82)



No. of Contacts	Contact Gold Plating	Latching Height Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
Shrouded with Ejection Latches and .150" (3.81mm) End Dimension Double Row - Straight Post						
20	30µ"	.435 (11.0)	A26320-ND	4.32	3.10	104313-4
Shrouded with Ejection Latches and .150" (3.81mm) End Dimension Double Row - Straight Post RoHS Compliant						
10	30µ"	.585 (14.9)	A31167-ND	3.17	2.28	1761606-3
	30µ"	.435 (11.0)	A31183-ND	3.17	2.28	1761608-3
14	30µ"	.585 (14.9)	A31168-ND	3.54	2.54	1761606-5
	30µ"	.435 (11.0)	A31184-ND	3.54	2.54	1761608-5
16	30µ"	.585 (14.9)	A31169-ND	3.72	2.67	1761606-6
	30µ"	.435 (11.0)	A31185-ND	3.72	2.67	1761608-6
20	30µ"	.585 (14.9)	A31170-ND	4.10	2.94	1761606-7
	30µ"	.435 (11.0)	A31186-ND	4.10	2.94	1761608-7
26	30µ"	.585 (14.9)	A31171-ND	4.59	3.29	1761606-9
	30µ"	.435 (11.0)	A31187-ND	4.64	3.33	1761608-9
34	30µ"	.585 (14.9)	A31172-ND	5.33	3.82	1-1761606-1
	30µ"	.435 (11.0)	A31188-ND	5.33	3.82	1-1761608-1
40	30µ"	.585 (14.9)	A31173-ND	6.04	4.33	1-1761606-3
	30µ"	.435 (11.0)	A31189-ND	6.04	4.33	1-1761608-3
50	30µ"	.585 (14.9)	A31174-ND	6.94	4.98	1-1761606-5
	30µ"	.435 (11.0)	A31190-ND	6.94	4.98	1-1761608-5
60	30µ"	.585 (14.9)	A31175-ND	7.84	5.62	1-1761606-6
	30µ"	.435 (11.0)	A31191-ND	7.84	5.62	1-1761608-6

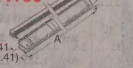
3M .100" x .100" (2.54mm x 2.54mm) Socket Connectors

Wire Accommodation: 26, 28, 30AWG solid or stranded

Physical Specifications: • Insulation Material: Glass reinforced polyester • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Beryllium copper • Plating: 30µ" gold • Wire Accommodation: 26 and 28AWG solid or stranded, 30AWG solid • Marking: 3M logo, part identification number and orientation triangle **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10^9Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level **Environmental Specifications:** • Temperature Rating: -55°C – 105°C • UL File No.: E68080; CSA File No.: LR-40971

No. of Contacts	Dim. A In. (mm)	Digi-Key Part No.	Pricing 1	Pricing 10	3M Part No.
Polarizing Slots (Open End)					
10	.68 (17.27)	MSC10K-ND	2.00	16.80	3473-6000
14	.88 (22.35)	MSC14K-ND	2.41	20.30	3385-6000
16	.98 (24.89)	MSC16K-ND	2.64	22.23	3452-6000
20	1.18 (29.97)	MSC20K-ND	2.91	24.50	3421-6000
24	1.38 (35.05)	MSC24K-ND	3.49	29.40	3626-6000
26	1.48 (37.59)	MSC26K-ND	3.76	31.68	3399-6000
30	1.68 (42.67)	MSC30K-ND	4.33	36.40	3419-6000
34	1.88 (47.75)	MSC34K-ND	4.91	41.30	3414-6000
40	2.18 (55.37)	MSC40K-ND	5.76	48.48	3417-6000
50	2.68 (68.07)	MSC50K-ND	7.00	60.55	3425-6000
60	3.18 (80.77)	MSC60K-ND	8.92	75.08	3334-6000
Center-Bumped Polarizing (Open End)					
10	.68 (17.27)	MKC10K-ND	2.00	16.80	3473-6600
14	.88 (22.35)	MKC14K-ND	2.41	20.30	3385-6600
16	.98 (24.89)	MKC16K-ND	2.64	22.23	3452-6600
20	1.18 (29.97)	MKC20K-ND	2.91	24.50	3421-6600
24	1.38 (35.05)	MKC24K-ND	3.49	29.40	3626-6600
26	1.48 (37.59)	MKC26K-ND	3.76	31.68	3399-6600
30	1.68 (42.67)	MKC30K-ND	4.33	36.40	3419-6600
34	1.88 (47.75)	MKC34K-ND	4.91	41.30	3414-6600
40	2.18 (55.37)	MKC40K-ND	5.76	48.48	3417-6600
50	2.68 (68.07)	MKC50K-ND	7.00	60.55	3425-6600
60	3.18 (80.77)	MKC60K-ND	8.92	75.08	3334-6600
Center-Bumped Polarizing (Closed End)					
10	.68 (17.27)	MSD10K-ND	2.12	17.85	3473-7600
14	.88 (22.35)	MSD14K-ND	2.66	22.40	3385-7600
16	.98 (24.89)	MSD16K-ND	2.79	23.45	3452-7600
20	1.18 (29.97)	MSD20K-ND	3.06	25.73	3421-7600
24	1.38 (35.05)	MSD24K-ND	3.66	30.80	3626-7600
26	1.48 (37.59)	MSD26K-ND	3.97	33.43	3399-7600
30	1.68 (42.67)	MSD30K-ND	4.56	38.33	3419-7600
34	1.88 (47.75)	MSD34K-ND	5.12	43.05	3414-7600
40	2.18 (55.37)	MSD40K-ND	6.01	50.58	3417-7600
50	2.68 (68.07)	MSD50K-ND	7.49	63.00	3425-7600
60	3.18 (80.77)	MSD60K-ND	9.26	77.88	3334-7600
Cable Strain Relief/Stabilizer					
10	—	MSSR10-ND	.25	2.10	3448-3010
14	—	MSSR14-ND	.25	2.10	3448-3014
16	—	MSSR16-ND	.25	2.10	3448-3016
20	—	MSSR20-ND	.25	2.10	3448-3020
24	—	MSSR24-ND	.25	2.10	3448-3024
26	—	MSSR26-ND	.25	2.10	3448-3026
30	—	MSSR30-ND	.25	2.10	3448-3030
34	—	MSSR34-ND	.25	2.10	3448-3034
40	—	MSSR40-ND	.25	2.10	3448-3040
50	—	MSSR50-ND	.25	2.10	3448-3050
60	—	MSSR60-ND	.25	2.10	3448-3060

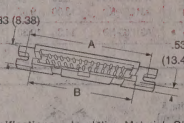
3M Series 89, .100" x .100" (2.54mm x 2.54mm) Socket Connectors



These high-quality, standard-performance IDC sockets minimize applied assembly costs without sacrificing reliability. The Series 89 IDC socket is part of a new line of standard-performance interconnects specifically designed to help electronic equipment manufacturers hold down applied assembly costs. These interconnects also offer the quality and reliability you'd expect from 3M. They have been engineered with a "systems" approach that has a positive impact on your process and product costs. **Physical Specifications:** • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Marking: Molded Figures: 3M logo and orientation triangle • Pins: Phosphor bronze • Contact Plating: Wipe Area: 30µ" gold, MIL-G-45204, Type II, Grade C • Underplate: 100µ" nickel, QQ-N-290, Class 2 • Wire Accommodation: 28AWG stranded **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10^9Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ Sea Level **Environmental Specifications:** • Operating Temperature: -55°C – 105°C • UL File No.: E68080; CSA File No.: LR40971

No. of Contacts	Dim. A In. (mm)	Digi-Key Part No.	Pricing 1	Pricing 10	3M Part No.
IDC Socket Gold					
10	.68 (17.27)	MSC10A-ND	1.09	8.84	89110-0001
14	.88 (22.35)	MSC14A-ND	1.12	9.12	89114-0001
16	.98 (24.89)	MSC16A-ND	1.16	9.41	89116-0001
20	1.18 (29.97)	MSC20A-ND	1.26	10.26	89120-0001
24	1.38 (35.05)	MSC24A-ND	1.40	11.40	89124-0001
26	1.48 (37.59)	MSC26A-ND	1.44	11.69	89126-0001
30	1.68 (42.67)	MSC30A-ND	1.58	12.83	89130-0001
34	1.88 (47.75)	MSC34A-ND	1.61	13.11	89134-0001
40	2.18 (55.37)	MSC40A-ND	2.17	17.67	89140-0001
50	2.68 (68.07)	MSC50A-ND	2.35	19.10	89150-0001
60	3.18 (80.77)	MSC60A-ND	2.42	19.67	89160-0001
IDC Socket Gold, Polarizing					
10	.68 (17.27)	MKC10A-ND	1.09	8.84	89110-0101
14	.88 (22.35)	MKC14A-ND	1.12	9.12	89114-0101
16	.98 (24.89)	MKC16A-ND	1.16	9.41	89116-0101
20	1.18 (29.97)	MKC20A-ND	1.26	10.26	89120-0101
24	1.38 (35.05)	MKC24A-ND	1.40	11.40	89124-0101
26	1.48 (37.59)	MKC26A-ND	1.44	11.69	89126-0101
30	1.68 (42.67)	MKC30A-ND	1.58	12.83	89130-0101
34	1.88 (47.75)	MKC34A-ND	1.61	13.11	89134-0101
40	2.18 (55.37)	MKC40A-ND	2.17	17.67	89140-0101
50	2.68 (68.07)	MKC50A-ND	2.35	19.10	89150-0101
60	3.18 (80.77)	MKC60A-ND	2.42	19.67	89160-0101
Strain Relief					
10	—	MKSR10-ND	.28	2.28	3448-89110
14	—	MKSR14-ND	.28	2.28	3448-89114
16	—	MKSR16-ND	.28	2.28	3448-89116
20	—	MKSR20-ND	.28	2.28	3448-89120
24	—	MKSR24-ND	.28	2.28	3448-89124
26	—	MKSR26-ND	.28	2.28	3448-89126
30	—	MKSR30-ND	.28	2.28	3448-89130
34	—	MKSR34-ND	.28	2.28	3448-89134
40	—	MKSR40-ND	.28	2.28	3448-89140
50	—	MKSR50-ND	.28	2.28	3448-89150
60	—	MKSR60-ND	.28	2.28	3448-89160

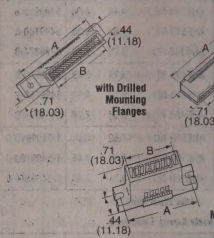
3M .100" x .100" (2.54mm x 2.54mm) Plug Connectors



Physical Specifications: • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Flat Cable Connectors: Beryllium copper • Latch Eject Headers: Copper alloy • Plating: 30µ" gold • Wire Accommodation: 26 and 28AWG solid or stranded, 30AWG solid **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: >1x10^9Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level **Environmental Specifications:** • Temperature Rating: -55°C – 105°C • UL File No.: E68080; CSA File No.: LR-40971

No. of Cont.	Dim. – In. (mm) A	Dim. – In. (mm) B	Digi-Key Part No.	Pricing 1	Pricing 10	3M Part No.
With Slotted Mounting Flanges						
10	1.20 (30.48)	.90 (22.88)	MPL10K-ND	2.95	24.85	4610-6050
14	1.40 (35.56)	1.10 (27.94)	MPL14K-ND	4.10	34.48	4614-6000
16	1.50 (38.10)	1.20 (30.48)	MPL16K-ND	4.64	39.03	4616-6000
20	1.70 (43.18)	1.40 (35.56)	MPL20K-ND	5.41	45.50	4620-6000
24	1.90 (48.26)	1.60 (40.64)	MPL24K-ND	5.95	50.05	4624-6000
26	2.00 (50.80)	1.70 (43.18)	MPL26K-ND	6.16	51.80	4626-6000
30	2.20 (55.88)	1.90 (48.26)	MPL30K-ND	6.76	56.88	4630-6000
34	2.40 (60.96)	2.10 (53.34)	MPL34K-ND	7.63	64.23	4634-6000
36	2.50 (63.50)	2.20 (55.88)	MPL36K-ND	8.07	67.90	4636-6000
40	2.70 (68.58)	2.40 (60.96)	MPL40K-ND	8.47	71.23	4640-6000
50	3.20 (81.28)	2.90 (73.66)	MPL50K-ND	9.17	77.18	4650-6000
60	3.70 (93.98)	3.40 (86.36)	MPL60K-ND	10.82	91.00	4660-6000
64	3.90 (99.06)	3.60 (91.44)	MPL64K-ND	11.54	97.13	4664-6000
Without Mounting Flanges						
10	1.20 (30.48)	.90 (22.86)	MPK10K-ND	2.95	24.85	4610-6051
14	1.40 (35.56)	1.10 (27.94)	MPK14K-ND	4.10	34.48	4614-6001
16	1.50 (38.10)	1.20 (30.48)	MPK16K-ND	4.64	39.03	4616-6001
20	1.70 (43.18)	1.40 (35.56)	MPK20K-ND	5.41	45.50	4620-6001
24	1.90 (48.26)	1.60 (40.64)	MPK24K-ND	5.95	50.05	4624-6001
26	2.00 (50.80)	1.70 (43.18)	MPK26K-ND	6.16	51.80	4626-6001
30	2.20 (55.88)	1.90 (48.26)	MPK30K-ND	6.76	56.88	4630-6001
34	2.40 (60.96)	2.10 (53.34)	MPK34K-ND	7.63	64.23	4634-6001
36	2.50 (63.50)	2.20 (55.88)	MPK36K-ND	8.07	67.90	4636-6001
40	2.70 (68.58)	2.40 (60.96)	MPK40K-ND	8.47	71.23	4640-6001
50	3.20 (81.28)	2.90 (73.66)	MPK50K-ND	9.17	77.18	4650-6001
60	3.70 (93.98)	3.40 (86.36)	MPK60K-ND	10.82	91.00	4660-6001
64	3.90 (99.06)	3.60 (91.44)	MPK64K-ND	11.54	97.13	4664-6001
Strain Reliefs						
10	—	—	MPSR10-ND	.58	4.90	3448-4610
14	—	—	MPSR14-ND	.69	5.78	3448-4614
16	—	—	MPSR16-ND	.69	5.78	3448-4616
20	—	—	MPSR20-ND	.69	5.78	3448-4620
24	—	—	MPSR24-ND	.69	5.78	3448-4624
26	—	—	MPSR26-ND	.69	5.78	3448-4626
30	—	—	MPSR30-ND	.69	5.78	3448-4630
34	—	—	MPSR34-ND	.69	5.78	3448-4634
36	—	—	MPSR36-ND	.69	5.78	3448-4636
40	—	—	MPSR40-ND	.69	5.78	3448-4640
50	—	—	MPSR50-ND	.69	5.78	3448-4650
60	—	—	MPSR60-ND	.69	5.78	3448-4660
64	—	—	MPSR64-ND	.69	5.78	3448-4664
Lock Eject. Hooks (Short)			MDLKS1-ND	.29/2	1.23	3505-16
Lock Eject. Hooks (Long)			MDLKS2-ND	.33/2	1.40	3505-17

3M .100" (2.54mm) Card Edge Connectors



Physical Specifications: • Insulation Material: Glass reinforced polyester (PBT) • Flammability Rating: UL94V-0 • Color: Gray • Contact Material: Beryllium copper • Plating: 30µ" gold • Marking: 3M logo and part identification number

Electrical Specifications: • Current Rating: 1A • Insulation Resistance: >1x10^9Ω @ 500VDC • Withstanding Voltage: 1000VRMS @ sea level

Environmental Specifications: • Temperature Rating: -55°C – 105°C • UL File No.: E68080; CSA File No.: LR-40971 • Wire Accommodation: 26AWG solid or stranded, 28AWG solid or stranded, 30AWG solid

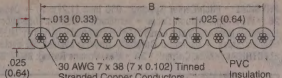
Order strain reliefs separately.

No. of Cont.	Dim. – Inch (mm) A	Dim. – Inch (mm) B	Digi-Key Part No.	Pricing 1	Pricing 10	3M Part No.
With Drilled Mounting Flanges						
10	1.40 (35.56)	.612 (15.54)	MCF10K-ND	5.10	42.88	3358-0000
16	1.70 (43.18)	.912 (23.16)	MCF16K-ND	6.26	52.68	3368-0000
20	1.90 (48.26)	1.112 (28.24)	MCF20K-ND	6.64	55.83	3461-0000
26	2.20 (55.88)	1.412 (35.86)	MCF26K-ND	8.05	67.73	3462-0000
34	2.60 (66.04)	1.812 (46.02)	MCF34K-ND	8.57	72.10	3463-0000
40	2.90 (73.66)	2.112 (53.64)	MCF40K-ND	9.40	79.10	3464-0000
50	3.40 (86.36)	2.612 (66.34)	MCF50K-ND	11.67	98.18	3415-0000
60	3.90 (99.06)	3.112 (79.04)	MCF60K-ND	13.48	113.40	3666-0000
64	4.10 (104.14)	3.312 (84.12)	MCF64K-ND	13.12	110.43	3403-0000
Without Flanges						
10	.96 (24.38)	.612 (15.54)	MCE10K-ND	5.10	42.88	3358-0001
16	1.26 (32.00)	.912 (23.16)	MCE16K-ND	6.26	52.68	3368-0001
20	1.46 (37.08)	1.112 (28.24)	MCE20K-ND	6.64	55.83	3461-0001
26	1.76 (44.70)	1.412 (35.86)	MCE26K-ND	8.05	67.73	3462-0001
34	2.16 (54.86)	1.812 (46.02)	MCE34K-ND	8.57	72.10	3463-0001
40	2.46 (62.48)	2.112 (53.64)	MCE40K-ND	9.40	79.10	3464-0001
50	2.96 (75.18)	2.612 (66.34)	MCE50K-ND	11.67	98.18	3415-0001
60	3.46 (87.88)	3.112 (79.04)	MCE60K-ND	13.48	113.40	3666-0001
64	3.66 (92.96)	3.312 (84.12)	MCE64K-ND	13.12	110.43	3403-0001
With Slotted Mounting Flanges						
10	1.30 (33.02)	.612 (15.54)	MCS10K-ND	5.10	42.88	3358-0002
16	1.60 (40.64)	.912 (23.16)	MCS16K-ND	6.26	52.68	3368-0002
20	1.80 (45.72)	1.112 (28.24)	MCS20K-ND	6.64	55.83	3461-0002
26	2.10 (53.34)	1.412 (35.86)	MCS26K-ND	8.05	67.73	3462-0002
34	2.50 (63.50)	1.812 (46.02)	MCS34K-ND	8.57	72.10	3463-0002
40	2.80 (71.12)	2.112 (53.64)	MCS40K-ND	9.40	79.10	3464-0002
50	3.30 (83.82)	2.612 (66.34)	MCS50K-ND	11.67	98.18	3415-0002
60	3.80 (96.52)	3.112 (79.04)	MCS60K-ND	13.48	113.40	3666-0002
64	4.00 (101.60)	3.312 (84.12)	MCS64K-ND	13.12	110.43	3403-0002
Strain Reliefs						
10	—	—	MCSR10-ND	1.83	15.40	3448-52
16	—	—	MCSR16-ND	1.83	15.40	3448-53
20	—	—	MCSR20-ND	1.83	15.40	3448-54
26	—	—	MCSR26-ND	1.71	14.35	3448-55
34	—	—	MCSR34-ND	1.46	12.25	3448-56
40	—	—	MCSR40-ND	1.71	14.35	3448-57
50	—	—	MCSR50-ND	1.83	15.40	3448-58
60	—	—	MCSR60-ND	5.41	45.50	3448-31
64	—	—	MCSR64-ND	1.83	15.40	3448-59

3M .025" Gray Flat Cable – 3754 Series

RoHS COMPLIANT

- PVC Insulation
- 30AWG Stranded on .025" spacing
- Conductors: 30AWG 7 x 38 (7 x 0.102) tinned stranded copper
- Voltage Rating: 30V
- Temperature Rating: -20°C ~ 105°C
- Flammability Rating: *USA:* VW-1 *Canada:* FT1

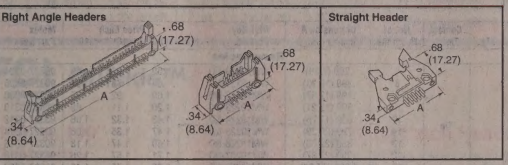


No. of Contacts	Dimensions Inches (mm) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 Ft.*	10 Ft.*	25 Ft.*	50 Ft.*	100 Ft.*	300 Ft.*
20	0.500 (12.70)	0.475 (12.07)	MB20G-X-ND	3.26	6.05	13.49	23.25	41.85	111.60
26	0.650 (16.51)	0.625 (15.88)	MB26G-X-ND	4.23	7.86	17.53	30.23	54.41	145.08
30	0.750 (19.05)	0.725 (18.42)	MB30G-X-ND	4.88	9.07	20.23	34.88	62.78	167.40
40	1.000 (25.40)	0.975 (24.77)	MB40G-X-ND	6.51	12.09	26.97	46.50	83.70	223.20
50	1.250 (31.75)	1.225 (31.12)	MB50G-X-ND	4.64	8.61	19.21	33.13	59.63	159.00
60	1.500 (38.10)	1.475 (37.47)	MB60G-X-ND	9.77	18.14	40.46	69.75	125.55	334.80
68	1.700 (43.18)	1.675 (42.55)	MB68G-X-ND	11.07	20.55	45.85	79.05	142.29	379.44
80	2.000 (50.80)	1.975 (50.17)	MB80G-X-ND	13.02	24.18	53.94	93.00	167.40	446.40
100	2.500 (63.50)	2.475 (62.87)	MB100G-X-ND	16.28	30.23	67.43	116.25	209.25	558.00

* Cable available on xxx ft. roll

Latch/Eject Headers .100" x .100" (2.54mm x 2.54mm)

Four-wall shrouded housing to protect against physical and chemical pin damage.
Order optional ejector latches separately below.



No. of Contacts	Dimension A inches (mm)	Digi-Key Part No.	Pricing 1	100	500	3M Part No.
Right Angle						
10	1.26 (32.00)	MHR10K-ND	1.16	88.48	400.40	3793-5002
14	1.46 (37.08)	MHR14K-ND	1.60	121.66	550.55	3314-5002
16	1.56 (39.62)	MHR16K-ND	1.85	140.62	636.35	3408-5002
20	1.76 (44.70)	MHR20K-ND	2.29	173.80	786.50	3428-5002
24	1.96 (49.78)	MHR24K-ND	2.75	208.56	943.80	3627-5002
26	2.06 (52.32)	MHR26K-ND	2.97	225.94	1022.45	3429-5002
30	2.26 (57.40)	MHR30K-ND	2.75	208.56	943.80	3440-5002
34	2.46 (62.48)	MHR34K-ND	3.10	235.42	1065.35	3431-5002
40	2.76 (70.10)	MHR40K-ND	3.66	278.08	1258.40	3432-5002
50	3.26 (82.80)	MHR50K-ND	4.58	347.60	1573.00	3433-5002
60	3.76 (95.50)	MHR60K-ND	5.47	415.54	1880.45	3372-5002
NEW! Right Angle — RoHS Compliant NEW!						
10	1.26 (32.00)	MHR10L-ND	1.16	88.48	400.40	N3793-5002RB
14	1.46 (37.08)	MHR14L-ND	1.60	121.66	550.55	N3314-5002RB
16	1.56 (39.62)	MHR16L-ND	1.85	140.62	636.35	N3408-5002RB
20	1.76 (44.70)	MHR20L-ND	2.27	172.22	779.35	N3428-5002RB
24	1.96 (49.78)	MHR24L-ND	2.72	206.98	936.65	N3627-5002RB
26	2.06 (52.32)	MHR26L-ND	2.93	222.78	1008.15	N3429-5002RB
30	2.26 (57.40)	MHR30L-ND	2.72	206.98	936.65	N3440-5002RB
34	2.46 (62.48)	MHR34L-ND	3.06	232.26	1051.05	N3431-5002RB
40	2.76 (70.10)	MHR40L-ND	3.62	274.92	1244.10	N3432-5002RB
50	3.26 (82.80)	MHR50L-ND	4.51	342.86	1551.55	N3433-5002RB
60	3.76 (95.50)	MHR60L-ND	5.43	412.38	1866.15	N3372-5002RB
Straight						
10	1.26 (32.00)	MHS10K-ND	1.14	86.90	393.25	3793-6002
14	1.46 (37.08)	MHS14K-ND	1.58	120.08	543.40	3314-6002
16	1.56 (39.62)	MHS16K-ND	1.81	137.46	622.05	3408-6002
20	1.76 (44.70)	MHS20K-ND	2.25	170.64	772.20	3428-6002
24	1.96 (49.78)	MHS24K-ND	2.70	205.40	929.50	3627-6002
26	2.06 (52.32)	MHS26K-ND	2.91	221.20	1001.00	3429-6002
30	2.26 (57.40)	MHS30K-ND	2.70	205.40	929.50	3440-6002
34	2.46 (62.48)	MHS34K-ND	3.04	230.68	1043.90	3431-6002
40	2.76 (70.10)	MHS40K-ND	3.58	271.76	1229.80	3432-6002
50	3.26 (82.80)	MHS50K-ND	4.47	339.70	1537.25	3433-6002
60	3.76 (95.50)	MHS60K-ND	5.39	409.22	1851.85	3372-6002
NEW! Straight — RoHS Compliant NEW!						
10	1.26 (32.00)	MHS10L-ND	1.16	88.48	400.40	N3793-6002RB
14	1.46 (37.08)	MHS14L-ND	1.60	121.66	550.55	N3314-6002RB
16	1.56 (39.62)	MHS16L-ND	1.83	139.04	629.20	N3408-6002RB
20	1.76 (44.70)	MHS20L-ND	2.27	172.22	779.35	N3428-6002RB
24	1.96 (49.78)	MHS24L-ND	2.72	206.98	936.65	N3627-6002RB
26	2.06 (52.32)	MHS26L-ND	2.93	222.78	1008.15	N3429-6002RB
30	2.26 (57.40)	MHS30L-ND	2.72	206.98	936.65	N3440-6002RB
34	2.46 (62.48)	MHS34L-ND	3.04	230.68	1043.90	N3431-6002RB
40	2.76 (70.10)	MHS40L-ND	3.62	274.92	1244.10	N3432-6002RB
50	3.26 (82.80)	MHS50L-ND	4.51	342.86	1551.55	N3433-6002RB
60	3.76 (95.50)	MHS60L-ND	5.43	412.38	1866.15	N3372-6002RB
Optional Ejector Latches for Connectors						
Short		MLKS01-ND*	.21/2	7.90	35.75	3505-2
Long		MLKS02-ND†	.21/2	7.90	35.75	3505-3

* Use without strain relief † Use with strain relief

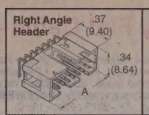
Gray Cable Clamps with Adhesive

RoHS COMPLIANT

3484 Series: Cable clamps organize cable routing by clamping and retaining up to six layers of flat cable.

3484-1000-ND Cable Clamps with Adhesive..... **$12.25/100**

Low Profile Headers (Protected Headers)



Physical Specifications: Insulation: • Material: Glass filled Polyester (PBT) • Flammability: UL94V-0 • Color: Gray • Marking: 3M logo and Orientation Triangle **Contact:** • Material: Phosphor Bronze (C510) **Plating:** • Underplate: 100µ" Nickel-QQ-N-290, Class 2 • Wiping Area: Gold-MIL-G-45204, Type II, Grade C • Solder Tails: 200µ" 60/40 Tin Lead-MIL-P-81728 • Wrap Tails: Gold Flash **Electrical Specifications:** • Current Rating: 2A • Insulation Resistance: >1x10⁹Ω @ 500Vdc • Withstanding voltage: 1000Vrms at Sea Level **Environmental Specification:** • Temperature Rating: -55°C ~ 105°C • UL File No.: E68080 • CSA File No.: LR 40971

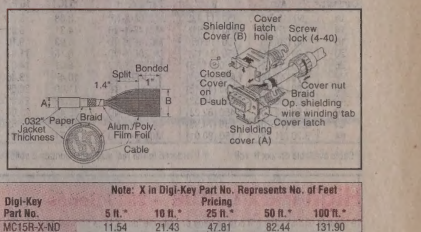
No. of Contacts	Dimension A Inches (mm)	Digi-Key Part No.	Pricing 1	100	500	3M Part No.
Straight Solder Tail						
10	0.79 (20.07)	MH810K-ND	1.37	104.28	471.90	2510-6002UB
14	0.99 (22.15)	MH814K-ND	1.41	107.44	486.20	2514-6002UB
16	1.09 (27.69)	MH816K-ND	1.58	120.08	543.40	2516-6002UB
20	1.29 (32.77)	MH820K-ND	1.64	124.82	564.85	2520-6002UB
24	1.49 (37.85)	MH824K-ND	1.75	132.72	600.60	2524-6002UB
26	1.59 (40.39)	MH826K-ND	1.77	134.30	607.75	2526-6002UB
30	1.79 (45.47)	MH830K-ND	2.04	154.84	700.70	2530-6002UB
34	1.99 (50.55)	MH834K-ND	2.12	161.16	729.30	2534-6002UB
40	2.29 (58.17)	MH840K-ND	2.27	172.22	779.35	2540-6002UB
50	2.79 (70.87)	MH850K-ND	2.81	213.30	965.25	2550-6002UB
60	3.29 (83.57)	MH860K-ND	3.37	255.96	1158.30	2560-6002UB
Straight Solder Tail — RoHS Compliant						
10	0.788 (20.02)	MHC10K-ND	1.37	104.28	471.90	N2510-6002RB
14	0.988 (25.10)	MHC14K-ND	1.41	107.44	486.20	N2514-6002RB
16	1.088 (27.64)	MHC16K-ND	1.58	120.08	543.40	N2516-6002RB
20	1.288 (32.72)	MHC20K-ND	1.64	124.82	564.85	N2520-6002RB
24	1.488 (37.80)	MHC24K-ND	1.75	132.72	600.60	N2524-6002RB
26	1.588 (40.34)	MHC26K-ND	1.77	134.30	607.75	N2526-6002RB
30	1.788 (45.42)	MHC30K-ND	2.04	154.84	700.70	N2530-6002RB
34	1.988 (50.50)	MHC34K-ND	2.12	161.16	729.30	N2534-6002RB
40	2.288 (58.12)	MHC40K-ND	2.27	172.22	779.35	N2540-6002RB
50	2.788 (70.82)	MHC50K-ND	2.81	213.30	965.25	N2550-6002RB
60	3.288 (83.52)	MHC60K-ND	3.37	255.96	1158.30	N2560-6002RB
64	3.488 (88.60)	MHC64K-ND	3.58	271.76	1229.80	N2564-6002RB
Right Angle Solder Tail						
10	0.79 (20.07)	MH810K-ND	1.52	115.34	521.95	2510-5002UB
14	0.99 (22.15)	MH814K-ND	1.56	118.50	536.25	2514-5002UB
16	1.09 (27.69)	MH816K-ND	1.75	132.72	600.60	2516-5002UB
20	1.29 (32.77)	MH820K-ND	1.83	139.04	629.20	2520-5002UB
24	1.49 (37.85)	MH824K-ND	1.91	145.36	657.80	2524-5002UB
26	1.59 (40.39)	MH826K-ND	1.93	146.94	664.95	2526-5002UB
30	1.79 (45.47)	MH830K-ND	2.62	199.08	900.90	2530-5002UB
34	1.99 (50.55)	MH834K-ND	2.31	175.38	793.65	2534-5002UB
40	2.29 (58.17)	MH840K-ND	2.50	189.60	858.00	2540-5002UB
50	2.79 (70.87)	MH850K-ND	3.08	233.84	1058.20	2550-5002UB
60	3.29 (83.57)	MH860K-ND	3.70	281.24	1272.70	2560-5002UB
Right Angle Solder Tail — RoHS Compliant						
10	0.788 (20.02)	MHE10K-ND	1.52	115.34	521.95	N2510-5002RB
14	0.988 (25.10)	MHE14K-ND	1.56	118.50	536.25	N2514-5002RB
16	1.088 (27.64)	MHE16K-ND	1.75	132.72	600.60	N2516-5002RB
20	1.288 (32.72)	MHE20K-ND	1.83	139.04	629.20	N2520-5002RB
24	1.488 (37.80)	MHE24K-ND	1.91	145.36	657.80	N2524-5002RB
26	1.588 (40.34)	MHE26K-ND	1.93	146.94	664.95	N2526-5002RB
30	1.788 (45.42)	MHE30K-ND	2.62	199.08	900.90	N2530-5002RB
34	1.988 (50.50)	MHE34K-ND	2.31	175.38	793.65	N2534-5002RB
40	2.288 (58.12)	MHE40K-ND	2.50	189.60	858.00	N2540-5002RB
50	2.788 (70.82)	MHE50K-ND	3.08	233.84	1058.20	N2550-5002RB
60	3.288 (83.52)	MHE60K-ND	3.70	281.24	1272.70	N2560-5002RB
64	3.488 (88.60)	MHE64K-ND	3.95	300.20	1358.50	N2564-5002RB

Round Jacketed/Shielded Flat Cable

RoHS COMPLIANT

3659 Series

PHYSICAL: • Insulation Material: Polyvinyl Chloride (PVC) • Flammability Rating: UL VW-1 • Color: Black • Inner Cable: Scotchflex Product No. 3365; 28AWG 7 x 36 Conductors; UL Style: 2651 • Shielding: 0.001" (.03mm) and 90% Optical Coverage Tinned Copper Braid **ELECTRICAL:** • Voltage Rating: 150V • Insulation Resistance: > 1 x 10¹⁰Ω/10 ft. **ENVIRONMENTAL:** • Temperature Rating: -4°F ~ 176°F (-20°C ~ 80°C)



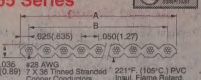
No. of Contacts	Dimensions (inch) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*
15	.29	.700	MC15R-X-ND	11.54	21.43	47.81	82.44	131.90
20	.30	.950	MC20R-X-ND	12.43	23.08	51.49	88.78	142.04
24	.35	1.150	MC24R-X-ND	13.32	24.73	55.17	95.11	152.18
25	.35	1.200	MC25R-X-ND	13.73	25.50	56.89	98.09	156.94
26	.35	1.250	MC26R-X-ND	14.20	26.38	58.84	101.45	162.32
34	.39	1.650	MC34R-X-ND	15.98	29.68	66.20	114.14	182.62
36	.41	1.750	MC36R-X-ND	16.42	30.50	68.04	117.31	187.70
37	.41	1.800	MC37R-X-ND	16.87	31.32	69.88	120.48	192.76
40	.41	1.950	MC40R-X-ND	17.31	32.15	71.72	123.65	197.84
50	.50	2.450	MC50R-X-ND	19.97	37.09	82.74	142.66	228.26
60	.53	2.950	MC60R-X-ND	22.39	41.58	92.76	159.94	255.90
64	.54	3.150	MC64R-X-ND	23.53	43.69	97.46	168.04	268.86

* Cable available on xxx ft. roll

No. of Contacts	Digi-Key Part No.	Pricing 1	100	500	1,000	3M Part No.
D-Sub Backshells						
9	MDBS09-ND	3.93	298.62	1351.35	2457.00	3357-9209
15	MDBS15-ND	4.35	330.22	1494.35	2717.00	3357-9215
25	MDBS25-ND	4.97	377.62	1708.85	3107.00	3357-9225
37	MDBS37-ND	7.26	551.42	2495.35	4537.00	3357-9237
50	MDBS50-ND	11.40	865.84	3918.20	7124.00	3357-9250
Thumbscrew Kit (2 Thumbscrews and 2 Retainers)						
Kit	MDTS07-ND	4.18	317.58	1437.15	2613.00	3341-7

3M Gray Flat Cable – 3365 Series

PHYSICAL: • Insulation Material: Polyvinyl Chloride (PVC) • Flammability Rating: UL VW-1 • Marking: Red Edge • Conductors: 28 AWG 7 x 36 Tinned Stranded Copper **ELECTRICAL:** • Voltage Rating: 300V • Insulation Resistance: >1 x 10^{10}Ω/10 ft. **ENVIRONMENTAL:** • Temperature Rating: -4°F – 221°F (-20°C – 105°C)



No. of Contacts	Dimensions Inch (mm) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*	300 ft.*
10	.500 (12.70)	.450 (11.43)	MC10G-X-ND	1.63	3.02	6.74	11.63	20.93	55.80
14	.700 (17.78)	.650 (16.51)	MC14G-X-ND	2.28	4.23	9.43	16.26	29.27	78.04
16	.800 (20.32)	.750 (19.05)	MC16G-X-ND	2.60	4.83	10.78	18.58	33.44	89.18
20	1.000 (25.40)	.950 (24.13)	MC20G-X-ND	3.25	6.04	13.47	23.23	41.81	111.50
24	1.200 (30.48)	1.150 (29.21)	MC24G-X-ND	3.90	7.26	16.17	27.87	50.17	133.78
26	1.300 (33.02)	1.250 (31.75)	MC26G-X-ND	4.23	7.85	17.51	30.19	54.34	144.92
34	1.700 (43.18)	1.650 (41.91)	MC34G-X-ND	5.53	10.27	22.90	39.49	71.08	189.54
37	1.850 (46.99)	1.800 (45.72)	MC37G-X-ND	6.02	11.17	24.93	42.98	77.36	206.28
40	2.000 (50.80)	1.950 (49.53)	MC40G-X-ND	6.50	12.08	26.95	46.46	83.63	223.00
50	2.500 (63.50)	2.450 (62.23)	MC50G-X-ND	8.13	15.10	33.68	58.06	104.51	278.70
60	3.000 (76.20)	2.950 (74.93)	MC60G-X-ND	9.76	18.12	40.41	69.68	125.42	334.46
64	3.200 (81.28)	3.150 (80.01)	MC64G-X-ND	10.40	19.32	43.11	74.32	133.78	356.74

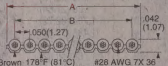
* Cable available on xxx ft. roll

Color Coded Flat Cable – 3302 Series

PHYSICAL: • Insulation Material: Polyvinyl Chloride (PVC) • Flammability Rating: UL VW-1 • Color: 10 Color Repeat, Clear Carrier • Conductors: 28 AWG 7 x 36 Tinned Stranded Copper

ELECTRICAL: • Voltage Rating: 300V • Insulation Resistance: > 1 x 10^{9}Ω/10 ft.

ENVIRONMENTAL: • Temperature Rating: -4°F – 176°F (-20°C – 80°C)



No. of Contacts	Dimensions Inch (mm) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*	300 ft.*
10	.500 (12.70)	.450 (11.43)	MC10M-X-ND	2.89	5.36	11.96	20.63	37.13	99.00
14	.700 (17.78)	.650 (16.51)	MC14M-X-ND	4.04	7.51	16.75	28.88	51.98	138.60
16	.800 (20.32)	.750 (19.05)	MC16M-X-ND	4.62	8.58	19.14	33.00	59.40	158.40
20	1.000 (25.40)	.950 (24.13)	MC20M-X-ND	5.78	10.73	23.93	41.25	74.25	198.00
24	1.200 (30.48)	1.150 (29.21)	MC24M-X-ND	6.93	12.87	28.71	49.50	89.10	237.60
26	1.300 (33.02)	1.250 (31.75)	MC26M-X-ND	7.51	13.94	31.10	53.63	96.53	257.40
34	1.700 (43.18)	1.650 (41.91)	MC34M-X-ND	9.82	18.23	40.67	70.13	126.23	336.60
37	1.850 (46.99)	1.800 (45.72)	MC37M-X-ND	10.68	19.84	44.26	76.31	137.36	366.30
40	2.000 (50.80)	1.950 (49.53)	MC40M-X-ND	11.55	21.45	47.85	82.50	148.50	396.00
50	2.500 (63.50)	2.450 (62.23)	MC50M-X-ND	14.44	26.81	59.81	103.13	185.63	495.00
60	3.000 (76.20)	2.950 (74.93)	MC60M-X-ND	17.33	32.18	71.78	123.75	222.75	594.00
64	3.200 (81.28)	3.150 (80.01)	MC64M-X-ND	18.48	34.32	76.56	132.00	237.60	633.60

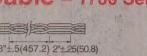
* Cable available on xxx ft. roll

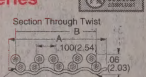
Twisted Pair Flat Cable – 1700 Series

PHYSICAL:
• Insulation Material: Polyvinyl Chloride (PVC)
• Flammability Rating: UL VW-1

ELECTRICAL:
• Voltage Rating: 300V
• Insulation Resistance: >1 x 10^{9}Ω/10 ft.

ENVIRONMENTAL:
• Temperature Rating: -4°F – 176°F (-20°C – 80°C)



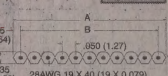


No. of Contacts	Dimensions Inch (mm) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*†
10	.50 (12.70)	.450 (11.43)	MC10F-X-ND	3.08	5.72	12.76	22.00	35.20
14	.70 (17.78)	.650 (16.51)	MC14F-X-ND	4.31	8.01	17.86	30.80	49.28
16	.80 (20.32)	.750 (19.05)	MC16F-X-ND	4.93	9.15	20.42	35.20	56.32
20	1.00 (25.40)	.950 (24.13)	MC20F-X-ND	6.16	11.44	25.52	44.00	70.40
26	1.30 (33.02)	1.250 (31.75)	MC26F-X-ND	8.01	14.87	33.18	57.20	91.52
34	1.70 (43.18)	1.650 (41.91)	MC34F-X-ND	10.47	19.45	43.38	74.80	119.68
36	1.80 (45.72)	1.750 (44.45)	MC36F-X-ND	11.09	20.59	45.94	79.20	126.72
40	2.00 (50.80)	1.950 (49.53)	MC40F-X-ND	12.32	22.88	51.04	88.00	140.80
50	2.50 (63.50)	2.450 (62.23)	MC50F-X-ND	15.40	28.60	63.80	110.00	176.00
60	3.00 (76.20)	2.950 (74.93)	MC60F-X-ND	18.48	34.32	76.56	132.00	211.20
64	3.20 (81.28)	3.150 (80.01)	MC64F-X-ND	19.71	36.61	81.66	140.80	225.28

* Cable available on xxx ft. roll † If ordered in full reel size, may contain a splice. Comes in unreel box.

High Flex Cable – 3319 Series

19 strands of high strength copper alloy provide the longest flex life available for dynamic applications. **PHYSICAL:** • Insulation Material: Polyvinyl Chloride (PVC) • Color: Black • Marking, Standard: None • CSA Option: UL AWM 2651 105C 300V VW1, 3M NU, CSA AWM 1A 105C 300V FT1 • Conductors: 28 AWG 19 x 40 (19 x 0.079) Silver Plated Stranded Copper Alloy (89% conductivity) **ELECTRICAL:** • Voltage Rating: 300V • Insulation Resistance: >1 x 10^{10}Ω/10 ft. (3m) **ENVIRONMENTAL:** • Temperature Rating: -4°F – 221°F (-20°C – 105°C) • Flammability Rating: UL: VW-1, CSA: FT1



No. of Contacts	Dimensions Inch (mm) A	B	Digi-Key Part No.	Note: X in Digi-Key Part No. Represents No. of Feet Pricing 5 ft.*	10 ft.*	25 ft.*	50 ft.*	100 ft.*
10	.50 (12.70)	.45 (11.43)	MC10H-X-ND	18.99	35.26	78.66	135.63	217.00
14	.70 (17.78)	.65 (16.51)	MC14H-X-ND	26.58	49.37	110.13	189.88	303.80
16	.80 (20.32)	.75 (19.05)	MC16H-X-ND	30.38	56.42	125.86	217.00	347.20
20	1.00 (25.40)	.95 (24.13)	MC20H-X-ND	37.98	70.53	157.33	271.25	434.00
24	1.20 (30.48) *	1.15 (29.21)	MC24H-X-ND	45.57	84.63	188.79	325.50	520.80
26	1.30 (33.02) *	1.25 (31.75)	MC26H-X-ND	49.37	91.68	204.52	352.63	564.20
34	1.70 (43.18)	1.65 (41.91)	MC34H-X-ND	64.56	119.89	267.45	461.13	737.80
37	1.85 (46.99)	1.80 (45.72)	MC37H-X-ND	70.25	130.47	291.05	501.81	802.90
40	2.00 (50.80)	1.95 (49.53)	MC40H-X-ND	75.95	141.05	314.65	542.50	868.00
50	2.50 (63.50)	2.45 (62.23)	MC50H-X-ND	94.94	176.31	393.31	678.13	1085.00
60	3.00 (76.20)	2.95 (74.93)	MC60H-X-ND	113.93	211.58	471.98	813.75	1302.00
64	3.20 (81.28)	3.15 (80.01)	MC64H-X-ND	121.52	225.67	503.43	867.98	1388.76

* Cable available on xxx ft. roll

molex Waldom ELECTRONICS Picoflex™ PF-50

PHYSICAL: • Pitch/Center Spacing: .050 Inch (1.27mm) • Cable Pitch: .050 Inch (1.27mm) • Wire Size (AWG): 26, 28 • Wire Type: Ribbon Cable • Termination Method: Insulation Displacement (IDT) • Housing Material: Receptacles: Polyester; Headers: Nylon Glass-Filled • Flammability Rating: UL 94V-0 • Contact: Receptacle: Phosphor Bronze (CuSn); Header: Brass • Minimum Durability (mating cycles): 30 cycles-Tin (Sn), 100 cycles-Gold (Au) • UL File: E29179 **ELECTRICAL:** • Max. Current: 1.2A • Max. Voltage Rating: 250V **ENVIRONMENTAL:** • Temperature Range: -40°C – 105°C

Fig. 1

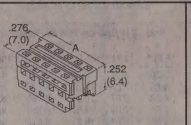


Fig. 2

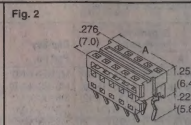


Fig. 3

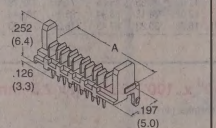


Fig. 4

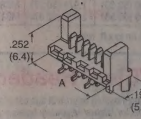


Fig.	Contact Finish	No. of Positions	Dimension A Inches (mm)	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
				Receptacles				
1	Tin	4	.299 (7.59)	WM19220-ND	.60	.56	.45	90327-0304
		6	.399 (10.13)	WM19221-ND	.84	.78	.62	90327-0306
		8	.499 (12.67)	WM19222-ND	1.00	.92	.74	90327-0308
		10	.599 (15.21)	WM19223-ND	1.20	1.11	.89	90327-0310
		12	.699 (17.75)	WM19224-ND	1.43	1.32	1.06	90327-0312
		14	.799 (20.29)	WM19225-ND	1.47	1.35	1.08	90327-0314
		16	.899 (22.83)	WM19226-ND	1.60	1.47	1.18	90327-0316
		18	.999 (25.37)	WM19227-ND	1.71	1.57	1.26	90327-0318
		20	1.099 (27.91)	WM19228-ND	1.90	1.75	1.40	90327-0320
		26	1.399 (35.53)	WM19229-ND	2.34	2.15	1.72	90327-0326
	Gold	4	.299 (7.59)	WM19230-ND	.78	.72	.58	90327-3304
		6	.399 (10.13)	WM19231-ND	1.09	1.01	.81	90327-3306
		8	.499 (12.67)	WM19232-ND	1.41	1.30	1.04	90327-3308
		10	.599 (15.21)	WM19233-ND	1.56	1.44	1.15	90327-3310
		12	.699 (17.75)	WM19234-ND	1.76	1.62	1.29	90327-3312
		14	.799 (20.29)	WM19235-ND	1.91	1.76	1.41	90327-3314
		16	.899 (22.83)	WM19236-ND	2.08	1.91	1.53	90327-3316
		18	.999 (25.37)	WM19237-ND	2.23	2.05	1.64	90327-3318
		20	1.099 (27.91)	WM19238-ND	2.47	2.27	1.82	90327-3320
		26	1.399 (35.53)	WM19239-ND	3.05	2.80	2.24	90327-3326
2	Tin	4	.299 (7.59)	WM19240-ND	.60	.56	.45	90584-1304
		6	.399 (10.13)	WM19241-ND	.92	.85	.68	90584-1306
		8	.499 (12.67)	WM19242-ND	1.00	.92	.74	90584-1308
		10	.599 (15.21)	WM19243-ND	1.20	1.11	.89	90584-1310
		12	.699 (17.75)	WM19244-ND	1.35	1.24	1.00	90584-1312
		14	.799 (20.29)	WM19245-ND	1.47	1.35	1.08	90584-1314
		16	.899 (22.83)	WM19246-ND	1.60	1.47	1.18	90584-1316
		18	.999 (25.37)	WM19247-ND	1.71	1.57	1.26	90584-1318
		20	1.099 (27.91)	WM19248-ND	1.90	1.75	1.40	90584-1320
		26	1.399 (35.53)	WM19249-ND	2.34	2.15	1.72	90584-1326
				Headers — Through Hole				
3	Tin	4	.367 (9.32)	WM19210-ND	.67	.61	.49	90325-9004
		6	.467 (11.86)	WM19211-ND	.72	.67	.53	90325-9006
		8	.567 (14.40)	WM19212-ND	.85	.78	.63	90325-9008
		10	.667 (16.94)	WM19213-ND	.98	.90	.72	90325-9010
		12	.767 (19.48)	WM19214-ND	1.08	1.00	.80	90325-9012
		14	.867 (22.02)	WM19215-ND	1.16	1.07	.86	90325-9014
		16	.967 (24.56)	WM19216-ND	1.49	1.37	1.10	90325-9016
		18	1.067 (27.10)	WM19217-ND	2.34	2.15	1.72	90325-9018
		20	1.167 (29.64)	WM19218-ND	1.80	1.65	1.32	90325-9020
		26	1.467 (37.26)	WM19219-ND	2.58	2.37	1.90	90325-9026
	Gold	4	.367 (9.32)	WM19200-ND	1.16	1.07	.85	90325-7004
		6	.467 (11.86)	WM19201-ND	1.59	1.46	1.17	90325-7006
		8	.567 (14.40)	WM19202-ND	1.98	1.82	1.45	90325-7008
		10	.667 (16.94)	WM19203-ND	2.45	2.25	1.80	90325-7010
		12	.767 (19.48)	WM19204-ND	2.95	2.71	2.17	90325-7012
		14	.867 (22.02)	WM19205-ND	3.29	3.02	2.42	90325-7014
		16	.967 (24.56)	WM19206-ND	3.68	3.38	2.70	90325-7016
		18	1.067 (27.10)	WM19207-ND	4.13	3.79	3.04	90325-7018
		20	1.167 (29.64)	WM19208-ND	3.40	3.12	2.50	90325-7020
		26	1.467 (37.26)	WM19209-ND	5.50	5.04	4.04	90325-7026
				Headers — SMD				
4	Tin	4	.349 (8.86)	WM19250-ND	.86	.79	.63	90814-0004
		6	.449 (11.40)	WM19251-ND	1.13	1.04	.83	90814-0006
		8	.549 (13.94)	WM19252-ND	1.27	1.17	.93	90814-0008
		10	.649 (16.48)	WM19253-ND	1.48	1.36	1.09	90814-0010
		12	.749 (19.02)	WM19254-ND	1.71	1.57	1.26	90814-0012
		14	.849 (21.56)	WM19255-ND	2.21	2.03	1.62	90814-0014
		16	.949 (24.10)	WM19256-ND	2.40	2.21	1.77	90814-0016
		18	1.049 (26.64)	WM19257-ND	2.59	2.38	1.91	90814-0018
		20	1.149 (29.18)	WM19258-ND	2.83	2.60	2.08	90814-0020
		26	1.449 (36.80)	WM19259-ND	3.58	3.28	2.63	90814-0026
	Gold	4	.349 (8.86)	WM19260-ND	1.00	.92	.74	90814-3004
		6	.449 (11.40)	WM19261-ND	1.17	1.07	.86	90814-3006
		8	.549 (13.94)	WM19262-ND	1.70	1.57	1.25	90814-3008
		10	.649 (16.48)	WM19263-ND	2.21	2.03	1.62	90814-3010
		12	.749 (19.02)	WM19264-ND	2.45	2.25	1.80	90814-3012
		14	.849 (21.56)	WM19265-ND	2.64	2.43	1.94	90814-3014
		16	.949 (24.10)	WM19266-ND	2.98	2.73	2.19	90814-3016
		18	1.049 (26.64)	WM19267-ND	3.31	3.03	2.43	90814-3018
		20	1.149 (29.18)	WM19268-ND	3.63	3.33	2.67	90814-3020
		26	1.449 (36.80)	WM19269-ND	4.61	4.23	3.38	90814-3026
				Tool				
Hand Tool for Picoflex				WM19270-ND		952.94/1		69008-1090

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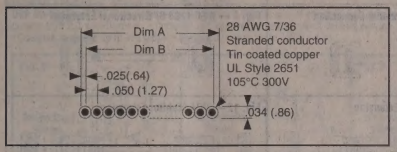
ASSMANN Flat Cable

Features: • Operating Voltage: 300Vrms • Test Voltage: 2000Vrms • Current Capacity: 1A • Insulation Resistance: >20 GΩ/m • Capacity: 45pF /m • Conductor Resistance: >230Ω /km • Impedance: 104Ω • Temperature Range: -30°C ~ 105°C • Color: Gray, red coded • Multi-Color Sequence: Brown, red, orange, yellow, green, blue, violet, gray, white, black



Conductors	Dimensions - Inch (mm) A	B
9	.450 (11.43)	.400 (10.16)
10	.500 (12.70)	.450 (11.43)
14	.700 (17.78)	.650 (16.51)
15	.750 (19.05)	.700 (17.78)
16	.800 (20.32)	.750 (19.05)
20	1.000 (25.40)	.950 (24.13)
24	1.200 (30.48)	1.150 (29.21)
25	1.250 (31.75)	1.200 (30.48)

Conductors	Dimensions - Inch (mm) A	B
26	1.300 (33.02)	1.250 (31.75)
30	1.500 (38.10)	1.450 (36.83)
34	1.700 (43.18)	1.650 (41.91)
37	1.850 (46.99)	1.800 (45.72)
40	2.000 (50.80)	1.950 (49.53)
50	2.500 (63.50)	2.450 (62.23)
60	3.000 (76.20)	2.950 (74.93)
64	3.200 (81.28)	3.150 (80.01)

Multi-Color Ribbon Cable*

With Standard 10 Color Repeat Sequence

No. of Contacts	Digi-Key Part No.	(Note: "X" in Digi-Key Part No. Represents No. of Feet) Pricing 5	10	25	50	100
9	AE09M-X-ND	3.45	6.16	14.86	28.66	53.07
10	AE10M-X-ND	3.11	5.55	13.40	25.85	47.87
14	AE14M-X-ND	4.71	8.41	20.30	39.15	72.50
15	AE15M-X-ND	4.86	8.68	20.94	40.39	74.79
16	AE16M-X-ND	5.47	9.76	23.57	45.45	84.17
20	AE20M-X-ND	6.66	11.89	28.70	55.35	102.50
24	AE24M-X-ND	7.65	13.65	32.96	63.56	117.71
25	AE25M-X-ND	8.40	14.98	36.17	69.75	129.17
26	AE26M-X-ND	8.61	15.37	37.10	71.55	132.50
30	AE30M-X-ND	9.17	16.37	39.52	76.22	141.15
34	AE34M-X-ND	11.27	20.11	48.53	93.60	173.33
37	AE37M-X-ND	13.11	23.39	56.47	108.90	201.67
40	AE40M-X-ND	13.11	23.39	56.47	108.90	201.67
50	AE50M-X-ND	15.39	27.31	65.92	127.12	235.42
60	AE60M-X-ND	18.35	32.75	79.04	152.44	282.29
64	AE64M-X-ND	21.40	38.18	92.17	177.75	329.17

** Cable available in 300 ft reel. Please call for pricing.*

Gray Ribbon Cable*

With Single Edge Red Strip For Pin One Orientation

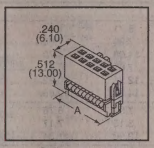
No. of Contacts	Digi-Key Part No.	(Note: "X" in Digi-Key Part No. Represents No. of Feet) Pricing 5	10	25	50	100
9	AE09G-X-ND	2.06	1.84	4.43	8.55	15.83
10	AE10G-X-ND	.90	1.61	3.88	7.48	13.86
14	AE14G-X-ND	1.29	2.30	5.55	10.70	19.81
15	AE15G-X-ND	1.33	2.38	5.75	11.08	20.53
16	AE16G-X-ND	1.42	2.54	6.13	11.82	21.88
20	AE20G-X-ND	2.28	4.06	9.80	18.90	35.00
24	AE24G-X-ND	1.73	3.09	7.47	14.40	26.67
25	AE25G-X-ND	2.82	5.03	12.13	23.40	43.33
26	AE26G-X-ND	2.98	5.32	12.83	24.75	45.83
30	AE30G-X-ND	2.18	3.89	9.72	18.09	33.50
34	AE34G-X-ND	3.52	6.28	15.17	29.25	54.17
37	AE37G-X-ND	3.74	13.53	16.10	31.05	57.50
40	AE40G-X-ND	3.85	6.86	16.57	31.95	59.17
50	AE50G-X-ND	4.66	8.31	20.07	38.70	71.67
60	AE60G-X-ND	5.31	9.47	22.87	44.10	81.67
64	AE64G-X-ND	5.89	10.51	25.38	48.94	90.63

** Cable available in 300 ft reel. Please call for pricing.*

FCI Quickie™

.100" x .100" (2.54 mm x 2.54 mm) Socket Connectors

Use .050" (1.27 mm) Pitch Ribbon Cable

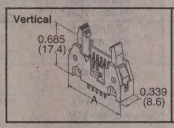


Specifications: • Current Rating: 1 Amp Continuous • Temperature Range: -65°C ~ 105°C • Plastic Material: Glass Filled High Temperature • Thermoplastic: UL94V-0, Color: Gray • Pin Material: Phosphor Bronze

No. of Positions	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	25	FCI Part No.
Center Key without Strain Relief					
10	1.176 (29.87)	609-1746-ND	1.21	17.13	71600-110LF
16	1.776 (45.11)	609-1747-ND	1.80	24.98	71600-116LF
20	2.176 (55.27)	609-1748-ND	1.41	19.52	71600-120LF
26	2.776 (70.51)	609-1749-ND	1.52	20.49	71600-126LF
34	3.576 (90.83)	609-1750-ND	2.60	39.02	71600-134LF
40	4.176 (106.07)	609-1751-ND	2.32	34.87	71600-140LF
50	5.176 (131.47)	609-1752-ND	3.02	46.33	71600-150LF
Center Key with Strain Relief					
10	1.176 (29.87)	609-1739-ND	1.32	17.74	71600-010LF
16	1.776 (45.11)	609-1740-ND	1.64	22.22	71600-016LF
20	2.176 (55.27)	609-1741-ND	1.35	18.19	71600-020LF
26	2.776 (70.51)	609-1742-ND	2.05	30.16	71600-026LF
34	3.576 (90.83)	609-1743-ND	2.35	34.72	71600-034LF
40	4.176 (106.07)	609-1744-ND	1.92	27.46	71600-040LF
50	5.176 (131.47)	609-1745-ND	2.71	40.17	71600-050LF
Crimp Tool					
Hand Press		609-1781-ND	1623.14	—	107484-002

Eject Latch Headers

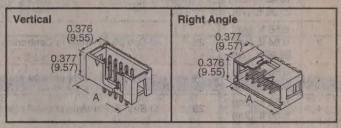
Specifications: • Contact Plating: 0.030 in. (0.76 mm - 30 min.) Gold • Current Rating: 1 Amp Continuous • Temperature Range: -65°C ~ 125°C • Housing Material: Glass Filled • Thermoplastic: UL94V-0, Color: Gray • Pin Material: Phosphor Bronze • 40N min. Latch Retention Force at First Extraction



No. of Positions	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	25	FCI Part No.
Vertical Header with Standard Latch					
10	1.760 (44.70)	609-1753-ND	1.53	21.36	71918-110LF
16	2.360 (59.94)	609-1754-ND	1.77	24.64	71918-116LF
20	2.760 (70.10)	609-1755-ND	1.91	27.28	71918-120LF
26	3.360 (85.34)	609-1756-ND	2.14	30.64	71918-126LF
34	4.160 (105.66)	609-1757-ND	2.40	36.03	71918-134LF
40	4.760 (120.90)	609-1758-ND	3.12	48.15	71918-140LF
50	5.760 (146.30)	609-1759-ND	3.15	48.30	71918-150LF
Right Angle Header with Standard Latch					
10	1.760 (44.70)	609-1760-ND	1.53	21.36	71922-110LF
16	2.360 (59.94)	609-1761-ND	2.37	35.62	71922-116LF
20	2.760 (70.10)	609-1762-ND	1.96	27.96	71922-120LF
26	3.360 (85.34)	609-1763-ND	2.14	30.64	71922-126LF
34	4.160 (105.66)	609-1764-ND	2.34	35.15	71922-134LF
40	4.760 (120.90)	609-1765-ND	2.66	39.52	71922-140LF
50	5.760 (146.30)	609-1766-ND	3.15	48.30	71922-150LF

Low Profile Headers

Specifications: • Contact Plating: 0.030 in. (0.76 mm -30 min.) Gold • Current Rating: 3 Amps Continuous • Temperature Range: -65°C ~ 125°C • Housing Material: Glass Filled • Thermoplastic: UL94V-0, Color: Blue • Pin Material: Phosphor Bronze



No. of Positions	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	25	FCI Part No.
Vertical Headers					
10	1.284 (32.61)	609-1774-ND	1.68	23.34	75869-101LF
16	1.884 (47.85)	609-1775-ND	1.66	22.38	75869-103LF
20	2.284 (58.01)	609-1776-ND	1.50	20.99	75869-104LF
26	2.884 (73.25)	609-1777-ND	1.81	25.88	75869-105LF
34	3.684 (93.57)	609-1778-ND	2.33	34.48	75869-106LF
40	4.284 (108.81)	609-1779-ND	2.63	39.49	75869-107LF
50	5.284 (134.21)	609-1780-ND	3.22	49.30	75869-108LF
Right Angle Headers					
10	1.284 (32.61)	609-1767-ND	1.15	15.80	75867-101LF
16	1.884 (47.85)	609-1768-ND	1.75	24.31	75867-103LF
20	2.284 (58.01)	609-1769-ND	1.55	20.96	75867-104LF
26	2.884 (73.25)	609-1770-ND	1.93	27.56	75867-105LF
34	3.684 (93.57)	609-1771-ND	2.75	40.84	75867-106LF
40	4.284 (108.81)	609-1772-ND	2.55	38.31	75867-107LF
50	5.284 (134.21)	609-1773-ND	3.65	56.58	75867-108LF

molex Waldom ELECTRONICS

.100" (2.54mm) Round Conductor Flat Cable in Precut Lengths

26 AWG (7 x 34) Stranded, Topcoat

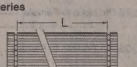
Features:
• Gray PVC insulation • U.L. Temperature Rating: -20°C ~ 105°C • U.L. Voltage: 300V maximum • U.L. Flammability Rating: VW-1 • U.L. Style No. 2651 • U.L. Recognized (File #E61522) • CSA Certification (File #LL61126)

Pos.	Digi-Key Part No.	Pricing 1	10	Molex Part No.
3	WM03-02A-ND‡	.44	3.88	25001-0302
	WM03-04A-ND‡	.53	4.69	25001-0304
	WM03-06A-ND‡	.65	5.70	25001-0306
4	WM04-02A-ND‡	.62	5.45	25001-0402
	WM04-04A-ND‡	.77	6.76	25001-0404
	WM04-06A-ND‡	.95	8.39	25001-0406
5	WM05-02A-ND‡	.64	5.63	25001-0502
	WM05-04A-ND‡	.73	6.43	25001-0504
	WM05-06A-ND‡	1.01	8.89	25001-0506
6	WM06-02-ND	.66	5.82	28100-0276
	WM06-02A-ND‡	.66	5.82	25001-0602
	WM06-04A-ND‡	.84	7.39	25001-0604
	WM06-06A-ND‡	.84	7.39	25001-0606
7	WM07-02A-ND‡	.67	5.95	25001-0702
	WM07-04A-ND‡	.88	7.76	25001-0704
	WM07-06A-ND‡	1.12	9.89	25001-0706

Pos.	Digi-Key Part No.	Pricing 1	10	Molex Part No.
8	WM08-06-ND	1.18	10.45	28100-0286
	WM08-02A-ND‡	.70	6.14	25001-0802
	WM08-04A-ND‡	.92	8.14	25001-0804
	WM08-06A-ND‡	1.18	10.45	25001-0806
9	WM09-02A-ND‡	.72	6.32	25001-0902
	WM09-04A-ND‡	.96	8.45	25001-0904
	WM09-06-ND	1.24	10.96	28100-0290
	WM09-06A-ND‡	1.24	10.96	25001-0906
10	WM10-02-ND	.74	6.51	28100-0292
	WM10-02A-ND‡	.74	6.51	25001-1002
	WM10-04-ND	1.01	8.89	28100-0293
	WM10-04A-ND‡	1.01	8.89	25001-1004
	WM10-06A-ND‡	1.31	11.58	25100-1006

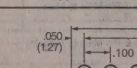
‡ *RoHS Compliant*

28100 Series

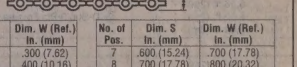


Digi-Key Part No.	Dim. L In. (mm)
XXXX-02-ND	2" (50.80)
XXXX-04-ND	4" (101.6)
XXXX-06-ND	6" (152.4)

25001 Series



Digi-Key Part No.	Dim. L In. (mm)
XXXX-02A-ND	2" (50.80)
XXXX-04A-ND	4" (101.6)
XXXX-06A-ND	6" (152.4)



No. of Pos.	Dim. S In. (mm)	Dim. W (Ref.) In. (mm)
3	.200 (5.08)	.300 (7.62)
4	.300 (7.62)	.400 (10.16)
5	.400 (10.16)	.500 (12.7)
6	.500 (12.70)	.600 (15.24)
7	.600 (15.24)	.700 (17.78)
8	.700 (17.78)	.800 (20.32)
9	.800 (20.32)	.900 (22.86)
10	.900 (22.86)	1.000 (25.40)

Fig. 1 — Parallel Extension

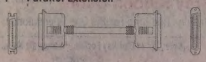


Fig. 2 — Parallel Printer (Snap Hood)

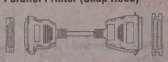


Fig. 3 — Parallel Printer (Molded Hood)

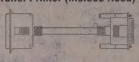


Fig. 4 — Right Angle Parallel Printer

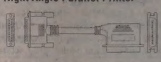


Fig. 5 — Serial Printer (Snap Hoods)

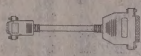


Fig. 6 — IEEE 1284 Bi-Directional Printer

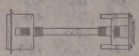


Fig. 7 — IEEE 1284 Bi-Directional Connection

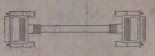


Fig. 8 — IEEE 1284 Bi-Directional Extension

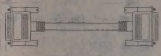


Fig. 9 — Connection Cable, 25-Pin Interface Serial/Parallel

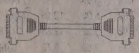


Fig. 10 — 25-Pin Interface Extension

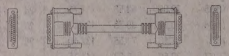


Fig. 11 — 9-Pin Interface Extension

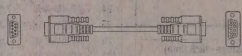


Fig. 12 — VGA Monitor Extension

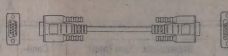


Fig.	Length Feet (Meters)	Lines	Description	Digi-Key Part No.	Price Each 1	10	25	Assmann Part No.
			Molded Extension for 36-Pin Centronics Interfaces					
1	6.56 ft. (2m)	36	2x Centronics 36-Pin Female to Female	AE1000-ND	12.38	10.88	9.75	AK155-2
	9.84 ft. (3m)			AE1001-ND	16.50	14.50	13.00	AK434-3
	6.56 ft. (2m)	36	2x Centronics 36-Pin Male to Male	AE1002-ND	10.73	9.43	8.45	AK138-2
	6.56 ft. (2m)			AE1362-NDΔ	13.30	11.69	10.48	AK138-2-R
	9.84 ft. (3m)			AE1003-ND	15.02	13.20	11.83	AK426-3
	9.84 ft. (3m)			AE1363-NDΔ	18.12	15.93	14.28	AK426-3-R
	6.56 ft. (2m)	36	2x Centronics 36-Pin Male to Female	AE1004-ND	11.55	10.15	9.10	AK140-2
	6.56 ft. (2m)			AE1364-NDΔ	13.96	12.27	11.00	AK140-2-R
	9.84 ft. (3m)			AE1005-ND	15.68	13.78	12.35	AK430-3
	9.84 ft. (3m)			AE1365-NDΔ	16.01	14.07	12.61	AK430-3-R
			Parallel Printer Cable, IBM PC and Compatibles					
2	5.90 ft. (1.8m)	25	D-Sub 25-Pin Male to Centronics 36-Pin Male, Snap-Hoods	AE1366-NDΔ	8.71	7.66	6.87	AK101-1.8-R
	9.84 ft. (3m)			AE1007-ND	7.99	7.02	6.30	AK102-3
	9.84 ft. (3m)			AE1367-NDΔ	11.06	9.72	8.71	AK102-3-R
	16.40 ft. (5m)			AE1099-ND	7.06	6.21	5.57	AK103-5
	16.40 ft. (5m)			AE9857-NDΔ	12.31	10.82	9.70	AK103-5-R
	22.96 ft. (7m)			AE9853-NDΔ	14.39	12.65	11.34	AK104-7-R
3	6.56 ft. (2m)	25	D-Sub 25-Pin Male to Centronics 36-Pin Male, Molded Hoods	AE9858-NDΔ	7.69	6.76	6.06	AK108-2-R
	9.84 ft. (3m)			AE1368-NDΔ	8.15	7.17	6.43	AK127-3-R
	22.96 ft. (7m)			AE9859-NDΔ	12.90	11.34	10.17	AK159-7-R
4	6.56 ft. (2m)	25	D-Sub 25-Pin Male to Right Angle Centronics 36-Pin Male	AE1008-ND	7.16	6.30	5.65	AK525-2
	6.56 ft. (2m)			AE9860-NDΔ	9.74	8.56	7.67	AK525-2-R
4	6.56 ft. (2m)	25	D-Sub 25-Pin Male to Left Angle Centronics 36-Pin Male	AE1009-ND	8.25	7.25	6.50	AK525-L2
	6.56 ft. (2m)			AE1369-NDΔ	9.74	8.56	7.67	AK525-L2-R
			Parallel Printer Cable, IBM PC and Compatibles					
5	9.84 ft. (3m)	8	D-Sub 9-Pin Female to D-Sub 25-Pin Male, Snap-Hoods	AE1370-NDΔ	6.63	5.83	5.23	AK150-3-R
			IEEE 1284 Bi-Directional Cable - Molded Hoods					
6	5.90 ft. (1.8m)	25	D-Sub 25-Pin Male to Centronics 36-Pin Male, Printer	AE1105-ND	10.26	9.02	8.09	AK711-1.8
	5.90 ft. (1.8m)			AE1371-NDΔ	14.36	12.62	11.31	AK711-1.8-R
	9.84 ft. (3m)			AE1106-ND	13.79	12.13	10.87	AK712-3
	9.84 ft. (3m)			AE1372-NDΔ	20.13	17.69	15.86	AK712-3-R
	16.40 ft. (5m)			AE1107-ND	18.65	16.39	14.69	AK713-5
	16.40 ft. (5m)			AE1373-NDΔ	28.15	24.74	22.18	AK713-5-R
7	5.90 ft. (1.8m)	25	D-Sub 25-Pin Male to D-Sub 25-Pin Female, Connection	AE1108-ND	10.82	9.52	8.53	AK733-1.8
	5.90 ft. (1.8m)			AE9861-NDΔ	15.28	13.43	12.04	AK733-1.8-R
	9.84 ft. (3m)			AE1109-ND	14.59	12.82	11.50	AK734-3
	9.84 ft. (3m)			AE1374-NDΔ	21.48	18.88	16.93	AK734-3-R
	16.40 ft. (5m)			AE1110-ND	20.53	18.04	16.18	AK735-5
	16.40 ft. (5m)			AE1375-NDΔ	28.15	24.74	22.18	AK735-5-R
8	5.90 ft. (1.8m)	25	D-Sub 25-Pin Male to D-Sub 25-Pin Male, Extension	AE9862-NDΔ	16.30	14.33	12.85	AK736-1.8-R
	9.84 ft. (3m)			AE1113-ND	13.93	12.24	10.98	AK737-3
	9.84 ft. (3m)			AE1376-NDΔ	21.48	18.88	16.93	AK737-3-R
	16.40 ft. (5m)			AE1114-ND	20.66	18.16	16.28	AK738-5
	16.40 ft. (5m)			AE1377-NDΔ	28.15	24.74	22.18	AK738-5-R
			Snap-Hood Connection for 25-Pin Interface					
9	6.56 ft. (2m)	25	D-Sub 25-Pin Male to D-Sub 25-Pin Male, Snap-Hoods	AE9863-NDΔ	6.77	5.95	5.33	AK401-2-R
			Molded Extension for 25-Pin Interfaces					
10	6.56 ft. (2m)	25	2x D-Sub 25-Pin Male to Male	AE1010-ND	6.93	6.09	5.46	AK137-2
	6.56 ft. (2m)			AE1378-NDΔ	8.91	7.83	7.02	AK137-2-R
	9.84 ft. (3m)			AE9864-NDΔ	11.91	10.47	9.39	AK162-3-R
	6.56 ft. (2m)	25	2x D-Sub 25-Pin Male to Female	AE9865-NDΔ	10.20	8.97	8.04	AK135-2-R
	9.84 ft. (3m)			AE9866-NDΔ	9.83	8.65	7.75	AK166-3-R
	6.56 ft. (2m)	25	2x D-Sub 25-Pin Female to Female	AE1014-ND	7.23	6.36	5.70	AK133-2
	6.56 ft. (2m)			AE9867-NDΔ	8.58	7.54	6.76	AK133-2-R
	9.84 ft. (3m)			AE9868-NDΔ	11.52	10.13	9.08	AK170-3-R
			Molded Extension for 9-Pin Interfaces					
11	6.56 ft. (2m)	9	2x D-Sub 9-Pin Male to Male	AE9869-NDΔ	6.57	5.78	5.18	AK129-2-R
	9.84 ft. (3m)			AE9870-NDΔ	7.26	6.38	5.72	AK174-3-R
	6.56 ft. (2m)	9	2x D-Sub 9-Pin Male to Female	AE1379-NDΔ	5.51	4.85	4.35	AK131-2-R
	9.84 ft. (3m)			AE1021-ND	6.01	5.28	4.74	AK178-3
	9.84 ft. (3m)			AE9871-NDΔ	6.86	6.04	5.41	AK178-3-R
	6.56 ft. (2m)	9	2x D-Sub 9-Pin Female to Female	AE1016-ND	5.35	4.70	4.22	AK152-2
	6.56 ft. (2m)			AE9872-NDΔ	6.80	5.98	5.36	AK152-2-R
	9.84 ft. (3m)			AE9873-NDΔ	7.16	6.30	5.65	AK182-3-R
			VGA Monitor Extension Cable - IBM PS/2					
12	6.56 ft. (2m)	—	2x HD D-Sub 15-Pin Male to Female	AE1022-ND	6.01	5.28	4.74	AK322-2
	6.56 ft. (2m)			AE1380-NDΔ	7.59	6.67	5.98	AK322-2-R

Δ *RoHS Compliant*

USB Connectors

USB Standard Features: • Broad industry support from computer and telecom leaders • 12 Mbit/sec low-cost data transfer rates • Provides PC/telephone integration and digital connectivity • Standard serial port connector for all devices • Supports daisy chaining and up to 127 devices • Windows '95 Operating Driver support **Applications:** • Desktop and Notebook PCs • Peripherals • Keyboard, Mouse • Telephony, ISDN, PBX's, Handsets
USB Receptacles: • Electrical: Voltage: 30V • Current: up to 1.5A • Contact Resistance: 30mΩ maximum • Dielectric Withstanding Voltage: 750VAC • Insulation Resistance: 1000MΩ minimum •Housing: Glass fiber-filled polyester, UL94V-0 • Metal Shell: Copper Alloy • Plating: Gold
USB On-the-Go (OTG) Connectors: • Approximately 1/8th the size of standard USB-B connectors • Fully compliant with current USB 2.0 specifications • Compact and lightweight design meets various portable and mobile equipment needs • Operates at speeds up to 480 Mbps • Rugged durability up to 5,000 cycles

Dim. in mm

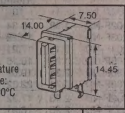
Fig. 1


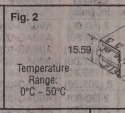
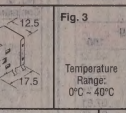
Fig. 2


Fig. 3


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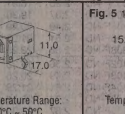

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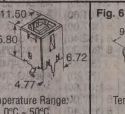

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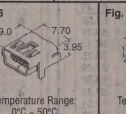

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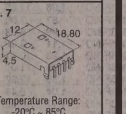

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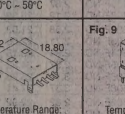

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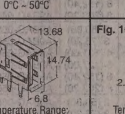

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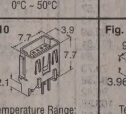

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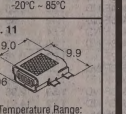


Fig.	Description	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
1	Type 'A' Upright, Right Angle	WM17112-ND	2.05	1.82	1.21	89485-8000
2	Type 'A' Dual Stacked, Right Angle, White	WM17130-ND◊	1.41	1.25	.84	67298-4090
3	Type 'A' 4 Stacked, Right Angle, Black	WM17111-ND	6.85	6.05	4.03	67857-0011
4	Type 'B' Single, Right Angle, Black	WM17113-ND	1.92	1.70	1.13	67068-8000
	Type 'B' Single, Right Angle, White	WM17131-ND◊	2.06	1.82	1.22	67068-9000
5	Type 'B' Vertical with Paired Boardlocks and Grounding Pins	WM17114-ND	1.61	1.42	.95	67265-2000
6	Type 'Mini-B' OTG, Right Angle, PCB Mount	WM17115-ND	2.10	1.69	1.13	54819-0519
	Type 'Mini-AB' OTG, Right Angle, 5 Position, PCB Mount	WM17121-ND◊	2.73	2.41	1.61	56579-0519
7	Type 'A' Single, Right Angle, PCB Mount	WM17117-ND◊	1.85	1.64	1.10	48037-0001
8	Type 'A' Single, Right Angle, SMD	WM17118-ND◊	1.85	1.64	1.10	48037-1000
9	Type 'A' Single, Upright Right Angle, PCB Mnt.	WM17119-ND◊	1.87	1.66	1.11	47500-0000
10	Type 'Mini-B', USB OTG, Vertical, 5 Position, PCB Mount	WM17120-ND◊	7.21	6.36	4.24	500075-0517
11	Type 'Mini-B', USB OTG, Right Angle, 5-Pos. SMD	WM17116CT-ND◊	1.69	1.36	1.13	54819-0572
		WM17116TR-ND§		541.60/800		54819-0572
	Type 'Mini-AB', USB OTG, Right Angle, SMD, with Cover Tape	WM17122CT-ND◊	3.04	2.44	2.03	56579-0576
		WM17122TR-ND◊§		972.00/800		56579-0576

§ Tape and Reel Pricing ◊ *RoHS Compliant*

USB Cable Assemblies and Connectors

Fig. 1 and Fig. 2
Features: • Fully-shielded and polarized plugs • Friction grip on over-molded body facilitates easy mating and unmating. **Electrical:** • Voltage: 30V • Current: 1.0A • Contact Resistance: 30mΩ max. • Dielectric Withstanding Voltage: 750VAC • Insulation Resistance: 1000MΩ min. **Mechanical:** • Mating Force: 35N max. • Withdrawal Force: 10N min. • Durability: 1500 cycles min.

Fig. 3
Features: • Approximately 1/8 the size of standard USB-B connectors • Fully compliant with current USB 2.0 specifications **Electrical:** • Voltage: 30V • Current: 1.0A • Contact Resistance: 50mΩ max. • Dielectric Withstanding Voltage: 100 AC/1 minute • Insulation Resistance: 100MΩ min.

Fig. 4
Features: • Contact: Copper (Cu) Alloy • Plating: Contact: 0.76µm (30µ") Gold (Au) •Color: White **Electrical:** Current: 1.0A max. • Voltage: 30V max. • Dielectric Strength: 500VDC • Insulation Resistance: 100MΩ

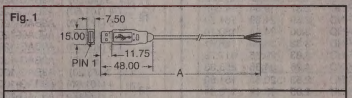
Fig. 1


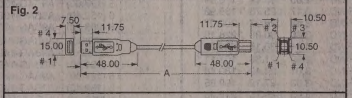
Fig. 2


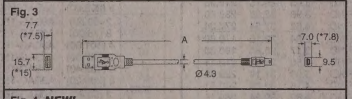
Fig. 3


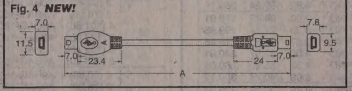
Fig. 4 ***NEW!***


Fig.	Dim. A (mm)	Description	Digi-Key Part No.	Price Each 1	10	25	Molex Part No.
1	2080	USB Type 'A-to-Pigtail' Full-Rated	WM17104-ND	4.79	3.84	3.20	88728-3400
	2080	USB Type 'A-to-Pigtail' Sub-Channel	WM17105-ND	3.56	2.85	2.38	88738-8200
2	2090	USB Type 'A-to-B' Full-Rated	WM17103-ND	5.01	4.02	3.35	88732-9200
3	1083.2	USB Type 'A to Mini-B'	WM5975-ND	16.41	13.13	10.95	59204-9401
	1000	USB Type 'A to Mini-B'	WM17492-ND◊ ***NEW!***	4.25	3.41	2.84	88732-8600
	1000	USB Type 'A to Mini-B'	WM17493-ND◊ ***NEW!***	4.25	3.41	2.84	88732-8602
4	1000	USB Type 'Mini-A to Mini-B'	WM17494-ND◊ ***NEW!***	4.83	3.87	3.22	88753-8200

◊ *RoHS Compliant*

Firewire 1394 I/O Connectors

Headers are offered in high temperature plastic for true SMT processing. Full metal shielding design supports ESD protection. Rugged gold plated leaf contacts withstands up to 1500 cycles.

Fig.	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
1	WM17302-ND	4.61	4.07	2.72	53462-0629
2	WM17303-ND	4.61	4.07	2.72	53460-0629

Fig. 1 – Right Angle Flat Header

Fig. 2 – Right Angle Upright Header

EDAC USB and Firewire Connectors

EDAC series 690 USB (Universal Serial Bus) and series 693 (IEEE 1394) connectors are industry-standard data transfer devices used to interconnect computers to peripheral devices such as scanners and printers. A wide variety of unique right angle vertical that minimizes board space. USB products are compatible with asynchronous and isochronous data transfer methods up to 1.2 Mbps and utilize plug and play technology. EDAC manufactures both USB and IEEE 1394 connectors in through-hole or SMT board styles as well as molded cable assemblies for USB A, B, mini-USB and IEEE variations.

Specifications: • USB 1.1 or USB 2.0 available • Minimum Mating Cycles: 1500 per EIA 364-09 • Insulator Housing: UL 94V-0 thermoplastic • Contact Material: P Bronze (USB), Copper Alloy (1394) • Contact Plating: Gold Flash or Gold Plate over nickel • Contact Resistance: 30mΩ maximum • Insulation Resistance: 100MΩ minimum • Current Rating: 1A maximum under 30°C • Voltage Rating: 30VAC rms maximum • DW Voltage: 750VAC @ 0 at sea level (USB), DC500 (1394) • Shield Housing: Copper alloy • Mate/Unmate: 35/10 Newtons per EIA 364-13 • Temperature Range: -55°C ~ 85°C

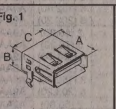
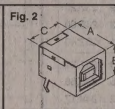
Fig. 1


Fig. 2


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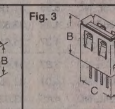

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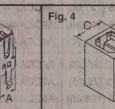

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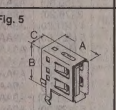

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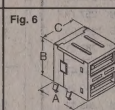

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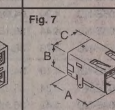

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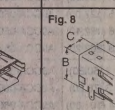

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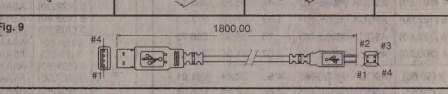


Fig.	Description	Dimension (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	EDAC Part No.
	USB CONNECTORS								
1	Type 'A' Single, Horizontal Rt. Ang.	14.00	6.99	13.10	151-1080-ND	.81	.72	.58	690-004-621-013
2	Type 'B' Single, Horizontal Rt. Ang.	16.00	10.62	12.04	151-1081-ND	1.02	.91	.73	690-004-621-023
3	Type 'A' Single, Vertical Straight	7.62	15.00	14.50	151-1082-ND	.84	.75	.60	690-004-660-013
4	Type 'B' Single, Vertical Straight	12.04	16.00	11.30	151-1083-ND	.74	.66	.53	690-004-660-023
5	Type 'A' Single, Vertical Rt. Angle	14.10	13.15	7.56	151-1084-ND	1.02	.91	.73	690-004-661-013
6	Type 'A' Dual Stacked, Horizontal Right Angle	16.96	15.49	13.10	151-1085-ND	1.46	1.30	1.04	690-008-621-013
	USB Cable Assembly								
9	USB Type 'A'/M to USB Type 'B'/M	—	—	—	151-1079-ND	3.32	2.95	2.36	628-000-943
	FIREWIRE CONNECTORS								
7	IEEE 1394A Single, Horiz. Rt. Ang.	16.25	8.70	13.50	151-1086-ND	1.15	1.02	.82	693-006-620-003
8	IEEE 1394A Single, Vert. Rt. Ang.	18.00	13.50	5.30	151-1087-ND	7.07	6.27	5.02	693-006-621-003

FCI USB Interconnect System

The USB interconnect system is designed to combine all personal computing interface ports into one connector. This system is plug-and-play, hot pluggable and can handle data rates up to 12 Mbps.
Specifications: • Meets USB Standard • Durability: 1,500 Cycles • Withstanding Voltage: 30 rms • Current Rating: 1A Contact • Low Level Contact Resistance: 30mΩ maximum

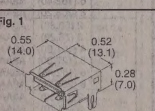
Fig. 1


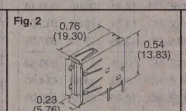
Fig. 2


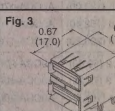
Fig. 3


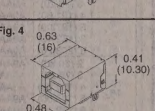
Fig. 4


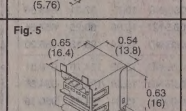
Fig. 5


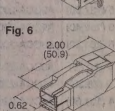
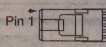
Fig. 6


Fig.	Description	Digi-Key Part No.	Price Each 1	25	100	FCI Part No.
1	Type 'A' Single, Right Angle	609-1045-ND	.88	.44	.38	87520-0010BLF
2	Type 'A' Single, Up-Right	609-1041-ND	.99	.52	.44	73725-0110BLF
3	Type 'A' Dual, Right Angle	609-1040-ND	1.34	.72	.62	72309-8034BLF
4	Type 'B' Single, Right Angle	609-1039-ND	1.04	.54	.46	61729-0010BLF
5	USB + Power Receptacle, Right Angle	609-1038-ND	5.38	3.43	3.13	55917-501LF
6	USB + Power Plug, Cable OD= 5.80 mm	609-1042-ND	10.18	7.22	6.64	74233-100LF
	USB + Power Plug, Cable OD= 5.10 mm	609-1043-ND	10.18	7.22	6.64	74233-101LF
	USB + Power Plug, Cable OD= 6.60 mm	609-1044-ND	10.18	7.22	6.64	74233-102LF

A

.050" (1.27mm) Flat Flex Cable Assemblies

Receptacle Housing with Latch to Receptacle Housing with Latch



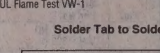
Latch Style Housing — Material: Black thermoplastic, flame retardant, 94V-0 rated. Duplex plated contacts. 30µ gold on mating area.

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
4	2 (50.80)	A9CCA-0402E-ND	3.53	28.77	212.00
	3 (76.20)	A9CCA-0403E-ND	3.67	29.91	220.40
	4 (101.60)	A9CCA-0404E-ND	3.81	31.05	228.80
	5 (127.00)	A9CCA-0405E-ND	3.95	32.19	237.20
	6 (152.40)	A9CCA-0406E-ND	4.09	33.33	245.60
	8 (203.20)	A9CCA-0408E-ND	4.37	35.61	262.40
5	2 (50.80)	A9CCA-0502E-ND	3.87	31.48	231.95
	3 (76.20)	A9CCA-0503E-ND	4.01	32.65	240.56
	4 (101.60)	A9CCA-0504E-ND	4.15	33.82	249.17
	5 (127.00)	A9CCA-0505E-ND	4.30	34.98	257.78
	6 (152.40)	A9CCA-0506E-ND	4.44	36.15	266.39
	8 (203.20)	A9CCA-0508E-ND	4.73	38.49	283.61
6	2 (50.80)	A9CCA-0602E-ND	4.19	34.13	251.47
	3 (76.20)	A9CCA-0603E-ND	4.34	35.32	260.29
	4 (101.60)	A9CCA-0604E-ND	4.49	36.52	269.11
	5 (127.00)	A9CCA-0605E-ND	4.63	37.72	277.93
	6 (152.40)	A9CCA-0606E-ND	4.78	38.92	286.75
	8 (203.20)	A9CCA-0608E-ND	5.07	41.31	304.39
8	2 (50.80)	A9CCA-0802E-ND	4.85	39.49	291.01
	3 (76.20)	A9CCA-0803E-ND	5.00	40.75	300.25
	4 (101.60)	A9CCA-0804E-ND	5.16	42.00	309.49
	5 (127.00)	A9CCA-0805E-ND	5.31	43.26	318.73
	6 (152.40)	A9CCA-0806E-ND	5.47	44.51	327.97
	8 (203.20)	A9CCA-0808E-ND	5.77	47.02	346.45
10	2 (50.80)	A9CCA-1002E-ND	5.53	45.03	331.83
	3 (76.20)	A9CCA-1003E-ND	5.69	46.34	341.49
	4 (101.60)	A9CCA-1004E-ND	5.85	47.66	351.15
	5 (127.00)	A9CCA-1005E-ND	6.01	48.97	360.81
	6 (152.40)	A9CCA-1006E-ND	6.17	50.28	370.47
	8 (203.20)	A9CCA-1008E-ND	6.50	52.90	389.79
12	2 (50.80)	A9CCA-1202E-ND	6.24	50.78	374.17
	3 (76.20)	A9CCA-1203E-ND	6.41	52.18	384.46
	4 (101.60)	A9CCA-1204E-ND	6.58	53.57	394.75
	5 (127.00)	A9CCA-1205E-ND	6.75	54.97	405.04
	6 (152.40)	A9CCA-1206E-ND	6.92	56.37	415.33
	8 (203.20)	A9CCA-1208E-ND	7.27	59.16	435.91
17	2 (50.80)	A9CCA-1702E-ND	12.72	103.55	763.01
	3 (76.20)	A9CCA-1703E-ND	12.92	105.23	775.40
	4 (101.60)	A9CCA-1704E-ND	13.13	106.91	787.79
	5 (127.00)	A9CCA-1705E-ND	13.34	108.60	800.18
	6 (152.40)	A9CCA-1706E-ND	13.54	110.28	812.57
	8 (203.20)	A9CCA-1708E-ND	13.96	113.64	837.35
20	2 (50.80)	A9CCA-2002E-ND	10.01	81.50	600.52
	3 (76.20)	A9CCA-2003E-ND	10.25	83.44	614.80
	4 (101.60)	A9CCA-2004E-ND	10.48	85.37	629.08
	5 (127.00)	A9CCA-2005E-ND	10.72	87.31	643.36
	6 (152.40)	A9CCA-2006E-ND	10.96	89.25	657.64
	8 (203.20)	A9CCA-2008E-ND	11.44	93.13	686.20
22	2 (50.80)	A9CCA-2202E-ND	15.32	124.76	919.31
	3 (76.20)	A9CCA-2203E-ND	15.58	126.87	934.85
	4 (101.60)	A9CCA-2204E-ND	15.84	128.98	950.39
	5 (127.00)	A9CCA-2205E-ND	16.10	131.09	965.93
	6 (152.40)	A9CCA-2206E-ND	16.36	133.20	981.47
	8 (203.20)	A9CCA-2208E-ND	16.88	137.42	1012.55
25	2 (50.80)	A9CCA-2502E-ND	15.60	126.99	935.74
	3 (76.20)	A9CCA-2503E-ND	15.90	129.44	953.80
	4 (101.60)	A9CCA-2504E-ND	16.20	131.90	971.86
	5 (127.00)	A9CCA-2505E-ND	16.50	134.35	989.92
	6 (152.40)	A9CCA-2506E-ND	16.80	136.80	1007.98
	8 (203.20)	A9CCA-2508E-ND	17.40	141.70	1044.10

.100" (2.54mm) Flat Flex Cable Assemblies

.100 (2.54mm) Flat Flex Cable Material: • Conductors: Un-plated copper per QQ-C-502 • Insulation: Flame retardant polyester film **Performance Characteristics:** • Current Rating: 2 amperes (28AWG equivalent) • Voltage Rating: 300 volts • Temperature Rating: -20°C ~ 105°C • Insulation Resistance: 5000 megohms (min.) • Insulation Flammability: Polyester, self-extinguishing per UL Flame Test VW-1

Solder Tab to Solder Tab

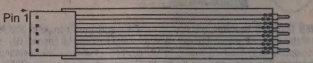


Solder Tab pin

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
2	2 (50.80)	A9AAT-0202F-ND	.67	5.43	40.02
	3 (76.20)	A9AAT-0203F-ND	.78	6.37	46.92
	4 (101.60)	A9AAT-0204F-ND	.90	7.30	53.81
	5 (127.00)	A9AAT-0205F-ND	1.01	8.24	60.71
	6 (152.40)	A9AAT-0206F-ND	1.13	9.18	67.61
	8 (203.20)	A9AAT-0208F-ND	1.36	11.05	81.41
3	2 (50.80)	A9AAT-0302F-ND	.87	7.05	51.92
	3 (76.20)	A9AAT-0303F-ND	.99	8.03	59.19
	4 (101.60)	A9AAT-0304F-ND	1.11	9.02	66.47
	5 (127.00)	A9AAT-0305F-ND	1.23	10.01	73.75
	6 (152.40)	A9AAT-0306F-ND	1.35	11.00	81.02
	8 (203.20)	A9AAT-0308F-ND	1.59	12.97	95.58
4	2 (50.80)	A9AAT-0402F-ND	1.04	8.48	62.45
	3 (76.20)	A9AAT-0403F-ND	1.17	9.50	70.01
	4 (101.60)	A9AAT-0404F-ND	1.29	10.53	77.57
	5 (127.00)	A9AAT-0405F-ND	1.42	11.55	85.13
	6 (152.40)	A9AAT-0406F-ND	1.54	12.58	92.69
	8 (203.20)	A9AAT-0408F-ND	1.80	14.63	107.81
5	2 (50.80)	A9AAT-0502F-ND	1.20	9.76	71.89
	3 (76.20)	A9AAT-0503F-ND	1.33	10.82	79.73
	4 (101.60)	A9AAT-0504F-ND	1.46	11.89	87.58
	5 (127.00)	A9AAT-0505F-ND	1.59	12.95	95.42
	6 (152.40)	A9AAT-0506F-ND	1.72	14.01	103.26
	8 (203.20)	A9AAT-0508F-ND	1.98	16.14	118.95
6	2 (50.80)	A9AAT-0602F-ND	1.36	11.08	81.65
	3 (76.20)	A9AAT-0603F-ND	1.51	12.27	90.44
	4 (101.60)	A9AAT-0604F-ND	1.65	13.47	99.23
	5 (127.00)	A9AAT-0605F-ND	1.80	14.66	108.01
	6 (152.40)	A9AAT-0606F-ND	1.95	15.85	116.80
	8 (203.20)	A9AAT-0608F-ND	2.24	18.24	134.38
8	2 (50.80)	A9AAT-0802F-ND	1.71	13.94	102.70
	3 (76.20)	A9AAT-0803F-ND	1.89	15.40	113.48
	4 (101.60)	A9AAT-0804F-ND	2.07	16.86	124.25
	5 (127.00)	A9AAT-0805F-ND	2.25	18.32	135.02
	6 (152.40)	A9AAT-0806F-ND	2.43	19.79	145.79
	8 (203.20)	A9AAT-0808F-ND	2.79	22.71	167.34
9	2 (50.80)	A9AAT-0902F-ND	1.89	15.41	113.57
	3 (76.20)	A9AAT-0903F-ND	2.12	17.23	126.99
	4 (101.60)	A9AAT-0904F-ND	2.34	19.06	140.41
	5 (127.00)	A9AAT-0905F-ND	2.56	20.88	153.83
	6 (152.40)	A9AAT-0906F-ND	2.79	22.70	167.25
	8 (203.20)	A9AAT-0908F-ND	3.23	26.34	194.09
10	2 (50.80)	A9AAT-1002F-ND	1.98	16.14	118.96
	3 (76.20)	A9AAT-1003F-ND	2.21	18.00	132.66
	4 (101.60)	A9AAT-1004F-ND	2.44	19.86	146.36
	5 (127.00)	A9AAT-1005F-ND	2.67	21.72	160.07
	6 (152.40)	A9AAT-1006F-ND	2.90	23.58	173.77
	8 (203.20)	A9AAT-1008F-ND	3.35	27.30	201.17
11	2 (50.80)	A9AAT-1102F-ND	2.07	16.84	124.11
	3 (76.20)	A9AAT-1103F-ND	2.30	18.74	138.10
	4 (101.60)	A9AAT-1104F-ND	2.53	20.64	152.09
	5 (127.00)	A9AAT-1105F-ND	2.77	22.54	166.07
	6 (152.40)	A9AAT-1106F-ND	3.00	24.44	180.06
	8 (203.20)	A9AAT-1108F-ND	3.47	28.23	208.03
12	2 (50.80)	A9AAT-1202F-ND	2.37	19.34	142.49
	3 (76.20)	A9AAT-1203F-ND	2.69	21.89	161.30
	4 (101.60)	A9AAT-1204F-ND	3.00	24.44	180.10
	5 (127.00)	A9AAT-1205F-ND	3.32	26.99	198.91
	6 (152.40)	A9AAT-1206F-ND	3.63	29.55	217.72
	8 (203.20)	A9AAT-1208F-ND	4.26	34.65	255.33
13	2 (50.80)	A9AAT-1302F-ND	2.53	20.60	151.80
	3 (76.20)	A9AAT-1303F-ND	2.85	23.19	170.89
	4 (101.60)	A9AAT-1304F-ND	3.17	25.78	189.98
	5 (127.00)	A9AAT-1305F-ND	3.48	28.37	209.07
	6 (152.40)	A9AAT-1306F-ND	3.80	30.96	228.16
	8 (203.20)	A9AAT-1308F-ND	4.44	36.15	266.33
14	2 (50.80)	A9AAT-1402F-ND	2.69	21.86	161.11
	3 (76.20)	A9AAT-1403F-ND	3.01	24.49	180.48
	4 (101.60)	A9AAT-1404F-ND	3.33	27.12	199.85
	5 (127.00)	A9AAT-1405F-ND	3.65	29.75	219.23
	6 (152.40)	A9AAT-1406F-ND	3.98	32.38	238.60
	8 (203.20)	A9AAT-1408F-ND	4.62	37.64	277.34
15	2 (50.80)	A9AAT-1502F-ND	2.84	23.15	170.60
	3 (76.20)	A9AAT-1503F-ND	3.17	25.83	190.35
	4 (101.60)	A9AAT-1504F-ND	3.50	28.51	210.11
	5 (127.00)	A9AAT-1505F-ND	3.83	31.19	229.86
	6 (152.40)	A9AAT-1506F-ND	4.16	33.88	249.61
	8 (203.20)	A9AAT-1508F-ND	4.82	39.24	289.11
16	2 (50.80)	A9AAT-1602F-ND	3.00	24.42	179.91
	3 (76.20)	A9AAT-1603F-ND	3.33	27.14	199.95
	4 (101.60)	A9AAT-1604F-ND	3.67	29.85	219.98
	5 (127.00)	A9AAT-1605F-ND	4.00	32.57	240.01
	6 (152.40)	A9AAT-1606F-ND	4.33	35.29	260.05
	8 (203.20)	A9AAT-1608F-ND	5.00	40.73	300.12
18	2 (50.80)	A9AAT-1802F-ND	3.76	30.58	225.34
	3 (76.20)	A9AAT-1803F-ND	4.32	35.20	259.34
	4 (101.60)	A9AAT-1804F-ND	4.89	39.81	293.35
	5 (127.00)	A9AAT-1805F-ND	5.46	44.43	327.35
	6 (152.40)	A9AAT-1806F-ND	6.02	49.04	361.36
	8 (203.20)	A9AAT-1808F-ND	7.16	58.27	429.37
20	2 (50.80)	A9AAT-2002F-ND	4.07	33.14	244.19
	3 (76.20)	A9AAT-2003F-ND	4.65	37.85	278.88
	4 (101.60)	A9AAT-2004F-ND	5.23	42.56	313.57
	5 (127.00)	A9AAT-2005F-ND	5.80	47.26	348.26
	6 (152.40)	A9AAT-2006F-ND	6.38	51.97	382.96
	8 (203.20)	A9AAT-2008F-ND	7.54	61.39	452.34

Receptacle Housing to Solder Tab

Mates with single row .025 (.64mm) square pin, .100 (2.54mm) headers:



Housing Contacts — Material and Finish: Phosphor bronze; plated gold duplex or bright tin-lead overall. Duplex plated

A9BAG-□□□□F-ND 15µ gold or 30µ gold on mating area.
A9BAA-□□□□F-ND = 30µ gold

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
2	2 (50.80)	A9BAG-0202F-ND	1.88	15.34	113.04
	3 (76.20)	A9BAG-0203F-ND	2.00	16.28	119.94
	4 (101.60)	A9BAG-0204F-ND	2.11	17.21	126.84
	5 (127.00)	A9BAG-0205F-ND	2.23	18.15	133.74
	6 (152.40)	A9BAG-0206F-ND	2.34	19.09	140.64
	8 (203.20)	A9BAG-0208F-ND	2.74	22.32	164.43
3	2 (50.80)	A9BAG-0302F-ND	2.13	17.32	127.64
	3 (76.20)	A9BAG-0303F-ND	2.25	18.31	134.92
	4 (101.60)	A9BAG-0304F-ND	2.37	19.30	142.20
	5 (127.00)	A9BAG-0305F-ND	2.49	20.29	149.47
	6 (152.40)	A9BAG-0306F-ND	2.61	21.27	156.75
	8 (203.20)	A9BAG-0308F-ND	2.86	23.25	171.30
4	2 (50.80)	A9BAG-0402F-ND	2.36	19.23	141.73
	3 (76.20)	A9BAG-0403F-ND	2.49	20.26	149.29
	4 (101.60)	A9BAG-0404F-ND	2.61	21.29	156.85
	5 (127.00)	A9BAG-0405F-ND	2.74	22.31	164.41
	6 (152.40)	A9BAG-0406F-ND	2.87	23.34	171.97
	8 (203.20)	A9BAG-0408F-ND	3.12	25.39	187.09
5	2 (50.80)	A9BAG-0502F-ND	2.58	21.03	154.92
	3 (76.20)	A9BAG-0503F-ND	2.71	22.09	162.76
	4 (101.60)	A9BAG-0504F-ND	2.84	23.15	170.61
	5 (127.00)	A9BAG-0505F-ND	2.97	24.22	178.45
	6 (152.40)	A9BAG-0506F-ND	3.10	25.28	186.30
	8 (203.20)	A9BAG-0508F-ND	3.37	27.41	201.98
6	2 (50.80)	A9BAG-0602F-ND	2.82	22.92	168.91
	3 (76.20)	A9BAG-0603F-ND	2.96	24.12	177.70
	4 (101.60)	A9BAG-0604F-ND	3.11	25.31	186.49
	5 (127.00)	A9BAG-0605F-ND	3.25	26.50	195.27
	6 (152.40)	A9BAG-0606F-ND	3.40	27.69	204.06
	8 (203.20)	A9BAG-0608F-ND	3.69	30.08	221.64
8	2 (50.80)	A9BAG-0802F-ND	3.30	26.88	198.05
	3 (76.20)	A9BAG-0803F-ND	3.48	28.34	208.82
	4 (101.60)	A9BAG-0804F-ND	3.66	29.80	219.59
	5 (127.00)	A9BAG-0805F-ND	3.84	31.26	230.37
	6 (152.40)	A9BAG-0806F-ND	4.02	32.73	241.14
	8 (203.20)	A9BAG-0808F-ND	4.38	35.65	262.69
9	2 (50.80)	A9BAG-0902F-ND	3.59	29.21	215.23
	3 (76.20)	A9BAG-0903F-ND	3.81	31.03	228.65
	4 (101.60)	A9BAG-0904F-ND	4.03	32.85	242.07
	5 (127.00)	A9BAG-0905F-ND	4.26	34.67	255.49
	6 (152.40)	A9BAG-0906F-ND	4.48	36.49	268.91
	8 (203.20)	A9BAG-0908F-ND	4.93	40.14	295.74
10	2 (50.80)	A9BAG-1002F-ND	3.77	30.74	226.48
	3 (76.20)	A9BAG-1003F-ND	4.00	32.60	240.18
	4 (101.60)	A9BAG-1004F-ND	4.23	34.46	253.88
	5 (127.00)	A9BAG-1005F-ND	4.46	36.32	267.59
	6 (152.40)	A9BAG-1006F-ND	4.69	38.17	281.29
	8 (203.20)	A9BAG-1008F-ND	5.14	41.89	308.69
11	2 (50.80)	A9BAG-1102F-ND	3.96	32.26	237.68
	3 (76.20)	A9BAG-1103F-ND	4.19	34.15	251.66
	4 (101.60)	A9BAG-1104F-ND	4.43	36.05	265.65
	5 (127.00)	A9BAG-1105F-ND	4.66	37.95	279.63
	6 (152.40)	A9BAG-1106F-ND	4.89	39.85	293.62
	8 (203.20)	A9BAG-1108F-ND	5.36	43.64	321.59
12	2 (50.80)	A9BAG-1202F-ND	3.76	30.58	225.33
	3 (76.20)	A9BAG-1203F-ND	4.07	33.13	244.14
	4 (101.60)	A9BAG-1204F-ND	4.38	35.69	262.95
	5 (127.00)	A9BAG-1205F-ND	4.70	38.24	281.75
	6 (152.40)	A9BAG-1206F-ND	5.01	40.79	300.56
	8 (203.20)	A9BAG-1208F-ND	5.64	45.89	338.17
13	2 (50.80)	A9BAG-1302F-ND	4.58	37.30	274.81
	3 (76.20)	A9BAG-1303F-ND	4.90	39.89	293.90
	4 (101.60)	A9BAG-1304F-ND	5.22	42.48	312.99
	5 (127.00)	A9BAG-1305F-ND	5.53	45.07	332.08
	6 (152.40)	A9BAG-1306F-ND	5.85	47.66	351.17
	8 (203.20)	A9BAG-1308F-ND	6.49	52.84	389.34
14	2 (50.80)	A9BAG-1402F-ND	5.83	47.51	350.07
	3 (76.20)	A9BAG-1403F-ND	5.12	41.72	307.41
	4 (101.60)	A9BAG-1404F-ND	5.45	44.35	326.78
	5 (127.00)	A9BAG-1405F-ND	5.77	46.98	346.15
	6 (152.40)	A9BAG-1406F-ND	6.09	49.61	365.53
	8 (203.20)	A9BAG-1408F-ND	6.74	54.87	404.27
15	2 (50.80)	A9BAG-1502F-ND	5.64	45.93	338.45
	3 (76.20)	A9BAG-1503F-ND	5.97	48.61	358.20
	4 (101.60)	A9BAG-1504F-ND	6.30	51.29	377.95
	5 (127.00)	A9BAG-1505F-ND	6.63	53.97	397.70
	6 (152.40)	A9BAG-1506F-ND	6.96	56.65	417.45
	8 (203.20)	A9BAG-1508F-ND	7.62	62.01	456.95
16	2 (50.80)	A9BAG-1602F-ND	5.55	45.17	332.83
	3 (76.20)	A9BAG-1603F-ND	5.88	47.89	352.87
	4 (101.60)	A9BAG-1604F-ND	6.22	50.61	372.90
	5 (127.00)	A9BAG-1605F-ND	6.55	53.33	392.94
	6 (152.40)	A9BAG-1606F-ND	6.88	56.05	412.97
	8 (203.20)	A9BAG-1608F-ND	7.55	61.48	453.04
18	2 (50.80)	A9BAG-1802F-ND	7.06	57.48	423.62
	3 (76.20)	A9BAG-1803F-ND	7.63	62.11	457.62
	4 (101.60)	A9BAG-1804F-ND	8.19	66.72	491.63
	5 (127.00)	A9BAG-1805F-ND	8.76	71.34	525.64
	6 (152.40)	A9BAG-1806F-ND	9.33	75.95	559.64
	8 (203.20)	A9BAG-1808F-ND	10.46	85.18	627.65
20	2 (50.80)	A9BAG-2002F-ND	7.20	58.64	432.10
	3 (76.20)	A9BAG-2003F-ND	7.78	63.35	466.79
	4 (101.60)	A9BAG-2004F-ND	9.64	80.11	590.31
	5 (127.00)	A9BAG-2005F-ND	8.94	72.77	536.18
	6 (152.40)	A9BAG-2006F-ND	9.51	77.48	570.87
	8 (203.20)	A9BAG-2008F-ND	10.67	86.89	640.25

Call for complete part number and pricing. *(Continued)*

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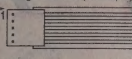
.100" (2.54mm) Flat Flex Cable Assemblies *(Cont.)*

Receptacle Housing to Receptacle Housing

Mates with single row .025 (.64mm) square pin, .100 (2.54mm) headers.



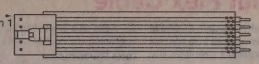
Plain Style Housing — Material: Black thermoplastic, flame retardant, 94V-0 rated. Duplex plated contacts.

A9BBG-□□□□F-ND = 15µ gold, A9BBA-□□□□F-ND = 30µ gold

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
2	2 (50.80)	A9BBG-0202F-ND	3.10	25.25	186.07
	3 (76.20)	A9BBG-0203F-ND	3.22	26.19	192.97
	4 (101.60)	A9BBG-0204F-ND	3.33	27.12	199.87
	5 (127.00)	A9BBG-0205F-ND	3.45	28.06	206.76
	6 (152.40)	A9BBG-0206F-ND	3.56	29.00	213.66
	8 (203.20)	A9BBG-0208F-ND	3.79	30.87	227.46
3	2 (50.80)	A9BBG-0302F-ND	3.39	27.60	203.37
	3 (76.20)	A9BBG-0303F-ND	3.51	28.59	210.64
	4 (101.60)	A9BBG-0304F-ND	3.63	29.58	217.92
	5 (127.00)	A9BBG-0305F-ND	3.75	30.56	225.20
	6 (152.40)	A9BBG-0306F-ND	3.87	31.55	232.47
	8 (203.20)	A9BBG-0308F-ND	4.12	33.53	247.03
4	2 (50.80)	A9BBG-0402F-ND	3.68	29.99	221.01
	3 (76.20)	A9BBG-0403F-ND	3.81	31.02	228.57
	4 (101.60)	A9BBG-0404F-ND	3.94	32.05	236.13
	5 (127.00)	A9BBG-0405F-ND	4.06	33.07	243.69
	6 (152.40)	A9BBG-0406F-ND	4.19	34.10	251.25
	8 (203.20)	A9BBG-0408F-ND	4.44	36.15	266.37
5	2 (50.80)	A9BBG-0502F-ND	3.97	32.29	237.96
	3 (76.20)	A9BBG-0503F-ND	4.10	33.36	245.80
	4 (101.60)	A9BBG-0504F-ND	4.23	34.42	253.64
	5 (127.00)	A9BBG-0505F-ND	4.36	35.49	261.49
	6 (152.40)	A9BBG-0506F-ND	4.49	36.55	269.33
	8 (203.20)	A9BBG-0508F-ND	4.75	38.68	285.02
6	2 (50.80)	A9BBG-0602F-ND	4.27	34.77	256.17
	3 (76.20)	A9BBG-0603F-ND	4.42	35.96	264.96
	4 (101.60)	A9BBG-0604F-ND	4.56	37.15	273.75
	5 (127.00)	A9BBG-0605F-ND	4.71	38.34	282.54
	6 (152.40)	A9BBG-0606F-ND	4.86	39.54	291.32
	8 (203.20)	A9BBG-0608F-ND	5.15	41.92	308.90
8	2 (50.80)	A9BBG-0802F-ND	4.89	39.82	293.40
	3 (76.20)	A9BBG-0803F-ND	5.07	41.28	304.17
	4 (101.60)	A9BBG-0804F-ND	5.25	42.74	314.94
	5 (127.00)	A9BBG-0805F-ND	5.43	44.20	325.71
	6 (152.40)	A9BBG-0806F-ND	5.61	45.67	336.49
	8 (203.20)	A9BBG-0808F-ND	5.97	48.59	358.03
9	2 (50.80)	A9BBG-0902F-ND	5.28	43.01	316.89
	3 (76.20)	A9BBG-0903F-ND	5.51	44.83	330.30
	4 (101.60)	A9BBG-0904F-ND	5.73	46.65	343.72
	5 (127.00)	A9BBG-0905F-ND	5.95	48.47	357.14
	6 (152.40)	A9BBG-0906F-ND	6.18	50.29	370.56
	8 (203.20)	A9BBG-0908F-ND	6.62	53.93	397.40
10	2 (50.80)	A9BBG-1002F-ND	5.57	45.33	334.00
	3 (76.20)	A9BBG-1003F-ND	5.79	47.19	347.70
	4 (101.60)	A9BBG-1004F-ND	6.02	49.05	361.40
	5 (127.00)	A9BBG-1005F-ND	6.25	50.91	375.10
	6 (152.40)	A9BBG-1006F-ND	6.47	52.77	388.81
	8 (203.20)	A9BBG-1008F-ND	6.94	56.49	416.21
11	2 (50.80)	A9BBG-1102F-ND	5.85	47.67	351.24
	3 (76.20)	A9BBG-1103F-ND	6.09	49.57	365.22
	4 (101.60)	A9BBG-1104F-ND	6.32	51.46	379.21
	5 (127.00)	A9BBG-1105F-ND	6.55	53.36	393.20
	6 (152.40)	A9BBG-1106F-ND	6.78	55.26	407.18
	8 (203.20)	A9BBG-1108F-ND	7.25	59.06	435.15
12	2 (50.80)	A9BBG-1202F-ND	5.14	41.82	308.18
	3 (76.20)	A9BBG-1203F-ND	5.45	44.38	326.98
	4 (101.60)	A9BBG-1204F-ND	5.76	46.93	345.79
	5 (127.00)	A9BBG-1205F-ND	6.08	49.48	364.59
	6 (152.40)	A9BBG-1206F-ND	6.39	52.03	383.40
	8 (203.20)	A9BBG-1208F-ND	7.02	57.14	421.01
13	2 (50.80)	A9BBG-1302F-ND	6.63	53.99	397.82
	3 (76.20)	A9BBG-1303F-ND	6.95	56.58	416.91
	4 (101.60)	A9BBG-1304F-ND	7.27	59.17	436.00
	5 (127.00)	A9BBG-1305F-ND	7.58	61.76	455.09
	6 (152.40)	A9BBG-1306F-ND	7.90	64.35	474.18
	8 (203.20)	A9BBG-1308F-ND	8.54	69.53	512.35
14	2 (50.80)	A9BBG-1402F-ND	6.92	56.32	414.96
	3 (76.20)	A9BBG-1403F-ND	7.24	58.95	434.34
	4 (101.60)	A9BBG-1404F-ND	7.56	61.57	453.71
	5 (127.00)	A9BBG-1405F-ND	7.88	64.20	473.08
	6 (152.40)	A9BBG-1406F-ND	8.21	66.83	492.45
	8 (203.20)	A9BBG-1408F-ND	8.85	72.09	531.20
15	2 (50.80)	A9BBG-1502F-ND	8.44	68.71	506.29
	3 (76.20)	A9BBG-1503F-ND	8.77	71.39	526.04
	4 (101.60)	A9BBG-1504F-ND	9.10	74.07	545.79
	5 (127.00)	A9BBG-1505F-ND	9.43	76.75	565.54
	6 (152.40)	A9BBG-1506F-ND	9.75	79.43	585.29
	8 (203.20)	A9BBG-1508F-ND	12.38	100.80	742.98
16	2 (50.80)	A9BBG-1602F-ND	8.10	65.92	485.76
	3 (76.20)	A9BBG-1603F-ND	8.43	68.64	505.79
	4 (101.60)	A9BBG-1604F-ND	8.76	71.36	525.82
	5 (127.00)	A9BBG-1605F-ND	9.10	74.08	545.86
	6 (152.40)	A9BBG-1606F-ND	9.43	76.80	565.89
	8 (203.20)	A9BBG-1608F-ND	10.10	82.24	605.96
18	2 (50.80)	A9BBG-1802F-ND	10.37	84.40	621.90
	3 (76.20)	A9BBG-1803F-ND	10.93	89.02	655.91
	4 (101.60)	A9BBG-1804F-ND	11.50	93.63	689.91
	5 (127.00)	A9BBG-1805F-ND	12.07	98.25	723.92
	6 (152.40)	A9BBG-1806F-ND	12.63	102.86	757.92
	8 (203.20)	A9BBG-1808F-ND	13.77	112.09	825.94
20	2 (50.80)	A9BBG-2002F-ND	10.33	84.15	620.02
	3 (76.20)	A9BBG-2003F-ND	10.91	88.85	654.71
	4 (101.60)	A9BBG-2004F-ND	11.49	93.56	689.40
	5 (127.00)	A9BBG-2005F-ND	12.07	98.27	724.09
	6 (152.40)	A9BBG-2006F-ND	12.65	102.98	758.78
	8 (203.20)	A9BBG-2008F-ND	13.80	112.39	828.17

Call for complete part number and pricing.

Receptacle Housing with Latch to Solder Tab



Latch Style Housing — Material: Black thermoplastic, flame retardant, 94V-0 rated. Duplex plated contacts.

A9CAG-□□□□F-ND = 15µ gold, A9CAA-□□□□F-ND = 30µ gold

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
2	2 (50.80)	A9CAG-0202F-ND	1.53	12.43	91.57
	3 (76.20)	A9CAG-0203F-ND	1.64	13.36	98.47
	4 (101.60)	A9CAG-0204F-ND	1.76	14.30	105.37
	5 (127.00)	A9CAG-0205F-ND	1.87	15.24	112.27
	6 (152.40)	A9CAG-0206F-ND	1.99	16.17	119.17
	8 (203.20)	A9CAG-0208F-ND	2.22	18.05	132.97
3	2 (50.80)	A9CAG-0302F-ND	1.76	14.34	105.66
	3 (76.20)	A9CAG-0303F-ND	1.88	15.33	112.93
	4 (101.60)	A9CAG-0304F-ND	2.00	16.31	120.21
	5 (127.00)	A9CAG-0305F-ND	2.12	17.30	127.48
	6 (152.40)	A9CAG-0306F-ND	2.25	18.29	134.76
	8 (203.20)	A9CAG-0308F-ND	2.49	20.26	149.31
4	2 (50.80)	A9CAG-0402F-ND	1.98	16.15	118.98
	3 (76.20)	A9CAG-0403F-ND	2.11	17.17	126.54
	4 (101.60)	A9CAG-0404F-ND	2.23	18.20	134.10
	5 (127.00)	A9CAG-0405F-ND	2.36	19.22	141.66
	6 (152.40)	A9CAG-0406F-ND	2.49	20.25	149.22
	8 (203.20)	A9CAG-0408F-ND	2.74	22.30	164.34
5	2 (50.80)	A9CAG-0502F-ND	2.20	17.89	131.83
	3 (76.20)	A9CAG-0503F-ND	2.33	18.96	139.67
	4 (101.60)	A9CAG-0504F-ND	2.46	20.02	147.52
	5 (127.00)	A9CAG-0505F-ND	2.59	21.08	155.36
	6 (152.40)	A9CAG-0506F-ND	2.72	22.15	163.20
	8 (203.20)	A9CAG-0508F-ND	2.98	24.28	178.89
6	2 (50.80)	A9CAG-0602F-ND	2.42	19.72	145.33
	3 (76.20)	A9CAG-0603F-ND	2.57	20.92	154.12
	4 (101.60)	A9CAG-0604F-ND	2.72	22.11	162.91
	5 (127.00)	A9CAG-0605F-ND	2.86	23.30	171.70
	6 (152.40)	A9CAG-0606F-ND	3.01	24.49	180.48
	8 (203.20)	A9CAG-0608F-ND	3.30	26.88	198.06
8	2 (50.80)	A9CAG-0802F-ND	3.51	28.59	210.66
	3 (76.20)	A9CAG-0803F-ND	3.69	30.05	221.43
	4 (101.60)	A9CAG-0804F-ND	3.87	31.51	232.20
	5 (127.00)	A9CAG-0805F-ND	4.05	32.98	242.97
	6 (152.40)	A9CAG-0806F-ND	4.23	34.44	253.75
	8 (203.20)	A9CAG-0808F-ND	4.59	37.36	275.29
9	2 (50.80)	A9CAG-0902F-ND	3.16	25.76	189.81
	3 (76.20)	A9CAG-0903F-ND	3.39	27.58	203.23
	4 (101.60)	A9CAG-0904F-ND	3.61	29.40	216.64
	5 (127.00)	A9CAG-0905F-ND	3.83	31.22	230.06
	6 (152.40)	A9CAG-0906F-ND	4.06	33.04	243.48
	8 (203.20)	A9CAG-0908F-ND	4.51	36.69	270.32
10	2 (50.80)	A9CAG-1002F-ND	3.34	27.22	200.54
	3 (76.20)	A9CAG-1003F-ND	3.57	29.08	214.24
	4 (101.60)	A9CAG-1004F-ND	3.80	30.93	227.94
	5 (127.00)	A9CAG-1005F-ND	4.03	32.79	241.64
	6 (152.40)	A9CAG-1006F-ND	4.26	34.65	255.35
	8 (203.20)	A9CAG-1008F-ND	4.71	38.37	282.75
11	2 (50.80)	A9CAG-1102F-ND	4.55	37.06	273.07
	3 (76.20)	A9CAG-1103F-ND	4.78	38.96	287.06
	4 (101.60)	A9CAG-1104F-ND	5.02	40.86	301.05
	5 (127.00)	A9CAG-1105F-ND	5.25	42.75	315.03
	6 (152.40)	A9CAG-1106F-ND	5.48	44.65	329.02
	8 (203.20)	A9CAG-1108F-ND	5.95	48.45	356.99
12	2 (50.80)	A9CAG-1202F-ND	3.90	31.75	233.95
	3 (76.20)	A9CAG-1203F-ND	4.21	34.30	252.76
	4 (101.60)	A9CAG-1204F-ND	4.53	36.85	271.56
	5 (127.00)	A9CAG-1205F-ND	4.84	39.41	290.37
	6 (152.40)	A9CAG-1206F-ND	5.15	41.96	309.17
	8 (203.20)	A9CAG-1208F-ND	5.78	47.06	346.78
13	2 (50.80)	A9CAG-1302F-ND	5.20	42.38	312.25
	3 (76.20)	A9CAG-1303F-ND	5.52	44.97	331.34
	4 (101.60)	A9CAG-1304F-ND	5.84	47.56	350.43
	5 (127.00)	A9CAG-1305F-ND	6.16	50.15	369.52
	6 (152.40)	A9CAG-1306F-ND	6.48	52.74	388.61
	8 (203.20)	A9CAG-1308F-ND	7.11	57.92	426.78
14	2 (50.80)	A9CAG-1402F-ND	4.32	35.22	259.49
	3 (76.20)	A9CAG-1403F-ND	4.65	37.85	278.87
	4 (101.60)	A9CAG-1404F-ND	4.97	40.48	298.24
	5 (127.00)	A9CAG-1405F-ND	5.29	43.10	317.61
	6 (152.40)	A9CAG-1406F-ND	5.62	45.73	336.98
	8 (203.20)	A9CAG-1408F-ND	6.26	50.99	375.73
15	2 (50.80)	A9CAG-1502F-ND	5.98	48.70	358.86
	3 (76.20)	A9CAG-1503F-ND	6.31	51.38	378.61
	4 (101.60)	A9CAG-1504F-ND	6.64	54.06	398.36
	5 (127.00)	A9CAG-1505F-ND	6.97	56.74	418.11
	6 (152.40)	A9CAG-1506F-ND	7.30	59.42	437.86
	8 (203.20)	A9CAG-1508F-ND	7.96	64.79	477.36
16	2 (50.80)	A9CAG-1602F-ND	4.97	40.43	297.90
	3 (76.20)	A9CAG-1603F-ND	5.30	43.15	317.94
	4 (101.60)	A9CAG-1604F-ND	5.63	45.87	337.97
	5 (127.00)	A9CAG-1605F-ND	5.97	48.59	358.01
	6 (152.40)	A9CAG-1606F-ND	6.30	51.31	378.04
	8 (203.20)	A9CAG-1608F-ND	6.97	56.74	418.11
18	2 (50.80)	A9CAG-1802F-ND	7.33	59.66	439.62
	3 (76.20)	A9CAG-1803F-ND	7.89	64.28	473.63
	4 (101.60)	A9CAG-1804F-ND	8.46	68.89	507.64
	5 (127.00)	A9CAG-1805F-ND	9.03	73.51	541.64
	6 (152.40)	A9CAG-1806F-ND	9.59	78.12	575.65
	8 (203.20)	A9CAG-1808F-ND	10.73	87.35	643.66
20	2 (50.80)	A9CAG-2002F-ND	6.49	52.85	389.39
	3 (76.20)	A9CAG-2003F-ND	7.07	57.55	424.08
	4 (101.60)	A9CAG-2004F-ND	7.65	62.26	458.77
	5 (127.00)	A9CAG-2005F-ND	8.22	66.97	493.47
	6 (152.40)	A9CAG-2006F-ND	8.80	71.68	528.16
	8 (203.20)	A9CAG-2008F-ND	9.96	81.10	597.54

Call for complete part number and pricing.

Receptacle Housing with Latch to Receptacle Housing with Latch

Latch Style Housing — Material: Black thermoplastic, flame retardant, 94V-0 rated. Duplex plated contacts.

A9CCG-□□□□F-ND = 15µ gold,
A9CCA-□□□□F-ND = 30µ gold

No. of Contacts	Length In. (mm)	Digi-Key Part No.	Pricing 1	10	100
2	2 (50.80)	A9CCG-0202F-ND	2.39	19.43	143.13
	3 (76.20)	A9CCG-0203F-ND	2.50	20.36	150.03
	4 (101.60)	A9CCG-0204F-ND	2.62	21.30	156.93
	5 (127.00)	A9CCG-0205F-ND	2.73	22.23	163.83
	6 (152.40)	A9CCG-0206F-ND	2.85	23.17	170.73
	8 (203.20)	A9CCG-0208F-ND	3.08	25.04	184.52
3	2 (50.80)	A9CCG-0302F-ND	2.66	21.63	159.39
	3 (76.20)	A9CCG-0303F-ND	2.78	22.62	166.67
	4 (101.60)	A9CCG-0304F-ND	2.90	23.61	173.95
	5 (127.00)	A9CCG-0305F-ND	3.02	24.59	181.22
	6 (152.40)	A9CCG-0306F-ND	3.14	25.58	188.50
	8 (203.20)	A9CCG-0308F-ND	3.38	27.56	203.05
4	2 (50.80)	A9CCG-0402F-ND	2.93	23.82	175.50
	3 (76.20)	A9CCG-0403F-ND	3.05	24.84	183.06
	4 (101.60)	A9CCG-0404F-ND	3.18	25.87	190.62
	5 (127.00)	A9CCG-0405F-ND	3.30	26.90	198.18
	6 (152.40)	A9CCG-0406F-ND	3.43	27.92	205.74
	8 (203.20)	A9CCG-0408F-ND	3.68	29.97	220.86
5	2 (50.80)	A9CCG-0502F-ND	3.20	26.03	191.77
	3 (76.20)	A9CCG-0503F-ND	3.33	27.09	199.62
	4 (101.60)	A9CCG-0504F-ND	3.46	28.16	207.46
	5 (127.00)	A9CCG-0505F-ND	3.59	29.22	215.30
	6 (152.40)	A9CCG-0506F-ND	3.72	30.28	223.15
	8 (203.20)	A9CCG-0508F-ND	3.98	32.41	238.83
6	2 (50.80)	A9CCG-0602F-ND	3.48	28.37	209.01
	3 (76.20)	A9CCG-0603F-ND	3.63	29.56	217.80
	4 (101.60)	A9CCG-0604F-ND	3.78	30.75	226.59
	5 (127.00)	A9CCG-0605F-ND	3.92	31.94	235.38
	6 (152.40)	A9CCG-0606F-ND	4.07	33.14	244.17
	8 (203.20)	A9CCG-0608F-ND	4.36	35.52	261.74
8	2 (50.80)	A9CCG-0802F-ND	5.31	43.24	318.61
	3 (76.20)	A9CCG-0803F-ND	5.49	44.70	329.38
	4 (101.60)	A9CCG-0804F-ND	5.67	46.16	340.15
	5 (127.00)	A9CCG-0805F-ND	5.85	47.63	350.93
	6 (152.40)	A9CCG-0806F-ND	6.03	49.09	361.70
	8 (203.20)	A9CCG-0808F-ND	6.39	52.01	383.25
9	2 (50.80)	A9CCG-0902F-ND	4.43	36.11	266.04
	3 (76.20)	A9CCG-0903F-ND	4.66	37.93	279.46
	4 (101.60)	A9CCG-0904F-ND	4.88	39.75	292.88
	5 (127.00)	A9CCG-0905F-ND	5.10	41.57	306.30
	6 (152.40)	A9CCG-0906F-ND	5.33	43.39	319.72
	8 (203.20)	A9CCG-0908F-ND	5.78	47.03	346.55
10	2 (50.80)	A9CCG-1002F-ND	4.70	38.29	282.11
	3 (76.20)	A9CCG-1003F-ND	4.93	40.15	295.81
	4 (101.60)	A9CCG-1004F-ND	5.16	42.01	309.51
	5 (127.00)	A9CCG-1005F-ND	5.39	43.87	323.22
	6 (152.40)	A9CCG-1006F-ND	5.62	45.72	336.92
	8 (203.20)	A9CCG-1008F-ND	6.07	49.44	364.32
11	2 (50.80)	A9CCG-1102F-ND	7.03	57.28	422.03
	3 (76.20)	A9CCG-1103F-ND	7.27	59.17	436.02
	4 (101.60)	A9CCG-1104F-ND	7.50	61.07	450.00
	5 (127.00)	A9CCG-1105F-ND	7.73	62.97	463.99
	6 (152.40)	A9CCG-1106F-ND	7.97	64.87	477.98
	8 (203.20)	A9CCG-1108F-ND	8.43	68.66	505.95
12	2 (50.80)	A9CCG-1202F-ND	5.42	44.16	325.41
	3 (76.20)	A9CCG-1203F-ND	5.74	46.71	344.21
	4 (101.60)	A9CCG-1204F-ND	6.05	49.27	363.02
	5 (127.00)	A9CCG-1205F-ND	6.36	51.82	381.82
	6 (152.40)	A9CCG-1206F-ND	6.68	54.37	400.63
	8 (203.20)	A9CCG-1208F-ND	7.30	59.48	438.24
13	2 (50.80)	A9CCG-1302F-ND	7.88	64.15	472.70
	3 (76.20)	A9CCG-1303F-ND	8.20	66.74	491.79
	4 (101.60)	A9CCG-1304F-ND	8.51	69.33	510.88
	5 (127.00)	A9CCG-1305F-ND	8.83	71.92	529.96
	6 (152.40)	A9CCG-1306F-ND	9.15	74.51	549.05
	8 (203.20)	A9CCG-1308F-ND	9.79	79.70	587.23
14	2 (50.80)	A9CCG-1402F-ND	5.96	48.57	357.88
	3 (76.20)	A9CCG-1403F-ND	6.29	51.20	377.25
	4 (101.60)	A9CCG-1404F-ND	6.61	53.83	396.62
	5 (127.00)	A9CCG-1405F-ND	6.93	56.46	416.00
	6 (152.40)	A9CCG-1406F-ND	7.26	59.09	435.37
	8 (203.20)	A9CCG-1408F-ND	7.90	64.34	474.11
15	2 (50.80)	A9CCG-1502F-ND	9.12	74.25	547.12
	3 (76.20)	A9CCG-1503F-ND	9.45	76.93	566.87
	4 (101.60)	A9CCG-1504F-ND	9.78	79.61	586.62
	5 (127.00)	A9CCG-1505F-ND	10.11	82.29	606.37
	6 (152.40)	A9CCG-1506F-ND	10.44	84.97	626.12
	8 (203.20)	A9CCG-1508F-ND	11.09	90.33	665.62
16	2 (50.80)	A9CCG-1602F-ND	6.93	56.44	415.90
	3 (76.20)	A9CCG-1603F-ND	7.27	59.16	435.93
	4 (101.60)	A9CCG-1604F-ND	7.60	61.88	455.96
	5 (127.00)	A9CCG-1605F-ND	7.93	64.60	476.00
	6 (152.40)	A9CCG-1606F-ND	8.27	67.32	496.03
	8 (203.20)	A9CCG-1608F-ND	8.94	72.76	536.10
18	2 (50.80)	A9CCG-1802F-ND	10.90	88.75	653.91
	3 (76.20)	A9CCG-1803F-ND	11.47	93.36	687.92
	4 (101.60)	A9CCG-1804F-ND	12.03	97.98	721.92
	5 (127.00)	A9CCG-1805F-ND	12.60	102.59	755.93
	6 (152.40)	A9CCG-1806F-ND	13.17	107.21	789.94
	8 (203.20)	A9CCG-1808F-ND	14.30	116.44	857.95
20	2 (50.80)	A9CCG-2002F-ND	8.91	72.55	534.59
	3 (76.20)	A9CCG-2003F-ND	9.49	77.26	569.28
	4 (101.60)	A9CCG-2004F-ND	10.07	81.97	603.98
	5 (127.00)	A9CCG-2005F-ND	10.64	86.68	638.67
	6 (152.40)	A9CCG-2006F-ND	11.22	91.38	673.36
	8 (203.20)	A9CCG-2008F-ND	12.38	100.80	742.74

Call for complete part number and pricing.

0.5mm and 1mm Flat Flex Cable

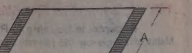
Parlex custom jumper cables are available with flat conductors of desired length, stripped at both ends. The insulation has been stripped from one side only, exposing one surface of the conductors. Conductors have been pre-tinned for direct insertion into connectors.

Features:

• Superior Mechanical and Shielding Performance • Meets FCC, CIS PR/VDE effectivity requirements for inter connects • High flexibility rating of 10 million flex cycles on a .6" (15.24mm) radius with optimum design layout • Superior mechanical and abrasion resistance

Cable Characteristics:

• **Conductors:** Cu., tin/lead plated • **Current Rating:** 0.5A (0.5mm); 1.50A (1mm) • **Voltage Rating:** 90 volts • **Insulation:** polyester • **Temperature Rating:** -55°C ~ 105°C • **Dielectric Strength:** 2500 volts/mil • **U.L. Flame Rating:** VW-1 • **U.L. Styles:** 20890 & 20566



0.5mm Flat Flex Cable

No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Pricing 1	10	100	Parlex Part No.
		2" (5.08cm) Flat Flex Cable				
4	2.5	HFF-04U-02-ND	3.60	30.00	220.00	05004-51B
5	3.0	HFF-05U-02-ND	3.60	30.00	220.00	05005-51B
6	3.5	HFF-06U-02-ND	3.60	30.00	220.00	05006-51B
7	4.0	HFF-07U-02-ND	3.60	30.00	220.00	05007-51B
8	4.5	HFF-08U-02-ND	3.60	30.00	220.00	05008-51B
10	5.5	HFF-10U-02-ND	3.60	30.00	220.00	05010-51B
12	6.5	HFF-12U-02-ND	3.60	30.00	220.00	05012-51B
13	7.0	HFF-13U-02-ND	3.60	30.00	220.00	05013-51B
15	8.0	HFF-15U-02-ND	3.60	30.00	220.00	05015-51B
18	8.5	HFF-18U-02-ND	3.60	30.00	220.00	05018-51B
20	10.5	HFF-20U-02-ND	3.74	31.13	228.25	05020-51B
21	11	HFF-21U-02-ND	3.74	31.13	228.25	05021-51B
22	11.5	HFF-22U-02-ND	3.74	31.13	228.25	05022-51B
24	12.5	HFF-24U-02-ND	3.78	31.50	231.00	05024-51B
26	13.5	HFF-26U-02-ND	3.74	31.13	228.25	05026-51B
30	15.5	HFF-30U-02-ND	3.83	31.88	233.75	05030-51B
36	18.5	HFF-36U-02-ND	3.87	32.25	236.50	05036-51B
40	20.5	HFF-40U-02-ND	3.92	32.63	239.25	05040-51B
50	25.5	HFF-50U-02-ND	4.05	33.75	247.50	05050-51B
		3" (7.62cm) Flat Flex Cable				
4	2.5	HFF-04U-03-ND	4.05	33.75	247.50	05004-76B
5	3.0	HFF-05U-03-ND	4.05	33.75	247.50	05005-76B
6	3.5	HFF-06U-03-ND	4.05	33.75	247.50	05006-76B
7	4.0	HFF-07U-03-ND	4.05	33.75	247.50	05007-76B
8	4.5	HFF-08U-03-ND	4.05	33.75	247.50	05008-76B
10	5.5	HFF-10U-03-ND	4.05	33.75	247.50	05010-76B
12	6.5	HFF-12U-03-ND	4.05	33.75	247.50	05012-76B
13	7.0	HFF-13U-03-ND	4.05	33.75	247.50	05013-76B
15	8.0	HFF-15U-03-ND	4.05	33.75	247.50	05015-76B
18	8.5	HFF-18U-03-ND	4.05	33.75	247.50	05018-76B
20	10.5	HFF-20U-03-ND	4.05	33.75	247.50	05020-76B
21	11	HFF-21U-03-ND	4.05	33.75	247.50	05021-76B
22	11.5	HFF-22U-03-ND	4.05	33.75	247.50	05022-76B
24	12.5	HFF-24U-03-ND	4.05	33.75	247.50	05024-76B
26	13.5	HFF-26U-03-ND	4.05	33.75	247.50	05026-76B
30	15.5	HFF-30U-03-ND	4.05	33.75	247.50	05030-76B
36	18.5	HFF-36U-03-ND	4.05	33.75	247.50	05036-76B
40	20.5	HFF-40U-03-ND	4.05	33.75	247.50	05040-76B
50	25.5	HFF-50U-03-ND	4.05	33.75	247.50	05050-76B
		4" (10.16cm) Flat Flex Cable				
4	2.5	HFF-04U-04-ND	4.05	33.75	247.50	05004-102B
5	3.0	HFF-05U-04-ND	4.05	33.75	247.50	05005-102B
6	3.5	HFF-06U-04-ND	4.05	33.75	247.50	05006-102B
7	4.0	HFF-07U-04-ND	4.05	33.75	247.50	05007-102B
8	4.5	HFF-08U-04-ND	4.05	33.75	247.50	05008-102B
10	5.5	HFF-10U-04-ND	4.05	33.75	247.50	05010-102B
12	6.5	HFF-12U-04-ND	4.28	35.63	261.25	05012-102B
13	7.0	HFF-13U-04-ND	4.28	35.63	261.25	05013-102B
15	8.0	HFF-15U-04-ND	4.28	35.63	261.25	05015-102B
18	8.5	HFF-18U-04-ND	4.28	35.63	261.25	05018-102B
20	10.5	HFF-20U-04-ND	4.28	35.63	261.25	05020-102B
21	11	HFF-21U-04-ND	4.28	35.63	261.25	05021-102B
22	11.5	HFF-22U-04-ND	4.28	35.63	261.25	05022-102B
24	12.5	HFF-24U-04-ND	4.37	36.38	266.75	05024-102B
26	13.5	HFF-26U-04-ND	4.37	36.38	266.75	05026-102B
30	15.5	HFF-30U-04-ND	4.50	37.50	275.00	05030-102B
36	18.5	HFF-36U-04-ND	4.64	38.63	283.25	05036-102B
40	20.5	HFF-40U-04-ND	4.73	39.38	288.75	05040-102B
50	25.5	HFF-50U-04-ND	4.95	41.25	302.50	05050-102B
		5" (12.70cm) Flat Flex Cable				
4	2.5	HFF-04U-05-ND	4.95	41.25	302.50	05004-127B
5	3.0	HFF-05U-05-ND	4.95	41.25	302.50	05005-127B
6	3.5	HFF-06U-05-ND	4.95	41.25	302.50	05006-127B
7	4.0	HFF-07U-05-ND	4.95	41.25	302.50	05007-127B
8	4.5	HFF-08U-05-ND	4.95	41.25	302.50	05008-127B
10	5.5	HFF-10U-05-ND	4.95	41.25	302.50	05010-127B
12	6.5	HFF-12U-05-ND	4.95	41.25	302.50	05012-127B
13	7.0	HFF-13U-05-ND	4.95	41.25	302.50	05013-127B
15	8.0	HFF-15U-05-ND	4.95	41.25	302.50	05015-127B
18	8.5	HFF-18U-05-ND	4.95	41.25	302.50	05018-127B
20	10.5	HFF-20U-05-ND	4.95	41.25	302.50	05020-127B
21	11	HFF-21U-05-ND	4.95	41.25	302.50	05021-127B
22	11.5	HFF-22U-05-ND	4.95	41.25	302.50	05022-127B
24	12.5	HFF-24U-05-ND	5.16	43.13	316.25	05024-127B
26	13.5	HFF-26U-05-ND	5.16	43.13	316.25	05026-127B
30	15.5	HFF-30U-05-ND	5.40	45.00	330.00	05030-127B
36	18.5	HFF-36U-05-ND	5.54	46.13	338.25	05036-127B
40	20.5	HFF-40U-05-ND	5.63	46.88	343.75	05040-127B
50	25.5	HFF-50U-05-ND	5.85	48.75	357.50	05050-127B

1mm Flat Flex Cable

No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Pricing 1	10	100	Parlex Part No.
		2" (5.08cm) Flat Flex Cable				
5	6.15	HF05U-02-ND	2.25	18.75	137.50	10005-51B
6	7.15	HF06U-02-ND	2.25	18.75	137.50	10006-51B
7	8.15	HF07U-02-ND	2.25	18.75	137.50	10007-51B
8	9.15	HF08U-02-ND	2.48	20.63	151.25	10008-51B
10	11.15	HF10U-02-ND	2.70	22.50	165.00	10010-51B
12	13.15	HF12U-02-ND	2.93	24.38	178.75	10012-51B
14	15.15	HF14U-02-ND	3.15	26.25	192.50	10014-51B
16	16.15	HF15U-02-ND	3.15	26.25	192.50	10015-51B
17	16.15	HF16U-02-ND	3.38	28.13	206.25	10016-51B
17	18.15	HF17U-02-ND	3.38	28.13	206.25	10017-51B
18	19.15	HF18U-02-ND	3.60	30.00	220.00	10018-51B
20	21.15	HF20U-02-ND	3.83	31.88	233.75	10020-51B
22	23.15	HF22U-02-ND	4.05	33.75	247.50	10022-51B
24	25.15	HF24U-02-ND	4.28	35.63	261.25	10024-51B
26	27.15	HF26U-02-ND	4.50	37.50	275.00	10026-51B
28	29.15	HF28U-02-ND	4.73	39.38	288.75	10028-51B
30	31.15	HF30U-02-ND	4.95	41.25	302.50	10030-51B
		3" (7.62cm) Flat Flex Cable				
5	6.15	HF05U-03-ND	2.48	20.63	151.25	10005-76B
6	7.15	HF06U-03-ND	2.48	20.63	151.25	10006-76B
7	8.15	HF07U-03-ND	2.48	20.63	151.25	10007-76B
8	9.15	HF08U-03-ND	2.70	22.50	165.00	10008-76B
10	11.15	HF10U-03-ND	2.93	24.38	178.75	10010-76B
12	13.15	HF12U-03-ND	3.15	26.25	192.50	10012-76B
14	15.15	HF14U-03-ND	3.38	28.13	206.25	10014-76B
16	16.15	HF15U-03-ND	3.38	28.13	206.25	10015-76B
17	16.15	HF16U-03-ND	3.60	30.00	220.00	10016-76B
17	18.15	HF17U-03-ND	3.60	30.00	220.00	10017-76B
18	19.15	HF18U-03-ND	3.83	31.88	233.75	10018-76B
20	21.15	HF20U-03-ND	4.05	33.75	247.50	10020-76B
22	23.15	HF22U-03-ND	4.28	35.63	261.25	10022-76B
24	25.15	HF24U-03-ND	4.50	37.50	275.00	10024-76B
26	27.15	HF26U-03-ND	4.73	39.38	288.75	10026-76B
28	29.15	HF28U-03-ND	4.95	41.25	302.50	10028-76B
30	31.15	HF30U-03-ND	5.18	43.13	316.25	10030-76B
		4" (10.16cm) Flat Flex Cable				
5	6.15	HF05U-04-ND	2.70	22.50	165.00	10005-102B
6	7.15	HF06U-04-ND	2.70	22.50	165.00	10006-102B
7	8.15	HF07U-04-ND	2.70	22.50	165.00	10007-102B
8	9.15	HF08U-04-ND	2.93	24.38	178.75	10008-102B
10	11.15	HF10U-04-ND	3.15	26.25	192.50	10010-102B
12	13.15	HF12U-04-ND	3.38	28.13	206.25	10012-102B
14	15.15	HF14U-04-ND	3.60	30.00	220.00	10014-102B
16	16.15	HF15U-04-ND	3.60	30.00	220.00	10015-102B
17	16.15	HF16U-04-ND	3.83	31.88	233.75	10016-102B
17	18.15	HF17U-04-ND	3.83	31.88	233.75	10017-102B
18	19.15	HF18U-04-ND	4.05	33.75	247.50	10018-102B
20	21.15	HF20U-04-ND	4.28	35.63	261.25	10020-102B
22	23.15	HF22U-04-ND	4.50	37.50	275.00	10022-102B
24	25.15	HF24U-04-ND	4.73	39.38	288.75	10024-102B
26	27.15	HF26U-04-ND	4.95	41.25	302.50	10026-102B
28	29.15	HF28U-04-ND	5.18	43.13	316.25	10028-102B
30	31.15	HF30U-04-ND	5.40	45.00	330.00	10030-102B
		5" (12.70cm) Flat Flex Cable				
5	6.15	HF05U-05-ND	2.93	24.38	178.75	10005-127B
6	7.15	HF06U-05-ND	2.93	24.38	178.75	10006-127B
7	8.15	HF07U-05-ND	2.93	24.38	178.75	10007-127B
8	9.15	HF08U-05-ND	3.15	26.25	192.50	10008-127B
10	11.15	HF10U-05-ND	3.38	28.13	206.25	10010-127B
12	13.15	HF12U-05-ND	3.60	30.00	220.00	10012-127B
14	15.15	HF14U-05-ND	3.83	31.88	233.75	10014-127B
16	16.15	HF15U-05-ND	3.83	31.88	233.75	10015-127B
17	16.15	HF16U-05-ND	4.05	33.75	247.50	10016-127B
17	18.15	HF17U-05-ND	4.05	33.75	247.50	10017-127B
18	19.15	HF18U-05-ND	4.28	35.63	261.25	10018-127B
20	21.15	HF20U-05-ND	4.50	37.50	275.00	10020-127B
22	23.15	HF22U-05-ND	4.73	39.38	288.75	10022-127B
24	25.15	HF24U-05-ND	4.95	41.25	302.50	10024-127B
26	27.15	HF26U-05-ND	5.18	43.13	316.25	10026-127B
28	29.15	HF28U-05-ND	5.40	45.00	330.00	10028-127B
30	31.15	HF30U-05-ND	5.63	46.88	343.75	10030-127B
		8" (20.32cm) Flat Flex Cable				
5	6.15	HF05U-08-ND	3.60	30.00	220.00	10005-203B
6	7.15	HF06U-08-ND	3.60	30.00	220.00	10006-203B
7	8.15	HF07U-08-ND	3.60	30.00	220.00	10007-203B
8	9.15	HF08U-08-ND	3.83	31.88	233.75	10008-203B
10	11.15	HF10U-08-ND	4.05	33.75	247.50	10010-203B
12	13.15	HF12U-08-ND	4.28	35.63	261.25	10012-203B
14	15.15	HF14U-08-ND	4.50	37.50	275.00	10014-203B
16	16.15	HF15U-08-ND	4.50	37.50	275.00	10015-203B
17	16.15	HF16U-08-ND	4.73	39.38	288.75	10016-203B
17	18.15	HF17U-08-ND	4.73	39.38	288.75	10017-203B
18	19.15	HF18U-08-ND	4.95	41.25	302.50	10018-203B
20	21.15	HF20U-08-ND	5.18	43.13	316.25	10020-203B
22	23.15	HF22U-08-ND	5.40	45.00	330.00	10022-203B
24	25.15	HF24U-08-ND	5.63	46.88	343.75	10024-203B
26	27.15	HF26U-08-ND	5.85	48.75	357.50	10026-203B
28	29.15	HF28U-08-ND	6.08	50.63	371.25	10028-203B
30	31.15	HF30U-08-ND	6.30	52.50	385.00	10030-203B
		10" (25.40cm) Flat Flex Cable				
5	6.15	HF05U-10-ND	4.05	33.75	247.50	10005-254B
6	7.15	HF06U-10-ND	4.05	33.75	247.50	10006-254B
7	8.15	HF07U-10-ND	4.05	33.75	247.50	10007-254B
8	9.15	HF08U-10-ND	4.28	35.63	261.25	10008-254B
10	11.15	HF10U-10-ND	4.50	37.50	275.00	10010-254B
12	13.15	HF12U-10-ND	4.73	39.38	288.75	10012-254B
14	15.15	HF14U-10-ND	4.95	41.25	302.50	10014-254B
16	16.15	HF15U-10-ND	4.95	41.25	302.50	10015-254B
16	17.15	HF16U-10-ND	5.18	43.13	316.25	10016-254B
17	18.15	HF17U-10-ND	5.18	43.13	316.25	10017-254B
18	19.15	HF18U-10-ND	5.40	45.00	330.00	10018-254B
20	21.15	HF20U-10-ND	5.63	46.88	343.75	10020-254B
22	23.15	HF22U-10-ND	5.85	48.75	357.50	10022-254B
24	25.15	HF24U-10-ND	6.08	50.63	371.25	10024-254B
26	27.15	HF26U-10-ND	6.30	52.50	385.00	10026-254B
28	29.15	HF28U-10-ND	6.53	54.38	398.75	10028-254B
30	31.15	HF30U-10-ND	6.75	56.25	412.50	10030-254B
		12" (30.48cm) Flat Flex Cable				
5	6.15	HF05U-12-ND	4.50	37.50	275.00	10005-305B
6	7.15	HF06U-12-ND	4.50	37.50	275.00	10006-305B
7	8.15	HF07U-12-ND	4.50	37.50	275.00	10007-305B
8	9.15	HF08U-12-ND	4.73	39.38	288.75	10008-305B
10	11.15	HF10U-12-ND	4.95	41.25	302.50	10010-305B
12	13.15	HF12U-12-ND	5.18	43.13	316.25	10012-305B
14	15.15	HF14U-12-ND	5.40	45.00	330.00	10014-305B
16	16.15	HF15U-12-ND	5.40	45.00	330.00	10015-305B
16	17.15	HF16U-12-ND	5.63	46.88	343.75	10016-305B
17	18.15	HF17U-12-ND	5.63	46.88	343.75	10017-305B
18	19.15	HF18U-12-ND	5.85	48.75	357.50	10018-305B
20	21.15	HF20U-12-ND	6.08	50.63	371.25	10020-305B
22	23.15	HF22U-12-ND	6.30	52.50	385.00	10022-305B
24	25.15	HF24U-12-ND	6.53	54.38	398.75	10024-305B
26	27.15	HF26U-12-ND	6.75	56.25	412.50	10026-305B
28	29.15	HF28U-12-ND	6.98	58.13	426.25	10028-305B
30	31.15	HF30U-12-ND	7.20	60.00	440.00	10030-305B
		18" (45.72cm) Flat Flex Cable				
5	6.15	HF05U-18-ND	5.85	48.75	357.50	10005-457B
6	7.15	HF06U-18-ND	5.85	48.75	357.50	10006-457B
7	8.15	HF07U-18-ND	5.85	48.75	357.50	10007-457B
8	9.15	HF08U-18-ND	6.08	50.63	371.25	10008-457B
10	11.15	HF10U-18-ND	6.30	52.50	385.00	10010-457B
12	13.15	HF12U-18-ND	6.53	54.38	398.75	10012-457B
14	15.15	HF14U-18-ND	6.75	56.25	412.50	10014-457B
16	16.15	HF15U-18-ND	6.75	56.25	412.50	10015-457B
16	17.15	HF16U-18-ND	6.98	58.13	426.25	10016-457B
17	18.15	HF17U-18-ND	6.53	46.88	343.75	10017-305B
18	19.15	HF18U-18-ND	7.20	60.00	440.00	10018-457B
20	21.15	HF20U-18-ND	7.43	61.88	453.75	10020-457B
22	23.15	HF22U-18-ND	7.65	63.75	467.50	10022-457B
24	25.15	HF24U-18-ND	7.88	65.63	481.25	10024-457B
26	27.15	HF26U-18-ND	8.10	67.50	496.00	10026-457B
28	29.15	HF28U-18-ND	8.33	69.38	508.75	10028-457B
30	31.15	HF30U-18-ND	8.55	71.25	522.50	10030-457B

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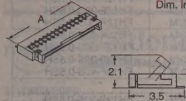
High Density FFC/FPC Connectors

FH19 and FH19S Series Flex Connectors (0.5mm Pitch) Flat Flex Cable and Flexible Printed Circuit



Dim. in mm.

Features: • Conductive traces on the PCB can be designed to run under the connector. All bottom surface of the connector is solid, without any exposure of the contact • Accepts 0.2mm and 0.3mm thick FPC and FFC, easily inserted in the connector • The connector will also terminate successfully with 0.2mm thick Flat Flexible Cable (FFC)

Applications: • Notebook PC's, PDA's, digital cameras and other compact devices requiring interconnection of the main circuit board with the LCD, plasma display (PDP), HDD or other devices

Specifications: • Current Rating: 0.5A DC • Voltage Rating: 50VAC • Operating Temperature: -55°C ~ 80°C • Operating Humidity Range: Relative humidity 90% maximum (No condensation) • Insulation Resistance: 500MΩ minimum @ 100VDC • Contact Resistance: 100mΩ maximum @ 1mA (Including FPC/FFC conductor resistance) •FH19 Series: Thickness: = 0.2 ± 0.03mm tin or gold plating* • FH19S Series: Thickness: = 0.3 ± 0.03mm tin or gold plating*

Materials: • Insulators: LCP — beige; PPS — FH19 Series: Dark brown, FH19S Series: Black; all UL94V-0 • Contacts: Phosphor bronze, pure tin plating* • Metal fittings: Phosphor bronze, pure tin reflow plating

***Note:** When FPC is gold plated, connector contacts should also be gold plated*

No. of Pos.	Dimension A (mm)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	250	Digi-Key Part No.	Tape & Reel Pricing 5,000	Hirose Part No.
9	6.5	HFN09CT-ND	1.67	1.39	1.03	.86	HFN09TR-ND	643.00/M	FH19-9S-0.5SH(51)
13	8.5	HFN13CT-ND	1.82	1.51	1.12	.93	HFN13TR-ND	699.00/M	FH19-13S-0.5SH(51)
17	10.5	HFN17CT-ND	1.91	1.59	1.18	.98	HFN17TR-ND	734.00/M	FH19-17S-0.5SH(51)
20	12.0	HFN20CT-ND	2.03	1.69	1.26	1.04	HFN20TR-ND	783.00/M	FH19-20S-0.5SH(51)
30	17.0	HFN30CT-ND	2.39	1.99	1.47	1.23	HFN30TR-ND	919.00/M	FH19-30S-0.5SH(51)
9	6.5	HFN109CT-ND†◆	1.80	1.50	1.11	.93	HFN109TR-ND†◆	694.00/M	FH19-9S-0.5SH(05)
13	8.5	HFN113CT-ND†◆	2.01	1.67	1.24	1.03	HFN113TR-ND†◆	771.00/M	FH19-13S-0.5SH(05)
17	10.5	HFN117CT-ND†◆	2.16	1.80	1.33	1.11	HFN117TR-ND†◆	830.00/M	FH19-17S-0.5SH(05)
20	12.0	HFN120CT-ND†◆	2.33	1.94	1.44	1.19	HFN120TR-ND†◆	895.00/M	FH19-20S-0.5SH(05)
30	17.0	HFN130CT-ND†◆	2.83	2.36	1.75	1.45	HFN130TR-ND†◆	1089.00/M	FH19-30S-0.5SH(05)
12	6.0	HFN212CT-ND	1.75	1.45	1.08	.90	HFN212TR-ND	671.00/M	FH19S-12S-0.5SH(51)
17	10.5	HFN217CT-ND	1.91	1.59	1.18	.98	HFN217TR-ND	734.00/M	FH19S-17S-0.5SH(51)
18	11.0	HFN218CT-ND	1.97	1.64	1.22	1.01	HFN218TR-ND	758.00/M	FH19S-18S-0.5SH(51)
20	12.0	HFN220CT-ND	2.03	1.69	1.26	1.04	HFN220TR-ND	783.00/M	FH19S-20S-0.5SH(51)
22	13.0	HFN222CT-ND	2.11	1.75	1.30	1.08	HFN222TR-ND	810.00/M	FH19S-22S-0.5SH(51)
24	14.0	HFN224CT-ND	2.18	1.81	1.34	1.12	HFN224TR-ND	838.00/M	FH19S-24S-0.5SH(51)
26	15.0	HFN226CT-ND	2.26	1.88	1.39	1.16	HFN226TR-ND	869.00/M	FH19S-26S-0.5SH(51)
27	15.5	HFN227CT-ND	2.31	1.92	1.43	1.19	HFN227TR-ND	890.00/M	FH19S-27S-0.5SH(51)
50	27.0	HFN228CT-ND	2.96	2.45	1.84	1.48	HFN228TR-ND	1275.00/M	FH19S-50S-0.5SH(51)
50	27.0	HFN350CT-ND◆	3.60	2.98	2.24	1.80	HFN350TR-ND◆	1550.00/M	FH19S-50S-0.5SH(05)
12	8.0	HFN312CT-ND†◆	1.92	1.60	1.19	.99	HFN312TR-ND†◆	740.00/M	FH19S-12S-0.5SH(05)
17	10.5	HFN317CT-ND†◆	2.16	1.80	1.33	1.11	HFN317TR-ND†◆	830.00/M	FH19S-17S-0.5SH(05)
18	11.0	HFN318CT-ND†◆	2.24	1.86	1.38	1.15	HFN318TR-ND†◆	860.00/M	FH19S-18S-0.5SH(05)
20	12.0	HFN320CT-ND†◆	2.33	1.94	1.44	1.19	HFN320TR-ND†◆	895.00/M	FH19S-20S-0.5SH(05)
22	13.0	HFN322CT-ND†◆	2.43	2.02	1.50	1.24	HFN322TR-ND†◆	934.00/M	FH19S-22S-0.5SH(05)
24	14.0	HFN324CT-ND†◆	2.53	2.11	1.56	1.30	HFN324TR-ND†◆	974.00/M	FH19S-24S-0.5SH(05)
26	15.0	HFN326CT-ND†◆	2.64	2.20	1.63	1.35	HFN326TR-ND†◆	1016.00/M	FH19S-26S-0.5SH(05)
27	15.5	HFN327CT-ND†◆	2.71	2.26	1.67	1.39	HFN327TR-ND†◆	1043.00/M	FH19S-27S-0.5SH(05)

† Gold Plating ◆ ***RoHS Compliant***

0.5mm and 1.0mm Flex Connectors

FH12, FH12F and FH12S Series — "Flip-Lock" SMT/ZIF Type Flexible Printed Circuit Board Connectors

The FH12 Series of miniature connectors for FPC/FFC use brings form to the newly developed "flip-lock" concept and can be used with Surface Mount Technology (SMT) to eliminate the problems of the contemporary slide-lock system. These connectors have a contact spacing of 0.5mm, are suited to high density mounting, and are based on a single-action Zero Insertion Force (ZIF) structure for easy connections. Types with top or bottom contacts, and vertical mounting are available to suit your applications.

Materials/Finish: • **Insulation**: Polyamide Resin, beige; PPS Resin, dark brown (UL94V-0) • **Contacts**: Phosphor Bronze, solder plating

Electrical: • **Rated Current**: 0.4A • **Insulation Resistance**: 500MΩ or greater at 100VDC • **Withstanding Voltage**: 150VAC for one minute • **Contact Resistance**: 50mΩ or less ***(Note:** When all conductors are to continuously carry the rated current, set the current to 70% of the rated current value.)*

Fig. 1

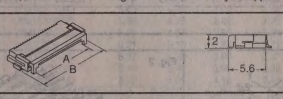
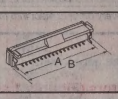


Fig. 2



Dim. in mm.

Fig.	No. of Pos.	Dimensions (mm) A	B	Digi-Key Part No.	Cut Tape Price Each 1	25	100	250	Digi-Key Part No.	Tape & Reel Size	Pricing	Hirose Part No.
					.5mm Horizontal Mount — Bottom Contact Type							
	6	3.57	7.1	HFJ06CT-ND	1.88	1.36	1.12	.94	HFJ06TR-ND	2,000	642.00/M	FH12-6S-0.5SH
	10	5.57	9.1	HFJ10CT-ND	1.79	1.38	1.11	.92	HFJ10TR-ND	2,000	704.00/M	FH12-10S-0.5SH
	11	6.07	9.6	HFJ11CT-ND	1.84	1.42	1.14	.94	HFJ11TR-ND	2,000	722.00/M	FH12-11S-0.5SH
	12	6.57	10.1	HFJ12CT-ND	1.84	1.42	1.14	.94	HFJ12TR-ND	2,000	722.00/M	FH12-12S-0.5SH
	13	7.07	10.6	HFJ13CT-ND	1.89	1.46	1.17	.97	HFJ13TR-ND	2,000	741.00/M	FH12-13S-0.5SH
	14	7.57	11.1	HFJ14CT-ND	1.93	1.49	1.19	.99	HFJ14TR-ND	2,000	759.00/M	FH12-14S-0.5SH
	15	8.07	11.6	HFJ15CT-ND	1.98	1.53	1.22	1.02	HFJ15TR-ND	2,000	778.00/M	FH12-15S-0.5SH
	16	8.57	12.1	HFJ16CT-ND	1.98	1.53	1.22	1.02	HFJ16TR-ND	2,000	778.00/M	FH12-16S-0.5SH
	17	9.07	12.6	HFJ17CT-ND	2.08	1.60	1.28	1.07	HFJ17TR-ND	2,000	815.00/M	FH12-17S-0.5SH
	18	9.57	13.1	HFJ18CT-ND	2.12	1.64	1.31	1.09	HFJ18TR-ND	2,000	833.00/M	FH12-18S-0.5SH
	19	10.07	13.6	HFJ19CT-ND	2.12	1.64	1.31	1.09	HFJ19TR-ND	2,000	833.00/M	FH12-19S-0.5SH
	20	10.57	14.1	HFJ20CT-ND	2.17	1.67	1.34	1.11	HFJ20TR-ND	2,000	852.00/M	FH12-20S-0.5SH
1	22	11.57	15.1	HFJ22CT-ND	2.27	1.75	1.40	1.16	HFJ22TR-ND	2,000	889.00/M	FH12-22S-0.5SH
	24	12.57	16.1	HFJ24CT-ND	2.36	1.82	1.46	1.21	—	—	—	FH12-24S-0.5SH
	26	13.57	17.1	HFJ26CT-ND	2.41	1.86	1.49	1.23	HFJ26TR-ND	2,000	945.00/M	FH12-26S-0.5SH
	28	14.57	18.1	HFJ28CT-ND	2.50	1.93	1.54	1.28	HFJ28TR-ND	2,000	982.00/M	FH12-28S-0.5SH
	30	15.57	19.1	HFJ30CT-ND	2.55	1.96	1.57	1.31	HFJ30TR-ND	2,000	1000.00/M	FH12-30S-0.5SH
	32	16.57	20.1	HFJ32CT-ND	2.64	2.04	1.63	1.35	HFJ32TR-ND	2,000	1037.00/M	FH12-32S-0.5SH
	33	17.07	20.6	HFJ33CT-ND	2.74	2.11	1.69	1.40	HFJ33TR-ND	2,000	1074.00/M	FH12-33S-0.5SH
	34	17.57	21.1	HFJ34CT-ND	2.74	2.11	1.69	1.40	HFJ34TR-ND	2,000	1074.00/M	FH12-34S-0.5SH
	36	18.57	22.1	HFJ36CT-ND	2.97	2.29	1.83	1.52	HFJ36TR-ND	2,000	1167.00/M	FH12-36S-0.5SH
	40	20.57	24.1	HFJ40CT-ND	3.11	2.40	1.92	1.60	HFJ40TR-ND	2,000	1221.00/M	FH12-40S-0.5SH
	45	23.07	26.6	HFJ45CT-ND	2.99	2.32	1.86	1.50	HFJ45TR-ND	2,000	1313.00/M	FH12-45S-0.5SH
	50	25.57	29.1	HFJ50CT-ND	3.16	2.46	1.97	1.59	HFJ50TR-ND	2,000	1390.00/M	FH12-50S-0.5SH
	53	27.07	30.6	HFJ53CT-ND	3.28	2.55	2.04	1.64	HFJ53TR-ND	2,000	1441.00/M	FH12-53S-0.5SH
					.5mm Horizontal Mount — Bottom Contact Type with 0.18mm FPC End Thickness							
	6	3.57	7.1	HFR06CT-ND	1.88	1.36	1.12	.94	—	—	—	FH12F-6S-0.5SH
	10	5.57	9.1	HFR10CT-ND	1.70	1.31	1.05	.87	HFR10TR-ND	2,000	667.00/M	FH12F-10S-0.5SH
	12	6.57	10.1	HFR12CT-ND	1.84	1.42	1.14	.94	HFR12TR-ND	2,000	722.00/M	FH12F-12S-0.5SH
	13	7.07	10.6	HFR13CT-ND	1.89	1.46	1.17	.97	HFR13TR-ND	2,000	741.00/M	FH12F-13S-0.5SH
1	14	7.57	11.1	HFR14CT-ND	1.93	1.49	1.19	.99	HFR14TR-ND	2,000	759.00/M	FH12F-14S-0.5SH
	15	8.07	11.6	HFR15CT-ND	1.98	1.53	1.22	1.02	HFR15TR-ND	2,000	778.00/M	FH12F-15S-0.5SH
	16	8.57	12.1	HFR16CT-ND	2.08	1.60	1.28	1.07	HFR16TR-ND	2,000	815.00/M	FH12F-16S-0.5SH
	18	9.57	13.1	HFR18CT-ND	2.12	1.64	1.31	1.09	HFR18TR-ND	2,000	833.00/M	FH12F-18S-0.5SH
	20	10.57	14.1	HFR20CT-ND	2.17	1.67	1.34	1.11	HFR20TR-ND	2,000	852.00/M	FH12F-20S-0.5SH

***Note:** The 1.0mm version of FH12 is constructed by loading every other contact into the 0.5mm housing.*

(Continued)

0.5mm and 1.0mm Flex Connectors *(Cont.)*

Fig.	No. of Pos.	Dimensions (mm) A	B	Digi-Key Part No.	Cut Tape Price Each 1	25	100	250	Digi-Key Part No.	Tape & Reel Size	Pricing	Hirose Part No.
	22	11.57	15.1	HFR22CT-ND	2.27	1.75	1.40	1.16	HFR22TR-ND	2,000	889.00/M	FH12F-22S-0.5SH
	24	12.57	16.1	HFR24CT-ND	2.36	1.82	1.46	1.21	HFR24TR-ND	2,000	926.00/M	FH12F-24S-0.5SH
	26	13.57	17.1	HFR26CT-ND	2.41	1.86	1.49	1.23	HFR26TR-ND	2,000	945.00/M	FH12F-26S-0.5SH
	28	14.57	18.1	HFR28CT-ND	2.50	1.93	1.54	1.28	HFR28TR-ND	2,000	982.00/M	FH12F-28S-0.5SH
1	30	15.57	19.1	HFR30CT-ND	2.64	2.04	1.63	1.35	HFR30TR-ND	2,000	1037.00/M	FH12F-30S-0.5SH
	32	16.57	20.1	HFR32CT-ND	2.74	2.11	1.69	1.40	HFR32TR-ND	2,000	1074.00/M	FH12F-32S-0.5SH
	34	17.57	21.1	HFR34CT-ND	2.74	2.11	1.69	1.40	HFR34TR-ND	2,000	1074.00/M	FH12F-34S-0.5SH
	36	18.57	22.1	HFR36CT-ND	2.97	2.29	1.83	1.52	HFR36TR-ND	2,000	1167.00/M	FH12F-36S-0.5SH
	40	20.57	24.1	HFR40CT-ND	3.11	2.40	1.92	1.60	HFR40TR-ND	2,000	1221.00/M	FH12F-40S-0.5SH
				.5mm Horizontal Mount — Bottom Contact Type with Strengthened Lock Lever								
	30	15.57	19.1	HFA30CT-ND	2.55	1.96	1.57	1.31	HFA30TR-ND	2,000	1000.00/M	FH12S-30S-0.5SH
	40	20.57	24.1	HFA40CT-ND	3.11	2.40	1.92	1.60	HFA40TR-ND	2,000	1221.00/M	FH12S-40S-0.5SH
1	45	23.07	26.6	HFA45CT-ND	2.99	2.32	1.86	1.50	—	—	—	FH12S-45S-0.5SH
	50	25.57	29.1	HFA50CT-ND	3.16	2.46	1.97	1.59	HFA50TR-ND	2,000	1390.00/M	FH12S-50S-0.5SH
	53	27.07	30.6	HFA53CT-ND	3.28	2.55	2.04	1.64	HFA53TR-ND	2,000	1441.00/M	FH12S-53S-0.5SH
				NEW! .5mm Horizontal Mount — Bottom Contact Type with Strengthened Lock Lever — RoHS Compliant NEW!								
	30	15.57	19.1	HFA130CT-ND	2.97	2.29	1.83	1.52	HFA130TR-ND	2,000	1167.00/M	FH12S-30S-0.5SH(55)
	40	20.57	24.1	HFA140CT-ND	3.28	2.55	2.04	1.64	HFA140TR-ND	2,000	1441.00/M	FH12S-40S-0.5SH(55)
1	45	23.07	26.6	HFA145CT-ND	3.71	2.88	2.31	1.86	HFA145TR-ND	2,000	1632.00/M	FH12S-45S-0.5SH(55)
	50	25.57	29.1	HFA150CT-ND	4.03	3.13	2.51	2.02	HFA150TR-ND	2,000	1772.00/M	FH12S-50S-0.5SH(55)
				1.0mm Horizontal Mount* — Bottom Contact Type								
	5	6.07	9.6	HFB05CT-ND	1.21	.88	.72	.61	HFB05TR-ND	2,000	415.00/M	FH12-5S-1SH
	6	7.07	10.6	HFB06CT-ND	1.27	.92	.76	.64	HFB06TR-ND	2,000	434.00/M	FH12-6S-1SH
	7	8.07	11.6	HFB07CT-ND	1.33	.96	.79	.67	HFB07TR-ND	2,000	454.00/M	FH12-7S-1SH
	8	9.07	12.6	HFB08CT-ND	1.44	1.05	.86	.73	HFB08TR-ND	2,000	493.00/M	FH12-8S-1SH
1	9	10.07	13.6	HFB09CT-ND	1.49	1.08	.89	.75	—	—	—	FH12-9S-1SH
	11	12.07	15.6	HFB11CT-ND	1.60	1.16	.95	.80	HFB11TR-ND	2,000	547.00/M	FH12-11S-1SH
	16	17.07	20.6	HFB16CT-ND	1.77	1.28	1.05	.89	HFB16TR-ND	2,000	605.00/M	FH12-16S-1SH
	22	23.07	26.6	HFB22CT-ND	1.70	1.31	1.05	.87	HFB22TR-ND	2,000	667.00/M	FH12-22S-1SH
	26	27.07	30.6	HFB26CT-ND	1.89	1.46	1.17	.97	HFB26TR-ND	2,000	741.00/M	FH12-26S-1SH
				NEW! 1.0mm Horizontal Mount* — Bottom Contact Type — RoHS Compliant NEW!								
	5	6.07	9.6	HFB105CT-ND	1.44	1.04	.86	.72	HFB105TR-ND	2,000	491.00/M	FH12-5S-1SH(55)
	6	7.07	10.6	HFB106CT-ND	1.49	1.08	.89	.75	HFB106TR-ND	2,000	510.00/M	FH12-6S-1SH(55)
	7	8.07	11.6	HFB107CT-ND	1.55	1.12	.92	.78	HFB107TR-ND	2,000	529.00/M	FH12-7S-1SH(55)
	8	9.07	12.6	HFB108CT-ND	1.60	1.16	.95	.80	HFB108TR-ND	2,000	547.00/M	FH12-8S-1SH(55)
1	9	10.07	13.6	HFB109CT-ND	1.66	1.20	.99	.83	HFB109TR-ND	2,000	567.00/M	FH12-9S-1SH(55)
	11	12.07	15.6	HFB111CT-ND	1.82	1.32	1.08	.92	HFB111TR-ND	2,000	623.00/M	FH12-11S-1SH(55)
	16	17.07	20.6	HFB116CT-ND	1.79	1.38	1.11	.92	HFB116TR-ND	2,000	704.00/M	FH12-16S-1SH(55)
	22	23.07	26.6	HFB122CT-ND	1.98	1.53	1.22	1.02	HFB122TR-ND	2,000	778.00/M	FH12-22S-1SH(55)
	26	27.07	30.6	HFB126CT-ND	2.17	1.67	1.34	1.11	HFB126TR-ND	2,000	852.00/M	FH12-26S-1SH(55)
				1.0mm Vertical Mount*								
	6	5	9.9	HFC06CT-ND	1.60	1.16	.95	.80	HFC06TR-ND	1,000	560.00	FH12-6S-1SV
	7	6	10.9	HFC07CT-ND	1.66	1.20	.99	.83	HFC07TR-ND	1,000	580.00	FH12-7S-1SV
	8	7	11.9	HFC08CT-ND	1.77	1.28	1.05	.89	HFC08TR-ND	1,000	618.00	FH12-8S-1SV
2	16	15	19.9	HFC16CT-ND	1.79	1.38	1.11	.92	—	—	—	FH12-16S-1SV
	20	19	23.9	HFC20CT-ND	1.98	1.53	1.22	1.02	HFC20TR-ND	1,000	811.00	FH12-20S-1SV
	22	21	25.9	HFC22CT-ND	2.12	1.64	1.31	1.09	HFC22TR-ND	1,000	868.00	FH12-22S-1SV
	24	23	27.9	HFC24CT-ND	2.22	1.71	1.37	1.14	HFC24TR-ND	1,000	908.00	FH12-24S-1SV
				NEW! 1.0mm Vertical Mount* — RoHS Compliant NEW!								
	6	5	9.9	HFC106CT-ND	1.82	1.32	1.08	.92	HFC106TR-ND	1,000	637.00	FH12-6S-1SV(55)
	8	7	11.9	HFC108CT-ND	1.65	1.27	1.02	.85	HFC108TR-ND	1,000	676.00	FH12-8S-1SV(55)
2	16	15	19.9	HFC116CT-ND	2.12	1.64	1.31	1.09	HFC116TR-ND	1,000	868.00	FH12-16S-1SV(55)
	20	19	23.9	HFC120CT-ND	2.41	1.86	1.49	1.23	HFC120TR-ND	1,000	986.00	FH12-20S-1SV(55)
	24	23	27.9	HFC124CT-ND	2.74	2.11	1.69	1.40	HFC124TR-ND	1,000	1120.00	FH12-24S-1SV(55)

**** Note:** The 1.0mm version of FH12 is constructed by loading every other contact into the 0.5mm housing.*

1mm Flex Connectors

1mm Pitch Flexible Printed Circuit Connectors (Figures 1 and 2)

Features: • High-density packaging achieved by 1mm pitch contacts • Dual-side contact construction allows FPC and FFC conductors to be inserted in either direction • Enhanced contact reliability through high contact pressure • Applicable to 0.25mm to 0.35mm thick flexible printed circuit boards • Uses PBT (UL94V-0) insulating materials which are highly resistant to solvents and high temperature • Kinked dip posts for board retention during wave soldering **Material/Finish:** • **Insulator:** Polybutylene Phthalate, black • **Contacts:** Phosphor Bronze, tin-lead plated **Electrical:** • **Rated Current:** 0.5A • **Insulation Resistance:** At 100VDC, 500MΩ minimum • **Withstanding Voltage:** 150VAC for 1 minute • **Contact Resistance:** 40mΩ maximum

SMT ZIF Type Flexible PCB Connectors (Figures 3 and 4)

Features: • Low profile type with 3mm packaged height; 1mm pitch permits high-density packaging • Excellent workability is offered by the ZIF structure which provides positive contact by only lightly inserting FPC/FFC and then pushing in the movable locking flap • Recommended thickness of flexible circuit board is 0.25mm to 0.30mm. • PPS (UL94V-0) with excellent solvent resistance and high temperature resistance is used for the insulation material • The SMT type connectors permit high density and automatic packaging on circuit boards **Material/Finish:** • **Insulator:** PPS Resin, natural finish • **Contacts:** Phosphor Bronze, tin plating **Electrical:** • **Rated Current:** 0.5A • **Insulator Resistance:** 500MΩ at 100VDC minimum • **Withstanding Voltage:** 150VAC for 1 minute at specified value • **Contact Resistance:** 25mΩ maximum

Fig. 1

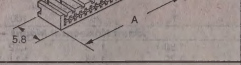


Fig. 2

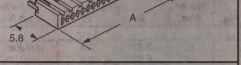


Fig. 3

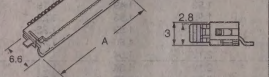
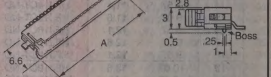


Fig. 4



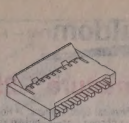
No. of Pos.	Dim. A (mm)	Digi-Key Part No.	1	10	100	250	Hirose Part No.
		Fig. 1 - Right Angle					
5	7	HFG05T-ND	.60	.42	.29	.24	FH21-5S-1DS
6	8	HFG06T-ND	.60	.42	.29	.24	FH21-6S-1DS
9	10	HFG09T-ND	.57	.47	.34	.29	FH21-8S-1DS
10	12	HFG10T-ND	.68	.56	.41	.35	FH21-10S-1DS
14	16	HFG12T-ND	.80	.66	.48	.40	FH21-12S-1DS
14	16	HFG14T-ND	.91	.75	.54	.46	FH21-14S-1DS
15	17	HFG15T-ND	.99	.81	.59	.50	FH21-15S-1DS
16	18	HFG16T-ND	1.03	.84	.61	.52	FH21-16S-1DS
18	20	HFG18T-ND	1.10	.90	.66	.56	FH21-18S-1DS
20	22	HFG20T-ND	1.22	1.00	.72	.61	FH21-20S-1DS
22	24	HFG22T-ND	1.25	1.03	.75	.63	FH21-22S-1DS
24	26	HFG24T-ND	1.37	1.12	.81	.69	FH21-24S-1DS
26	28	HFG26T-ND	1.48	1.21	.88	.75	FH21-26S-1DS
28	30	HFG28T-ND	1.63	1.34	.97	.82	FH21-28S-1DS
30	32	HFG30T-ND	1.67	1.37	.99	.84	FH21-30S-1DS
		Fig. 2 - Straight					
5	7	HFF05T-ND	.60	.42	.29	.24	FH21-5S-1DSA
6	8	HFF06T-ND	.60	.42	.29	.24	FH21-6S-1DSA
8	10	HFF08T-ND	.57	.47	.34	.29	FH21-8S-1DSA
10	12	HFF10T-ND	.65	.53	.39	.33	FH21-10S-1DSA
12	14	HFF12T-ND	.68	.56	.41	.35	FH21-12S-1DSA
14	16	HFF14T-ND	.76	.62	.45	.38	FH21-14S-1DSA
15	17	HFF15T-ND	.91	.75	.54	.46	FH21-15S-1DSA
16	18	HFF16T-ND	.87	.72	.52	.44	FH21-16S-1DSA
18	20	HFF18T-ND	1.03	.84	.61	.52	FH21-18S-1DSA
20	22	HFF20T-ND	1.10	.90	.66	.56	FH21-20S-1DSA
22	24	HFF22T-ND	1.14	.93	.68	.57	FH21-22S-1DSA
24	26	HFF24T-ND	1.22	1.00	.72	.61	FH21-24S-1DSA
26	28	HFF26T-ND	1.25	1.03	.75	.63	FH21-26S-1DSA
28	30	HFF28T-ND	1.44	1.18	.86	.73	FH21-28S-1DSA
30	32	HFF30T-ND	1.48	1.21	.88	.75	FH21-30S-1DSA
		Fig. 3 - SMT Flex without Board Mount Boss					
7	13.2	HFF07T-ND	1.79	1.46	1.06	.90	FH10A-7S-1SH
8	14.2	HFF08T-ND	1.86	1.52	1.11	.94	FH10A-8S-1SH
12	18.2	HFF12T-ND	2.24	1.87	1.38	1.15	FH10A-12S-1SH
17	23.2	HFF17T-ND	2.28	1.89	1.40	1.17	FH10A-17S-1SH
19	25.2	HFF19T-ND	2.02	1.68	1.24	1.03	FH10A-19S-1SH

No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Price Each 1	10	100	250	Hirose Part No.
20	26.2	HFF20F-ND	2.50	2.08	1.54	1.28	FH10A-20S-1SH
21	27.2	HFF21F-ND	2.15	1.79	1.32	1.10	FH10A-21S-1SH
24	30.2	HFF24F-ND	2.73	2.27	1.68	1.40	FH10A-24S-1SH
26	32.2	HFF26F-ND	3.06	2.54	1.88	1.57	FH10A-26S-1SH
27	33.2	HFF27F-ND	2.63	2.19	1.62	1.35	FH10A-27S-1SH
30	36.2	HFF30F-ND	2.99	2.48	1.86	1.50	FH10A-30S-1SH
		Fig. 4 - SMT Flex with Board Mount Boss					
7	13.2	HFH07T-ND	1.79	1.46	1.06	.90	FH10A-7S-1SHB
8	14.2	HFH08T-ND	1.86	1.52	1.11	.94	FH10A-8S-1SHB
12	18.2	HFH12T-ND	1.92	1.60	1.18	.98	FH10A-12S-1SHB
14	20.2	HFH14T-ND	2.05	1.71	1.26	1.05	FH10A-14S-1SHB
16	22.2	HFH16T-ND	2.24	1.87	1.38	1.15	FH10A-16S-1SHB
17	23.2	HFH17T-ND	2.28	1.89	1.40	1.17	FH10A-17S-1SHB
19	25.2	HFH19T-ND	2.02	1.68	1.24	1.03	FH10A-19S-1SHB
20	26.2	HFH20T-ND	2.50	2.08	1.54	1.28	FH10A-20S-1SHB
21	27.2	HFH21T-ND	2.15	1.79	1.32	1.10	FH10A-21S-1SHB
24	30.2	HFH24T-ND	2.73	2.27	1.68	1.40	FH10A-24S-1SHB
26	32.2	HFH26T-ND	3.06	2.54	1.88	1.57	FH10A-26S-1SHB
27	33.2	HFH27T-ND	2.63	2.19	1.62	1.35	FH10A-27S-1SHB
30	36.2	HFH30T-ND	2.99	2.48	1.86	1.50	FH10A-30S-1SHB

OMRON 0.3mm-Pitch Rotary Backlock FPC Connector - XF2B

No. of Pos.	Dim. A (mm)	Dim. B (mm)	Digi-Key Part No.	Cut Tape Price Each 1	25	50	Tape & Reel Size	Pricing*	Omron Part No.
17	4.2	4.8	OR694CT-ND	1.63	1.47	1.31	1,500	814.50/M	XF2B174531A
23	6.0	6.6	OR695CT-ND	1.95	1.76	1.57	1,500	976.63/M	XF2B234531A
31	8.4	9.0	OR696CT-ND	2.41	2.17	1.93	1,500	1202.50/M	XF2B314531A
33	9.0	9.6	OR697CT-ND	2.52	2.27	2.02	1,500	1260.26/M	XF2B334531A

SPECIFICATIONS: Rated Current: 0.2A AC/DC **Rated Voltage:** 50V AC/DC **Insertion Tolerance:** 10 times **Operating Temperature:** -30°C ~ 85°C **Materials/Finish: Housing:** LCP resin (UL94V-0)/natural **Slider:** LCP resin (UL94V-0)/black **Contact:** Spring copper alloy/nickel substrate (2µm) gold-plated contacts (0.15µm)

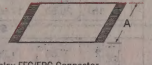


* For Tape and Reel part number, change CT-ND to TR-ND.

A

molex Waldom ELECTRONICS 0.5mm Pitch Standard Length Jumper - Unshielded Flat Flex Cable

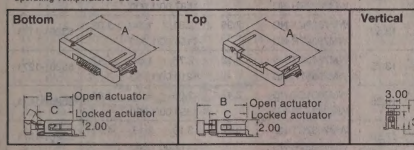
SPECIFICATIONS:
Electrical: • Voltage: 30V • Current: 0.5A **Physical:** • Strip Length: 4.0mm (.157") • Reinforcement Length: 6.00mm (.236") • Conductor Width: 0.30mm (.012") • Conductor Thickness: 0.10 mm (.004") • End Thickness: 0.30±0.05mm (.012 ±.002") • Temperature: -40°C ~ 80°C
Reference Information: • UL Style No: 2896 • Mates with any 0.50mm (.020") Pitch Molex FFC/FPC Connector



No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Price Each 1	10	100	250	Molex Part No.
		2.00" (51mm)					
6	3.5	WM10200-ND	4.14	3.46	2.54	2.15	21020-0053
10	5.5	WM10201-ND	4.14	3.45	2.54	2.15	21020-0097
20	10.5	WM10202-ND	4.30	3.58	2.63	2.22	21020-0207
24	12.5	WM10203-ND	4.35	3.63	2.66	2.25	21020-0251
30	15.5	WM10204-ND	4.41	3.67	2.70	2.28	21020-0317
36	18.5	WM10205-ND	4.45	3.71	2.73	2.30	21020-0383
40	20.5	WM10206-ND	4.50	3.76	2.76	2.33	21020-0427
50	25.5	WM10207-ND	4.65	3.88	2.84	2.42	21020-0543
		3.00" (76mm) — RoHS Compliant					
6	3.5	WM10224-ND	4.66	3.88	2.85	2.42	21020-0055
10	5.5	WM10225-ND	4.66	3.89	2.86	2.42	21020-0099
20	10.5	WM10226-ND	4.66	3.89	2.85	2.41	21020-0209
24	12.5	WM10227-ND	4.66	3.88	2.85	2.42	21020-0253
30	15.5	WM10228-ND	4.66	3.88	2.85	2.42	21020-0319
36	18.5	WM10229-ND	4.66	3.89	2.85	2.42	21020-0385
40	20.5	WM10230-ND	4.66	3.88	2.85	2.42	21020-0429
50	25.5	WM10231-ND	4.66	3.88	2.85	2.42	21020-7650
		4.00" (102mm)					
6	3.5	WM10208-ND	4.66	3.89	2.85	2.42	21020-0057
10	5.5	WM10209-ND	4.65	3.89	2.86	2.42	21020-0101
20	10.5	WM10210-ND	4.92	4.10	3.01	2.55	21020-0211
24	12.5	WM10211-ND	5.02	4.19	3.07	2.61	21020-0255
30	15.5	WM10212-ND	5.17	4.31	3.17	2.69	21020-0321
36	18.8	WM10213-ND	5.34	4.45	3.27	2.76	21020-0387
40	20.5	WM10214-ND	5.43	4.53	3.33	2.82	21020-0431
50	25.5	WM10215-ND	5.69	4.74	3.48	2.95	21020-0547
		5.00" (127mm) — RoHS Compliant					
6	3.5	WM10232-ND	5.69	4.75	3.48	2.95	21020-0059
10	5.5	WM10233-ND	5.69	4.75	3.48	2.95	21020-0103
20	10.5	WM10234-ND	5.69	4.75	3.48	2.95	21020-0213
24	12.5	WM10235-ND	5.69	4.75	3.48	2.95	21020-0257
30	15.5	WM10236-ND	5.69	4.75	3.48	2.96	21020-0323
36	18.8	WM10237-ND	5.69	4.75	3.48	2.95	21020-0389
40	20.5	WM10238-ND	5.69	4.74	3.47	2.94	21020-0433
50	25.5	WM10239-ND	5.70	4.76	3.47	2.96	21020-2750
		6.00" (152mm)					
6	3.5	WM10216-ND	5.70	4.75	3.48	2.95	21020-0061
10	5.5	WM10217-ND	5.69	4.75	3.49	2.95	21020-0105
20	10.5	WM10218-ND	5.69	4.75	3.49	2.95	21020-0215
24	12.5	WM10219-ND	5.96	4.97	3.65	3.08	21020-0259
30	15.5	WM10220-ND	6.21	5.18	3.80	3.21	21020-0325
36	18.5	WM10221-ND	6.37	5.30	3.90	3.31	21020-0391
40	20.5	WM10222-ND	6.46	5.40	3.96	3.36	21020-0435
50	25.5	WM10223-ND	6.72	5.61	4.10	3.49	21020-0548
		8.00" (203mm) — RoHS Compliant					
6	3.5	WM10240-ND	5.69	4.75	3.49	2.96	21020-0065
10	5.5	WM10241-ND	5.69	4.75	3.48	2.96	21020-0109
20	10.5	WM10242-ND	5.69	4.74	3.48	2.95	21020-0219
24	12.5	WM10243-ND	5.94	4.97	3.64	3.08	21020-0263
30	15.5	WM10244-ND	6.22	5.18	3.81	3.22	21020-0329
36	18.5	WM10245-ND	6.36	5.30	3.90	3.30	21020-0395
40	20.5	WM10246-ND	6.46	5.39	3.95	3.36	21020-0439
50	25.5	WM10247-ND	6.72	5.60	4.11	3.50	21020-0574

0.5mm FFC/FPC Connector

SPECIFICATIONS: Electrical: • Voltage: 50V • Current: 0.5A • Contact Resistance: 20mΩ maximum • Dielectric Withstanding Voltage: 250V AC/1 minute • Insulation Resistance: 50MΩ minute **Physical:** • Housing: 4/6 nylon, UL 94V-0 • Actuator: PPS, UL 94V-0 • Contact: Phosphor Bronze • Plating: Tin • Solder Tabs: Phosphor Bronze, Tin Plating • Operating Temperature: -20°C ~ 85°C



No. of Pos.	Dim. A (mm)	Dim. B (mm)	Dim. C (mm)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Size	Pricing*	Molex Part No.
				Bottom Contact Style						
6	9.10	5.9	4.3	WM7700CT-ND	1.54	1.33	1.03	1,000	600.83	52746-0670
10	11.10	5.9	4.3	WM7701CT-ND	2.17	1.86	1.45	1,000	843.66	52746-1070
20	16.10	5.9	4.3	WM7702CT-ND	3.36	2.88	2.24	1,000	1305.19	52746-2070
20	16.10	5.9	4.3	WM5680CT-ND	3.20	2.74	2.14	1,000	1242.66	52746-2090
24	18.60	6.1	4.5	WM7703CT-ND	4.01	3.44	2.68	1,000	1559.32	52437-2472
30	21.60	6.1	4.5	WM7704CT-ND	4.36	3.74	2.91	1,000	1695.84	52437-3072
36	23.50	6.55	5.0	WM7705CT-ND	3.22	2.76	2.15	1,500	1251.00/M	54132-3697
40	25.50	6.55	5.0	WM5684CT-ND	5.65	4.84	3.77	1,500	2198.00/M	54132-4092
40	25.50	6.55	5.0	WM7706CT-ND	4.04	3.46	2.70	1,500	1572.00/M	54132-4097
50	30.50	6.55	5.0	WM7707CT-ND	4.81	4.12	3.21	1,500	1870.00/M	54132-5097

* For Tape and Reel Part Number, change CT-ND to TR-ND.

No. of Pos.	Dim. A (mm)	Dim. B (mm)	Dim. C (mm)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Size	Pricing*	Molex Part No.
				Top Contact Style						
6	9.10	5.7	4.3	WM7708CT-ND	.98	.84	.66	1,000	381.01	52745-0696
10	11.10	5.7	4.3	WM7709CT-ND	1.51	1.30	1.01	1,000	588.23	52745-1096
20	16.10	5.7	4.3	WM7710CT-ND	2.08	1.79	1.39	1,000	810.64	52745-2096
24	18.60	5.9	4.5	WM7711CT-ND	3.03	2.60	2.03	1,000	1179.05	52435-2472
30	21.60	5.9	4.5	WM7712CT-ND	3.36	2.88	2.24	1,000	1304.80	52435-3072
40	25.50	6.55	5.0	WM7713CT-ND	3.94	3.38	2.63	1,500	1534.00/M	54104-4096
50	30.50	6.55	5.0	WM7714CT-ND	4.30	3.69	2.87	1,500	1674.00/M	54104-5096
				Vertical Contact Style						
6	8.70	—	—	WM7715CT-ND	1.58	1.36	1.06	1,000	614.74	52559-0672
10	10.70	—	—	WM7716CT-ND	2.32	1.99	1.55	1,000	903.95	52559-1072
20	15.70	—	—	WM7717CT-ND	3.82	3.27	2.55	1,000	1484.93	52559-2072
24	17.70	—	—	WM7718CT-ND	4.43	3.80	2.96	1,000	1723.10	52559-2472
30	20.70	—	—	WM7719CT-ND	4.46	3.82	2.98	1,000	1732.94	52559-3072
36	23.70	—	—	WM7720CT-ND	5.22	4.47	3.49	1,000	2031.23	52559-3672
40	25.70	—	—	WM7721CT-ND	5.08	4.35	3.39	1,000	1977.24	52559-4072

* For Tape and Reel Part Number, change CT-ND to TR-ND.

1mm FFC/FPC Connectors

FEATURES: Right Angle: For 0.30mm thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails. **Material:** 4/6 nylon, UL 94V-0 **Actuator:** PPS, UL 94V-0 **Contact:** Phosphor Bronze **Plating:** Tin Solder **Tabs:** Phosphor Bronze, Tin Plating **Temperature:** -20°C ~ 85°C **Electrical: Voltage:** 125V **Current:** 1.0A **Contact Resistance:** 20MΩ maximum **Dielectric Withstanding Voltage:** 500V AC/1 minute
Vertical: For use with 0.30mm thick FFC/FPC. Tuning fork contacts assure stable, low contact resistance. Optional cable retention barbs provide cable strain relief and assure full retention of cable. Optional polarizing peg assures proper orientation to PCB and kinked outer solder tails offer PCB retention. SMT compatible. **Material:** Housing 4/6 nylon, UL 94V-0 **Actuator:** LCP, UL 94V-0 **Contact:** Phosphor Bronze Alloy **Plating:** Tin/Lead, 90/10 **Temperature:** -20°C ~ 80°C **Electrical: Voltage:** 125V **Current:** 1.0A **Contact Resistance:** 20mΩ maximum **Dielectric Withstanding Voltage:** 500V AC/1 minute **Insulation Resistance:** 100MΩ minimum

Fig. 1

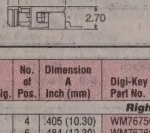


Fig. 2

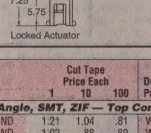


Fig. 3

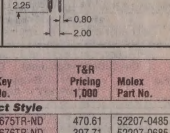


Fig.	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T&R Pricing 1,000	Molex Part No.
				Right Angle, SMT, ZIF — Top Contact Style					
1	4	.405 (10.30)	WM7675CT-ND	1.21	1.04	.81	WM7675TR-ND	470.61	52207-0485
	6	.484 (12.30)	WM7676CT-ND	1.02	.88	.69	WM7676TR-ND	397.71	52207-0685
	8	.562 (14.30)	WM7677CT-ND	1.34	1.15	.90	WM7677TR-ND	520.33	52207-0885
	10	.641 (16.30)	WM7678CT-ND*	1.81	1.55	1.21	WM7678TR-ND*	702.00	52207-1085
	12	.720 (18.30)	WM7679CT-ND*	1.92	1.65	1.29	WM7679TR-ND*	747.76	52207-1285
	14	.799 (20.30)	WM7680CT-ND*	2.19	1.87	1.46	WM7680TR-ND*	849.78	52207-1485
	16	.877 (22.30)	WM7681CT-ND*	2.53	2.17	1.69	WM7681TR-ND*	984.00	52207-1685
	18	.956 (24.30)	WM7682CT-ND	2.66	2.28	1.78	WM7682TR-ND	1035.28	52207-1885
	20	1.035 (26.30)	WM7683CT-ND	2.88	2.47	1.92	WM7683TR-ND	1118.93	52207-2085
	22	1.114 (28.30)	WM7684CT-ND	3.08	2.64	2.06	WM7684TR-ND	1197.40	52207-2285
	24	1.192 (30.30)	WM7685CT-ND	3.25	2.79	2.17	WM7685TR-ND	1265.46	55207-2485
	26	1.271 (32.30)	WM7686CT-ND	3.42	2.93	2.29	WM7686TR-ND	1330.96	52207-2685
	28	1.271 (32.30)	WM5711CT-ND	3.26	2.79	2.18	—	—	52207-2690
	28	1.350 (34.30)	WM7687CT-ND*	3.96	3.39	2.64	WM7687TR-ND*	1540.00	52207-2885
	30	1.430 (36.30)	WM7688CT-ND	3.77	3.23	2.52	WM7688TR-ND	1466.75	52207-3085
				Vertical, SMT, ZIF — RoHS Compliant					
2	6	.496 (12.60)	WM7633CT-ND*	2.04	1.75	1.37	WM7633TR-ND*	795.00	52610-0671
	8	.575 (14.60)	WM7634CT-ND*	2.44	2.10	1.63	WM7634TR-ND*	950.00	52610-0871
	10	.654 (16.60)	WM7635CT-ND*	2.81	2.41	1.88	WM7635TR-ND*	1094.00	52610-1071
	12	.732 (18.60)	WM7636CT-ND*	3.22	2.76	2.15	WM7636TR-ND*	1252.00	52610-1271
	14	.811 (20.60)	WM7637CT-ND*	3.58	3.07	2.39	WM7637TR-ND*	1392.00	52610-1471
	16	.890 (22.60)	WM7638CT-ND*	3.89	3.33	2.60	WM7638TR-ND*	1511.00	52610-1671
	18	.969 (24.60)	WM7639CT-ND*	4.15	3.56	2.77	WM7639TR-ND*	1615.00	52610-1871
	20	1.047 (26.60)	WM7640CT-ND*	4.39	3.76	2.93	WM7640TR-ND*	1706.00	52610-2071
	22	1.126 (28.60)	WM7641CT-ND*	4.72	4.04	3.15	WM7641TR-ND*	1835.00	52610-2271
	24	1.205 (30.60)	WM7642CT-ND*	5.03	4.31	3.36	WM7642TR-ND*	1956.00	52610-2471
	26	1.283 (32.60)	WM7643CT-ND*	3.85	3.30	2.57	WM7643TR-ND*	1499.00	52610-2671
	28	1.362 (34.60)	WM7644CT-ND*	5.48	4.70	3.66	WM7644TR-ND*	2132.00	52610-2871
	30	1.441 (36.60)	WM7645CT-ND*	5.61	4.80	3.74	WM7645TR-ND*	2181.00	52610-3071
				Vertical, ZIF — No Pegs					
3	4	.366 (9.30)	WM5300-ND	1.16	.95	.73	—	—	71226-0425
	6	.445 (11.30)	WM5301-ND	1.38	1.13	.87	—	—	71226-0625
	8	.524 (13.30)	WM5302-ND	1.61	1.31	1.01	—	—	71226-0825
	10	.602 (15.30)	WM5303-ND	1.84	1.50	1.16	—	—	71226-1025
	12	.681 (17.30)	WM5304-ND	2.08	1.70	1.31	—	—	71226-1225
	14	.760 (19.30)	WM5305-ND	2.31	1.88	1.45	—	—	71226-1425
	16	.839 (21.30)	WM5306-ND	2.53	2.06	1.59	—	—	71226-1625
	18	.917 (23.30)	WM5307-ND	2.77	2.25	1.73	—	—	71226-1825
	20	.996 (25.30)	WM5308-ND	3.15	2.56	1.97	—	—	71226-2025
	22	1.075 (27.30)	WM5309-ND	3.22	2.62	2.02	—	—	71226-2225
	24	1.154 (29.30)	WM5310-ND	3.45	2.81	2.16	—	—	71226-2425
	26	1.232 (31.30)	WM5311-ND	3.68	3.00	2.31	—	—	71226-2625
	28	1.311 (33.30)	WM5312-ND	3.92	3.19	2.45	—	—	71226-2825
	30	1.390 (35.30)	WM5313-ND	4.15	3.38	2.60	—	—	71226-3025

* *RoHS Compliant*

Micro-Miniature 1.25mm Connectors

1.25mm CONNECTORS: Physical Specifications: • Housing: PBTP, UL 94V-0 • Temperature: -40°C ~ 85°C • UL File No.: E29179 CSA File-No.: LR19980 **1.25mm CRIMP TERMINAL: Electrical Specifications:** • Voltage: 125V • Current: 1.0A (0.8A for 32AWG) • Contact Resistance: 20mΩ maximum • Dielectric Withstanding Voltage: 250VAC/1 minute • Insulation Resistance: 100MΩ minimum **Physical Specifications:** • Contact: Phosphor Bronze • Plating: Tin • Wire Range: 26 ~ 32 AWG • Insulation Range: 1.00mm diameter maximum • Strip Length: 1.40 ~ 1.90mm

Fig. 1 – 1.25mm Receptacle Housing

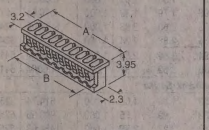


Fig. 2 – 1.25mm Straight Header

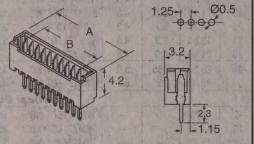


Fig. 3 – 1.25mm Right Angle Header

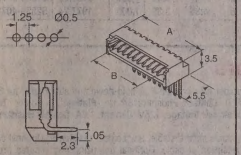


Fig. 4 – 1.25mm SMT Straight Header

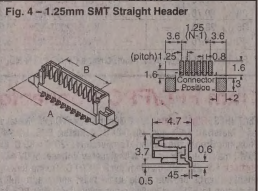


Fig. 5 – 1.25mm SMT Right Angle Header

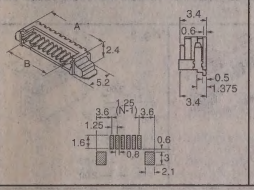


Fig. 6 – Crimp Terminal (Female)

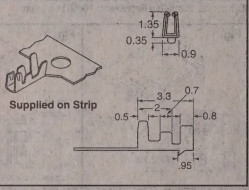


Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Price Each 1	10	100	500	Molex Part No.
				Receptacle Housing					
1	2	4.25	1.25	WM1720-ND	.39	.33	.24	.19	51021-0200
	3	5.50	2.50	WM1721-ND	.44	.37	.27	.21	51021-0300
	4	6.75	3.75	WM1722-ND	.49	.44	.30	.24	51021-0400
	5	8.00	5.00	WM1723-ND	.55	.49	.33	.26	51021-0500
	6	9.25	6.25	WM1724-ND	.60	.50	.36	.29	51021-0600
	7	10.50	7.50	WM1725-ND	.65	.54	.39	.31	51021-0700
	8	11.75	8.75	WM1726-ND	.70	.62	.42	.33	51021-0800
	9	13.00	10.00	WM1727-ND	.75	.67	.45	.36	51021-0900
	10	14.25	11.25	WM1728-ND	.80	.66	.48	.38	51021-1000
	11	15.50	12.50	WM1729-ND	.85	.70	.50	.40	51021-1100
	12	16.75	13.75	WM1730-ND	.90	.74	.53	.43	51021-1200
	13	18.00	15.00	WM17000-ND	.95	.84	.56	.45	51021-1300
	14	19.25	16.25	WM17001-ND	1.00	.88	.59	.47	51021-1400
	15	20.50	17.50	WM17002-ND	1.04	.92	.62	.49	51021-1500
				Straight Headers					
2	2	4.25	1.25	WM1731-ND	.49	.41	.29	.23	53047-0210
	3	5.50	2.50	WM1732-ND	.59	.53	.35	.28	53047-0310
	4	6.75	3.75	WM1733-ND	.70	.62	.42	.34	53047-0410
	5	8.00	5.00	WM1734-ND	.80	.67	.48	.38	53047-0510
	6	9.25	6.25	WM1735-ND	.92	.76	.55	.44	53047-0610
	7	10.50	7.50	WM1736-ND	1.12	.93	.66	.53	53047-0710
	8	11.75	8.75	WM1737-ND	1.15	.95	.68	.55	53047-0810
	9	13.00	10.00	WM1738-ND	1.26	1.11	.74	.60	53047-0910
	10	14.25	11.25	WM1739-ND	1.46	1.29	.86	.69	53047-1010
	11	15.50	12.50	WM1740-ND	1.41	1.25	.84	.67	53047-1110
	12	16.75	13.75	WM1741-ND	1.60	1.42	.95	.76	53047-1210
	13	18.00	15.00	WM17003-ND	1.71	1.51	1.01	.81	53047-1310
	14	19.25	16.25	WM17004-ND	1.83	1.62	1.08	.87	53047-1410
	15	20.50	17.50	WM17005-ND	1.94	1.71	1.15	.92	53047-1510
				Right Angle Headers					
3	2	4.25	1.25	WM1742-ND	.56	.50	.33	.27	53048-0210
	3	5.50	2.50	WM1743-ND	.67	.60	.40	.32	53048-0310
	4	6.75	3.75	WM1744-ND	.78	.70	.47	.37	53048-0410
	5	8.00	5.00	WM1745-ND	.98	.81	.58	.46	53048-0510
	6	9.25	6.25	WM1746-ND	1.02	.90	.60	.48	53048-0610
	7	10.50	7.50	WM1747-ND	1.13	1.00	.67	.54	53048-0710
	8	11.75	8.75	WM1748-ND	1.24	1.10	.73	.59	53048-0810
	9	13.00	10.00	WM1749-ND	1.36	1.20	.80	.64	53048-0910
	10	14.25	11.25	WM1750-ND	1.47	1.30	.87	.70	53048-1010
	11	15.50	12.50	WM1751-ND	1.60	1.41	.94	.76	53048-1110
	12	16.75	13.75	WM1752-ND	1.79	1.58	1.06	.85	53048-1210
	13	18.00	15.00	WM17006-ND	1.71	1.51	1.01	.81	53048-1310
	14	19.25	16.25	WM17007-ND	2.02	1.79	1.19	.96	53048-1410
	15	20.50	17.50	WM17008-ND	1.95	1.72	1.15	.92	53048-1510
				SMT Straight Headers — RoHS Compliant					
4	2	7.65	1.25	WM7606CT-ND WM7606TR-ND	1.37	1.21 534.00/1,000	.81	.65	53398-0271
	3	8.90	2.50	WM7607CT-ND WM7607TR-ND	1.63	1.45 638.00/1,000	.97	.77	53398-0371
	4	10.15	3.75	WM7608CT-ND WM7608TR-ND	1.72	1.53 673.00/1,000	1.02	.82	53398-0471
	5	11.40	5.00	WM7609CT-ND WM7609TR-ND	1.91	1.69 747.00/1,000	1.13	.91	53398-0571
	6	12.65	6.25	WM7610CT-ND WM7610TR-ND	2.06	1.82 805.00/1,000	1.22	.98	53398-0671
	7	13.90	7.50	WM7611CT-ND WM7611TR-ND	2.23	1.97 871.00/1,000	1.32	1.05	53398-0771
	8	15.15	8.75	WM7612CT-ND WM7612TR-ND	2.37	2.09 924.00/1,000	1.40	1.12	53398-0871
	9	16.40	10.00	WM7613CT-ND WM7613TR-ND	2.56	2.26 1001.00/1,000	1.51	1.21	53398-0971
	10	17.65	11.25	WM7614CT-ND WM7614TR-ND	2.72	2.40 1061.00/1,000	1.60	1.28	53398-1071
	11	18.90	12.50	WM7615CT-ND WM7615TR-ND	2.89	2.55 1127.00/1,000	1.70	1.36	53398-1171
	12	20.15	13.75	WM7616CT-ND WM7616TR-ND	3.05	2.70 1193.00/1,000	1.80	1.44	53398-1271
	13	21.40	15.00	WM7617CT-ND WM7617TR-ND	3.27	2.89 1277.00/1,000	1.93	1.54	53398-1371
	14	22.65	16.25	WM7618CT-ND WM7618TR-ND	3.40	3.00 1328.00/1,000	2.00	1.60	53398-1471
	15	23.90	17.50	WM7619CT-ND WM7619TR-ND	3.48	3.08 1359.00/1,000	2.05	1.64	53398-1571
				SMT Right Angle Headers — RoHS Compliant					
5	2	7.65	1.25	WM7620CT-ND WM7620TR-ND	1.43	1.27 560.00/1,000	.85	.68	53261-0271
	3	8.90	2.50	WM7621CT-ND WM7621TR-ND	1.64	1.45 642.00/1,000	.97	.78	53261-0371
	4	10.15	3.75	WM7622CT-ND WM7622TR-ND	1.80	1.59 702.00/1,000	1.06	.85	53261-0471
	5	11.40	5.00	WM7623CT-ND WM7623TR-ND	1.98	1.75 774.00/1,000	1.17	.94	53261-0571
	6	12.65	6.25	WM7624CT-ND WM7624TR-ND	2.13	1.88 832.00/1,000	1.26	1.01	53261-0671
	7	13.90	7.50	WM7625CT-ND WM7625TR-ND	2.29	2.03 895.00/1,000	1.35	1.08	53261-0771
	8	15.15	8.75	WM7626CT-ND WM7626TR-ND	2.43	2.15 950.00/1,000	1.44	1.15	53261-0871
	9	16.40	10.00	WM7627CT-ND WM7627TR-ND	2.63	2.32 1027.00/1,000	1.55	1.24	53261-0971
	10	17.65	11.25	WM7628CT-ND WM7628TR-ND	2.78	2.46 1087.00/1,000	1.64	1.32	53261-1071
	11	18.90	12.50	WM7629CT-ND WM7629TR-ND	2.95	2.61 1154.00/1,000	1.74	1.39	53261-1171
	12	20.15	13.75	WM7630CT-ND WM7630TR-ND	3.12	2.76 1219.00/1,000	1.84	1.47	53261-1271
	14	22.65	16.25	WM7631CT-ND WM7631TR-ND	3.47	3.06 1354.00/1,000	2.04	1.64	53261-1471
	15	23.90	17.50	WM7632CT-ND WM7632TR-ND	3.62	3.19 1412.00/1,000	2.13	1.71	53261-1571
6	Crimp Term., 28-32 AWG			WM1775-ND WM1775TR-ND	—	.07 575.00/25,000	.06	.05	50058-8000
	Crimp Term., 26-28 AWG			WM1142CT-ND WM1142TR-ND	—	.07 600.00/25,000	.05	.04	50079-8000
				Tools (Molex)					
	28-32AWG Prototype Crimp			WM9931-ND		214.65/1			63811-0200
	26-28AWG Prototype Crimp			WM9978-ND		214.65/1			63811-0300
	Production Crimp			WM9932-ND		528.37/1			63811-0000
	Contact Extraction			WM9933-ND		140.15/1			57072-6000
	Housing Extraction			WM9934-ND		283.62/1			11-03-0045

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Material and Finish: • Pin Header Insulator: Polyimide resin, beige, UL94V-0. • Pin Header Contact: Brass, tin plating and gold plating. • Pin Header Hardware: Brass, tin plating and gold plating. • Crimp Socket Insulator: Polyimide resin, beige, UL94V-0. • Crimp Socket Contact: Phosphor bronze, tin plating and gold plating.

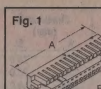


Fig. 1

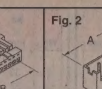


Fig. 2

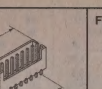


Fig. 3

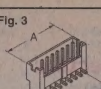


Fig. 4 — SMT

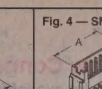


Fig. 5 — SMT

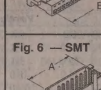


Fig. 6 — SMT

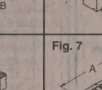
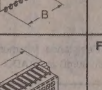


Fig. 7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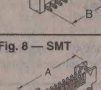
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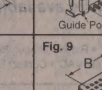


Fig. 10

No. of Pins	Dim. (mm) A	B	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
Fig. 1 — Single Row Crimp Socket							
2	4.15	1.25	H2179-ND	.28	2.88	7.13	DF13-2S-1.25C
3	5.40	2.50	H2180-ND	.23	2.44	6.88	DF13-3S-1.25C
4	6.65	3.75	H2181-ND	.34	3.71	10.45	DF13-4S-1.25C
5	7.90	5.00	H2182-ND	.28	3.35	10.00	DF13-5S-1.25C
6	9.15	6.25	H2183-ND	.29	3.52	10.50	DF13-6S-1.25C
7	10.40	7.50	H2184-ND	.30	3.60	10.75	DF13-7S-1.25C
8	11.65	8.75	H2185-ND	.47	5.61	16.75	DF13-8S-1.25C
9	12.90	10.00	H3300-ND	.55	6.53	19.50	DF13-9S-1.25C
10	14.15	11.25	H2186-ND	.50	5.95	17.75	DF13-10S-1.25C
11	15.40	12.50	H2187-ND	.53	6.37	19.00	DF13-11S-1.25C
12	16.65	13.75	H2188-ND	.55	6.53	19.50	DF13-12S-1.25C
13	17.90	15.00	H3301-ND	.53	6.37	19.00	DF13-13S-1.25C
14	19.15	16.25	H2189-ND	.47	7.05	22.09	DF13-14S-1.25C
15	20.40	17.50	H2259-ND	.51	6.11	18.25	DF13-15S-1.25C
Fig. 2 — Single Row, Vertical Pin Header — Tin Plating							
2	4.15	1.25	H2191-ND	.48	5.70	17.00	DF13-2P-1.25DSA
3	5.40	2.50	H2192-ND	.41	6.15	19.27	DF13-3P-1.25DSA
4	6.65	3.75	H2193-ND	.54	9.03	27.15	DF13-4P-1.25DSA
5	7.90	5.00	H2194-ND	.61	9.08	28.44	DF13-5P-1.25DSA
6	9.15	6.25	H2195-ND	.68	10.20	31.96	DF13-6P-1.25DSA
7	10.40	7.50	H2196-ND	.57	10.31	33.75	DF13-7P-1.25DSA
8	11.65	8.75	H2197-ND	.71	12.86	42.08	DF13-8P-1.25DSA
9	12.90	10.00	H3302-ND	.99	17.88	58.50	DF13-9P-1.25DSA(20)
10	14.15	11.25	H2198-ND	.82	14.85	48.60	DF13-10P-1.25DSA
11	15.40	12.50	H3303-ND	1.03	18.25	63.00	DF13-11P-1.25DSA(20)
12	16.65	13.75	H2320-ND	.87	15.81	51.75	DF13-12P-1.25DSA
13	17.90	15.00	H3304-ND	1.14	20.63	67.50	DF13-13P-1.25DSA(20)
14	19.15	16.25	H2321-ND	.97	17.53	57.38	DF13-14P-1.25DSA
15	20.40	17.50	H2322-ND	1.02	18.49	60.53	DF13-15P-1.25DSA
Fig. 2 — Single Row, Vertical Pin Header — Gold Plating							
2	4.15	1.25	H3305-ND	.57	10.31	33.75	DF13-2P-1.25DSA(50)
3	5.40	2.50	H3306-ND	.76	13.75	45.00	DF13-3P-1.25DSA(50)
4	6.65	3.75	H3307-ND	.76	13.75	45.00	DF13-4P-1.25DSA(50)
5	7.90	5.00	H3308-ND	.84	15.13	49.50	DF13-5P-1.25DSA(50)
6	9.15	6.25	H3309-ND	1.10	19.94	65.25	DF13-6P-1.25DSA(50)
7	10.40	7.50	H3310-ND	1.06	19.25	63.00	DF13-7P-1.25DSA(50)
8	11.65	8.75	H3311-ND	1.14	20.63	67.50	DF13-8P-1.25DSA(50)
9	12.90	10.00	H3312-ND	1.22	22.00	72.00	DF13-9P-1.25DSA(50)
10	14.15	11.25	H3313-ND	1.33	24.06	78.75	DF13-10P-1.25DSA(50)
11	15.40	12.50	H3314-ND	1.37	24.75	81.00	DF13-11P-1.25DSA(50)
12	16.65	13.75	H3315-ND	1.69	32.50	104.00	DF13-12P-1.25DSA(50)
13	19.15	16.25	H3316-ND	1.60	28.88	94.50	DF13-14P-1.25DSA(50)
15	20.40	17.50	H3317-ND	1.71	30.94	101.25	DF13-15P-1.25DSA(50)
Fig. 3 — Single Row, Right Angle Pin Header — Tin Plating							
2	4.15	1.25	H2259-ND	.45	6.75	21.15	DF13-2P-1.25DS(20)
3	5.40	2.50	H2260-ND	.35	8.05	25.85	DF13-3P-1.25DS(20)
4	6.65	3.75	H2201-ND	.65	9.75	30.55	DF13-4P-1.25DS(20)
5	7.90	5.00	H2202-ND	.61	11.00	36.00	DF13-5P-1.25DS(20)
6	9.15	6.25	H2203-ND	.68	12.38	40.50	DF13-6P-1.25DS(20)
7	10.40	7.50	H2204-ND	.76	13.75	45.00	DF13-7P-1.25DS(20)
8	11.65	8.75	H2205-ND	.95	17.19	56.25	DF13-8P-1.25DS(20)
9	12.90	10.00	H3318-ND	1.03	18.25	67.50	DF13-9P-1.25DS(20)
10	14.15	11.25	H2206-ND	1.06	19.25	63.00	DF13-10P-1.25DS(20)
11	15.40	12.50	H3319-ND	1.37	24.75	81.00	DF13-11P-1.25DS(20)
12	16.65	13.75	H2323-ND	1.48	26.81	87.75	DF13-12P-1.25DS(20)
14	19.15	16.25	H2324-ND	1.22	22.00	72.00	DF13-14P-1.25DS(20)
15	20.40	17.50	H2325-ND	1.79	32.31	105.75	DF13-15P-1.25DS(20)
Fig. 3 — Single Row, Right Angle Pin Header — Gold Plating							
2	4.15	1.25	H3320-ND	.39	9.08	28.70	DF13-2P-1.25DS(50)
3	5.40	2.50	H3321-ND	.57	10.31	33.75	DF13-3P-1.25DS(50)
4	6.65	3.75	H3322-ND	.72	13.06	42.75	DF13-4P-1.25DS(50)
5	7.90	5.00	H3323-ND	.84	15.13	49.50	DF13-5P-1.25DS(50)
6	9.15	6.25	H3324-ND	.95	17.19	56.25	DF13-6P-1.25DS(50)
7	10.40	7.50	H3325-ND	1.06	19.25	63.00	DF13-7P-1.25DS(50)
8	11.65	8.75	H3326-ND	1.22	22.00	72.00	DF13-8P-1.25DS(50)
9	12.90	10.00	H3327-ND	1.33	24.06	78.75	DF13-9P-1.25DS(50)
10	14.15	11.25	H3328-ND	1.37	24.75	81.00	DF13-10P-1.25DS(50)
11	15.40	12.50	H3329-ND	1.48	26.81	87.75	DF13-11P-1.25DS(50)
12	16.65	13.75	H3330-ND	1.60	28.88	94.50	DF13-12P-1.25DS(50)
14	19.15	16.25	H3331-ND	1.82	33.00	108.00	DF13-14P-1.25DS(50)
15	20.40	17.50	H3332-ND	1.63	29.56	96.75	DF13-15P-1.25DS(50)
Fig. 4 — Single Row, SMT Vertical Pin Header with Guide Posts — Tin Plating							
2	4.15	1.25	H2207-ND	.50	7.50	23.50	DF13-2P-1.25V(20)
3	5.40	2.50	H2208-ND	.60	9.00	28.20	DF13-3P-1.25V(20)
4	6.65	3.75	H2209-ND	.57	10.31	33.75	DF13-4P-1.25V(20)
5	7.90	5.00	H2210-ND	.61	11.00	36.00	DF13-5P-1.25V(20)
6	9.15	6.25	H2211-ND	.68	11.69	38.25	DF13-6P-1.25V(20)
7	10.40	7.50	H2212-ND	.76	13.06	42.75	DF13-7P-1.25V(20)
8	11.65	8.75	H2213-ND	.87	15.81	51.75	DF13-8P-1.25V(20)
9	12.90	10.00	H3335-ND	.95	17.19	56.25	DF13-9P-1.25V(20)
10	14.15	11.25	H2214-ND	.99	17.88	58.50	DF13-10P-1.25V(20)
11	15.40	12.50	H2215-ND	1.06	19.25	63.00	DF13-11P-1.25V(20)
12	16.65	13.75	H2216-ND	1.06	19.25	63.00	DF13-12P-1.25V(20)
14	19.15	16.25	H2217-ND	1.14	20.63	67.50	DF13-14P-1.25V(20)
15	20.40	17.50	H2218-ND	1.22	22.00	74.25	DF13-15P-1.25V(20)
Fig. 4 — Single Row, SMT with Guide Posts Vertical Pin Header — Gold Plating							
2	4.15	1.25	H3336-ND	.72	13.06	42.75	DF13-2P-1.25V(50)
3	5.40	2.50	H3337-ND	.87	15.81	51.75	DF13-3P-1.25V(50)
4	6.65	3.75	H3338-ND	1.06	19.25	63.00	DF13-4P-1.25V(50)
5	7.90	5.00	H3339-ND	1.14	20.63	67.50	DF13-5P-1.25V(50)
6	9.15	6.25	H3340-ND	1.25	22.69	74.25	DF13-6P-1.25V(50)
7	10.40	7.50	H3341-ND	1.33	24.06	78.75	DF13-7P-1.25V(50)
8	11.65	8.75	H3342-ND	1.56	28.19	92.25	DF13-8P-1.25V(50)
9	12.90	10.00	H3343-ND	1.71	30.94	101.25	DF13-9P-1.25V(50)
10	14.15	11.25	H3344-ND	1.82	33.00	108.00	DF13-10P-1.25V(50)
11	15.40	12.50	H3345-ND	1.86	33.69	110.25	DF13-11P-1.25V(50)
12	16.65	13.75	H3346-ND	1.86	33.69	110.25	DF13-12P-1.25V(50)
14	19.15	16.25	H3347-ND	1.89	36.25	116.00	DF13-14P-1.25V(50)
15	20.40	17.50	H3348-ND	1.98	38.13	122.00	DF13-15P-1.25V(50)
Fig. 5 — Single Row, SMT Vertical Pin Header without Boss — Tin Plating							
2	4.15	1.25	H3419-ND	.50	7.50	23.50	DF13C-2P-1.25V(20)
3	5.40	2.50	H3420-ND	.60	9.00	28.20	DF13C-3P-1.25V(20)
4	6.65	3.75	H3421-ND	.57	10.31	33.75	DF13C-4P-1.25V(20)
5	7.90	5.00	H3422-ND	.61	11.00	36.00	DF13C-5P-1.25V(20)
6	9.15	6.25	H3423-ND	.65	11.69	38.25	DF13C-6P-1.25V(20)
7	10.40	7.50	H3424-ND	.72	13.06	42.75	DF13C-7P-1.25V(20)
8	11.65	8.75	H3425-ND	.87	15.81	51.75	DF13C-8P-1.25V(20)
9	12.90	10.00	H3426-ND	.95	17.19	56.25	DF13C-9P-1.25V(20)
10	14.15	11.25	H3427-ND	.99	17.88	58.50	DF13C-10P-1.25V(20)
11	15.40	12.50	H3428-ND	1.06	19.25	63.00	DF13C-11P-1.25V(20)
12	16.65	13.75	H3429-ND	1.06	19.25	63.00	DF13C-12P-1.25V(20)
14	19.15	16.25	H3430-ND	1.14	20.63	67.50	DF13C-14P-1.25V(20)
15	20.40	17.50	H3431-ND	1.25	22.69	74.25	DF13C-15P-1.25V(20)
Fig. 5 — Single Row, SMT Vertical Pin Header without Boss — Gold Plating							
2	4.15	1.25	H3432-ND	.72	13.06	42.75	DF13C-2P-1.25V(50)
3	5.40	2.50	H3433-ND	.87	15.81	51.75	DF13C-3P-1.25V(50)
4	6.65	3.75	H3434-ND	1.06	19.25	63.00	DF13C-4P-1.25V(50)
5	7.90	5.00	H3435-ND	1.14	20.63	67.50	DF13C-5P-1.25V(50)
6	9.15	6.25	H3436-ND	1.25	22.69	74.25	DF13C-6P-1.25V(50)
7	10.40	7.50	H3437-ND	1.33	24.06	78.75	DF13C-7P-1.25V(50)
8	11.65	8.75	H3438-ND	1.56	28.19	92.25	DF13C-8P-1.25V(50)
9	12.90	10.00	H3439-ND	1.71	30.94	101.25	DF13C-9P-1.25V(50)
10	14.15	11.25	H3440-ND	1.82	33.00	108.00	DF13C-10P-1.25V(50)
11	15.40	12.50	H3441-ND	1.86	33.69	110.25	DF13C-11P-1.25V(50)
12	16.65	13.75	H3442-ND	1.69	32.50	104.00	DF13C-12P-1.25V(50)
14	19.15	16.25	H3443-ND	1.89	36.25	116.00	DF13C-14P-1.25V(50)
15	20.40	17.50	H3444-ND	1.98	38.13	122.00	DF13C-15P-1.25V(50)
Fig. 6 — Single Row, SMT Right Angle Pin Header with Boss — Tin Plating							
2	4.15	1.25	H2219-ND	.50	7.50	23.50	DF13-2P-1.25H(20)
3	5.40	2.50	H2220-ND	.60	9.00	28.20	DF13-3P-1.25H(20)
4	6.65	3.75	H2221-ND	.57	10.31	33.75	DF13-4P-1.25H(20)
5	7.90	5.00	H2222-ND	.65	11.69	38.25	DF13-5P-1.25H(20)
6	9.15	6.25	H2223-ND	.68	12.38	40.50	DF13-6P-1.25H(20)
7	10.40	7.50	H2224-ND	.76	13.75	45.00	DF13-7P-1.25H(20)
8	11.65	8.75	H2225-ND	.87	15.81	51.75	DF13-8P-1.25H(20)
9	12.90	10.00	H3349-ND	.95	17.19	56.25	DF13-9P-1.25H(20)
10	14.15	11.25	H2226-ND	1.06	19.25	63.00	DF13-10P-1.25H(20)
11	15.40	12.50	H2227-ND	1.06	19.25	63.00	DF13-11P-1.25H(20)
12	16.65	13.75	H2228-ND	1.10	19.94	65.25	DF13-12P-1.25H(20)
14	19.15	16.25	H2229-ND	1.22	22.00	72.00	DF13-14P-1.25H(20)
15	20.40	17.50	H2230-ND	1.25	22.69	74.25	DF13-15P-1.25H(20)
Fig. 6 — Single Row, SMT Right Angle Pin Header with Boss — Gold Plating							
2	4.15	1.25	H3350-ND	.72	13.06	42.75	DF13-2P-1.25H(50)
3	5.40	2.50	H3351-ND	.87	15.81	51.75	DF13-3P-1.25H(50)
4	6.65	3.75	H3352-ND	1.06	19.25	63.00	DF13-4P-1.25H(50)
5	7.90	5.00	H3353-ND	1.14	20.63	67.50	DF13-5P-1.25H(50)
6	9.15	6.25	H3354-ND	1.25	22.69	74.25	DF13-6P-1.25H(50)
7	10.40	7.50	H3355-ND	1.33	24.06	78.75	DF13-7P-1.25H(50)
8	11.65	8.75	H3356-ND	1.56	28.19	92.25	DF13-8P-1.25H(50)
9	12.90	10.00	H3357-ND	1.71	30.94	101.25	DF13-9P-1.25H(50)
10	14.15	11.25	H3358-ND	1.82	33.00	108.00	DF13-10P-1.25H(50)
11	15.40	12.50	H3359-ND	1.86	33.69	110.25	DF13-11P-1.25H(50)
12	16.65	13.75	H3360-ND	1.69	32.50	104.00	DF13-12P-1.25H(50)
14	19.15	16.25	H3361-ND	1.89	36.25	116.00	DF13-14P-1.25H(50)
15	20.40	17.50	H3362-ND	1.98	38.13	122.00	DF13-15P-1.25H(50)
Fig. 6 — Single Row, SMT Right Angle Pin Header without Boss — Tin Plating							
2	4.15	1.25	H3367-ND	.50	7.50	23.50	DF13A-2P-1.25H(20)
3	5.40	2.50	H3368-ND	.60	9.00	28.20	DF13A-3P-1.25H(20)
4	6.65	3.75	H3369-ND	.57	10.31	33.75	DF13A-4P-1.25H(20)
5	7.90	5.00	H3370-ND	.61	11.00	36.00	DF13A-5P-1.25H(20)
6	9.15	6.25	H3371-ND	.65	11.69	38.25	DF13A-6P-1.25H(20)
7	10.40	7.50	H3372-ND	.72	13.06	42.75	DF13A-7P-1.25H(20)
8	11.65	8.75	H3373-ND	.87	15.81	51.75	DF13A-8P-1.25H(20)
9	12.90	10.00	H3374-ND	.95	17.19	56.25	DF13A-9P-1.25H(20)
10	14.15	11.25	H3375-ND	.99	17.88	58.50	DF13A-10P-1.25H(20)
11	15.40	12.50	H3376-ND	1.06	19.25	63.00	DF13A-11P-1.25H(20)
12	16.65	13.75	H3377-ND	1.10	19.94	65.25	DF13A-12P-1.25H(20)
14	19.15	16.25	H3378-ND	1.22	22.00	72.00	DF13A-14P-1.25H(20)
15	20.40	17.50	H3379-ND	1.25	22.69	74.25	DF13A-15P-1.25H(20)
Fig. 6 — Single Row, SMT Right Angle Pin Header without Boss — Gold Plating							
2	4.15	1.25	H3380-ND	.72	13.06	42.75	DF13A-2P-1.25H(50)
3	5.40	2.50	H3381-ND	.87	15.81	51.75	DF13A-3P-1.25H(50)
4	6.65	3.75	H3382-ND	1.06	19.25	63.00	DF13A-4P-1.25H(50)
5	7.90	5.00	H3383-ND	1.14	20.63	67.50	DF13A-5P-1.25H(50)
6	9.15	6.25	H3384-ND	1.25	22.69	74.25	DF13A-6P-1.25H(50)
7	10.40	7.50	H3385-ND	1.33	24.06	78.75	DF13A-7P-1.25H(50)
8	11.65	8.75	H3386-ND	1.56	28.19	92.25	DF13A-8P-1.25H(50)
9	12.90	10.00	H3387-ND	1.71	30.94	101.25	DF13A-9P-1.25H(50)
10	14.15	11.25	H3388-ND	1.82	33.00	108.00	DF13A-10P-1.25H(50)
11	15.40	12.50	H3389-ND	1.86	33.69	110.25	DF13A-11P-1.25H(50)
12	16.65	13.75	H3390-ND	1.69	32.50	104.00	DF13A-12P-1.25H(50)
14	19.15	16.25	H3391-ND	1.89	36.25	116.00	DF13A-14P-1.25H(50)
15	20.40	17.50	H3392-ND	1.98	38.13	122.00	DF13A-15P-1.25H(50)
Fig. 7 — Dual Row Crimp Sockets							
10	10.40	5.00	H2231-ND	.33	3.94	11.75	DF13-10DS-1.25C
20	16.65	11.25	H2232-ND	.40	4.77	14.25	DF13-20DS-1.25C
30	22.90	17.50	H2233-ND	.48	5.70	17.00	DF13-30DS-1.25C
40	29.15	23.75	H2234-ND	.54	6.45	19.25	DF13-40DS-1.25C
Fig. 8 — SMT Straight Pin Headers with Guide Posts — Tin Plating							
10	12.1	5.00	H3365-ND†	.95	17.19	56.25	DF13A-10DP-1.25V(20)
20	18.35	11.25	H3366-ND†	1.25	22.69	74.25	DF13A-20DP-1.25(20)
Fig. 8 — SMT Straight Pin Headers with Guide Posts — Tin Plating — RoHS Compliant							
10	12.1	5.00	H10155-ND*	.95	17.19	56.25	DF13-10DP-1.25V(25)
20	18.35	11.25	H10156-ND*	1.25	24.06	78.75	DF13-20DP-1.25V(25)
10	12.1	5.00	H10157-ND†	.95	17.19	56.25	DF13A-10DP-1.25V(25)
20	18.35	11.25	H10158-ND†	1.33	24.06	78.75	DF13A-20DP-1.25V(25)
Fig. 8 — SMT Straight Pin Headers with Guide Posts — Gold Plating — RoHS Compliant							
10	12.10	5.00	H10159-ND*	.99	17.88	58.50	DF13-10DP-1.25V(55)
20	18.35	11.25	H10160-ND*	1.48	26.81	87.75	DF13-20DP-1.25V(55)
30	24.60	17.50	H10161-ND*	1.69	32.50	104.00	DF13-30DP-1.25V(55)
40	30.85	23.75	H10162-ND*	2.11	40.63	130.00	DF13-40DP-1.25V(55)
Fig. 8 — SMT Straight Pin Headers without Guide Posts — Gold Plating							
10	12.10	5.00	H2239-ND	.99	17.88	58.50	DF13A-10DP-1.25V(50)
30	24.60	17.50	H2241-ND	1.66	31.88	102.00	DF13A-30DP-1.25V(50)
Fig. 8 — SMT Straight Pin Headers without Guide Posts — Gold Plating — RoHS Compliant							
10	12.10	5.00	H10163-ND*	.99	17.88	58.50	DF13A-10DP-1.25V(55)
20	18.35	11.25	H10164-ND	1.48	26.81	87.75	DF13A-20DP-1.25V(55)
30	24.60	17.50	H10165-ND	1.69	32.50	104.00	DF13A-30DP-1.25V(55)
40	30.85	23.75	H10166-ND	2.11	40.63	130.00	DF13A-40DP-1.25V(55)
Fig. 9 — Dual Row Receptacles — Gold Plating							
20	15.40	11.25	H3363-ND	2.63	50.63	162.00	DF13-20DS-1.25DSA(50)
Fig. 9 — Dual Row Receptacles — Gold Plating — RoHS Compliant							
20	15.40	11.25	H10167-ND	2.73	52.50	168.00	DF13-20DS-1.25DSA(55)
40	27.90	23.75	H10168-ND	3.89	75.38	241.20	DF13-40DS-1.25DSA(55)

Fig. 10 — Socket Crimp Contact

Tin Plating AWG 26-30	H9992CT-ND‡	2.79/100 110.00/10,000	DF13-2630SCF
Gold Plating AWG 26-30	H9991CT-ND‡	6.20/100 260.00/10,000	DF13-2630SCFA

Hand Crimp Tools and Die Sets

Tool with Non-Removable Die	H9994-ND	832.00/1	DF13-TB2630HC
Tool with Die Set	H9925-ND	832.00/1	DF13-TB2630HC/US
Tool with Die Set	H10889-ND **NEW!**	832.00/1	DF13-TB2630HC/US1
Tool without Die Set	H9926-ND	332.50/1	HRUS-HT-1
Die Set for H9926-ND	H9929-N D	518.70/1	DF13-TB2630HC/US-DS
Die Set without Tool	H10890-ND **NEW!**	518.70/1	DF13-TB2630HC/US1-DS

Extraction Tool

Crimp Pin and Socket	H9996-ND	3.19/1	DF-C-P0(B)

* With Boss † Without Boss ‡ Cut Tape ◊ Tape & Reel

HIROSE ELECTRIC CO.,LTD.

DF11 Series Dual Row Connectors

2mm Pitch *(Interconnect wire available)*

Specifications:

• Current Capacity: 2A with 24AWG cable • Rated Voltage: 250VAC • Insulation Resistance: Minimum 1000MΩ at 500VDC • Withstand Voltage: 650VAC • Contact Resistance: Maximum 30mΩ at 0.1ADC

Fig. 1

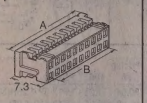


Fig. 2

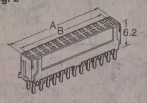


Fig. 3 — Surface Mount

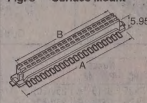


Fig. 4

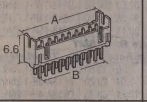


Fig. 5

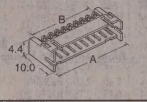


Fig. 6 — Surface Mount

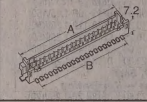


Fig. 7

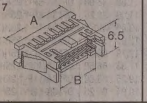


Fig. 8

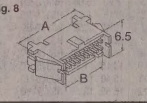


Fig. 9

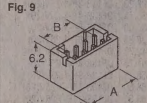


Fig. 10 — Socket

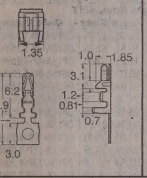
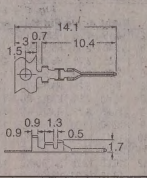
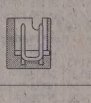


Fig. 11 — Pin



A.



B.

Fig.	No. of Pins	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
				Dual Row Crimp Socket				
	4	6.0	2.0	H2019-ND	.28	3.35	10.00	DF11-4DS-2C
	6	8.0	4.0	H2021-ND	.30	3.60	10.75	DF11-6DS-2C
	8	10.0	6.0	H2022-ND	.36	4.27	12.75	DF11-8DS-2C
	10	12.0	8.0	H2023-ND	.36	4.36	13.00	DF11-10DS-2C
	12	14.0	10.0	H2024-ND	.39	4.69	14.00	DF11-12DS-2C
	14	16.0	12.0	H2140-ND	.41	4.94	14.75	DF11-14DS-2C
	16	18.0	14.0	H2025-ND	.44	5.28	15.75	DF11-16DS-2C
1	18	20.0	16.0	H2026-ND	.46	5.53	16.50	DF11-18DS-2C
	20	22.0	18.0	H2027-ND	.48	5.78	17.25	DF11-20DS-2C
	22	24.0	20.0	H2028-ND	.51	6.11	18.25	DF11-22DS-2C
	24	26.0	22.0	H2029-ND	.54	6.45	19.25	DF11-24DS-2C
	26	28.0	24.0	H2261-ND	.41	6.15	19.27	DF11-26DS-2C
	28	30.0	26.0	H2262-ND	.44	6.53	20.45	DF11-28DS-2C
	30	32.0	28.0	H2263-ND	.47	7.05	22.09	DF11-30DS-2C
	32	34.0	30.0	H2264-ND	.52	7.80	24.44	DF11-32DS-2C
				Vertical PCB Socket, Tin				
	6	8.0	4.0	H2274-ND	1.00	18.01	58.95	DF11-6DS-2DSA
	8	10.0	6.0	H2030-ND	1.07	19.39	63.45	DF11-8DS-2DSA
2	12	14.0	10.0	H2141-ND	1.27	22.89	74.93	DF11-12DS-2DSA
	24	26.0	22.0	H2038-ND	1.65	31.75	101.60	DF11-24DS-2DSA
	30	32.0	28.0	H2267-ND	1.90	36.53	117.20	DF11-30DS-2DSA
				Vertical PCB Socket, Tin — RoHS Compliant				
	6	8.0	4.0	H10169-ND	1.00	18.01	58.95	DF11-6DS-2DSA(05)
	8	10.0	6.0	H10170-ND	1.07	19.39	63.45	DF11-8DS-2DSA(05)
	10	12.0	8.0	H10171-ND	1.17	21.18	69.30	DF11-10DS-2DSA(05)
	12	14.0	10.0	H10172-ND	1.27	22.89	74.93	DF11-12DS-2DSA(05)
	14	16.0	12.0	H10173-ND	1.36	24.68	80.78	DF11-14DS-2DSA(05)
	16	18.0	14.0	H10174-ND	1.50	27.09	88.65	DF11-16DS-2DSA(05)
2	18	20.0	16.0	H10175-ND	1.59	28.81	94.28	DF11-18DS-2DSA(05)
	20	22.0	18.0	H10176-ND	1.74	31.42	102.83	DF11-20DS-2DSA(05)
	22	24.0	20.0	H10177-ND	1.83	33.14	108.45	DF11-22DS-2DSA(05)
	24	26.0	22.0	H10178-ND	1.65	31.75	101.60	DF11-24DS-2DSA(05)
	26	28.0	24.0	H10179-ND	1.74	33.38	106.80	DF11-26DS-2DSA(05)
	28	30.0	26.0	H10180-ND	1.82	35.00	112.00	DF11-28DS-2DSA(05)
	30	32.0	28.0	H10181-ND	1.90	36.63	117.20	DF11-30DS-2DSA(05)
	32	34.0	30.0	H10182-ND	1.99	38.25	122.40	DF11-32DS-2DSA(05)
				Vertical PCB Socket, Gold				
	8	10.0	6.0	H2821-ND	1.86	33.62	110.03	DF11-8DS-2DSA(01)
	12	14.0	10.0	H2823-ND	2.09	40.25	128.80	DF11-12DS-2DSA(01)
	14	16.0	12.0	H2824-ND	2.34	45.06	144.20	DF11-14DS-2DSA(01)
2	16	18.0	14.0	H2825-ND	2.62	50.44	161.40	DF11-16DS-2DSA(01)
	18	20.0	16.0	H2826-ND	2.88	55.31	177.00	DF11-18DS-2DSA(01)
	24	26.0	22.0	H2829-ND	3.28	63.56	203.40	DF11-24DS-2DSA(01)
	26	28.0	24.0	H2830-ND	3.51	68.06	217.80	DF11-26DS-2DSA(01)

Fig.	No. of Pins	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
	28	30.0	26.0	H2831-ND	3.71	72.00	230.40	DF11-28DS-2DSA(01)
2	30	32.0	28.0	H2832-ND	3.94	76.50	244.80	DF11-30DS-2DSA(01)
	32	34.0	30.0	H2833-ND	4.18	81.00	259.20	DF11-32DS-2DSA(01)
				Vertical PCB Socket, Gold — RoHS Compliant				
	6	8.0	4.0	H10183-ND	1.58	28.67	93.83	DF11-6DS-2DSA(06)
	8	10.0	6.0	H10184-ND	1.86	33.62	110.03	DF11-8DS-2DSA(06)
	10	12.0	8.0	H10185-ND	1.84	35.44	113.40	DF11-10DS-2DSA(06)
	12	14.0	10.0	H10186-ND	2.09	40.25	128.80	DF11-12DS-2DSA(06)
	14	16.0	12.0	H10187-ND	2.34	45.06	144.20	DF11-14DS-2DSA(06)
	16	18.0	14.0	H10188-ND	2.62	50.44	161.40	DF11-16DS-2DSA(06)
2	18	20.0	16.0	H10189-ND	2.88	55.31	177.00	DF11-18DS-2DSA(06)
	20	22.0	18.0	H10190-ND	3.17	60.88	194.80	DF11-20DS-2DSA(06)
	22	24.0	20.0	H10191-ND	3.05	59.06	189.00	DF11-22DS-2DSA(06)
	24	26.0	22.0	H10192-ND	3.28	63.56	203.40	DF11-24DS-2DSA(06)
	26	28.0	24.0	H10193-ND	3.51	68.06	217.80	DF11-26DS-2DSA(06)
	28	30.0	26.0	H10194-ND	3.71	72.00	230.40	DF11-28DS-2DSA(06)
	30	32.0	28.0	H10195-ND	3.94	76.50	244.80	DF11-30DS-2DSA(06)
	32	34.0	30.0	H10196-ND	4.18	81.00	259.20	DF11-32DS-2DSA(06)
				Surface Mount Vertical Socket, Tin				
	4	8.5	2.0	H2039-ND	1.10	18.94	65.25	DF11-4DS-2V(20)
	6	12.5	6.0	H2041-ND	1.48	25.81	87.75	DF11-6DS-2V(20)
	14	18.5	12.0	H2142-ND	1.86	33.89	110.25	DF11-14DS-2V(20)
	16	20.5	14.0	H2045-ND	1.76	33.75	108.00	DF11-16DS-2V(20)
	18	22.5	16.0	H2046-ND	1.89	36.25	116.00	DF11-18DS-2V(20)
3	20	24.5	18.0	H2047-ND	1.89	36.25	116.00	DF11-20DS-2V(20)
	22	26.5	20.0	H2048-ND	2.21	42.50	136.00	DF11-22DS-2V(20)
	26	30.5	24.0	H2270-ND	2.54	48.75	156.00	DF11-26DS-2V(20)
	28	32.5	26.0	H2271-ND	2.70	51.88	166.00	DF11-28DS-2V(20)
	30	34.5	28.0	H2272-ND	3.12	60.00	192.00	DF11-30DS-2V(20)
	32	36.5	30.0	H2273-ND	2.96	56.88	182.00	DF11-32DS-2V(20)
				Surface Mount Vertical Socket, Tin — RoHS Compliant				
	4	8.5	2.0	H10197-ND	.87	15.81	51.75	DF11Z-4DS-2V(20)
	6	10.5	4.0	H10198-ND	.99	17.88	58.50	DF11Z-6DS-2V(20)
	8	12.5	6.0	H10199-ND	1.06	19.25	63.00	DF11Z-8DS-2V(20)
	10	14.5	8.0	H10200-ND	1.14	20.63	67.50	DF11Z-10DS-2V(20)
	12	16.5	10.0	H10201-ND	1.33	24.06	78.75	DF11Z-12DS-2V(20)
	14	18.5	12.0	H10202-ND	1.44	26.13	85.50	DF11Z-14DS-2V(20)
	16	20.5	14.0	H10203-ND	1.60	28.88	94.50	DF11Z-16DS-2V(20)
	18	22.5	16.0	H10204-ND	1.71	30.94	101.25	DF11Z-18DS-2V(20)
3	20	24.5	18.0	H10205-ND	1.82	33.00	108.00	DF11Z-20DS-2V(20)
	22	26.5	20.0	H10206-ND	1.76	33.75	108.00	DF11Z-22DS-2V(20)
	24	28.5	22.0	H10207-ND	1.79	34.38	110.00	DF11Z-24DS-2V(20)
	26	30.5	24.0	H10208-ND	1.98	38.13	122.00	DF11Z-26DS-2V(20)
	28	32.5	26.0	H10209-ND	2.08	40.00	128.00	DF11Z-28DS-2V(20)
	30	34.5	28.0	H10210-ND	2.21	42.50	136.00	DF11Z-30DS-2V(20)
	32	36.5	30.0	H10211-ND	2.37	45.63	146.00	DF11Z-32DS-2V(20)
	40	44.5	38.0	H10212-ND	2.83	54.38	174.00	DF11Z-40DS-2V(20)
				Surface Mount Vertical Socket, Gold				
	4	8.5	2.0	H2834-ND	1.44	26.13	85.50	DF11-4DS-2V(50)
	6	10.5	4.0	H2835-ND	1.71	30.94	101.25	DF11-6DS-2V(50)
	8	12.5	6.0	H2836-ND	1.76	33.75	108.00	DF11-8DS-2V(50)
	12	16.5	10.0	H2838-ND	2.21	42.50	136.00	DF11-12DS-2V(50)
	14	18.5	12.0	H2839-ND	2.47	47.50	152.00	DF11-14DS-2V(50)
	18	22.5	16.0	H2841-ND	2.93	56.25	180.00	DF11-18DS-2V(50)
3	22	26.5	20.0	H2843-ND	3.10	60.19	192.60	DF11-22DS-2V(50)
	26	30.5	24.0	H2845-ND	3.63	70.31	225.00	DF11-26DS-2V(50)
	28	32.5	26.0	H2846-ND	3.83	74.25	237.60	DF11-28DS-2V(50)
	30	34.5	28.0	H2847-ND	3.97	77.06	246.60	DF11-30DS-2V(50)
	32	36.5	30.0	H2848-ND	4.29	83.25	266.40	DF11-32DS-2V(50)
	40	44.5	38.0	H2849-ND	5.34	103.50	331.20	DF11-40DS-2V(50)
				Surface Mount Vertical Socket, Gold — RoHS Compliant				
	4	8.5	2.0	H10213-ND	1.37	24.75	81.00	DF11Z-4DS-2V(50)
	6	10.5	4.0	H10214-ND	1.67	30.25	99.00	DF11Z-6DS-2V(50)
	8	12.5	6.0	H10215-ND	1.69	32.50	104.00	DF11Z-8DS-2V(50)
	10	14.5	8.0	H10216-ND	1.85	35.63	114.00	DF11Z-10DS-2V(50)
	12	16.5	10.0	H10217-ND	2.11	40.63	130.00	DF11Z-12DS-2V(50)
	14	18.5	12.0	H10218-ND	2.37	45.63	146.00	DF11Z-14DS-2V(50)
	16	20.5	14.0	H10219-ND	2.60	50.00	160.00	DF11Z-16DS-2V(50)
3	18	22.5	16.0	H10220-ND	2.80	53.75	172.00	DF11Z-18DS-2V(50)
	20	24.5	18.0	H10221-ND	3.02	58.13	186.00	DF11Z-20DS-2V(50)
	22	26.5	20.0	H10222-ND	2.99	57.94	185.40	DF11Z-22DS-2V(50)
	24	28.5	22.0	H10223-ND	3.19	61.88	198.00	DF11Z-24DS-2V(50)
	26	30.5	24.0	H10224-ND	3.45	66.94	214.20	DF11Z-26DS-2V(50)
	28	32.5	26.0	H10225-ND	3.65	70.88	226.80	DF11Z-28DS-2V(50)
	30	34.5	28.0	H10226-ND	3.92	75.94	243.00	DF11Z-30DS-2V(50)
	32	36.5	30.0	H10227-ND	4.09	79.31	253.80	DF11Z-32DS-2V(50)
	40	44.5	38.0	H10228-ND	5.10	99.00	316.80	DF11Z-40DS-2V(50)
				Vertical Protected Header, Tin				
	20	22.0	18.0	H2058-ND	1.22	22.00	72.00	DF11-20DP-2DSA(20)
	24	26.0	22.0	H2060-ND	1.44	26.13	85.50	DF11-24DP-2DSA(20)
4	28	30.0	26.0	H2276-ND	1.60	28.88	94.50	DF11-28DP-2DSA(20)
	30	32.0	28.0	H2277-ND	1.60	28.88	94.50	DF11-30DP-2DSA(20)
	32	34.0	30.0	H2278-ND	1.75	31.63	103.50	DF11-32DP-2DSA(20)
				Vertical Protected Header, Tin — RoHS Compliant				
	4	6.0	2.0	H10229-ND	.50	7.50	23.50	DF11-4DP-2DSA(24)
	6	8.0	4.0	H10230-ND	.60	9.00	28.20	DF11-6DP-2DSA(24)
	8	10.0	6.0	H10231-ND	.65	9.75	30.56	DF11-8DP-2DSA(24)
	10	12.0	8.0	H10232-ND	.57	10.31	33.75	DF11-10DP-2DSA(24)
	12	14.0	10.0	H10233-ND	.65	11.69	38.25	DF11-12DP-2DSA(24)
4	14	16.0	12.0	H10234-ND	.72	13.06	42.75	DF11-14DP-2DSA(24)
	16	18.0	14.0	H10235-ND	.76	13.75	45.00	DF11-16DP-2DSA(24)
	18	20.0	16.0	H10236-ND	.84	15.13	49.50	DF11-18DP-2DSA(24)
	20	22.0	18.0	H10237-ND	.99	17.88	58.50	DF11-20DP-2DSA(24)
	22	24.0	20.0	H10238-ND	1.06	19.25	63.00	DF11-22DP-2DSA(24)
	24	26.0	22.0	H10239-ND	1.10	19.94	65.25	DF11-24DP-2DSA(24)

(Continued)

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DF11 Series Dual Row Connectors *(Cont.)*

2mm Pitch *(Interconnect wire available)*

Fig.	No. of Pins	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
	26	28.0	24.0	H10240-ND	1.14	20.63	67.50	DF11-26DP-2DSA(24)
4	28	30.0	26.0	H10241-ND	1.22	22.00	72.00	DF11-28DP-2DSA(24)
	30	32.0	28.0	H10242-ND	1.25	22.69	74.25	DF11-30DP-2DSA(24)
	32	34.0	30.0	H10243-ND	1.33	24.06	78.75	DF11-32DP-2DSA(24)
				Vertical Protected Header, Gold				
	4	6.0	2.0	H2850-ND	.70	12.65	41.40	DF11-4DP-2DSA(01)
	6	8.0	4.0	H2851-ND	.88	15.95	52.20	DF11-6DP-2DSA(01)
	8	10.0	6.0	H2852-ND	1.06	19.25	63.00	DF11-8DP-2DSA(01)
	10	12.0	8.0	H2853-ND	1.26	22.76	74.48	DF11-10DP-2DSA(01)
	12	14.0	10.0	H2854-ND	1.46	26.40	86.40	DF11-12DP-2DSA(01)
	14	16.0	12.0	H2855-ND	1.64	29.70	97.20	DF11-14DP-2DSA(01)
	16	18.0	14.0	H2856-ND	1.85	33.48	109.58	DF11-16DP-2DSA(01)
4	18	20.0	16.0	H2857-ND	1.74	33.50	107.20	DF11-18DP-2DSA(01)
	20	22.0	18.0	H2858-ND	1.92	37.00	118.40	DF11-20DP-2DSA(01)
	22	24.0	20.0	H2859-ND	2.12	40.75	130.40	DF11-22DP-2DSA(01)
	24	26.0	22.0	H2860-ND	2.28	43.81	140.20	DF11-24DP-2DSA(01)
	26	28.0	24.0	H2861-ND	2.44	46.88	150.00	DF11-26DP-2DSA(01)
	28	30.0	26.0	H2862-ND	2.59	49.88	159.60	DF11-28DP-2DSA(01)
	30	32.0	28.0	H2863-ND	2.76	53.00	169.60	DF11-30DP-2DSA(01)
	32	34.0	30.0	H2864-ND	2.92	56.06	179.40	DF11-32DP-2DSA(01)
				Right Angle Protected Header, Tin				
	4	6.0	2.0	H2061-ND	.60	9.00	28.20	DF11-4DP-2DS(22)
	6	8.0	4.0	H2062-ND	.65	9.75	30.55	DF11-6DP-2DS(22)
	22	24.0	20.0	H2070-ND	1.25	22.69	74.25	DF11-22DP-2DS(22)
5	24	26.0	22.0	H2071-ND	1.37	24.75	81.00	DF11-24DP-2DS(22)
	26	28.0	24.0	H2280-ND	1.44	26.13	85.50	DF11-26DP-2DS(22)
	28	30.0	26.0	H2281-ND	1.48	26.81	87.75	DF11-28DP-2DS(22)
	30	32.0	28.0	H2282-ND	1.56	28.19	92.25	DF11-30DP-2DS(22)
				Right Angle Protected Header, Tin — RoHS Compliant				
	4	6.0	2.0	H10244-ND	.60	9.00	28.20	DF11-4DP-2DS(24)
	6	8.0	4.0	H10245-ND	.57	10.31	33.75	DF11-6DP-2DS(24)
	8	10.0	6.0	H10246-ND	.61	11.00	36.00	DF11-8DP-2DS(24)
	10	12.0	8.0	H10247-ND	.76	13.75	45.00	DF11-10DP-2DS(24)
	12	14.0	10.0	H10248-ND	.84	15.13	49.50	DF11-12DP-2DS(24)
	14	16.0	12.0	H10249-ND	.95	17.19	56.25	DF11-14DP-2DS(24)
	16	18.0	14.0	H10250-ND	1.14	20.63	67.50	DF11-16DP-2DS(24)
5	18	20.0	16.0	H10251-ND	1.22	22.00	72.00	DF11-18DP-2DS(24)
	20	22.0	18.0	H10252-ND	1.33	24.06	78.75	DF11-20DP-2DS(24)
	22	24.0	20.0	H10253-ND	1.44	26.13	85.50	DF11-22DP-2DS(24)
	24	26.0	22.0	H10254-ND	1.60	28.88	94.50	DF11-24DP-2DS(24)
	26	28.0	24.0	H10255-ND	1.67	30.25	99.00	DF11-26DP-2DS(24)
	28	30.0	26.0	H10256-ND	1.75	31.63	103.50	DF11-28DP-2DS(24)
	30	32.0	28.0	H10257-ND	1.86	33.69	110.25	DF11-30DP-2DS(24)
	32	34.0	30.0	H10258-ND	1.69	32.50	104.00	DF11-32DP-2DS(24)
				Right Angle Protected Header, Gold				
	4	6.0	2.0	H2865-ND	.95	17.19	56.25	DF11-4DP-2DS(52)
	6	8.0	4.0	H2866-ND	1.22	22.00	72.00	DF11-6DP-2DS(52)
	8	10.0	6.0	H2867-ND	1.44	26.13	85.50	DF11-8DP-2DS(52)
	10	12.0	8.0	H2868-ND	1.71	30.94	101.25	DF11-10DP-2DS(52)
	12	14.0	10.0	H2869-ND	1.69	32.50	104.00	DF11-12DP-2DS(52)
	14	16.0	12.0	H2870-ND	1.95	37.50	120.00	DF11-14DP-2DS(52)
	16	18.0	14.0	H2871-ND	2.18	41.88	134.00	DF11-16DP-2DS(52)
5	18	20.0	16.0	H2872-ND	2.37	45.63	146.00	DF11-18DP-2DS(52)
	20	22.0	18.0	H2873-ND	2.60	50.00	160.00	DF11-20DP-2DS(52)
	22	24.0	20.0	H2874-ND	2.89	55.63	178.00	DF11-22DP-2DS(52)
	24	26.0	22.0	H2875-ND	3.12	60.00	192.00	DF11-24DP-2DS(52)
	26	28.0	24.0	H2876-ND	2.99	57.94	185.40	DF11-26DP-2DS(52)
	28	30.0	26.0	H2877-ND	3.16	61.31	196.20	DF11-28DP-2DS(52)
	30	32.0	28.0	H2878-ND	3.36	65.25	208.80	DF11-30DP-2DS(52)
	32	34.0	30.0	H2879-ND	3.57	69.19	221.40	DF11-32DP-2DS(52)
				Surface Mount Protected Header, Tin				
6	28	32.5	26.0	H2286-ND	2.11	40.63	130.00	DF11-28DP-2V(20)
				Surface Mount Protected Header, Tin				
	14	18.5	12.0	H2886-ND	1.60	28.88	94.50	DF11G-14DP-2V(20)
	16	20.5	14.0	H2887-ND	1.71	30.94	101.25	DF11G-16DP-2V(20)
	20	24.5	18.0	H2889-ND	1.82	33.00	108.00	DF11G-20DP-2V(20)
6	22	26.5	20.0	H2890-ND	3.22	61.88	198.00	DF11G-22DP-2V(20)
	26	30.5	24.0	H2892-ND	1.89	36.25	116.00	DF11G-26DP-2V(20)
	28	32.5	26.0	H2893-ND	2.11	40.63	130.00	DF11G-28DP-2V(20)
	32	36.5	30.0	H2895-ND	2.28	43.75	140.00	DF11G-32DP-2V(20)
				Surface Mount Protected Header, Tin — RoHS Compliant				
	4	8.5	2.0	H10259-ND	1.06	19.25	63.00	DF11GZ-4DP-2V(20)
	6	10.5	4.0	H10260-ND	1.10	19.94	65.25	DF11GZ-6DP-2V(20)
	8	12.5	6.0	H10261-ND	1.22	22.00	72.00	DF11GZ-8DP-2V(20)
	10	14.5	8.0	H10262-ND	1.33	24.06	78.75	DF11GZ-10DP-2V(20)
	12	16.5	10.0	H10263-ND	1.44	26.13	85.50	DF11GZ-12DP-2V(20)
	14	18.5	12.0	H10264-ND	1.56	28.19	92.25	DF11GZ-14DP-2V(20)
	16	20.5	14.0	H10265-ND	1.67	30.25	99.00	DF11GZ-16DP-2V(20)
6	18	22.5	16.0	H10266-ND	1.71	30.94	101.25	DF11GZ-18DP-2V(20)
	20	24.5	18.0	H10267-ND	1.82	33.00	108.00	DF11GZ-20DP-2V(20)
	22	26.5	20.0	H10268-ND	1.89	32.50	104.00	DF11GZ-22DP-2V(20)
	24	28.5	22.0	H10269-ND	1.79	34.38	110.00	DF11GZ-24DP-2V(20)
	26	30.5	24.0	H10270-ND	1.89	36.25	116.00	DF11GZ-26DP-2V(20)
	28	32.5	26.0	H10271-ND	2.02	38.75	124.00	DF11GZ-28DP-2V(20)
	30	34.5	28.0	H10272-ND	2.11	40.63	130.00	DF11GZ-30DP-2V(20)
	32	36.5	30.0	H10273-ND	2.18	41.88	134.00	DF11GZ-32DP-2V(20)
	40	44.5	38.0	H10274-ND	2.70	51.88	166.00	DF11GZ-40DP-2V(20)
				Surface Mount Protected Header, Gold				
	4	8.5	2.0	H2897-ND	1.48	26.81	87.75	DF11G-4DP-2V(50)
6	6	10.5	4.0	H2898-ND	1.75	31.63	103.50	DF11G-6DP-2V(50)
	8	12.5	6.0	H2899-ND	1.69	32.50	104.00	DF11G-8DP-2V(50)
	10	14.5	8.0	H2900-ND	1.89	36.25	116.00	DF11G-10DP-2V(50)

Fig.	No. of Pins	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
	12	16.5	10.0	H2901-ND	2.08	40.00	128.00	DF11G-12DP-2V(50)
	14	18.5	12.0	H2902-ND	2.31	44.38	142.00	DF11G-14DP-2V(50)
	16	20.5	14.0	H2903-ND	2.53	50.63	162.00	DF11G-16DP-2V(50)
	18	22.5	16.0	H2904-ND	2.70	51.88	166.00	DF11G-18DP-2V(50)
	20	24.5	18.0	H2905-ND	3.02	58.13	186.00	DF11G-20DP-2V(50)
6	22	26.5	20.0	H2906-ND	3.22	61.88	198.00	DF11G-22DP-2V(50)
	24	28.5	22.0	H2907-ND	3.07	59.63	190.80	DF11G-24DP-2V(50)
	26	30.5	24.0	H2908-ND	3.34	64.69	207.00	DF11G-26DP-2V(50)
	28	32.5	26.0	H2909-ND	3.54	68.63	219.60	DF11G-28DP-2V(50)
	30	34.5	28.0	H2910-ND	3.92	75.94	243.00	DF11G-30DP-2V(50)
	32	36.5	30.0	H2911-ND	3.92	75.94	243.00	DF11G-32DP-2V(50)
	40	44.5	38.0	H2912-ND	4.81	93.38	298.80	DF11G-40DP-2V(50)
				Connector Plug Housing				
	4	11.0	2.0	H2913-ND	.51	7.58	23.74	DF11-4DEP-2C
	6	13.0	4.0	H2914-ND	.53	7.88	24.68	DF11-6DEP-2C
	8	15.0	6.0	H2915-ND	.55	8.18	25.62	DF11-8DEP-2C
	10	17.0	8.0	H2916-ND	.57	8.48	26.56	DF11-10DEP-2C
	12	19.0	10.0	H2917-ND	.59	8.85	27.73	DF11-12DEP-2C
	14	21.0	12.0	H2918-ND	.61	9.15	28.67	DF11-14DEP-2C
	16	23.0	14.0	H2919-ND	.64	9.53	29.85	DF11-16DEP-2C
7	18	25.0	16.0	H2920-ND	.65	9.75	30.55	DF11-18DEP-2C
	20	27.0	18.0	H2921-ND	.68	10.13	31.73	DF11-20DEP-2C
	22	29.0	20.0	H2922-ND	.70	10.43	32.67	DF11-22DEP-2C
	24	31.0	22.0	H2923-ND	.73	10.88	34.08	DF11-24DEP-2C
	26	33.0	24.0	H2924-ND	.75	11.18	35.02	DF11-26DEP-2C
	28	35.0	26.0	H2925-ND	.58	10.52	34.43	DF11-28DEP-2C
	30	37.0	28.0	H2926-ND	.60	10.79	35.33	DF11-30DEP-2C
	32	39.0	30.0	H2927-ND	.61	11.07	36.23	DF11-32DEP-2C
				In-Line Adaptor				
	4	9.2	2.0	H2928-ND	.68	12.24	40.05	DF11-4DEP-2A
	6	11.2	4.0	H2929-ND	.75	13.75	45.00	DF11-6DEP-2A
	8	13.2	6.0	H2930-ND	.85	15.40	50.40	DF11-8DEP-2A
	10	15.2	8.0	H2931-ND	.94	16.98	55.58	DF11-10DEP-2A
	12	17.2	10.0	H2932-ND	1.03	18.63	60.98	DF11-12DEP-2A
	14	19.2	12.0	H2933-ND	1.16	20.97	68.63	DF11-14DEP-2A
	16	21.2	14.0	H2934-ND	1.25	22.55	73.80	DF11-16DEP-2A
8	18	23.2	16.0	H2935-ND	1.33	24.06	78.75	DF11-18DEP-2A
	20	25.2	18.0	H2936-ND	1.46	26.40	86.40	DF11-20DEP-2A
	22	27.2	20.0	H2937-ND	1.55	27.98	91.58	DF11-22DEP-2A
	24	29.2	22.0	H2938-ND	1.63	29.56	96.75	DF11-24DEP-2A
	26	31.2	24.0	H2939-ND	1.72	31.08	101.70	DF11-26DEP-2A
	28	33.2	26.0	H2940-ND	1.81	32.66	106.88	DF11-28DEP-2A
	30	35.2	28.0	H2941-ND	1.89	34.17	111.83	DF11-30DEP-2A
	32	37.2	30.0	H2942-ND	1.69	32.50	104.00	DF11-32DEP-2A
				Connector Shorting Jumpers				
	4	6.6	2.0	H2943-ND	.55	11.83	38.70	DF11-4DP-SP1
9A	6	8.6	4.0	H2944-ND	.71	12.86	42.08	DF11-6DP-SP1
	8	10.6	6.0	H2945-ND	.78	14.03	45.90	DF11-8DP-SP1
	4	6.6	2.0	H2946-ND	.70	12.72	41.63	DF11-4DP-SP2
9B	6	8.6	4.0	H2947-ND	.79	14.37	47.03	DF11-6DP-SP2
	8	10.6	6.0	H2948-ND	.89	16.09	52.65	DF11-8DP-SP2
				Connector Shorting Jumpers — RoHS Compliant				
	4	6.6	2.0	H10275-ND	.67	10.05	31.49	DF11-4DP-SP1(05)
9A	6	8.6	4.0	H10276-ND	.72	10.80	33.84	DF11-6DP-SP1(05)
	8	10.6	6.0	H10277-ND	.59	10.59	34.65	DF11-8DP-SP1(05)
	4	6.6	2.0	H10278-ND	.70	12.58	41.18	DF11-4DP-SP2(05)
9B	6	8.6	4.0	H10279-ND	.77	13.99	45.45	DF11-6DP-SP2(05)
	8	10.6	6.0	H10280-ND	.86	15.47	50.63	DF11-8DP-SP2(05)

Crimping Contacts

Fig.	AWG	Loose Piece Digi-Key Part No.	Pricing 100	Hirose Part No.	Tape & Reel Digi-Key Part No.	Pricing 10,000	Hirose Part No.
				Socket Contacts			
				Tin Plating			
	22	H2950-ND	7.34	DF11-22SC	H2950TR-ND	17.00/M	DF11-22SCF
10	24-28	H1504-ND	6.51	DF11-2428SC	H1504TR-ND	10.00/M	DF11-2428SCF
	30	H2954-ND	7.34	DF11-30SC	H2954TR-ND	17.00/M	DF11-30SCF
				Gold Plating			
	22	H2953-ND	12.25	DF11-22SCA	—	—	—
10	24-28	H1505-ND	11.00	DF11-2428SCA	H1505TR-ND	40.00/M	DF11-2428SCFA
	30	H2951-ND	10.25	DF11-30SCA	H2951TR-ND	40.00/M	DF11-30SCFA
				Pin Contacts			
				Tin Plating			
11	22	—	—	—	H2952TR-ND	18.00/M	DF11-22PCF
	24-28	H1506-ND	7.70	DF11-EP2428PC	H1506TR-ND	17.00/M	DF11-EP2428PCF
				Gold Plating			
11	24-28	H1507-ND	12.75	DF11-EP2428PCA	—	—	—

Tools

Description	Digi-Key Part No.	Price Each	Hirose Part No.
Hand Crimp Tools			
Hand Tool without Die Set	H9926-ND	332.50	HRUS-HT-1
22AWG Socket Die Set for #H9926-ND	H10298-ND	372.40	DF11-TA22HC/US-DS
24-28AWG Socket Die Set for #H9926-ND	H9928-ND	239.40	DF11-TA2428HC/US-DS
Hand Tool with 22AWG Socket Die Set	H10297-ND	689.00	DF11-TA22HC/US
Hand Tool with 24-28AWG Socket Die Set	H9924-ND	571.90	DF11-TA2428HC/US
24-28AWG Pin Die Set for #H9926-ND	H10490-ND	372.40	DF11EP-TA2428HC/US-DS
Hand Tool with 24-28AWG Pin Die Set	H10491-ND	689.00	DF11EP-TA2428HC/US
22AWG, for Socket with Non-Removeable Die	H9954-ND	806.00	DF11-TA22HC
24-28AWG, for Socket with Non-Removeable Die	H9995-ND	806.00	DF11-TA2428HC
30AWG, for Socket with Non-Removeable Die	H9955-ND	806.00	DF11-TA30HC
24-28AWG, for Pin with Non-Removeable Die	H2304-ND	806.00	DF11EP-TA2428HC
Extraction Tool			
Tool for DF11 Socket	H9996-ND	3.19	DF-C-PO(B)

HRS HIROSE ELECTRIC CO.,LTD. DF3, DF7, DF11, DF13, DF22 Interconnect Wire (housing available)

CONTACT SPECIFICATIONS: • Rated Current: **DF3:** *24AWG:* 3A, *26 AWG:* 2A, *28AWG:* 1A **DF11:** *24-26 AWG:* 2A, *28 AWG:* 1A • Operating Temperature: -30°C ~ 85°C • Rated Voltage: AC250V • Insulation Resistance: 1000 MΩ or more • Contact Resistance: 30 mΩ or less • Insertion / Withdrawals Force: Min. 0.3 N (30gf), Maximum 4.4 N (450gf) • Material (crimp terminal for socket): Phosphor bronze with tin or gold plating.

Safety Standards: UL: E52653 and CSA: LR95109.
WIRE SPECIFICATIONS: • Stranded tinned copper conductor • Color coded PVC insulation • Flammability: Passes UL VW-1 flame test • Wire is ordered per EIA-359-A color specifications which allows for some variation in shade • Operating Temperature: -40°C ~ 90°C (CSA TR-64), -40°C ~ 80°C (UL AWM 1007)

Fig. 1 — Socket to Socket

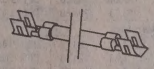
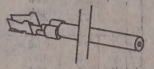
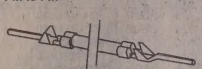


Fig. 2 — Socket Single End

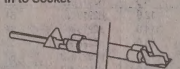


Pin to Pin



Available upon request

Pin to Socket



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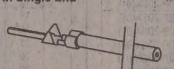
Pin Single End



Available upon request

H □□□□-□□□□□-□□-ND

- Hirose Cable Assembly
- SERIES: 2 = DF3 Series; 5 = DF7 Series; 3 = DF11 Series; 4 = DF13 Series; 6 = DF22 Series
- CONTACT END: A = Male/Pin; B = Female/Socket; X = Single Ended
- 1 = Single Row; 2 = Double Row
- FINISH: T = Tin; G = Gold
- NO. OF CONDUCTORS: 01 = One
- LENGTH OF WIRE FOR THE JUMPER (Inch): 02 = 2 Inches; 03 = 3 Inches; 04 = 4 Inches; 05 = 5 Inches; 06 = 6 Inches; 08 = 8 Inches; 10 = 10 Inches; 12 = 12 Inches
- WIRE GAGE SIZE: 7 = 16 AWG; 9 = 18 AWG; 0 = 20 AWG; 2 = 22 AWG; 4 = 24 AWG; 6 = 26 AWG; 8 = 28 AWG; 1 = 30 AWG
- COLOR OF WIRE: A = Orange; B = Black; G = Green; L = Blue; N = Brown; R = Red; S = Gray; V = Violet; W = White; Y = Yellow

* For □ in Digi-Key Part No. choose letter which represents color of your choice: A = Orange B = Black G = Green L = Blue N = Brown R = Red S = Gray V = Violet W = White Y = Yellow

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
DF3 - TIN PLATED CONTACTS					
24 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBT-10102-□4-ND	.62	.46	.40
	3	H2BBT-10103-□4-ND	.63	.47	.40
	4	H2BBT-10104-□4-ND	.64	.47	.41
	5	H2BBT-10105-□4-ND	.64	.48	.41
	6	H2BBT-10106-□4-ND	.65	.48	.41
	8	H2BBT-10108-□4-ND	.66	.49	.42
	10	H2BBT-10110-□4-ND	.68	.50	.43
	12	H2BBT-10112-□4-ND	.69	.51	.44
Fig. 2 (Socket Single End)	2	H2BXT-10102-□4-ND	.56	.42	.36
	3	H2BXT-10103-□4-ND	.57	.42	.36
	4	H2BXT-10104-□4-ND	.58	.43	.37
	5	H2BXT-10105-□4-ND	.58	.43	.37
	6	H2BXT-10106-□4-ND	.59	.44	.38
	8	H2BXT-10108-□4-ND	.62	.46	.40
	10	H2BXT-10110-□4-ND	.64	.47	.41
	12	H2BXT-10112-□4-ND	.65	.48	.42
26 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBT-10102-□6-ND	.62	.46	.40
	3	H2BBT-10103-□6-ND	.63	.47	.40
	4	H2BBT-10104-□6-ND	.64	.47	.41
	5	H2BBT-10105-□6-ND	.65	.48	.41
	6	H2BBT-10106-□6-ND	.65	.48	.42
	8	H2BBT-10108-□6-ND	.67	.49	.43
	10	H2BBT-10110-□6-ND	.68	.51	.44
	12	H2BBT-10112-□6-ND	.72	.53	.46
Fig. 2 (Socket Single End)	2	H2BXT-10102-□6-ND	.56	.42	.36
	3	H2BXT-10103-□6-ND	.57	.42	.37
	4	H2BXT-10104-□6-ND	.58	.43	.37
	5	H2BXT-10105-□6-ND	.59	.43	.37
	6	H2BXT-10106-□6-ND	.61	.45	.39
	8	H2BXT-10108-□6-ND	.63	.46	.40
	10	H2BXT-10110-□6-ND	.64	.48	.41
	12	H2BXT-10112-□6-ND	.66	.49	.42
28 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBT-10102-□8-ND	.62	.46	.40
	3	H2BBT-10103-□8-ND	.63	.47	.40
	4	H2BBT-10104-□8-ND	.64	.47	.41
	5	H2BBT-10105-□8-ND	.64	.48	.41
	6	H2BBT-10106-□8-ND	.65	.48	.42
	8	H2BBT-10108-□8-ND	.67	.49	.43
	10	H2BBT-10110-□8-ND	.68	.50	.43
	12	H2BBT-10112-□8-ND	.69	.51	.44
Fig. 2 (Socket Single End)	2	H2BXT-10102-□8-ND	.56	.42	.36
	3	H2BXT-10103-□8-ND	.57	.42	.36
	4	H2BXT-10104-□8-ND	.58	.43	.37
	5	H2BXT-10105-□8-ND	.58	.43	.37
	6	H2BXT-10106-□8-ND	.59	.44	.38
	8	H2BXT-10108-□8-ND	.62	.46	.40
	10	H2BXT-10110-□8-ND	.64	.47	.41
	12	H2BXT-10112-□8-ND	.66	.49	.42

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
DF3 - 15μ GOLD PLATED CONTACTS					
24 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBG-10102-□4-ND	.71	.53	.46
	3	H2BBG-10103-□4-ND	.72	.53	.46
	4	H2BBG-10104-□4-ND	.73	.54	.46
	5	H2BBG-10105-□4-ND	.73	.54	.47
	6	H2BBG-10106-□4-ND	.74	.55	.47
	8	H2BBG-10108-□4-ND	.75	.56	.48
	10	H2BBG-10110-□4-ND	.79	.58	.50
	12	H2BBG-10112-□4-ND	.81	.60	.51
Fig. 2 (Socket Single End)	2	H2BXG-10102-□4-ND	.61	.45	.39
	3	H2BXG-10103-□4-ND	.61	.45	.39
	4	H2BXG-10104-□4-ND	.62	.46	.40
	5	H2BXG-10105-□4-ND	.64	.47	.41
	6	H2BXG-10106-□4-ND	.65	.48	.41
	8	H2BXG-10108-□4-ND	.66	.49	.42
	10	H2BXG-10110-□4-ND	.68	.50	.44
	12	H2BXG-10112-□4-ND	.70	.52	.45
26 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBG-10102-□6-ND	.71	.53	.46
	3	H2BBG-10103-□6-ND	.72	.53	.46
	4	H2BBG-10104-□6-ND	.73	.54	.47
	5	H2BBG-10105-□6-ND	.74	.54	.47
	6	H2BBG-10106-□6-ND	.74	.55	.48
	8	H2BBG-10108-□6-ND	.78	.57	.50
	10	H2BBG-10110-□6-ND	.80	.59	.51
	12	H2BBG-10112-□6-ND	.82	.60	.52
Fig. 2 (Socket Single End)	2	H2BXG-10102-□6-ND	.61	.45	.39
	3	H2BXG-10103-□6-ND	.62	.46	.39
	4	H2BXG-10104-□6-ND	.63	.47	.40
	5	H2BXG-10105-□6-ND	.64	.47	.41
	6	H2BXG-10106-□6-ND	.65	.48	.42
	8	H2BXG-10108-□6-ND	.67	.50	.43
	10	H2BXG-10110-□6-ND	.69	.51	.44
	12	H2BXG-10112-□6-ND	.71	.52	.45
28 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H2BBG-10102-□8-ND	.71	.53	.46
	3	H2BBG-10103-□8-ND	.72	.53	.46
	4	H2BBG-10104-□8-ND	.73	.54	.47
	5	H2BBG-10105-□8-ND	.74	.54	.47
	6	H2BBG-10106-□8-ND	.74	.55	.47
	8	H2BBG-10108-□8-ND	.77	.57	.49
	10	H2BBG-10110-□8-ND	.79	.58	.51
	12	H2BBG-10112-□8-ND	.81	.60	.52
Fig. 2 (Socket Single End)	2	H2BXG-10102-□8-ND	.61	.45	.39
	3	H2BXG-10103-□8-ND	.62	.46	.39
	4	H2BXG-10104-□8-ND	.63	.47	.40
	5	H2BXG-10105-□8-ND	.64	.47	.41
	6	H2BXG-10106-□8-ND	.65	.48	.41
	8	H2BXG-10108-□8-ND	.67	.49	.43
	10	H2BXG-10110-□8-ND	.69	.51	.44
	12	H2BXG-10112-□8-ND	.70	.52	.45

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
DF7- TIN PLATED CONTACTS					
16 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H5BBT-10102-□7-ND	.63	.47	.40
	3	H5BBT-10103-□7-ND	.64	.47	.41
	4	H5BBT-10104-□7-ND	.64	.48	.41
	5	H5BBT-10105-□7-ND	.65	.48	.42
	6	H5BBT-10106-□7-ND	.66	.49	.42
	8	H5BBT-10108-□7-ND	.67	.49	.43
	10	H5BBT-10110-□7-ND	.68	.50	.44
	12	H5BBT-10112-□7-ND	.70	.51	.44
Fig. 2 (Socket Single End)	2	H5BXT-10102-□7-ND	.57	.42	.36
	3	H5BXT-10103-□7-ND	.57	.42	.37
	4	H5BXT-10104-□7-ND	.58	.43	.37
	5	H5BXT-10105-□7-ND	.59	.43	.37
	6	H5BXT-10106-□7-ND	.59	.44	.38
	8	H5BXT-10108-□7-ND	.61	.45	.39
	10	H5BXT-10110-□7-ND	.62	.46	.40
	12	H5BXT-10112-□7-ND	.63	.47	.40
18 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H5BBT-10102-□9-ND	.63	.47	.40
	3	H5BBT-10103-□9-ND	.64	.47	.41
	4	H5BBT-10104-□9-ND	.64	.48	.41
	5	H5BBT-10105-□9-ND	.65	.48	.42
	6	H5BBT-10106-□9-ND	.66	.49	.42
	8	H5BBT-10108-□9-ND	.67	.49	.43
	10	H5BBT-10110-□9-ND	.68	.50	.44
	12	H5BBT-10112-□9-ND	.70	.51	.44
Fig. 2 (Socket Single End)	2	H5BXT-10102-□9-ND	.57	.42	.36
	3	H5BXT-10103-□9-ND	.57	.42	.37
	4	H5BXT-10104-□9-ND	.58	.43	.37
	5	H5BXT-10105-□9-ND	.59	.43	.37
	6	H5BXT-10106-□9-ND	.59	.44	.38
	8	H5BXT-10108-□9-ND	.61	.45	.39
	10	H5BXT-10110-□9-ND	.62	.46	.40
	12	H5BXT-10112-□9-ND	.63	.47	.40
20 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H5BBT-10102-□0-ND	.63	.47	.40
	3	H5BBT-10103-□0-ND	.64	.47	.41
	4	H5BBT-10104-□0-ND	.64	.48	.41
	5	H5BBT-10105-□0-ND	.65	.48	.42
	6	H5BBT-10106-□0-ND	.66	.49	.42
	8	H5BBT-10108-□0-ND	.67	.49	.43
	10	H5BBT-10110-□0-ND	.68	.50	.44
	12	H5BBT-10112-□0-ND	.70	.51	.44
Fig. 2 (Socket Single End)	2	H5BXT-10102-□0-ND	.57	.42	.36
	3	H5BXT-10103-□0-ND	.57	.42	.37
	4	H5BXT-10104-□0-ND	.58	.43	.37
	5	H5BXT-10105-□0-ND	.59	.43	.37
	6	H5BXT-10106-□0-ND	.59	.44	.38
	8	H5BXT-10108-□0-ND	.61	.45	.39
	10	H5BXT-10110-□0-ND	.62	.46	.40
	12	H5BXT-10112-□0-ND	.63	.47	.40

(Continued)

DF3, DF7, DF11, DF13, DF22 Interconnect Wire (housing available) (Cont.)

• For ☐ in Digi-Key Part No. choose letter which represents color of your choice: A = Orange B = Black G = Green L = Blue N = Brown R = Red S = Gray V = Violet W = White Y = Yellow

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
22 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H5BBT-10102-☐2-ND	.63	.47	.40
	3	H5BBT-10103-☐2-ND	.64	.47	.41
	4	H5BBT-10104-☐2-ND	.64	.48	.41
	5	H5BBT-10105-☐2-ND	.65	.48	.42
	6	H5BBT-10106-☐2-ND	.66	.49	.42
	8	H5BBT-10108-☐2-ND	.67	.49	.43
	10	H5BBT-10110-☐2-ND	.68	.50	.44
	12	H5BBT-10112-☐2-ND	.70	.51	.44
Fig. 2 (Socket Single End)	2	H5BXT-10102-☐2-ND	.57	.42	.36
	3	H5BXT-10103-☐2-ND	.57	.42	.37
	4	H5BXT-10104-☐2-ND	.58	.43	.37
	5	H5BXT-10105-☐2-ND	.59	.43	.37
	6	H5BXT-10106-☐2-ND	.59	.44	.38
	8	H5BXT-10108-☐2-ND	.61	.45	.39
	10	H5BXT-10110-☐2-ND	.62	.46	.40
	12	H5BXT-10112-☐2-ND	.63	.47	.40
DF11 - TIN PLATED CONTACTS					
24 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBT-10102-☐4-ND	.62	.46	.40
	3	H3BBT-10103-☐4-ND	.63	.47	.40
	4	H3BBT-10104-☐4-ND	.64	.47	.41
	5	H3BBT-10105-☐4-ND	.64	.48	.41
	6	H3BBT-10106-☐4-ND	.65	.48	.41
	8	H3BBT-10108-☐4-ND	.66	.49	.42
	10	H3BBT-10110-☐4-ND	.70	.51	.45
	12	H3BBT-10112-☐4-ND	.71	.53	.46
Fig. 2 (Socket Single End)	2	H3BXT-10102-☐4-ND	.56	.42	.36
	3	H3BXT-10103-☐4-ND	.57	.42	.36
	4	H3BXT-10104-☐4-ND	.58	.43	.37
	5	H3BXT-10105-☐4-ND	.59	.44	.38
	6	H3BXT-10106-☐4-ND	.60	.44	.38
	8	H3BXT-10108-☐4-ND	.62	.46	.40
	10	H3BXT-10110-☐4-ND	.64	.47	.41
	12	H3BXT-10112-☐4-ND	.65	.48	.42
26 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBT-10102-☐6-ND	.62	.46	.40
	3	H3BBT-10103-☐6-ND	.63	.47	.40
	4	H3BBT-10104-☐6-ND	.64	.47	.41
	5	H3BBT-10105-☐6-ND	.65	.48	.41
	6	H3BBT-10106-☐6-ND	.65	.48	.42
	8	H3BBT-10108-☐6-ND	.69	.51	.44
	10	H3BBT-10110-☐6-ND	.70	.52	.45
	12	H3BBT-10112-☐6-ND	.72	.53	.46
Fig. 2 (Socket Single End)	2	H3BXT-10102-☐6-ND	.56	.42	.36
	3	H3BXT-10103-☐6-ND	.57	.42	.37
	4	H3BXT-10104-☐6-ND	.59	.43	.38
	5	H3BXT-10105-☐6-ND	.60	.44	.38
	6	H3BXT-10106-☐6-ND	.61	.45	.39
	8	H3BXT-10108-☐6-ND	.63	.46	.40
	10	H3BXT-10110-☐6-ND	.64	.48	.41
	12	H3BXT-10112-☐6-ND	.66	.49	.42
28 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBT-10102-☐8-ND	.62	.46	.40
	3	H3BBT-10103-☐8-ND	.63	.47	.40
	4	H3BBT-10104-☐8-ND	.64	.47	.41
	5	H3BBT-10105-☐8-ND	.64	.48	.41
	6	H3BBT-10106-☐8-ND	.65	.48	.42
	8	H3BBT-10108-☐8-ND	.67	.49	.43
	10	H3BBT-10110-☐8-ND	.70	.52	.45
	12	H3BBT-10112-☐8-ND	.72	.53	.46
Fig. 2 (Socket Single End)	2	H3BXT-10102-☐8-ND	.56	.42	.36
	3	H3BXT-10103-☐8-ND	.57	.42	.36
	4	H3BXT-10104-☐8-ND	.58	.43	.37
	5	H3BXT-10105-☐8-ND	.59	.44	.38
	6	H3BXT-10106-☐8-ND	.60	.45	.39
	8	H3BXT-10108-☐8-ND	.62	.46	.40
	10	H3BXT-10110-☐8-ND	.64	.47	.41
	12	H3BXT-10112-☐8-ND	.66	.49	.42

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
DF11 - 15µ GOLD PLATED CONTACTS					
24 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBG-10102-☐4-ND	.75	.56	.48
	3	H3BBG-10103-☐4-ND	.76	.56	.49
	4	H3BBG-10104-☐4-ND	.77	.57	.49
	5	H3BBG-10105-☐4-ND	.77	.57	.49
	6	H3BBG-10106-☐4-ND	.78	.58	.50
	8	H3BBG-10108-☐4-ND	.79	.59	.51
	10	H3BBG-10110-☐4-ND	.81	.60	.52
	12	H3BBG-10112-☐4-ND	.82	.61	.52
Fig. 2 (Socket Single End)	2	H3BXG-10102-☐4-ND	.63	.46	.40
	3	H3BXG-10103-☐4-ND	.63	.47	.41
	4	H3BXG-10104-☐4-ND	.64	.47	.41
	5	H3BXG-10105-☐4-ND	.65	.48	.41
	6	H3BXG-10106-☐4-ND	.65	.48	.42
	8	H3BXG-10108-☐4-ND	.67	.49	.43
	10	H3BXG-10110-☐4-ND	.68	.50	.44
	12	H3BXG-10112-☐4-ND	.72	.53	.46
26 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBG-10102-☐6-ND	.75	.56	.48
	3	H3BBG-10103-☐6-ND	.76	.56	.49
	4	H3BBG-10104-☐6-ND	.77	.57	.49
	5	H3BBG-10105-☐6-ND	.78	.57	.50
	6	H3BBG-10106-☐6-ND	.78	.58	.50
	8	H3BBG-10108-☐6-ND	.80	.59	.51
	10	H3BBG-10110-☐6-ND	.81	.60	.52
	12	H3BBG-10112-☐6-ND	.83	.61	.53
Fig. 2 (Socket Single End)	2	H3BXG-10102-☐6-ND	.63	.47	.40
	3	H3BXG-10103-☐6-ND	.64	.47	.41
	4	H3BXG-10104-☐6-ND	.64	.48	.41
	5	H3BXG-10105-☐6-ND	.65	.48	.42
	6	H3BXG-10106-☐6-ND	.66	.49	.42
	8	H3BXG-10108-☐6-ND	.67	.50	.43
	10	H3BXG-10110-☐6-ND	.71	.53	.45
	12	H3BXG-10112-☐6-ND	.73	.54	.47
28 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H3BBG-10102-☐8-ND	.75	.56	.48
	3	H3BBG-10103-☐8-ND	.76	.56	.49
	4	H3BBG-10104-☐8-ND	.77	.57	.49
	5	H3BBG-10105-☐8-ND	.78	.57	.50
	6	H3BBG-10106-☐8-ND	.78	.58	.50
	8	H3BBG-10108-☐8-ND	.80	.59	.51
	10	H3BBG-10110-☐8-ND	.81	.60	.52
	12	H3BBG-10112-☐8-ND	.83	.61	.53
Fig. 2 (Socket Single End)	2	H3BXG-10102-☐8-ND	.63	.46	.40
	3	H3BXG-10103-☐8-ND	.64	.47	.41
	4	H3BXG-10104-☐8-ND	.64	.48	.41
	5	H3BXG-10105-☐8-ND	.65	.48	.42
	6	H3BXG-10106-☐8-ND	.66	.49	.42
	8	H3BXG-10108-☐8-ND	.67	.50	.43
	10	H3BXG-10110-☐8-ND	.69	.51	.44
	12	H3BXG-10112-☐8-ND	.72	.53	.46
DF13 - TIN PLATED CONTACTS					
28 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H4BBT-10102-☐8-ND	.57	.42	.36
	3	H4BBT-10103-☐8-ND	.57	.42	.37
	4	H4BBT-10104-☐8-ND	.58	.43	.37
	5	H4BBT-10105-☐8-ND	.59	.43	.38
	6	H4BBT-10106-☐8-ND	.59	.44	.38
	8	H4BBT-10108-☐8-ND	.61	.45	.39
	10	H4BBT-10110-☐8-ND	.62	.46	.40
	12	H4BBT-10112-☐8-ND	.63	.47	.41
Fig. 2 (Socket Single End)	2	H4BXT-10102-☐8-ND	.54	.40	.34
	3	H4BXT-10103-☐8-ND	.54	.40	.35
	4	H4BXT-10104-☐8-ND	.55	.41	.35
	5	H4BXT-10105-☐8-ND	.56	.41	.36
	6	H4BXT-10106-☐8-ND	.56	.42	.36
	8	H4BXT-10108-☐8-ND	.57	.43	.37
	10	H4BXT-10110-☐8-ND	.59	.44	.38
	12	H4BXT-10112-☐8-ND	.60	.44	.38

Fig.	Cable Length (inches)	Digi-Key Part No.	Price Each 10	100	250
30 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H4BBT-10102-☐1-ND	.57	.42	.36
	3	H4BBT-10103-☐1-ND	.57	.42	.37
	4	H4BBT-10104-☐1-ND	.58	.43	.37
	5	H4BBT-10105-☐1-ND	.59	.43	.38
	6	H4BBT-10106-☐1-ND	.59	.44	.38
	8	H4BBT-10108-☐1-ND	.61	.45	.39
	10	H4BBT-10110-☐1-ND	.62	.46	.40
	12	H4BBT-10112-☐1-ND	.63	.47	.41
Fig. 2 (Socket Single End)	2	H4BXT-10102-☐1-ND	.54	.40	.34
	3	H4BXT-10103-☐1-ND	.54	.40	.35
	4	H4BXT-10104-☐1-ND	.55	.41	.35
	5	H4BXT-10105-☐1-ND	.56	.41	.36
	6	H4BXT-10106-☐1-ND	.56	.42	.36
	8	H4BXT-10108-☐1-ND	.57	.43	.37
	10	H4BXT-10110-☐1-ND	.59	.44	.38
	12	H4BXT-10112-☐1-ND	.60	.44	.38
DF13 - GOLD PLATED CONTACTS					
26 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H4BBG-10102-☐8-ND	.60	.45	.39
	3	H4BBG-10103-☐8-ND	.61	.45	.39
	4	H4BBG-10104-☐8-ND	.62	.46	.39
	5	H4BBG-10105-☐8-ND	.62	.46	.40
	6	H4BBG-10106-☐8-ND	.63	.47	.40
	8	H4BBG-10108-☐8-ND	.64	.48	.41
	10	H4BBG-10110-☐8-ND	.66	.49	.42
	12	H4BBG-10112-☐8-ND	.67	.50	.43
Fig. 2 (Socket Single End)	2	H4BXG-10102-☐8-ND	.55	.41	.35
	3	H4BXG-10103-☐8-ND	.56	.41	.36
	4	H4BXG-10104-☐8-ND	.57	.42	.36
	5	H4BXG-10105-☐8-ND	.57	.42	.37
	6	H4BXG-10106-☐8-ND	.58	.43	.37
	8	H4BXG-10108-☐8-ND	.59	.44	.38
	10	H4BXG-10110-☐8-ND	.61	.45	.39
	12	H4BXG-10112-☐8-ND	.62	.46	.40
30 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H4BBG-10102-☐1-ND	.60	.45	.39
	3	H4BBG-10103-☐1-ND	.61	.45	.39
	4	H4BBG-10104-☐1-ND	.62	.46	.39
	5	H4BBG-10105-☐1-ND	.62	.46	.40
	6	H4BBG-10106-☐1-ND	.63	.47	.40
	8	H4BBG-10108-☐1-ND	.64	.48	.41
	10	H4BBG-10110-☐1-ND	.66	.49	.42
	12	H4BBG-10112-☐1-ND	.67	.50	.43
Fig. 2 (Socket Single End)	2	H4BXG-10102-☐1-ND	.55	.41	.35
	3	H4BXG-10103-☐1-ND	.56	.41	.36
	4	H4BXG-10104-☐1-ND	.57	.42	.36
	5	H4BXG-10105-☐1-ND	.57	.42	.37
	6	H4BXG-10106-☐1-ND	.58	.43	.37
	8	H4BXG-10108-☐1-ND	.59	.44	.38
	10	H4BXG-10110-☐1-ND	.61	.45	.39
	12	H4BXG-10112-☐1-ND	.62	.46	.40
DF22 - TIN PLATED CONTACTS					
16 AWG WIRE					
Fig. 1 (Socket to Socket)	2	H6BBT-10102-☐7-ND	.72	.53	.46
	3	H6BBT-10103-☐7-ND	.73	.54	.47
	4	H6BBT-10104-☐7-ND	.73	.54	.47
	5	H6BBT-10105-☐7-ND	.74	.55	.47
	6	H6BBT-10106-☐7-ND	.75	.55	.48
	8	H6BBT-10108-☐7-ND	.76	.56	.49
	10	H6BBT-10110-☐7-ND	.77	.57	.49
	12	H6BBT-10112-☐7-ND	.79	.58	.50
Fig. 2 (Socket Single End)	2	H6BXT-10102-☐7-ND	.61	.45	.39
	3	H6BXT-10103-☐7-ND	.62	.46	.40
	4	H6BXT-10104-☐7-ND	.63	.46	.40
	5	H6BXT-10105-☐7-ND	.63	.47	.40
	6	H6BXT-10106-☐7-ND	.64	.47	.41
	8	H6BXT-10108-☐7-ND	.65	.48	.42
	10	H6BXT-10110-☐7-ND	.67	.49	.43
	12	H6BXT-10112-☐7-ND	.68	.50	.43

JST

PH Series 2.0mm Connectors

Features:
• Contact has long dimples near the center to ensure a good connection at all times • Square post is copper-undercoated and tin/lead-plated for superior solderability and for whisker prevention • This connector is also available in a surface mount configuration. its housing is made of heat resistant resin so that it is not adversely affected during reflow soldering.

Specifications:
• Current Rating: 2A AC/DC • Voltage Rating: 100V AC/DC • Temperature Range: -25°C ~ 85°C • Applicable Wire: 32 ~ 24 AWG • Color: Natural (White)

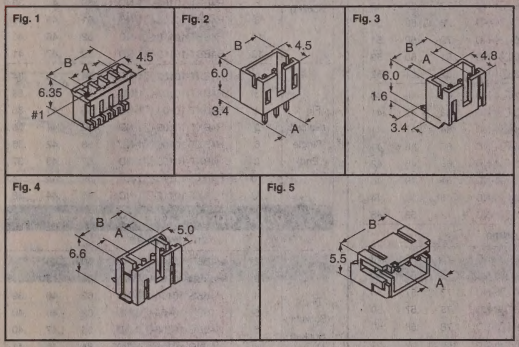


Fig.	Cir-cuits	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 10	100	500	JST Part No.
				Housing				
1	2	2.0	5.8	455-1165-ND	.41	3.45	13.78	PHR-2
	3	4.0	7.8	455-1126-ND	.42	3.53	14.11	PHR-3
	4	6.0	9.8	455-1164-ND	.51	4.29	17.14	PHR-4
	5	8.0	11.8	455-1163-ND	.53	4.45	17.81	PHR-5
	6	10.0	13.8	455-1162-ND	.58	4.87	19.49	PHR-6
	7	12.0	15.8	455-1161-ND	.75	6.22	24.86	PHR-7
	8	14.0	17.8	455-1189-ND	.78	6.47	25.87	PHR-8
	9	16.0	19.8	455-1159-ND	.79	6.55	26.21	PHR-9
	10	18.0	21.8	455-1151-ND	.85	7.06	28.22	PHR-10
	11	20.0	23.8	455-1157-ND	1.51	12.60	50.40	PHR-11
	12	22.0	25.8	455-1156-ND	1.64	13.69	54.77	PHR-12
	13	24.0	27.8	455-1155-ND	1.74	14.53	58.13	PHR-13
	14	26.0	29.8	455-1154-ND	1.95	16.21	64.85	PHR-14
	15	28.0	31.8	455-1153-ND	2.02	16.80	67.20	PHR-15
	16	30.0	33.8	455-1152-ND	2.69	22.43	89.71	PHR-16
				Top Entry Thru-hole (Shrouded)				
2	4	6.0	9.9	455-1279-ND	1.43	11.90	47.58	B4B-PH-K-S
	7	12.0	15.9	455-1276-ND	2.49	20.77	83.06	B7B-PH-K-S
	12	22.0	25.9	455-1264-ND	3.91	32.59	130.37	B12B-PH-K-S
	14	26.0	29.9	455-1269-ND	4.65	38.78	155.10	B14B-PH-K-S
	16	30.0	33.9	455-1267-ND	5.64	46.97	187.89	B16B-PH-K-S
				Top Entry Thru-hole (Shrounded) — RoHS Compliant				
2	2	2.0	5.9	455-1704-ND	.81	6.79	27.15	B2B-PH-K-S(LF)(SN)
	3	4.0	7.9	455-1705-ND	1.15	9.54	38.17	B3B-PH-K-S(LF)(SN)
	4	6.0	9.9	455-1706-ND	1.43	11.90	47.58	B4B-PH-K-S(LF)(SN)
	5	8.0	11.9	455-1707-ND	1.85	15.39	61.56	B5B-PH-K-S(LF)(SN)
	6	10.0	13.9	455-1708-ND	2.11	17.61	70.43	B6B-PH-K-S(LF)(SN)
	7	12.0	15.9	455-1709-ND	2.49	20.77	83.06	B7B-PH-K-S(LF)(SN)
	8	14.0	17.9	455-1710-ND	2.73	22.71	90.85	B8B-PH-K-S(LF)(SN)
	9	16.0	19.9	455-1711-ND	3.08	25.67	102.68	B9B-PH-K-S(LF)(SN)
	10	18.0	21.9	455-1712-ND	3.36	28.02	112.09	B10B-PH-K-S(LF)(SN)
	11	20.0	23.9	455-1713-ND	3.63	30.24	120.96	B11B-PH-K-S(LF)(SN)
	12	22.0	25.9	455-1714-ND	3.91	32.59	130.37	B12B-PH-K-S(LF)(SN)
	13	24.0	27.9	455-1715-ND	4.31	35.95	143.81	B13B-PH-K-S(LF)(SN)
	14	26.0	29.9	455-1716-ND	4.65	38.78	155.10	B14B-PH-K-S(LF)(SN)
	15	28.0	31.9	455-1717-ND	4.96	41.33	165.31	B15B-PH-K-S(LF)(SN)
	16	30.0	33.9	455-1718-ND	5.64	46.97	187.89	B16B-PH-K-S(LF)(SN)
				Side Entry Thru-hole (Shrouded)				
3	10	18.0	21.9	455-1220-ND	3.10	25.81	103.22	S10B-PH-K-S
	14	26.0	29.9	455-1214-ND	4.28	35.68	142.73	S14B-PH-K-S
	16	30.0	33.9	455-1207-ND	5.63	46.91	187.62	S16B-PH-K-S
				Side Entry Thru-hole(Shrouded) — RoHS Compliant				
3	2	2.0	5.9	455-1719-ND	.81	6.72	26.88	S2B-PH-K-S(LF)(SN)
	3	4.0	7.9	455-1720-ND	1.06	8.87	35.48	S3B-PH-K-S(LF)(SN)
	4	6.0	9.9	455-1721-ND	1.31	10.89	43.55	S4B-PH-K-S(LF)(SN)
	5	8.0	11.9	455-1722-ND	1.60	13.37	53.49	S5B-PH-K-S(LF)(SN)
	6	10.0	13.9	455-1723-ND	1.92	15.99	63.97	S6B-PH-K-S(LF)(SN)
	7	12.0	15.9	455-1724-ND	2.14	17.81	71.23	S7B-PH-K-S(LF)(SN)
	8	14.0	17.9	455-1725-ND	2.50	20.83	83.33	S8B-PH-K-S(LF)(SN)
3	9	16.0	19.9	455-1726-ND	2.78	23.19	92.74	S9B-PH-K-S(LF)(SN)
	10	18.0	21.9	455-1727-ND	3.10	25.81	103.22	S10B-PH-K-S(LF)(SN)
	11	20.0	23.9	455-1728-ND	3.35	27.89	111.55	S11B-PH-K-S(LF)(SN)
	12	22.0	25.9	455-1729-ND	3.84	31.99	127.95	S12B-PH-K-S(LF)(SN)
	13	24.0	27.9	455-1730-ND	4.08	34.03	136.12	S13B-PH-K-S(LF)(SN)
	14	26.0	29.9	455-1731-ND	4.28	35.68	142.73	S14B-PH-K-S(LF)(SN)
	15	28.0	31.9	455-1732-ND	4.54	37.87	151.47	S15B-PH-K-S(LF)(SN)
	16	30.0	33.9	455-1733-ND	5.63	46.91	187.62	S16B-PH-K-S(LF)(SN)

Fig.	Cir-cuits	Dim. (mm) A	B	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Tape & Reel* Pricing 1,000	JST Part No.
				Headers					
				Top Entry SMT (Shrouded)					
4	7	12.0	17.95	455-1306-1-ND	11.02	98.59	434.94	—	B7B-PH-SM3-TB
	9	16.0	21.95	455-1311-1-ND	12.63	112.98	498.45	—	B9B-PH-SM3-TB
	11	20.0	25.95	455-1307-1-ND	15.97	142.91	630.51	673.00	B11B-PH-SM3-TB
	12	22.0	27.95	455-1309-1-ND	16.68	149.31	658.73	703.00	B12B-PH-SM3-TB
	13	24.0	29.95	455-1308-1-ND	17.22	154.11	679.89	725.00	B13B-PH-SM3-TB
	14	26.0	31.95	455-1322-1-ND	17.76	158.91	701.06	748.00	B14B-PH-SM3-TB
	16	30.0	35.95	455-1323-1-ND	18.83	168.50	743.40	793.00	B16B-PH-SM3-TB
				Top Entry SMT (Shrounded) — RoHS Compliant					
4	2	2.0	7.95	455-1734-1-ND	5.89	52.67	232.35	248.00	B2B-PH-SM4-TB(LF)(SN)
	3	4.0	9.95	455-1735-1-ND	6.73	60.21	265.61	283.00	B3B-PH-SM4-TB(LF)(SN)
	4	6.0	11.95	455-1736-1-ND	8.49	75.97	335.16	358.00	B4B-PH-SM4-TB(LF)(SN)
	5	8.0	13.95	455-1737-1-ND	9.17	82.03	361.88	386.00	B5B-PH-SM4-TB(LF)(SN)
	6	10.0	15.95	455-1738-1-ND	9.95	89.00	392.63	419.00	B6B-PH-SM4-TB(LF)(SN)
	7	12.0	17.95	455-1739-1-ND	11.02	98.59	434.94	464.00	B7B-PH-SM4-TB(LF)(SN)
	8	14.0	19.95	455-1740-1-ND	11.76	105.21	464.18	495.00	B8B-PH-SM4-TB(LF)(SN)
	9	16.0	21.95	455-1741-1-ND	12.63	112.98	498.45	532.00	B9B-PH-SM4-TB(LF)(SN)
	10	18.0	23.95	455-1742-1-ND	15.02	134.35	592.71	632.00	B10B-PH-SM4-TB(LF)(SN)
	11	20.0	25.95	455-1743-1-ND	15.97	142.91	630.51	673.00	B11B-PH-SM4-TB(LF)(SN)
	12	22.0	27.95	455-1744-1-ND	16.69	149.31	658.73	703.00	B12B-PH-SM4-TB(LF)(SN)
	13	24.0	29.95	455-1745-1-ND	17.22	154.11	679.89	725.00	B13B-PH-SM4-TB(LF)(SN)
	14	26.0	31.95	455-1746-1-ND	17.76	158.91	701.06	748.00	B14B-PH-SM4-TB(LF)(SN)
	15	28.0	33.95	455-1747-1-ND	18.30	163.71	722.23	770.00	B15B-PH-SM4-TB(LF)(SN)
	16	30.0	35.95	455-1748-1-ND	18.83	168.50	743.40	793.00	B16B-PH-SM4-TB(LF)(SN)
				Side Entry SMT (Shrouded)					
5	4	6.0	11.9	455-1333-1-ND	8.40	75.17	331.63	354.00	S4B-PH-SM3-TB
	7	12.0	17.9	455-1334-1-ND	6.46	57.82	255.08	—	S7B-PH-SM3-TB
	9	16.0	21.9	455-1338-1-ND	13.05	116.75	515.08	—	S9B-PH-SM3-TB
	10	18.0	23.9	455-1339-1-ND	15.05	134.69	594.23	—	S10B-PH-SM3-TB
	12	22.0	27.9	455-1340-1-ND	16.50	147.60	651.17	—	S12B-PH-SM3-TB
	14	26.0	31.9	455-1342-1-ND	17.66	157.99	697.03	744.00	S14B-PH-SM3-TB
	15	28.0	33.9	455-1343-1-ND	18.08	161.76	713.66	761.00	S15B-PH-SM3-TB
				Headers — Side Entry SMT (Shrouded)–RoHS Compliant					
5	2	2.0	7.9	455-1749-1-ND	6.19	55.41	244.44	261.00	S2B-PH-SM4-TB(LF)(SN)
	3	4.0	9.9	455-1750-1-ND	7.28	65.12	287.29	306.00	S3B-PH-SM4-TB(LF)(SN)
	4	6.0	11.9	455-1751-1-ND	8.40	75.17	331.63	354.00	S4B-PH-SM4-TB(LF)(SN)
	5	8.0	13.9	455-1752-1-ND	8.78	78.60	346.74	370.00	S5B-PH-SM4-TB(LF)(SN)
	6	10.0	15.9	455-1753-1-ND	10.50	93.90	414.28	442.00	S6B-PH-SM4-TB(LF)(SN)
	7	12.0	17.9	455-1754-1-ND	10.62	95.05	419.33	447.00	S7B-PH-SM4-TB(LF)(SN)
	8	14.0	19.9	455-1755-1-ND	11.39	101.90	449.57	480.00	S8B-PH-SM4-TB(LF)(SN)
	9	16.0	21.9	455-1756-1-ND	13.05	116.75	515.08	549.00	S9B-PH-SM4-TB(LF)(SN)
	10	18.0	23.9	455-1757-1-ND	15.05	134.69	594.23	634.00	S10B-PH-SM4-TB(LF)(SN)
	12	22.0	27.9	455-1758-1-ND	16.50	147.60	651.17	695.00	S12B-PH-SM4-TB(LF)(SN)
	13	24.0	29.9	455-1759-1-ND	17.24	154.22	680.40	726.00	S13B-PH-SM4-TB(LF)(SN)
	14	26.0	31.9	455-1760-1-ND	17.66	157.99	697.03	744.00	S14B-PH-SM4-TB(LF)(SN)
	15	28.0	33.9	455-1761-1-ND	18.08	161.76	713.66	761.00	S15B-PH-SM4-TB(LF)(SN)

Description	Digi-Key Part No.	Cut Tape Pricing 1	100	500	Tape & Reel* Size	Pricing	JST Part No.
		Contacts-Tin Plated					
30 ~ 24 AWG	455-1127-1-ND	—	3.43	15.11	8,000	16.00/M	SPH-002T-P0.5S
32 ~ 28 AWG	455-1318-1-ND	—	3.29	14.49	10,000	15.00/M	SPH-004T-P0.5S
		Crimp Tools					
30 ~ 24 AWG	455-1128-ND	367.01	—	—	—	—	WC-240
32 ~ 28 AWG	455-1236-ND	792.08	—	—	—	—	YRS-243

* For Tape and Reel part number, change 1-ND to 2-ND.

JST

PHD Series 2.0mm Connectors

Features: • This compact design meets the demand for high-density connection • The box contact supplies stable contact performance

Specifications: • Current Rating: 3A AC/DC • Voltage Rating: 250V AC/DC • Temperature Range: -25°C ~ 85°C • Applicable Wire: 28 ~ 22 AWG

Fig. 1

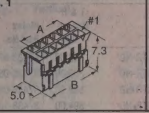


Fig. 2

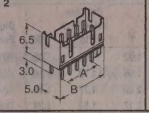


Fig. 3

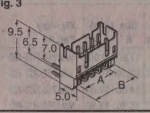


Fig.	Cir-cuits	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 10	100	500	JST Part No.
				Housing — Color Natural White				
1	10	8.0	11.9	455-1158-ND	2.14	17.87	71.46	PHDR-10VS
	12	10.0	13.9	455-1204-ND	2.18	18.20	72.80	PHDR-12VS
	14	12.0	15.9	455-1172-ND	2.21	18.43	73.70	PHDR-14VS
	16	14.0	17.9	455-1173-ND	2.37	19.71	78.85	PHDR-16VS
	18	16.0	19.9	455-1905-ND‡	2.39	19.94	79.74	PHDR-18VS
	20	18.0	21.9	455-1174-ND	2.42	20.16	80.64	PHDR-20VS
	22	20.0	23.9	455-1175-ND	4.19	34.95	139.78	PHDR-22VS
	24	22.0	25.9	455-1177-ND	4.23	35.23	140.90	PHDR-24VS
	26	24.0	27.9	455-117 8-ND	4.27	35.62	142.46	PHDR-26VS
	28	26.0	29.9	455-1171-ND	4.31	35.90	143.58	PHDR-28VS
	30	28.0	31.9	455-1180-ND	4.36	36.35	145.38	PHDR-30VS
	32	30.0	33.9	455-1179-ND	4.40	36.68	146.72	PHDR-32VS
	34	32.0	35.9	455-1182-ND	4.44	37.02	148.06	PHDR-34VS
				Headers — Color Natural Ivory				
				Top Entry (Shrouded)				
2	10	8.0	11.9	455-1331-ND	3.02	25.18	100.71	B10B-PHDSS
	14	12.0	15.9	455-1329-ND	4.18	34.85	139.38	B14B-PHDSS
	24	22.0	25.9	455-1345-ND	7.13	59.40	237.61	B24B-PHDSS
	28	26.0	29.9	455-1364-ND	7.76	64.68	258.71	B28B-PHDSS
	30	28.0	31.9	455-1363-ND	8.11	67.62	270.49	B30B-PHDSS
				Top Entry (Shrouded)–RoHS Compliant				
2	10	8.0	11.9	455-1762-ND	3.02	25.18	100.71	B10B-PHDSS(LF)(SN)
	12	10.0	13.9	455-1763-ND	3.53	29.42	117.67	B12B-PHDSS(LF)(SN)
	14	12.0	15.9	455-1764-ND	4.18	34.85	139.38	B14B-PHDSS(LF)(SN)
	16	14.0	17.9	455-1765-ND	4.51	37.62	150.48	B16B-PHDSS(LF)(SN)
	18	16.0	19.9	455-1766-ND	4.75	39.55	158.20	B18B-PHDSS(LF)(SN)
	20	18.0	21.9	455-1767-ND	5.16	42.96	171.85	B20B-PHDSS(LF)(SN)
	22	20.0	23.9	455-1768-ND	6.57	54.75	219.00	B22B-PHDSS(LF)(SN)
	24	22.0	25.9	455-1769-ND	7.13	59.40	237.61	B24B-PHDSS(LF)(SN)
	26	24.0	27.9	455-1770-ND	7.43	61.89	247.54	B26B-PHDSS(LF)(SN)
	28	26.0	29.9	455-1771-ND	7.76	64.68	258.71	B28B-PHDSS(LF)(SN)
	30	28.0	31.9	455-1772-ND	8.11	67.62	270.49	B30B-PHDSS(LF)(SN)
	32	30.0	33.9	455-1773-ND	8.45	70.42	281.66	B32B-PHDSS(LF)(SN)
	34	32.0	35.9	455-1774-ND	8.72	72.70	290.80	B34B-PHDSS(LF)(SN)
				Side Entry (Shrouded)				
3	18	16.0	19.9	455-1356-ND	5.23	43.58	174.33	S18B-PHDSS
	28	26.0	29.9	455-1351-ND	8.40	70.00	280.01	S28B-PHDSS
	30	28.0	31.9	455-1350-ND	8.90	74.19	296.76	S30B-PHDSS
	32	30.0	33.9	455-1349-ND	9.28	77.34	309.37	S32B-PHDSS
	34	32.0	35.9	455-1348-ND	9.63	80.29	321.15	S34B-PHDSS
				Side Entry (Shrouded) — RoHS Compliant				
3	10	8.0	11.9	455-1775-ND	3.29	27.45	109.81	S10B-PHDSS(LF)(SN)
	12	10.0	13.9	455-1776-ND	3.86	32.16	128.63	S12B-PHDSS(LF)(SN)
	14	12.0	15.9	455-1777-ND	4.57	38.05	152.20	S14B-PHDSS(LF)(SN)
	16	14.0	17.9	455-1778-ND	4.72	39.34	157.37	S16B-PHDSS(LF)(SN)
	18	16.0	19.9	455-1779-ND	5.23	43.58	174.33	S18B-PHDSS(LF)(SN)
	20	18.0	21.9	455-1780-ND	5.70	47.46	189.84	S20B-PHDSS(LF)(SN)
	22	20.0	23.9	455-1781-ND	7.16	59.66	238.65	S22B-PHDSS(LF)(SN)
	24	22.0	25.9	455-1782-ND	7.77	64.78	259.12	S24B-PHDSS(LF)(SN)
	26	24.0	27.9	455-1783-ND	8.14	67.83	271.32	S26B-PHDSS(LF)(SN)
	28	26.0	29.9	455-1784-ND	8.40	70.00	280.01	S28B-PHDSS(LF)(SN)
	30	28.0	31.9	455-1785-ND	8.90	74.19	296.76	S30B-PHDSS(LF)(SN)
	32	30.0	33.9	455-1786-ND	9.28	77.34	309.37	S32B-PHDSS(LF)(SN)
	34	32.0	35.9	455-1787-ND	9.63	80.29	321.15	S34B-PHDSS(LF)(SN)

‡ *RoHS Compliant*

Description	Digi-Key Part No.	CT Pricing 100	500	Digi-Key Part No.	T & R Pricing 8,000	JST Part No.
		Contacts-Tin Plated				
26 ~ 22 AWG	455-1325-1-ND	3.57	15.75	455-1325-2-ND	17.00/M	SPHD-001T-P0.5
28 ~ 24 AWG	455-1313-1-ND	3.57	15.75	455-1313-2-ND	17.00/M	SPHD-002T-P0.5
		Crimp Tools				
26 ~ 22 AWG Contacts	455-1238-ND	367.01/1		—	—	WC-610
28 ~ 24 AWG Contacts	455-1237-ND	792.08/1		—	—	YRS-620

EH Series 2.5mm Connectors

Features: • Compact and Slim: This connector is designed to be compact and unusually thin. It measures only 8.1mm (.319") high after mounting and is just 3.8mm (.150") wide. • Highly Reliable Contact: The contact has long dimples near the center that ensure continuity of low voltage and low current circuits at all times, even under conditions of vibration and abusive prying. • Polarizing Guides: The header and housing have guides to prevent improper mating. • Whisker Prevention: The contact material is treated with a reflow process, and the square post is copper-undercoated and tin/lead-plated for whisker prevention. • Easy and Effective Crimping: Although the contact is compact, it has a long wire strip length, 2.6 ± 0.4mm (.102" ± .016"). This long length is very useful for automatic crimping and when crimping shielded wires.

Specifications: • Current Rating: 3A AC/DC (22 AWG). • Voltage Rating: 250V AC/DC. • Temperature Range: -25°C ~ 85°C. • Applicable Wire: 32 ~ 22 AWG.

Material and Finish: • Contact: Phosphor bronze, tin-plated. • Housing: Nylon 66, UL94V-0, natural (white). • Posts for Headers: Brass, copper-undercoated, tin/lead plated. • Wafer: Nylon 66, UL94V-0, natural (white).

Applicable PC Board Thickness: • 0.8 ~ 1.6mm (.031" ~ .063").

Fig. 1

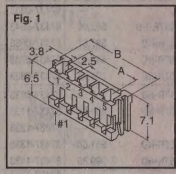


Fig. 2

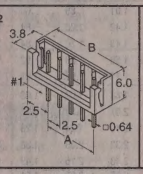


Fig. 3

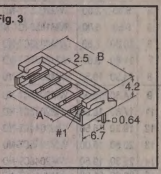


Fig.	Cir-cuits	Dimensions (mm) A	B	Digi-Key Part No.	Pricing 10	100	500	JST Part No.
				Disconnectable Crimp Style Female Receptacle Housing				
1	2	2.5	7.0	455-1000-ND	.38	3.16	12.63	EHR-2
	3	5.0	9.5	455-1001-ND	.42	3.50	13.98	EHR-3
	4	7.5	12.0	455-1002-ND	.43	3.56	14.25	EHR-4
	5	10.0	14.5	455-1003-ND	.48	3.97	15.86	EHR-5
	6	12.5	17.0	455-1004-ND	.52	4.30	17.20	EHR-6
	7	15.0	19.5	455-1005-ND	.60	4.97	19.89	EHR-7
	8	17.5	22.0	455-1006-ND	.62	5.18	20.70	EHR-8
	9	20.0	24.5	455-1007-ND	.89	7.39	29.57	EHR-9
	10	22.5	27.0	455-1008-ND	.94	7.80	31.18	EHR-10
	11	25.0	29.5	455-1009-ND	1.16	9.68	38.71	EHR-11
	12	27.5	32.0	455-1010-ND	1.40	11.69	46.77	EHR-12
	13	30.0	34.5	455-1011-ND	1.48	12.37	49.46	EHR-13
	14	32.5	37.0	455-1012-ND	1.89	15.73	62.90	EHR-14
	15	35.0	39.5	455-1013-ND	1.94	16.20	64.78	EHR-15
				Top Entry Shrouded Board-Mount Headers (Use with EH and HR Series Female Housing)				
2	6	12.5	17.5	455-1018-ND•	1.69	14.06	56.22	B6B-EH-A
	7	15.0	20.0	455-1019-ND•	1.92	15.96	63.84	B7B-EH-A
	8	17.5	22.5	455-1020-ND•	2.17	18.09	72.35	B8B-EH-A
	11	25.0	30.0	455-1023-ND•	3.10	25.82	103.26	B11B-EH-A
	12	27.5	32.5	455-1024-ND•	3.23	26.88	107.52	B12B-EH-A
	13	30.0	35.0	455-1025-ND•	3.82	31.87	127.46	B13B-EH-A
	14	32.5	37.5	455-1026-ND•	4.14	34.50	137.98	B14B-EH-A
	15	35.0	40.0	455-1027-ND•	4.37	36.40	145.60	B15B-EH-A
				Top Entry Shrouded Board-Mount Headers (Use with EH and HR Series Female Housing) — RoHS Compliant				
2	2	2.5	7.5	455-1611-ND•	.66	5.49	21.95	B2B-EH-A(LF)(SN)
	3	5.0	10.0	455-1612-ND•	.89	7.45	29.79	B3B-EH-A(LF)(SN)
	4	7.5	12.5	455-1613-ND•	1.18	9.80	39.20	B4B-EH-A(LF)(SN)
	5	10.0	15.0	455-1614-ND•	1.40	11.71	46.82	B5B-EH-A(LF)(SN)
	6	12.5	17.5	455-1615-ND•	1.69	14.06	56.22	B6B-EH-A(LF)(SN)
	7	15.0	20.0	455-1616-ND•	1.92	15.96	63.84	B7B-EH-A(LF)(SN)
	8	17.5	22.5	455-1617-ND•	2.17	18.09	72.35	B8B-EH-A(LF)(SN)
	9	20.0	25.0	455-1618-ND•	2.41	20.11	80.42	B9B-EH-A(LF)(SN)
	10	22.5	27.5	455-1619-ND•	2.81	23.41	93.63	B10B-EH-A(LF)(SN)
	11	25.0	30.0	455-1620-ND•	3.10	25.82	103.26	B11B-EH-A(LF)(SN)
	12	27.5	32.5	455-1621-ND•	3.23	26.88	107.52	B12B-EH-A(LF)(SN)
	13	30.0	35.0	455-1622-ND•	3.82	31.87	127.46	B13B-EH-A(LF)(SN)
	14	32.5	37.5	455-1623-ND•	4.14	34.50	137.98	B14B-EH-A(LF)(SN)
	15	35.0	40.0	455-1624-ND•	4.37	36.40	145.60	B15B-EH-A(LF)(SN)
				Side Entry Shrouded Board-Mount Headers (Use with EH and HR Series Female Housing)				
3	3	5.0	10.0	455-1029-ND	.94	7.84	31.36	S3B-EH
	5	10.0	15.0	455-1031-ND	1.46	12.15	48.61	S5B-EH
	7	15.0	20.0	455-1033-ND	2.15	17.92	71.68	S7B-EH
	9	20.0	25.0	455-1035-ND	2.69	22.40	89.60	S9B-EH
	13	30.0	35.0	455-1039-ND	4.79	39.93	159.71	S13B-EH
	14	32.5	37.5	455-1040-ND	5.09	42.45	169.79	S14B-EH
	15	35.0	40.0	455-1041-ND	5.48	45.70	182.78	S15B-EH
				Side Entry Shrouded Board-Mount Headers (Use with EH and HR Series Female Housing) — RoHS Compliant				
3	2	2.5	7.5	455-1625-ND	.79	6.55	26.21	S2B-EH(LF)(SN)
	3	5.0	10.0	455-1626-ND	.94	7.84	31.36	S3B-EH(LF)(SN)
	4	7.5	12.5	455-1627-ND	1.12	9.30	37.18	S4B-EH(LF)(SN)
	5	10.0	15.0	455-1628-ND	1.46	12.15	48.61	S5B-EH(LF)(SN)
	6	12.5	17.5	455-1629-ND	1.81	15.12	60.48	S6B-EH(LF)(SN)
	7	15.0	20.0	455-1630-ND	2.15	17.92	71.68	S7B-EH(LF)(SN)
	8	17.5	22.5	455-1631-ND	2.52	21.00	84.00	S8B-EH(LF)(SN)
	9	20.0	25.0	455-1632-ND	2.69	22.40	89.60	S9B-EH(LF)(SN)
	10	22.5	27.5	455-1633-ND	3.31	27.61	110.43	S10B-EH(LF)(SN)
	11	25.0	30.0	455-1634-ND	3.67	30.58	122.30	S11B-EH(LF)(SN)
	12	27.5	32.5	455-1635-ND	3.88	32.37	129.47	S12B-EH(LF)(SN)
	13	30.0	35.0	455-1636-ND	4.79	39.93	159.71	S13B-EH(LF)(SN)
	14	32.5	37.5	455-1637-ND	5.09	42.45	169.79	S14B-EH(LF)(SN)
	15	35.0	40.0	455-1638-ND	5.48	45.70	182.78	S15B-EH(LF)(SN)
Crimp Contact 30 ~ 22 AWG				455-1042-1-ND	—	3.14	13.86	SEH-001T-P0.6
Crimp Contact 30 ~ 22 AWG				455-1042-2-ND		135.00/9,000		SEH-001T-P0.6
Crimp Tool for 30 ~ 22 AWG Contacts				455-1043-ND		367.01/1		WC-260

• Not TUV approved

molex Waldom ELECTRONICS — 1.5mm PICO SPOX™ Connectors

Features: • 2-15 circuits • Standard with center polarizing ramp • Lead in chamfer facilitates mating **Electrical:** • Voltage: 250V • Current: 2.0A • Contact Resistance: 40mΩ maximum • Dielectric Withstanding Voltage: 500V • Insulation Resistance: 1000MΩ min. **Physical:** • Operating Temperature: -25°C ~ 85°C • Housing: Glass filled 6/6 nylon, UL 94V-0 • Headers: Color beige glass filled 4/6 nylon, UL 94V-0 • Contact: Brass Alloy • Plating: Tin over 1.27µm min. Nickel

Fig. 1

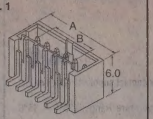


Fig. 2

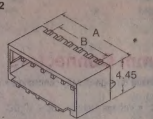
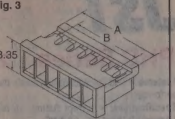


Fig. 3



Ckt	Dim. (mm) A	Dim. (mm) B	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 1,000	Molex Part No.
Fig. 1 — Header - Vertical									
3	5.80	3.00	WM2035CT-ND	1.01	.89	.60	—	—	87437-0333
5	8.80	6.00	WM18584CT-ND	1.42	1.25	.84	WM18584TR-ND	583.00	87437-0543
6	10.30	7.50	WM2038CT-ND	1.43	1.26	.84	WM2038TR-ND	587.67	87437-0633
7	11.80	9.00	WM2039CT-ND	1.56	1.38	.92	WM2039TR-ND	641.73	87437-0733
8	13.30	10.50	WM2040CT-ND	1.71	1.51	1.01	WM2040TR-ND	704.71	87437-0833
9	14.80	12.00	WM2041CT-ND	1.83	1.62	1.08	WM2041TR-ND	752.57	87437-0933
11	17.80	15.00	WM2043CT-ND	2.07	1.83	1.22	WM2043TR-ND	850.89	87437-1133
12	19.30	16.50	WM2044CT-ND	2.19	1.94	1.29	—	—	87437-1233
13	20.80	18.00	WM2045CT-ND	2.33	2.06	1.38	WM2045TR-ND	961.08	87437-1333
14	22.30	19.50	WM2046CT-ND	2.43	2.15	1.43	WM2046TR-ND	999.85	87437-1433
15	23.80	21.00	WM2047CT-ND	2.55	2.26	1.51	—	—	87437-1533
Fig. 1 — Header - Vertical — RoHS Compliant									
2	4.30	1.50	WM7662CT-ND	.87	.77	.52	WM7662TR-ND	358.94	87437-0243
3	5.80	3.00	WM7663CT-ND	1.01	.89	.60	WM7623TR-ND	774.00	87437-0343
4	7.30	4.50	WM7664CT-ND	1.15	1.02	.88	WM7664TR-ND	473.22	87437-0443
6	10.30	7.50	WM7665CT-ND	1.43	1.26	.84	WM7665TR-ND	587.67	87437-0643
7	11.80	9.00	WM7666CT-ND	1.56	1.38	.92	WM7666TR-ND	641.64	87437-0743
8	13.30	10.50	WM7667CT-ND	1.71	1.51	1.01	WM7667TR-ND	704.71	87437-0843
9	14.80	12.00	WM7668CT-ND	1.83	1.62	1.08	WM7668TR-ND	752.57	87437-0943
10	16.30	13.50	WM7669CT-ND	1.95	1.73	1.15	WM7669TR-ND	803.22	87437-1043
11	17.80	15.00	WM7670CT-ND	2.07	1.83	1.22	WM7670TR-ND	850.89	87437-1143
12	19.30	16.50	WM7671CT-ND	2.19	1.94	1.29	WM7671TR-ND	901.53	87437-1243
13	20.80	18.00	WM7672CT-ND	2.33	2.06	1.38	WM7672TR-ND	961.08	87437-1343
14	22.30	19.50	WM7673CT-ND	2.43	2.15	1.43	WM7673TR-ND	999.85	87437-1443
15	23.80	21.00	WM7674CT-ND	2.55	2.26	1.51	WM7674TR-ND	1050.30	87437-1543
Fig. 2 — Header - Right Angle — RoHS Compliant									
2	4.30	1.50	WM7646CT-ND	.93	.83	.55	WM7646TR-ND	384.00	87438-0243
3	5.80	3.00	WM7647CT-ND	1.17	1.04	.70	WM7647TR-ND	483.00	87438-0343
4	7.30	4.50	WM7648CT-ND	1.32	1.17	.78	WM7648TR-ND	542.00	87438-0443
5	8.80	6.00	WM7649CT-ND	1.34	1.19	.80	WM7649TR-ND	554.00	87438-0543
6	10.30	7.50	WM7650CT-ND	1.54	1.37	.91	WM7650TR-ND	635.00	87438-0643
7	11.80	9.00	WM7651CT-ND	1.82	1.61	1.08	WM7651TR-ND	750.00	87438-0743
8	13.30	10.50	WM7652CT-ND	1.96	1.73	1.16	WM7652TR-ND	805.00	87438-0843
9	14.80	12.00	WM7653CT-ND	2.00	1.77	1.18	WM7653TR-ND	823.00	87438-0943
10	16.30	13.50	WM7654CT-ND	2.17	1.92	1.28	WM7654TR-ND	894.00	87438-1043
11	17.80	15.00	WM7655CT-ND	2.34	2.07	1.38	WM7655TR-ND	963.00	87438-1143
12	19.30	16.50	WM7656CT-ND	2.51	2.22	1.48	WM7656TR-ND	1034.00	87438-1243
13	20.80	18.00	WM7657CT-ND	2.68	2.37	1.58	WM7657TR-ND	1104.00	87438-1343
14	22.30	19.50	WM7658CT-ND	2.85	2.52	1.68	WM7658TR-ND	1174.00	87438-1443
15	23.80	21.00	WM7659CT-ND	3.02	2.67	1.78	WM7659TR-ND	1244.00	87438-1543

Ckt	Dimensions (mm) A	Dimensions (mm) B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Fig. 3 — Housing							
2	4.10	1.50	WM2086-ND	.28	.26	.17	87439-0200
3	5.60	3.00	WM2087-ND	.31	.27	.18	87439-0300
4	7.10	4.50	WM2088-ND	.33	.29	.20	87439-0400
5	8.60	6.00	WM2089-ND	.36	.32	.22	87439-0500
6	10.10	7.50	WM2090-ND	.39	.35	.24	87439-0600
7	11.60	9.00	WM2091-ND	.43	.39	.26	87439-0700
8	13.10	10.50	WM2092-ND	.45	.40	.27	87439-0800
9	14.60	12.00	WM2093-ND	.46	.41	.28	87439-0900
10	16.10	13.50	WM2094-ND	.47	.42	.28	87439-1000
11	17.60	15.00	WM2095-ND	.48	.43	.29	87439-1100
12	19.10	16.50	WM2096-ND	.51	.46	.31	87439-1200
13	20.60	18.00	WM2097-ND	.52	.46	.31	87439-1300
14	22.10	19.50	WM2098-ND	.53	.48	.32	87439-1400
15	23.60	21.00	WM2099-ND	.55	.49	.33	87439-1500

Description	Digi-Key Part No.	Pricing 10	100	Molex Part No.
Crimp Terminal 24-28 AWG	WM1112-ND	.56	4.45	87421-0000
Hand Crimp Tool	WM9968-ND	214.65/1		63811-3600
Manual Wire Stripper	WM9969-ND	95.16/1		63817-0000
Blade Replacement Straight	WM9970-ND	37.22/1		63817-0070
Blade Replacement V	WM9971-ND	37.22/1		63817-0071

2mm Sherlock™ Connectors

Features:

• Positive locking provides secure mating retention • Four-wall shroud with guide plate protects pins and facilitates mating • Compact low-profile design for space savings • Polarizing end walls prevent mismating

Electrical:

• Voltage: 125V • Current: 2.0A • Contact Resistance: 20mΩ maximum • Dielectric Withstanding Voltage: 500V • Insulation Resistance: 1000MΩ minimum

Physical:

• Housing: Polyamide, UL 94V-0 • Housing Contact: Brass • Plating: Tin • Operating Temperature: -40°C ~ 105°C • UL File No.: E29179 • CSA File No.: LR19980

Fig. 1

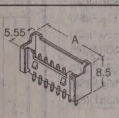


Fig. 2

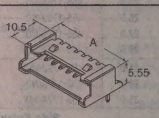


Fig. 3

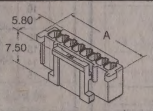


Fig. 4

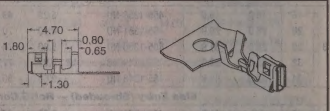


Fig.	Ckt	Dimension (mm) A	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Header - Vertical							
1	2	7.70	WM18920-ND*	.41	.37	.25	35362-0250
	3	9.70	WM18921-ND*	.49	.43	.29	35362-0350
	4	10.30	WM18922-ND*	.53	.47	.32	35362-0450
	5	12.30	WM18923-ND*	.63	.56	.38	35362-0550
	6	14.30	WM18924-ND*	.74	.66	.44	35362-0650
	7	16.30	WM18925-ND*	.76	.67	.45	35362-0750
	8	18.30	WM18926-ND*	.95	.84	.56	35362-0850
	9	20.30	WM18927-ND*	1.01	.90	.60	35362-0950
	10	22.30	WM18928-ND*	1.12	.99	.67	35362-1050
	11	24.30	WM18929-ND*	1.16	1.03	.69	35362-1150
	12	26.30	WM18930-ND*	1.13	1.00	.67	35362-1250
Header - Right Angle							
2	2	7.70	WM18931-ND*	.50	.44	.30	35363-0260
	3	9.70	WM18932-ND*	.54	.48	.32	35363-0360
	4	10.30	WM18933-ND*	.58	.52	.35	35363-0460
	5	12.30	WM18934-ND*	.72	.64	.43	35363-0560
	6	14.30	WM18935-ND*	.73	.65	.44	35363-0660
	7	16.30	WM18936-ND*	.83	.73	.49	35363-0760
	8	18.30	WM18937-ND*	.93	.82	.55	35363-0860
	9	20.30	WM18938-ND*	1.04	.92	.62	35363-0960
	10	22.30	WM6046-ND	1.13	1.00	.67	35363-1010
	10	22.30	WM18939-ND*	1.08	.96	.64	35363-1060
	11	24.30	WM18940-ND*	1.15	1.02	.68	35363-1160
	12	26.30	WM6048-ND	1.25	1.11	.74	35363-1210
	12	26.30	WM18941-ND*	1.19	1.06	.71	35363-1260
Crimp Housing							
3	2	7.20	WM5981-ND	.25	.22	.15	35507-0200
	3	9.20	WM5982-ND	.28	.25	.17	35507-0300
	4	10.30	WM5983-ND	.31	.27	.18	35507-0400
	5	12.30	WM5984-ND	.33	.30	.20	35507-0500
	6	14.30	WM5985-ND	.36	.32	.21	35507-0600
	7	16.30	WM5986-ND	.38	.34	.23	35507-0700
	8	18.30	WM5987-ND	.41	.37	.25	35507-0800
	9	20.30	WM5988-ND	.43	.38	.26	35507-0900
	10	22.30	WM5989-ND	.44	.39	.26	35507-1000
	11	24.30	WM5990-ND	.46	.41	.27	35507-1100
	12	26.30	WM5991-ND	.48	.43	.29	35507-1200
4	Crimp Terminal, 24-30 AWG Contact: Phosphor Bronze Plating: Tin		WM6050-ND	—	.08	.06	50212-8100
—	Crimp Tool, 24-30 AWG		WM9973-ND	214.65	—	—	63811-1200

** RoHS Compliant*

molex Waldom ELECTRONICS

2mm Milli-Grid™ Connectors

HEADERS: Electrical: • Current: 2.0A • Dielectric Withstanding Voltage: 500V (Shrouded Vertical, SMT, and Right Angle: 1000V) • Insulation Resistance: 1000MΩ minimum **Physical:** • Housing: 4/6 nylon, UL 94V-0 (Right Angle: Black glass-filled polyester, UL 94V-0) • Contact: Phosphor Bronze • Plating: 15µ" Select Gold • Temperature: -55°C – 105°C

RECEPTACLE: Electrical: • Voltage: 125V • Current: 1.0A • Contact Resistance: 25mΩ maximum (Side Entry, Side Entry SMT, and Top/Bottom Entry: 15mΩ maximum) • Dielectric Withstanding Voltage: 500VAC (Top/Bottom Entry: 1000V) • Insulation Resistance: 1000MΩ minimum **Physical:** • Housing: Black glass-filled polyester, UL 94V-0 (Top/Bottom Entry: Black LCP, UL 94V-0, Side Entry and Side Entry SMT: Black nylon, UL 94V-0) • Contact: Phosphor Bronze • Plating: 15µ" Select Gold • Temperature: -55°C – 105°C

CRIMP TERMINAL: Electrical: • Voltage: 125V • Current: **26AWG:** 1.5A, **28AWG:** 1.0A, and **30AWG:** 0.5A • Contact Resistance: 40mΩ maximum **Physical:** • Contact: Phosphor Bronze • Plating: 15µ" Select Gold • Temperature: -40°C – 105°C • Wire Range: 24-30AWG • Insulation Range: 1.40mm diameter maximum

CRIMP HOUSING: Physical: • Housing: Black glass-filled polyester, UL 94V-0 • Temperature: -55°C – 105°C

Fig. 1 – Vertical

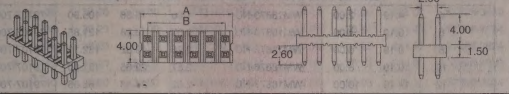


Fig. 2 – Right Angle

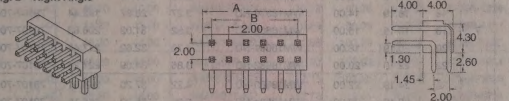


Fig. 3 – Shrouded Vertical

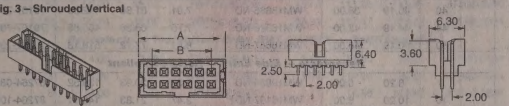


Fig. 4 – Shrouded Right Angle

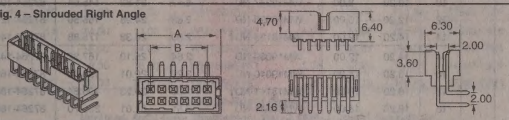


Fig. 5 – Shrouded SMT

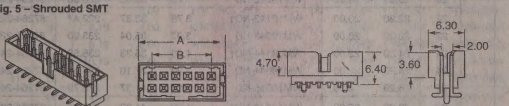


Fig. 6 – Vertical SMT

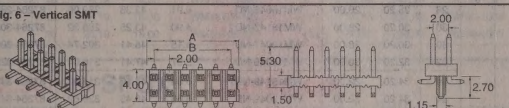


Fig. 7 – Vertical, Dual Row Through-Hole

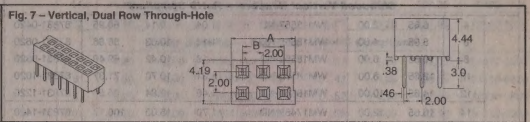


Fig. 8 – Side Entry

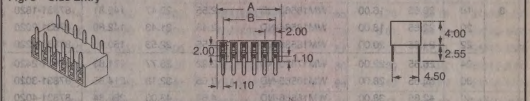


Fig. 9 – Side Entry SMT

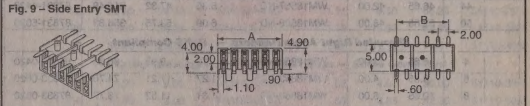


Fig. 10 – Top/Bottom Entry SMT (VLPR2)

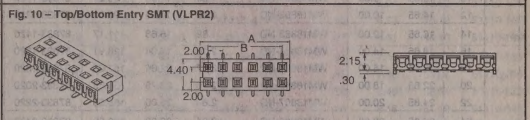


Fig. 11 – Vertical, Dual Row Top/Bottom Entry, SMT

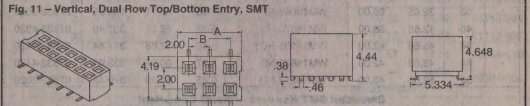


Fig. 12 – Crimp Housing

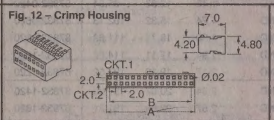


Fig. 13 – Crimp Terminal

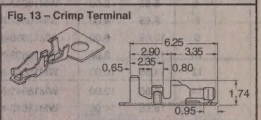


Fig.	Circuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
				Vertical Headers — RoHS Compliant				
	4	3.90	2.00	WM18833-ND	.66	5.82	38.82	87758-0416
	6	5.90	4.00	WM18834-ND	.89	7.84	52.26	87758-0616
	8	7.90	6.00	WM18835-ND	1.02	9.00	59.97	87758-0816
	10	9.90	8.00	WM18836-ND	1.14	10.04	66.97	87758-1016
	12	11.90	10.00	WM18837-ND	1.37	12.13	80.88	87758-1216
	14	13.90	12.00	WM18838-ND	1.43	12.63	84.19	87758-1416
	16	15.90	14.00	WM18839-ND	1.52	13.45	89.65	87758-1616
	18	17.90	16.00	WM18840-ND	1.72	15.15	100.99	87758-1816
	20	19.90	18.00	WM18841-ND	2.02	17.84	118.91	87758-2016
	22	21.90	20.00	WM18842-ND	2.23	19.68	131.18	87758-2216
	24	23.90	22.00	WM18843-ND	2.30	20.33	135.52	87758-2416
†	26	25.90	24.00	WM18844-ND	2.93	25.82	172.15	87758-2616
	28	27.90	26.00	WM18845-ND	2.64	23.25	155.03	87758-2816
	30	29.90	28.00	WM18846-ND	2.88	25.39	169.26	87758-3016
	32	31.90	30.00	WM18847-ND	2.77	24.45	162.98	87758-3216
	34	33.90	32.00	WM18848-ND	2.83	24.96	166.42	87758-3416
	36	35.90	34.00	WM18849-ND	3.00	26.49	176.62	87758-3616
	38	37.90	36.00	WM18850-ND	3.17	27.99	186.61	87758-3816
	40	39.90	38.00	WM18851-ND	3.31	29.22	194.78	87758-4016
	42	41.90	40.00	WM18852-ND	3.49	30.81	205.38	87758-4216
	44	43.90	42.00	WM18853-ND	3.87	34.12	227.45	87758-4416
	46	45.90	44.00	WM18854-ND	3.81	33.63	224.19	87758-4616
	48	47.90	46.00	WM18855-ND	3.97	35.06	233.73	87758-4816
	50	49.90	48.00	WM18856-ND	3.95	34.83	232.17	87758-5016

Fig.	Circuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
				Right Angle Headers — RoHS Compliant				
	4	4.00	2.00	WM18612-ND	.69	6.07	40.44	87760-0416
	6	6.00	4.00	WM18613-ND	.73	6.44	42.93	87760-0616
	8	8.00	6.00	WM18614-ND	.93	8.20	54.70	87760-0816
	10	10.00	8.00	WM18615-ND	1.31	11.56	77.06	87760-1016
	12	12.00	10.00	WM18616-ND	1.41	12.43	82.84	87760-1216
	14	14.00	12.00	WM18617-ND	1.48	13.08	87.19	87760-1416
	16	16.00	14.00	WM18618-ND	1.52	13.45	89.65	87760-1616
	18	18.00	16.00	WM18619-ND	1.76	15.54	103.59	87760-1816
	20	20.00	18.00	WM18620-ND	1.82	16.09	107.25	87760-2016
2	22	22.00	20.00	WM18621-ND	2.14	18.90	126.01	87760-2216
	24	24.00	22.00	WM18622-ND	2.11	18.58	123.86	87760-2416
	26	26.00	24.00	WM18623-ND	2.51	22.17	147.79	87760-2616
	28	28.00	26.00	WM18624-ND	2.71	23.92	159.45	87760-2816
	30	30.00	28.00	WM18625-ND	2.90	25.57	170.45	87760-3016
	32	32.00	30.00	WM18626-ND	2.82	24.89	165.92	87760-3216
	34	34.00	32.00	WM18627-ND	3.08	27.20	181.37	87760-3416
	36	36.00	34.00	WM18628-ND	3.15	27.77	185.16	87760-3616
	38	38.00	36.00	WM18629-ND	3.31	29.17	194.46	87760-3816
	40	40.00	38.00	WM18630-ND	3.38	29.80	198.67	87760-4016
	42	42.00	40.00	WM18631-ND	3.36	29.67	197.77	87760-4216

† = Leaded *CT = Cut Tape ‡TR = Tape and Reel

(Continued)

Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
2	44	44.00	42.00	WM18632-ND	3.44	30.38	202.51	87760-4416
	46	46.00	44.00	WM18633-ND	3.59	31.68	211.21	87760-4616
	48	48.00	46.00	WM18634-ND	3.67	32.35	215.68	87760-4816
	50	50.00	48.00	WM18635-ND	3.22	28.38	189.21	87760-5016
Shrouded Vertical Headers — RoHS Compliant								
3	4	6.65	2.00	WM18557-ND	1.04	9.14	60.95	87831-0420
	6	8.65	4.00	WM18558-ND	1.14	10.03	66.86	87831-0620
	8	10.65	6.00	WM18559-ND	1.18	10.42	69.46	87831-0820
	10	12.65	8.00	WM18560-ND	1.21	10.70	71.37	87831-1020
	12	14.65	10.00	WM18561-ND	1.46	12.84	85.60	87831-1220
	14	16.65	12.00	WM17469-ND	1.70	15.03	100.17	87831-1420
	16	18.65	14.00	WM18562-ND	1.83	16.16	107.75	87831-1620
	18	20.65	16.00	WM18563-ND	2.55	22.47	149.81	87831-1820
	20	22.65	18.00	WM18564-ND	2.43	21.43	142.89	87831-2020
	22	24.65	20.00	WM18586-ND	2.55	22.53	150.20	87831-2220
	24	26.65	22.00	WM17470-ND	2.92	25.77	171.83	87831-2420
	30	32.65	28.00	WM18565-ND	3.65	32.18	214.55	87831-3020
	40	42.65	38.00	WM18566-ND	4.88	43.03	286.84	87831-4020
	44	46.65	42.00	WM18567-ND	5.36	47.32	315.48	87831-4420
	50	52.65	48.00	WM18568-ND	6.09	53.75	358.33	87831-5020
Shrouded Right Angle Headers — RoHS Compliant								
4	4	6.65	2.00	WM18858-ND	1.13	9.95	66.36	87833-0420
	6	8.65	4.00	WM18859-ND	1.27	11.21	74.70	87833-0620
	8	10.65	6.00	WM18860-ND	1.31	11.52	76.77	87833-0820
	10	12.65	8.00	WM18861-ND	1.35	11.88	79.21	87833-1020
	12	14.65	10.00	WM18862-ND	1.62	14.25	95.00	87833-1220
	14	16.65	12.00	WM18863-ND	1.89	16.68	111.17	87833-1420
	16	18.65	14.00	WM18864-ND	2.16	19.04	126.91	87833-1620
	18	20.65	16.00	WM18865-ND	2.57	22.66	151.08	87833-1820
	20	22.65	18.00	WM18866-ND	2.70	23.78	158.55	87833-2020
	22	24.65	20.00	WM18867-ND	2.83	25.00	166.66	87833-2220
	24	26.65	22.00	WM18868-ND	3.24	28.59	190.59	87833-2420
	30	32.65	28.00	WM18869-ND	4.05	35.71	238.05	87833-3020
	40	42.65	38.00	WM18870-ND	5.23	46.11	307.40	87833-4020
	44	46.65	42.00	WM18101-ND†	5.40	47.68	317.84	87833-4420
	44	46.65	42.00	WM18871-ND	5.67	50.05	333.64	87833-4420
	50	52.65	48.00	WM18872-ND	6.45	56.92	379.45	87833-5020
Shrouded SMT Headers — RoHS Compliant								
5	4	6.65	2.00	WM18636-ND	1.45	12.83	85.54	87832-0420
	6	8.65	4.00	WM18637-ND	1.74	15.32	102.13	87832-0620
	8	10.65	6.00	WM18638-ND	1.90	16.74	111.62	87832-0820
	10	12.65	8.00	WM18639-ND	1.94	17.11	114.06	87832-1020
	12	14.65	10.00	WM18640-ND	2.17	19.13	127.52	87832-1220
	14	16.65	12.00	WM18641-ND	2.34	20.67	137.80	87832-1420
	16	18.65	14.00	WM18642-ND	2.57	22.68	151.21	87832-1620
	18	20.65	16.00	WM18643-ND	3.05	26.87	179.14	87832-1820
	20	22.65	18.00	WM18644-ND	2.95	26.01	173.42	87832-2020
	22	24.65	20.00	WM18645-ND	3.56	31.43	209.56	87832-2220
	24	26.65	22.00	WM18646-ND	3.62	31.94	212.90	87832-2420
	30	32.65	28.00	WM18647-ND	4.33	38.18	254.51	87832-3020
	40	42.65	38.00	WM18648-ND	5.41	47.73	318.21	87832-4020
	44	46.65	42.00	WM18649-ND	5.95	52.49	349.93	87832-4420
	50	52.65	48.00	WM18650-ND	6.76	59.68	397.87	87832-5020
Vertical SMT Headers — RoHS Compliant								
6	4	3.90	2.00	WM18712-ND	.93	8.18	54.56	87759-0414
	6	5.90	4.00	WM18713-ND	1.27	11.24	74.94	87759-0614
	8	7.90	6.00	WM18651-ND	2.39	21.11	140.74	87759-0850
	10	9.90	8.00	WM18652-ND	1.94	17.08	113.87	87759-1050
	12	11.90	10.00	WM18653-ND	2.15	18.98	126.51	87759-1250
	14	13.90	12.00	WM18654-ND	2.31	20.37	135.79	87759-1450
	16	15.90	14.00	WM18655-ND	2.52	22.27	148.45	87759-1650
	18	17.90	16.00	WM18656-ND	2.71	23.89	159.24	87759-1850
	20	19.90	18.00	WM18657-ND	2.87	25.32	168.81	87759-2050
	22	21.90	20.00	WM18658-ND	3.16	27.92	186.16	87759-2250
	24	23.90	22.00	WM18659-ND	3.44	30.33	202.20	87759-2450
	26	25.90	24.00	WM18660-ND	3.73	32.88	219.21	87759-2650
	28	27.90	26.00	WM18661-ND†	4.01	35.41	236.09	87759-2850
	30	29.90	28.00	WM18662-ND	4.09	36.06	240.38	87759-3050
	32	31.90	30.00	WM18663-ND	4.36	38.45	256.34	87759-3250
	34	33.90	32.00	WM18664-ND	4.63	40.86	272.37	87759-3450
	36	35.90	34.00	WM18665-ND	4.90	43.26	288.37	87759-3650
	38	37.90	36.00	WM18666-ND	5.22	46.09	307.30	87759-3850
	40	39.90	38.00	WM18667-ND	11.12	98.16	654.39	87759-4050
	42	41.90	40.00	WM18668-ND	5.42	47.82	318.80	87759-4250

Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
6	44	43.90	42.00	WM18669-ND	5.67	50.07	333.82	87759-4450
	46	45.90	44.00	WM18670-ND	4.64	40.91	272.74	87759-4650
	48	47.90	46.00	WM18671-ND	4.91	43.32	288.82	87759-4850
	50	49.90	48.00	WM18672-ND	6.44	56.86	379.08	87759-5050
Board-to-Board Receptacle Vertical, Dual Row Through-Hole — RoHS Compliant								
7	4	4.19	2.00	WM18673-ND	1.80	15.88	105.90	79107-7001
	6	6.19	4.00	WM18674-ND	2.07	18.28	121.85	79107-7002
	8	8.19	6.00	WM18675-ND	2.25	19.82	132.13	79107-7003
	10	10.19	8.00	WM18676-ND	2.57	22.65	151.00	79107-7004
	12	12.19	10.00	WM18677-ND	2.82	24.88	165.86	79107-7005
	14	14.19	12.00	WM18678-ND	3.00	26.49	176.57	79107-7006
	16	16.19	14.00	WM18679-ND	3.27	28.87	192.44	79107-7007
	18	18.19	16.00	WM18680-ND	3.52	31.02	206.83	79107-7008
	20	20.19	18.00	WM18681-ND	3.70	32.62	217.46	79107-7009
	22	22.19	20.00	WM18682-ND	3.86	34.09	227.24	79107-7010
	24	24.19	22.00	WM18683-ND	4.22	37.20	248.01	79107-7011
	30	30.19	28.00	WM18684-ND	6.26	55.22	368.11	79107-7014
	40	40.19	38.00	WM18685-ND	7.01	61.88	412.55	79107-7019
	44	44.19	42.00	WM18686-ND	7.75	68.38	455.88	79107-7021
	50	50.19	48.00	WM18687-ND	8.81	77.72	518.13	79107-7024
Receptacle — Side Entry — RoHS Compliant								
8	8	8.20	6.00	WM19036-ND	2.37	20.93	139.52	87264-0852
	10	10.20	8.00	WM18137-ND†	2.47	21.83	145.51	87264-1050
	10	10.20	8.00	WM19037-ND	2.47	21.83	145.54	87264-1052
	12	12.20	10.00	WM19038-ND	2.83	24.98	166.50	87264-1252
	14	14.20	12.00	WM18139-ND†	2.99	26.38	175.88	87264-1450
	14	14.20	12.00	WM19039-ND	2.84	25.10	167.32	87264-1452
	16	16.20	14.00	WM19040-ND	3.29	29.01	193.42	87264-1652
	18	18.20	16.00	WM18141-ND†	3.35	29.53	196.84	87264-1850
	18	18.20	16.00	WM19041-ND	3.51	31.01	206.70	87264-1852
	20	20.20	18.00	WM19042-ND	3.75	33.06	220.38	87264-2052
	22	22.20	20.00	WM18143-ND†	3.78	33.37	222.47	87264-2250
	22	22.20	20.00	WM19043-ND	3.97	35.04	233.60	87264-2252
	24	24.20	22.00	WM18144-ND†	4.00	35.33	235.56	87264-2450
	24	24.20	22.00	WM19044-ND	4.20	37.10	247.33	87264-2452
	26	26.20	24.00	WM19045-ND	4.69	41.37	275.79	87264-2652
	28	28.20	26.00	WM18146-ND†	4.68	41.30	275.31	87264-2850
	28	28.20	26.00	WM19046-ND	4.91	43.36	289.06	87264-2852
	30	30.20	28.00	WM18147-ND†	4.90	43.25	288.32	87264-3050
	30	30.20	28.00	WM19047-ND	5.15	45.41	302.74	87264-3052
	32	32.20	30.00	WM19048-ND	5.37	47.41	316.04	87264-3252
	34	34.20	32.00	WM18149-ND†	5.34	47.10	314.00	87264-3450
	34	34.20	32.00	WM19049-ND	5.60	49.45	329.69	87264-3452
	36	36.20	34.00	WM19050-ND	5.83	51.44	342.96	87264-3652
	38	38.20	36.00	WM18151-ND†	5.77	50.95	339.68	87264-3850
	38	38.20	36.00	WM19051-ND	6.06	53.50	356.66	87264-3852
	40	40.20	38.00	WM19052-ND	6.29	55.49	369.91	87264-4052
	42	42.20	40.00	WM18153-ND†	6.20	54.74	364.96	87264-4250
	42	42.20	40.00	WM19053-ND	6.51	57.48	383.19	87264-4252
	44	44.20	42.00	WM19054-ND	6.72	59.29	395.28	87264-4452
	46	46.20	44.00	WM18155-ND†	6.69	58.99	393.29	87264-4650
	46	46.20	44.00	WM19055-ND	7.02	61.95	412.98	87264-4652
	48	48.20	46.00	WM18156-ND†	6.86	60.53	403.52	87264-4850
	48	48.20	46.00	WM19056-ND	7.20	63.56	423.71	87264-4852
	50	50.20	48.00	WM19057-ND	7.34	64.79	431.95	87264-5052
Receptacle — Side Entry SMT — RoHS Compliant								
9	10	10.20	8.00	WM19058-ND	4.02	35.46	236.41	87368-1024
	12	12.20	10.00	WM19059-ND	4.82	42.56	283.74	87368-1224
	14	14.20	12.00	WM18182-ND†	4.84	42.72	284.80	87368-1420
	14	14.20	12.00	WM19060-ND	5.08	44.85	299.03	87368-1424
	16	16.20	14.00	WM19061-ND	5.32	46.91	312.73	87368-1624
	18	18.20	16.00	WM18184-ND†	5.36	47.25	315.01	87368-1820
	18	18.20	16.00	WM19062-ND	5.62	49.61	330.75	87368-1824
	20	20.20	18.00	WM19063-ND	5.76	50.82	338.80	87368-2024
	22	22.20	20.00	WM18186-ND†	5.57	49.15	327.67	87368-2220
	22	22.20	20.00	WM19064-ND	5.85	51.61	344.05	87368-2224
	24	24.20	22.00	WM18187-ND†	6.08	53.68	357.88	87368-2420
	24	24.20	22.00	WM19065-ND	6.39	56.37	375.77	87368-2424
	26	26.20	24.00	WM18188-ND†	6.36	56.15	374.31	87368-2620
	26	26.20	24.00	WM19066-ND	6.68	58.95	393.02	87368-2624
	28	28.20	26.00	WM18189-ND†	6.49	57.30	382.00	87368-2820

† = Leaded *CT = Cut Tape ‡TR = Tape and Reel

(Continued

Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
	28	28.20	26.00	WM19067-ND	6.82	60.17	401.11	87368-2824
	30	30.20	28.00	WM18190-ND†	6.82	60.17	401.16	87368-3020
	30	30.20	28.00	WM19068-ND	7.16	63.18	421.22	87368-3024
	32	32.20	30.00	WM19069-ND	7.52	66.32	442.15	87368-3224
	34	34.20	32.00	WM18192-ND†	7.79	68.77	458.45	87368-3420
	34	34.20	32.00	WM19070-ND	8.18	72.21	481.37	87368-3424
	36	36.20	34.00	WM18193-ND†	8.44	74.50	496.66	87368-3620
	36	36.20	34.00	WM19071-ND	8.87	78.22	521.49	87368-3624
	38	38.20	36.00	WM19072-ND	9.55	84.23	561.51	87368-3824
9	40	40.20	38.00	WM18195-ND†	9.09	80.23	534.85	87368-4020
	40	40.20	38.00	WM19073-ND	9.55	84.23	561.51	87368-4024
	42	42.20	40.00	WM18196-ND†	9.74	85.97	573.12	87368-4220
	42	42.20	40.00	WM19074-ND	10.23	90.26	601.76	87368-4224
	44	44.20	42.00	WM19075-ND	10.89	96.09	640.59	87368-4424
	46	46.20	44.00	WM18198-ND†	11.65	102.79	685.29	87368-4620
	46	46.20	44.00	WM19076-ND	12.23	107.93	719.56	87368-4624
	48	48.20	46.00	WM18199-ND†	12.15	107.25	715.00	87368-4820
	48	48.20	46.00	WM19077-ND	12.76	112.61	750.75	87368-4824
	50	50.20	48.00	WM18200-ND†	12.68	111.88	745.84	87368-5020
	50	50.20	48.00	WM19078-ND	13.31	117.47	783.13	87368-5024
		Receptacle — Top/Bottom Entry SMT (VLPR2) — RoHS Compliant						
	4	4.00	2.00	WM18688-ND	1.25	11.00	73.35	87340-0424
	6	6.00	4.00	WM18689-ND	1.69	14.90	99.35	87340-0624
	8	8.00	6.00	WM18690-ND	2.11	18.58	123.89	87340-0824
	10	10.00	8.00	WM18691-ND	2.71	23.91	159.40	87340-1024
10	12	12.00	10.00	WM18692-ND	3.25	28.68	191.23	87340-1224
	14	14.00	12.00	WM18693-ND	4.50	39.68	264.55	87340-1424
	16	16.00	14.00	WM18694-ND	4.93	43.51	290.07	87340-1624
	18	18.00	16.00	WM18695-ND	5.35	47.22	314.77	87340-1824
	20	20.00	18.00	WM18696-ND	5.80	51.15	340.98	87340-2024
		Board-to-Board Receptacle						
		Vertical, Dual Row Top/Bottom Entry SMT — RoHS Compliant						
	4	4.19	2.00	WM18697-ND	2.00	17.64	117.63	79109-1001
	6	6.19	4.00	WM18698-ND	2.27	20.05	133.67	79109-1002
	8	8.19	6.00	WM18699-ND	2.54	22.45	149.70	79109-1003
	10	10.19	8.00	WM18700-ND	2.82	24.90	166.02	79109-1004
11	12	12.19	10.00	WM18701-ND	3.18	28.03	186.85	79109-1005
	14	14.19	12.00	WM18702-ND	3.30	29.09	193.90	79109-1006
	16	16.19	14.00	WM18703-ND	3.59	31.68	211.23	79109-1007
	18	18.19	16.00	WM18704-ND	3.87	34.15	227.69	79109-1008
	20	20.19	18.00	WM18705-ND	4.06	35.83	238.90	79109-1009

Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
	22	22.19	20.00	WM18706-ND	4.25	37.46	249.76	79109-1010
	24	24.19	22.00	WM18707-ND	4.62	40.80	272.02	79109-1011
	30	30.19	28.00	WM18708-ND	5.78	51.02	340.13	79109-1014
	40	40.19	38.00	WM18709-ND	7.74	68.33	455.54	79109-1019
11	44	44.19	42.00	WM18710-ND	8.52	75.19	501.25	79109-1021
	50	50.19	48.00	WM18711-ND	8.87	78.28	521.84	79109-1024
		Crimp Housing — Standard — RoHS Compliant						
	4	4.20	2.00	WM18030-ND	.37	3.29	21.92	51110-0450
	6	6.20	4.00	WM18031-ND	.49	4.29	28.59	51110-0650
	8	8.20	6.00	WM18032-ND	.52	4.60	30.69	51110-0850
	10	10.20	8.00	WM18033-ND	.55	4.85	32.36	51110-1050
	12	12.20	10.00	WM18034-ND	.57	5.04	33.60	51110-1250
	14	14.20	12.00	WM18035-ND	.65	5.73	38.19	51110-1450
	16	16.20	14.00	WM18036-ND	.75	6.61	44.10	51110-1650
12	18	18.20	16.00	WM18037-ND	.81	7.11	47.41	51110-1850
	20	20.20	18.00	WM18038-ND	.88	7.80	51.97	51110-2050
	22	22.20	20.00	WM18039-ND	.96	8.49	56.61	51110-2250
	24	24.20	22.00	WM18040-ND	1.04	9.18	61.19	51110-2450
	26	26.20	24.00	WM18041-ND	1.11	9.80	65.35	51110-2650
	28	28.20	26.00	WM18042-ND	1.19	10.50	69.99	51110-2850
	30	30.20	28.00	WM18043-ND	1.27	11.19	74.57	51110-3050
		Crimp Housing with Polarization Keys — RoHS Compliant						
	8	8.20	6.00	WM18044-ND	.52	4.60	30.69	51110-0851
	10	10.20	8.00	WM18045-ND	.55	4.85	32.36	51110-1051
	12	12.20	10.00	WM18046-ND	.57	5.04	33.60	51110-1251
	14	14.20	12.00	WM18047-ND	.65	5.73	38.19	51110-1451
	16	16.20	14.00	WM18048-ND	.75	6.61	44.10	51110-1651
12	18	18.20	16.00	WM18049-ND	.81	7.11	47.41	51110-1851
	20	20.20	18.00	WM18050-ND	.88	7.80	51.97	51110-2051
	22	22.20	20.00	WM18051-ND	.96	8.49	56.61	51110-2251
	24	24.20	22.00	WM18052-ND	1.04	9.18	61.19	51110-2451
	26	26.20	24.00	WM18053-ND	1.11	9.80	65.35	51110-2651
	28	28.20	26.00	WM18054-ND	1.19	10.50	69.99	51110-2851
	30	30.20	28.00	WM18055-ND	1.27	11.19	74.57	51110-3051
13	Crimp Terminal (24-30 AWG)			WM1128-ND	—	1.57	12.56	50394-8100
				WM1128CT-ND*	—	—	12.56	50394-8051
				WM1128TR-ND‡	450.00/10,000			
—	Hand Tool for 2mm Crimp Contacts			WM18057-ND	214.65	—	—	11-01-0204

† = Leaded *CT = Cut Tape ‡TR = Tape and Reel

2.50mm SPOX™ Connectors

FEATURES: • Sizes 2 ~ 15 circuits • Very low profile • Molded-in pull tabs • Friction lock **ELECTRICAL:** • Voltage: 250V • Current: 3A maximum • **Contact Resistance:** 20mΩ maximum • **Dielectric Withstanding Voltage:** 1000VAC/1 minute • **Insulation Resistance:** 1000MΩ minimum **SPECIFICATIONS:** • **Housing:** 6/6 nylon, UL 94V-0 • **Operating Temperature:** -40°C ~ 105°C • **UL File No.:** E29179 • **CAS File No.:** LR19980

Fig. 1

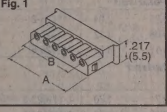


Fig. 2

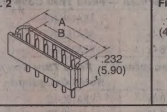


Fig. 3

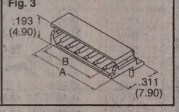
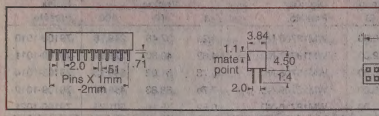


Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
		Crimp Housing						
	2	5.80	2.50	WM18873-ND	.25	.23	.15	50-37-5023
	3	8.30	5.00	WM18874-ND	.33	.29	.20	50-37-5033
	4	10.80	7.50	WM17405-ND	.49	.43	.29	50-37-5043
	5	13.30	10.00	WM18875-ND	.47	.42	.28	50-37-5053
	6	15.80	12.50	WM18876-ND	.52	.47	.31	50-37-5063
	7	18.30	15.00	WM18877-ND	.59	.53	.35	50-37-5073
	8	20.80	17.50	WM18878-ND	.68	.60	.40	50-37-5083
1	9	23.30	20.00	WM18879-ND	.78	.69	.46	50-37-5093
	10	25.80	22.50	WM18880-ND	.81	.72	.48	50-37-5103
	11	28.30	25.00	WM18881-ND	.87	.77	.52	50-37-5113
	12	30.80	27.50	WM18882-ND	.99	.87	.58	50-37-5123
	13	33.30	30.00	WM18883-ND	1.00	.89	.59	50-37-5133
	14	35.80	32.50	WM18884-ND	1.05	.93	.62	50-37-5143
	15	38.30	35.00	WM18885-ND	1.09	.96	.64	50-37-5153
		Vertical Fully Shrouded						
	2	7.40	2.50	WM18886-ND	.64	.57	.38	22-03-5025
	3	9.90	5.00	WM18887-ND	.60	.53	.36	22-03-5035
2	4	12.40	7.50	WM18888-ND	.88	.78	.52	22-03-5045
	5	14.90	10.00	WM18889-ND	1.00	.88	.59	22-03-5055

Fig.	Cir-cuits	Dimension (mm) A	B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
	6	17.40	12.50	WM18890-ND	1.12	1.00	.67	22-03-5065
	7	19.90	15.00	WM18891-ND	1.31	1.16	.78	22-03-5075
	8	22.40	17.50	WM18892-ND	1.38	1.22	.82	22-03-5085
	9	24.90	20.00	WM18893-ND	1.51	1.34	.90	22-03-5095
2	10	27.40	22.50	WM18894-ND	1.65	1.46	.97	22-03-5105
	11	29.90	25.00	WM18895-ND	1.77	1.57	1.05	22-03-5115
	12	32.40	27.50	WM18896-ND	1.90	1.68	1.12	22-03-5125
	13	34.90	30.00	WM18897-ND	2.02	1.79	1.19	22-03-5135
	14	37.40	32.50	WM18898-ND	2.15	1.90	1.27	22-03-5145
	15	39.90	35.00	WM18899-ND	2.29	2.03	1.35	22-03-5155
		Right Angle Fully Shrouded						
	2	7.40	2.50	WM18900-ND	.75	.66	.44	22-05-7025
	3	9.90	5.00	WM18901-ND	.83	.73	.49	22-05-7035
	4	12.40	7.50	WM18902-ND	.96	.85	.57	22-05-7045
	5	14.90	10.00	WM18903-ND	1.08	.96	.64	22-05-7055
	6	17.40	12.50	WM18904-ND	1.21	1.07	.71	22-05-7065
	7	19.90	15.00	WM18905-ND	1.34	1.18	.79	22-05-7075
	8	22.40	17.50	WM18906-ND	1.46	1.30	.87	22-05-7085
3	9	24.90	20.00	WM18907-ND	1.58	1.40	.94	22-05-7095
	10	27.40	22.50	WM18908-ND	1.71	1.51	1.01	22-05-7105
	11	29.90	25.00	WM18909-ND	1.84	1.63	1.09	22-05-7115
	12	32.40	27.50	WM18910-ND	1.96	1.74	1.16	22-05-7125
	13	34.90	30.00	WM18911-ND	2.09	1.85	1.23	22-05-7135
	14	37.40	32.50	WM18912-ND	2.21	1.96	1.31	22-05-7145
	15	39.90	35.00	WM18913-ND	2.33	2.06	1.38	22-05-7155

Description	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
Crimp Terminal 22-28 AWG	WM17406-ND	—	2.59	20.70	08-70-1040
Crimp Terminal 22-28 AWG	WM18889CT-ND	—	—	6.23	08-70-1039
Crimp Terminal 22-28 AWG	WM18889TR-ND	310.00/10,000			08-70-1039
Crimp Hand Tool, 22-28 AWG	WM9980-ND	336.70	—	—	11-01-0194

3M 2mm x 2mm Vertical Sockets



Features: • High temperature dielectric • IR, vapor and wave solder compatible • Available in thru hole • Industry standard compatible • Minimizes PC board stacking heights • End stackable feature • Side stackable feature
Physical Specifications: Insulation Material: High Temperature Glass Filled Polyester (PCT) Color: Natural Marking: Molded orientation delta •Contact Material: Beryllium copper • Contact Plating: • Wiping area: 30µ" gold plate • Solder Tails: 100µ" 90/10 SnPb plate (RoHS Compliant: Matte Tin) • Underplate: 50µ" nickel **Electrical Specifications:** • Current Rating: 1.5 Amp • Insulation Resistance: 5000MΩ @ 250 Volts minimum • Withstanding Voltage: 500VDC @ Sea level **Environmental Specifications:** • Operating Temperature: -55°C ~ 105°C

No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	100	500	3M Part No.
		Socket Vertical PC Mount				
8	.310 (8.00)	3M1008-ND	1.91	1.46	1.32	150208-6002-TB
10	.389 (10.00)	3M1010-ND	2.00	1.52	1.38	150210-6002-TB
12	.467 (12.00)	3M1012-ND	2.06	1.57	1.42	150212-6002-TB
20	.782 (20.00)	3M1020-ND	2.35	1.79	1.62	150220-6002-TB
24	.940 (24.00)	3M1024-ND	2.50	1.90	1.72	150224-6002-TB
30	1.176 (30.00)	3M1030-ND	2.70	2.06	1.86	150230-6002-TB
40	1.570 (40.00)	3M1040-ND	3.06	2.33	2.11	150240-6002-TB
44	1.727 (44.00)	3M1044-ND	3.20	2.44	2.21	150244-6002-TB
50	1.964 (50.00)	3M1050-ND	3.41	2.60	2.35	150250-6002-TB
60	2.357 (60.00)	3M1060-ND	3.79	2.88	2.61	150260-6002-TB
		Socket Vertical PC Mount — RoHS Compliant				
8	.310 (8.00)	3M1308-ND	1.91	1.46	1.32	150208-6002-RB
10	.389 (10.00)	3M1310-ND	2.00	1.52	1.38	150210-6002-RB
12	.467 (12.00)	3M1312-ND	2.06	1.57	1.42	150212-6002-RB
20	.782 (20.00)	3M1320-ND	2.35	1.79	1.62	150220-6002-RB
24	.940 (24.00)	3M1324-ND	2.50	1.90	1.72	150224-6002-RB
30	1.176 (30.00)	3M1330-ND	2.70	2.06	1.86	150230-6002-RB
40	1.570 (40.00)	3M1340-ND	3.06	2.33	2.11	150240-6002-RB
44	1.727 (44.00)	3M1344-ND	3.20	2.44	2.21	150244-6002-RB
50	1.964 (50.00)	3M1350-ND	3.41	2.60	2.35	150250-6002-RB
60	2.357 (60.00)	3M1360-ND	3.79	2.88	2.61	150260-6002-RB

2mm Wiremount Sockets

RoHS COMPLIANT

2mm Wiremount Socket – 1mm Pitch Cable

Features: • Industry standard compatible • Mates with 2.0mm x 2.0mm grid pin strips • Low-profile • Preassembled covers • Available with and without strain relief **Physical Specifications:** • **Insulation Material:** Glass Filled Polyester (PBT), Flammability: UL94 V-0 • **Color:** Gray • **Contact Material:** Beryllium copper • **Contact Plating:** • Underplate and U-slot: 50-150µ" Nickel, 02-N-290, Class 2 • Wiping area: Gold Mil-G-45204, Type II, Grade C • **Marking:** Orientation triangle and 3M logo **Electrical Specifications:** • Current Rating: 1 Amp • Insulation Resistance: >1x10Ω at 500VDC • Withstanding Voltage: 1000Vrms at Sea Level **Environmental Specifications:** • Operating Temperature Rating: -55°C ~ 105°C **Rating:** UL File No. E86982, CSA File No. LR48869

1.0mm Round Conductor Flat Cable – 28AWG Stranded, PVC

Features: • Close spacing permits high signal density • 28AWG wire on 1.0mm centers permits mass termination to 2.0mm connectors • Zippable for branching or discrete termination • Stranded wire provides flexibility and extended product life **Physical Specifications:** • Insulation Material:. Polyvinyl Chloride (PVC) • Color: Gray • Marking: Red Edge • Conductors: 28AWG, 7 x 36 Tinned Stranded Copper **Electrical Specifications:** • Voltage Rating: 300V • Insulation Resistance: >1 x 10^{10}Ω/3m (10 feet) • Characteristic Impedance: 92Ω Unbalanced, 146Ω Balanced • Capacitance: 55.50 pF/m Unbalanced, 32.77 pF/m Balanced • Inductance: 0.47µH/m Unbalanced, 0.70µH/m Balanced • Propagation Delay: 4.95ns/m Unbalanced, 4.78ns/m Balanced **Environmental Specifications:** • Temperature Rating Operating: -20°C ~ 105°C • Flammability Rating: UL: VW-1, CSA: FT1 **Rating:** UL File No. E42769, Style 2651 CSA File No. LL 53649 (optional)

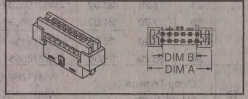
No. of Pos.	Digi-Key Part No.	Price Each 1	100	500	3M Part No.
	IDC Socket Gold				
10	MSA10A-ND	3.14	2.39	2.12	152210-0100-GB
12	MSA12A-ND	3.18	2.42	2.19	152212-0100-GB
44	MSA44A-ND	4.49	3.42	3.09	152244-0100-GB
50	MSA50A-ND	4.58	3.48	3.15	152250-0100-GB
	IDC Socket Gold with Strain Relief				
10	MSE10A-ND	3.64	2.77	2.51	152210-0103-GB
12	MSE12A-ND	3.83	2.91	2.64	152212-0103-GB
44	MSE44A-ND	5.05	3.84	3.48	152244-0103-GB
50	MSE50A-ND	5.14	3.91	3.54	152250-0103-GB

No. of Pos.	Digi-Key Part No.	(NOTE: "X" in Part No. Represents No. of Meters) Price Per Meters 5	10	25	50	100	3M Part No.
		Ribbon Cable Gray					
10	MC10L-X-ND	7.08	13.14	29.32	50.55	80.88	3625/10 100M
12	MC12L-X-ND	8.49	15.77	35.18	60.66	97.06	3625/12 100M
44	MC44L-X-ND	31.14	57.83	129.01	222.43	355.88	3625/44 100M
50	MC50L-X-ND	35.39	65.72	146.60	252.75	404.40	3625/50 100M

100m reel quantity may contain splices. Splice position will be marked on the reel.

molex Waldom ELECTRONICS

RoHS COMPLIANT

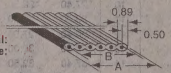


2mm Cable-to-Board Receptacle

UL2651, UL2678 **UL File No:** E29179 CSA **File No:** LR19980 **Mates With:** Milli-Grid 2.00mm Headers ***Electrical:*** **Voltage:** 125VDC **Current:** 1.0A **Contact Resistance:** 30mΩ maximum **Dielectric Withstanding Voltage:** 500VAC **Insulation Resistance:** 5000MΩ minimum ***Physical:*** **Housing:** High Thermoplastic, UL 94V-0 **Contact:** Copper Alloy **Plating Contact Area:** (15µ") Gold **Operating Temperature:** -20°C ~ 85°C **Cable:** 1.00mm Flat Cable, 7 Strands, 28 AWG

No. of Pos.	Dimensions (mm) A	B	Digi-Key Part No.	Price Each 1	10	25	Molex Part No.
			Dual Row, IDT without Polarization and Locking Ramp				
10	16.65	8.00	WM14210-ND	2.95	2.37	1.97	87568-1063
12	18.65	10.00	WM14212-ND	3.20	2.57	2.14	87568-1263
14	20.65	12.00	WM14214-ND	3.69	2.96	2.47	87568-1463
16	22.65	14.00	WM14216-ND	3.96	3.17	2.64	87568-1663
20	26.65	18.00	WM14220-ND	4.12	3.30	2.75	87568-2063
22	28.65	20.00	WM14222-ND	4.53	3.63	3.03	87568-2263
24	30.65	22.00	WM14224-ND	4.94	3.96	3.30	87568-2463
26	32.65	24.00	WM14226-ND	5.04	4.03	3.36	87568-2663
30	36.65	28.00	WM14230-ND	5.45	4.36	3.64	87568-3063
34	40.65	32.00	WM14234-ND	5.61	4.49	3.74	87568-3463
40	46.65	38.00	WM14240-ND	6.19	4.96	4.13	87568-4063
44	50.65	42.00	WM14244-ND	6.35	5.08	4.24	87568-4463
50	56.65	48.00	WM14250-ND	7.00	5.61	4.67	87568-5063
			Dual Row, IDT with Single Locking Ramp				
10	16.65	8.00	WM14310-ND	2.72	2.18	1.82	87568-1073
12	18.65	10.00	WM14312-ND	3.20	2.57	2.14	87568-1273
			Dual Row, IDT with Polarization and Locking Ramp				
14	20.65	12.00	WM14314-ND	3.69	2.96	2.47	87568-1493
16	22.65	14.00	WM14316-ND	3.96	3.17	2.64	87568-1693
20	26.65	18.00	WM14320-ND	4.12	3.30	2.75	87568-2093
22	28.65	20.00	WM14322-ND	4.53	3.63	3.03	87568-2293
24	30.65	22.00	WM14324-ND	4.94	3.96	3.30	87568-2493
26	32.65	24.00	WM14326-ND	5.04	4.03	3.36	87568-2693
30	36.65	28.00	WM14330-ND	5.32	4.26	3.55	87568-3093
34	40.65	32.00	WM14334-ND	5.61	4.49	3.74	87568-3493
40	46.65	38.00	WM14340-ND	6.19	4.96	4.13	87568-4093
44	50.65	42.00	WM14344-ND	6.00	4.80	4.00	87568-4493
50	56.65	48.00	WM14350-ND	7.12	5.70	4.75	87568-5093

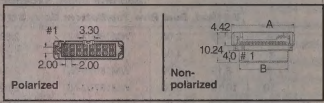
1mm Round Conductor Flat Cable



UL File No: E61522, UL Style No. 2678 **CSA File No:** LL61126 **Electrical: Voltage:** 150V **Physical: Flammability:** VW-1 **Operating Temperature:** -20°C ~ 105°C **Insulation:** Gray PVC **Edge Mark:** Black, 28AWG Stranded, Tinned

Circuits	Dimensions (mm) A	B	Digi-Key Part No.	(NOTE: "X" in Part No. Represents No. of Feet) Price Per Feet 5	10	25	50	100
10	10.00	9.00	WM11-X-ND	4.38	8.24	18.02	30.89	51.48
20	20.00	19.00	WM12-X-ND	7.42	13.96	30.55	52.36	87.27
24	24.00	23.00	WM13-X-ND	8.90	16.75	36.64	62.82	104.69
40	40.00	39.00	WM14-X-ND	16.39	30.85	67.49	115.70	192.83
44	44.00	43.00	WM15-X-ND	18.03	33.94	74.25	127.26	212.14
50	50.00	49.00	WM16-X-ND	18.63	35.06	76.70	131.48	219.14

tyco Electronics AMP



2mm Ribbon Connectors

The new 2.0 (.079) AMP-LATCH® receptacle connector family features contacts on a true 2.0 x 2.0 (.079 x .079) mating grid for 1.0 (.039) pitch ribbon. These receptacles feature insulation displacement contacts (IDC) with a top/bottom single beam contact orientation. Contacts are beryllium copper, duplex plated 30µ" gold in the mating area and 100µ" minimum tin-lead on termination end all over 50µ" nickel underplating. Contact mating area is 1.54 (.061) from the face of the housing and they accept 0.50mm (.0197) round or square posts.

Product Facts: • True hard metric 2.0 x 2.0 mating grid for 1.0 pitch ribbon cable • IDC, beryllium copper contacts, duplex plated gold-over-nickel • U.L. 94V-0 rated thermoplastic components

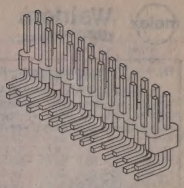
Performance Data: • Durability: 150 cycles • Termination Resistance: 25mΩ maximum • Mating Force: 1.67N maximum • Unmating Force: 0.14N minimum • Operating Temperature: -65°C ~ 105°C

No. of Pos.	Dimensions (mm) A	B	Digi-Key Part No.	Price Each 1	25	AMP Part No.
			Receptacle — Feed Thru Cover Polarized			
16	21.18	16.41	AKA16K-ND	3.62	2.27	111623-3
			Receptacle — Feed Thru Cover Non-Polarized			
14	19.18	14.40	ASA14K-ND	3.25	2.04	111626-2
16	21.18	16.41	ASA16K-ND	4.98	3.12	111626-3
26	31.17	26.42	ASA26K-ND	5.17	3.24	111626-6
			Receptacle — Feed Thru Cover Polarized RoHS Compliant			
10	15.16	10.41	AKA10L-ND	2.71	1.70	1-111623-8
14	19.18	14.40	AKA14L-ND	2.80	1.76	1-111623-9
16	21.18	16.41	AKA16L-ND	3.26	2.05	2-111623-0
20	25.17	20.40	AKA20L-ND	2.91	1.83	2-111623-1
24	29.18	24.41	AKA24L-ND	5.00	3.14	2-111623-7
26	31.17	26.42	AKA26L-ND	3.39	2.13	2-111623-2
30	35.18	30.40	AKA30L-ND	3.45	2.17	2-111623-3
40	45.19	40.14	AKA40L-ND	4.24	2.66	2-111623-4
44	49.17	44.40	AKA44L-ND	4.24	2.66	2-111623-5
50	55.17	50.39	AKA50L-ND	4.50	2.82	2-111623-6
			Receptacle — Feed Thru Cover Non-Polarized RoHS Compliant			
8	13.18	8.41	ASA08L-ND	3.12	1.96	2-111626-4
10	15.16	10.41	ASA10L-ND	3.11	1.95	1-111626-7
14	19.18	14.40	ASA14L-ND	3.16	1.98	1-111626-8
16	21.18	16.41	ASA16L-ND	3.29	2.06	2-111626-5
20	25.17	20.40	ASA20L-ND	2.91	1.83	1-111626-9
24	29.18	24.41	ASA24L-ND	3.82	2.40	2-111626-6
26	31.17	26.42	ASA26L-ND	5.11	3.21	2-111626-7
34	39.17	34.42	ASA34L-ND	4.13	2.59	2-111626-0
40	45.19	40.41	ASA40L-ND	4.24	2.66	2-111626-1
44	49.17	44.40	ASA44L-ND	4.24	2.66	2-111626-2
50	55.17	50.39	ASA50L-ND	4.50	2.82	2-111626-3

Sullins .1" (2.54mm) Male Headers

Features • .025" (.64mm) square pins • Available in 36-pin version or 1 to 35 size to meet your application • Temperature: -65°C ~ 125°C • UL Flammability Rating: 94V-0 • Current Rating: 3 amperes
Materials • Insulator Material: Black thermoplastic polyester • Contact Material: CA510, phosphor bronze • Contact Plating: **Head:** PEC — .00010" Tin; PBC — .000010"; **Tail:** .00010" Tin

RoHS COMPLIANT



Available in 1 to 36 Pin Versions!

A

TO PURCHASE A 36 PIN HEADER...

Contact Finish	Dimensions Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	Sullins Part No.
Single Row Straight (36 Pins) – RoHS Compliant							
	.230 (5.84)	.120 (3.05)	S1012E-36-ND	1.20	10.71	88.20	PEC36SAAN
	.230 (5.84)	.230 (5.84)	S1022E-36-ND	2.05	18.36	151.20	PEC36SABN
	.230 (5.84)	.320 (8.13)	S1032E-36-ND	2.22	19.89	163.80	PEC36SACN
	.230 (5.84)	.420 (10.67)	S1042E-36-ND	2.39	21.42	176.40	PEC36SADN
	.230 (5.84)	.520 (13.21)	S1052E-36-ND	2.59	23.21	191.10	PEC36SAEN
	.230 (5.84)	.620 (15.75)	S1062E-36-ND	3.22	28.82	237.30	PEC36SAFN
Tin	.230 (5.84)	.720 (18.29)	S1072E-36-ND	3.39	30.35	249.90	PEC36SAGN
	.230 (5.84)	.820 (20.83)	S1082E-36-ND	3.59	32.13	264.60	PEC36SAHN
	.318 (8.08)	.120 (3.05)	S1212E-36-ND	1.51	13.52	111.30	PEC36SFAN
	.318 (8.08)	.220 (5.59)	S1222E-36-ND	2.42	21.68	178.50	PEC36SFBN
	.318 (8.08)	.320 (8.13)	S1232E-36-ND	2.65	23.72	195.30	PEC36SFCN
	.318 (8.08)	.420 (10.67)	S1242E-36-ND	2.85	25.50	210.00	PEC36SFDN
	.318 (8.08)	.520 (13.21)	S1252E-36-ND	3.85	34.43	283.50	PEC36SFEN
	.230 (5.84)	.120 (3.05)	S1011E-36-ND	1.51	13.52	111.30	PBC36SAAN
	.230 (5.84)	.230 (5.84)	S1021E-36-ND	2.48	22.19	182.70	PBC36SABN
	.230 (5.84)	.320 (8.13)	S1031E-36-ND	2.68	23.97	197.40	PBC36SACN
	.230 (5.84)	.420 (10.67)	S1041E-36-ND	2.85	25.50	210.00	PBC36SADN
	.230 (5.84)	.520 (13.21)	S1051E-36-ND	3.02	27.03	222.60	PBC36SAEN
	.230 (5.84)	.620 (15.75)	S1061E-36-ND	3.68	32.90	270.90	PBC36SAFN
Gold	.230 (5.84)	.720 (18.29)	S1071E-36-ND	3.90	34.94	287.70	PBC36SAGN
	.230 (5.84)	.820 (20.83)	S1081E-36-ND	4.08	36.47	300.30	PBC36SAHN
	.318 (8.08)	.120 (3.05)	S1211E-36-ND	1.88	16.83	138.60	PBC36SFAN
	.318 (8.08)	.220 (5.59)	S1221E-36-ND	2.99	26.78	220.50	PBC36SFBN
	.318 (8.08)	.320 (8.13)	S1231E-36-ND	3.22	28.82	237.30	PBC36SFCN
	.318 (8.08)	.420 (10.67)	S1241E-36-ND	3.39	30.35	249.90	PBC36SFDN
	.318 (8.08)	.520 (13.21)	S1251E-36-ND	4.47	40.04	329.70	PBC36SFEN
Single Row Right-Angle (36 Pins) – RoHS Compliant							
	.230 (5.84)	.100 (2.54)	S1112E-36-ND	1.74	15.56	128.10	PEC36SBAN
	.230 (5.84)	.200 (5.08)	S1122E-36-ND	2.25	20.15	165.90	PEC36SBBN
	.230 (5.84)	.300 (7.62)	S1132E-36-ND	3.25	29.07	239.40	PEC36SBCN
Tin	.230 (5.84)	.400 (10.16)	S1142E-36-ND	4.36	39.02	321.30	PEC36SBDN
	.230 (5.84)	.500 (12.70)	S1152E-36-ND	4.65	41.57	342.30	PEC36SBEN
	.318 (8.08)	.100 (2.54)	S1312E-36-ND	2.25	20.15	165.90	PEC36SGAN
	.318 (8.08)	.200 (5.08)	S1322E-36-ND	4.02	35.96	296.10	PEC36SGBN
	.230 (5.84)	.100 (2.54)	S1111E-36-ND	2.11	18.87	155.40	PBC36SBAN
	.230 (5.84)	.200 (5.08)	S1121E-36-ND	2.65	23.72	195.30	PBC36SBBN
	.230 (5.84)	.300 (7.62)	S1131E-36-ND	3.73	33.41	275.10	PBC36SBCN
Gold	.230 (5.84)	.400 (10.16)	S1141E-36-ND	4.93	44.12	363.30	PBC36SBDN
	.230 (5.84)	.500 (12.70)	S1151E-36-ND	5.22	46.67	384.30	PBC36SBEN
	.318 (8.08)	.100 (2.54)	S1311E-36-ND	2.71	24.23	199.50	PBC36SGAN
	.318 (8.08)	.200 (5.08)	S1321E-36-ND	4.65	41.57	342.30	PBC36SGBN
Dual Row Straight (72 Pins) – RoHS Compliant							
	.230 (5.84)	.120 (3.05)	S2012E-36-ND	2.17	19.38	159.60	PEC36DAAN
	.230 (5.84)	.230 5.84)	S2022E-36-ND	3.22	28.82	237.30	PEC36DABN
	.230 (5.84)	.320 (8.13)	S2032E-36-ND	4.59	41.06	338.10	PEC36DACN
	.230 (5.84)	.420 (10.67)	S2042E-36-ND	4.99	44.63	367.50	PEC36DADN
	.230 (5.84)	.520 (13.21)	S2052E-36-ND	5.36	47.94	394.80	PEC36DAEN
	.230 (5.84)	.620 (15.75)	S2062E-36-ND	6.90	61.71	508.20	PEC36DAFN
Tin	.230 (5.84)	.720 (18.29)	S2072E-36-ND	7.32	65.54	539.70	PEC36DAGN
	.230 (5.84)	.820 (20.83)	S2082E-36-ND	7.78	69.62	573.30	PEC36DAHN
	.318 (8.08)	.120 (3.05)	S2212E-36-ND	2.71	24.23	199.50	PEC36DFAN
	.318 (8.08)	.220 (5.59)	S2222E-36-ND	4.22	37.74	310.80	PEC36DFBN
	.318 (8.08)	.320 (8.13)	S2232E-36-ND	4.62	41.31	340.20	PEC36DFCN
	.318 (8.08)	.420 (10.67)	S2242E-36-ND	5.02	44.88	369.60	PEC36DFDN
	.318 (8.08)	.520 (13.21)	S2252E-36-ND	6.47	57.89	476.70	PEC36DFEN
	.230 (5.84)	.120 (3.05)	S2011E-36-ND	2.74	24.48	201.60	PBC36DAAN
	.230 (5.84)	.230 (5.84)	S2021E-36-ND	4.02	35.96	296.10	PBC36DABN
	.230 (5.84)	.320 (8.13)	S2031E-36-ND	5.59	49.98	411.60	PBC36DACN
	.230 (5.84)	.420 (10.67)	S2041E-36-ND	5.96	53.30	438.90	PBC36DADN
	.230 (5.84)	.520 (13.21)	S2051E-36-ND	6.36	56.87	468.30	PBC36DAEN
	.230 (5.84)	.620 (15.75)	S2061E-36-ND	7.98	71.40	588.00	PBC36DAFN
Gold	.230 (5.84)	.720 (18.29)	S2071E-36-ND	8.44	75.48	621.60	PBC36DAGN
	.230 (5.84)	.820 (20.83)	S2081E-36-ND	8.89	79.56	655.20	PBC36DAHN
	.318 (8.08)	.120 (3.05)	S2211E-36-ND	3.51	31.37	258.30	PBC36DFAN
	.318 (8.08)	.220 (5.59)	S2221E-36-ND	5.33	47.69	392.70	PBC36DFBN
	.318 (8.08)	.320 (8.13)	S2231E-36-ND	5.73	51.26	422.10	PBC36DFCN
	.318 (8.08)	.420 (10.67)	S2241E-36-ND	6.16	55.08	453.60	PBC36DFDN
	.318 (8.08)	.520 (13.21)	S2251E-36-ND	7.72	69.11	569.10	PBC36DFEN
Dual Row Right-Angle (72 Pins) – RoHS Compliant							
	.230 (5.84)	.100 (2.54)	S2112E-36-ND	3.25	29.07	239.40	PEC36DBAN
	.230 (5.84)	.200 (5.08)	S2122E-36-ND	4.67	41.82	344.40	PEC36DBBN
	.230 (5.84)	.300 (7.62)	S2132E-36-ND	7.04	62.99	518.70	PEC36DBCN
Tin	.230 (5.84)	.400 (10.16)	S2142E-36-ND	7.78	69.62	573.30	PEC36DBDN
	.230 (5.84)	.500 (12.70)	S2152E-36-ND	8.46	75.74	623.70	PEC36DBEN
	.318 (8.08)	.100 (2.54)	S2312E-36-ND	6.18	55.34	455.70	PEC36DGAN
	.318 (8.08)	.200 (5.08)	S2322E-36-ND	7.61	68.09	560.70	PEC36DGBN
	.230 (5.84)	.100 (2.54)	S2111E-36-ND	3.96	35.45	291.90	PBC36DBAN
	.230 (5.84)	.200 (5.08)	S2121E-36-ND	5.56	49.73	409.50	PBC36DBBN
	.230 (5.84)	.300 (7.62)	S2131E-36-ND	8.18	73.19	602.70	PBC36DBCN
Gold	.230 (5.84)	.400 (10.16)	S2141E-36-ND	8.86	79.31	653.10	PBC36DBDN
	.230 (5.84)	.500 (12.70)	S2151E-36-ND	9.55	85.43	703.50	PBC36DBEN
	.318 (8.08)	.100 (2.54)	S2311E-36-ND	7.30	65.28	537.60	PBC36DGAN
	.318 (8.08)	.200 (5.08)	S2321E-36-ND	8.89	79.56	655.20	PBC36DGBN
Shorting Jumpers							
Tin	.100"		S9000-ND	—	.93	—	STC02SYAN
Au Flash Gold	.256"	Open End	S9001-ND	—	1.16	—	SPC02SYAN
			S9002-ND	—	1.31	—	SSC02SYAN

TO PURCHASE A CUSTOM PIN HEADER...

STEP 1 Digi-Key Part No.	STEP 2 Base Price	STEP 3 Pin Adder
Single Row Straight (36 Pins) – RoHS Compliant		
S1012E-XX-ND	.41	.02
S1022E-XX-ND	.86	.03
S1032E-XX-ND	1.00	.03
S1042E-XX-ND	1.18	.03
S1052E-XX-ND	1.33	.03
S1062E-XX-ND	1.57	.04
S1072E-XX-ND	1.42	.05
S1082E-XX-ND	1.60	.05
S1212E-XX-ND	.68	.02
S1222E-XX-ND	1.22	.03
S1232E-XX-ND	1.40	.03
S1242E-XX-ND	1.24	.04
S1252E-XX-ND	1.47	.06
S1011E-XX-ND	.68	.02
S1021E-XX-ND	1.25	.03
S1031E-XX-ND	1.43	.03
S1041E-XX-ND	1.24	.04
S1051E-XX-ND	1.42	.04
S1061E-XX-ND	1.68	.05
S1071E-XX-ND	1.52	.06
S1081E-XX-ND	1.70	.06
S1211E-XX-ND	.70	.03
S1221E-XX-ND	1.39	.04
S1231E-XX-ND	1.57	.04
S1241E-XX-ND	1.42	.05
S1251E-XX-ND	2.04	.06
Single Row Right-Angle (36 Pins) – RoHS Compliant		
S1112E-XX-ND	.92	.02
S1122E-XX-ND	1.04	.03
S1132E-XX-ND	1.60	.04
S1142E-XX-ND	1.95	.06
S1152E-XX-ND	1.88	.07
S1312E-XX-ND	1.04	.03
S1322E-XX-ND	1.65	.06
S1111E-XX-ND	.91	.03
S1121E-XX-ND	1.40	.03
S1131E-XX-ND	1.37	.06
S1141E-XX-ND	2.13	.07
S1151E-XX-ND	2.39	.07
S1311E-XX-ND	1.46	.03
S1321E-XX-ND	1.88	.07
Dual Row Straight (72 Pins) – RoHS Compliant		
S2012E-XX-ND	.94	.03
S2022E-XX-ND	1.57	.04
S2032E-XX-ND	1.82	.07
S2042E-XX-ND	2.18	.07
S2052E-XX-ND	2.21	.08
S2062E-XX-ND	2.92	.10
S2072E-XX-ND	2.97	.11
S2082E-XX-ND	3.36	.11
S2212E-XX-ND	1.46	.03
S2222E-XX-ND	1.83	.06
S2232E-XX-ND	1.85	.07
S2242E-XX-ND	2.21	.07
S2252E-XX-ND	2.87	.09
S2011E-XX-ND	1.49	.04
S2021E-XX-ND	1.65	.06
S2031E-XX-ND	2.39	.08
S2041E-XX-ND	2.41	.09
S2051E-XX-ND	2.77	.09
S2061E-XX-ND	3.23	.12
S2071E-XX-ND	3.63	.12
S2081E-XX-ND	3.71	.13
S2211E-XX-ND	1.50	.05
S2221E-XX-ND	2.18	.08
S2231E-XX-ND	2.54	.08
S2241E-XX-ND	2.56	.09
S2251E-XX-ND	3.33	.11
Dual Row Right-Angle (72 Pins) – RoHS Compliant		
S2112E-XX-ND	1.60	.04
S2122E-XX-ND	1.91	.07
S2132E-XX-ND	2.73	.11
S2142E-XX-ND	3.36	.11
S2152E-XX-ND	3.66	.12
S2312E-XX-ND	2.59	.09
S2322E-XX-ND	3.23	.11
S2111E-XX-ND	1.59	.06
S2121E-XX-ND	2.36	.08
S2131E-XX-ND	3.41	.12
S2141E-XX-ND	3.68	.13
S2151E-XX-ND	3.97	.14
S2311E-XX-ND	2.94	.11
S2321E-XX-ND	3.71	.13

HOW TO ORDER - 4 EASY STEPS

How do I order an S1012E header with 16 pins?

Call Digi-Key where you'll receive the price.

or

Determine the cost yourself

S□□□□E-□□-ND

Base Part Number — Number of Desired Pins per row

Step 1. Select needed "Digi-Key Part Number" and number of pins desired.

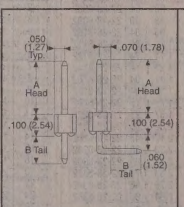
Step 2. Begin with appropriate "Base Price" of your selected Part Number (refer to chart).

Step 3. Multiply the number of pins you desire by "Pin Adder" of your selected Part Number (refer to chart).

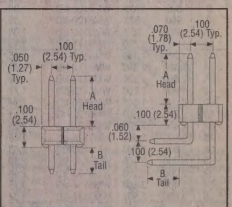
Step 4. Add Step 2 & Step 3 together for Final Cost!

	Our Example	Your Digi-Key Part Number
Step 1.	S1012E-16-ND	S_____E-___-ND
Step 2.	.41	_____
Step 3.	16 x .02 = .32	____ x ____ = _____
Step 4.	Your Cost = $.73	Your Cost = $_____

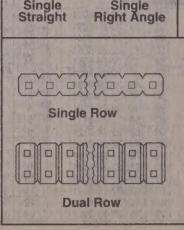
NOTE: For quantities of 10 or more, call DIGI-KEY.

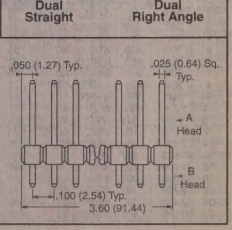


Single Straight — Single Right Angle



Dual Straight — Dual Right Angle

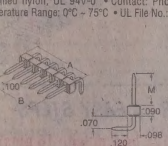




A

Fig. 1 — KK® Breakaway Header – Right Angle

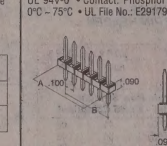
Features: • 250V • 4.0A • Contact Resistance: 20 MΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance: 50K MΩ minimum • Housing: Glass-filled nylon, UL 94V-0 • Contact: Phosphor Bronze, 0.64mm (.025") square • Temperature Range: 0°C ~ 75°C • UL File No.: E29179 • CSA File No.: LR19980



Mating End M (inch)	Molex Part No.
.244	22-28-8xx0 22-28-8xx2
.324	22-28-8xx1 22-28-8xx3

Fig. 2 — KK® Breakaway Header – Vertical

Features: • 250V • 4.0A • Contact Resistance: 20mΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance: 50K MΩ minimum • Housing: Glass-filled nylon, UL 94V-0 • Contact: Phosphor Bronze, 0.64mm (.025") square • Temperature Range: 0°C ~ 75°C • UL File No.: E29179 • CSA File No.: LR19980



Mating End M (inch)	PC Tail P (inch)	Molex Part No.
.240	.125	22-28-4xx0 22-28-4xx3
.320	.130	22-28-4xx1 22-28-4xx4

Fig. 3 — .100" KK® Breakaway Header – Single Row, Unshrouded, SMT, Vertical

Features: • 250V • 3.0A • Contact Resistance: 30mΩ maximum • Withstanding Voltage: 1500VAC • Insulation Resistance: 50,000 MΩ minimum • Housing: PA Polyamide (Nylon), High Temperature • Contact: Phosphor Bronze • Temperature Range: 0°C ~ 75°C • UL 94V-0

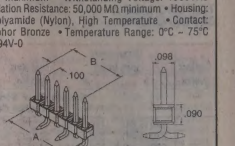
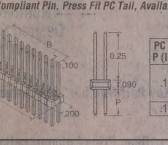


Fig. 4 — C-Grid® Breakaway Header – Dual Row, Vertical

Features: • 250V • 3.0A • Contact Resistance: 15mΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance: 1000 MΩ minimum • Housing: Thermoplastic, High Temperature, UL 94V-0 • Contact: Phosphor Bronze • Temperature Range: -40°C ~ 105°C • UL File No.: E29179 (G) • CSA File No.: LR19980A
Note: Compliant Pin, Press Fit PC Tail, Available



PC Tail P (inch)	Molex Part No.
.107	10-89-7xx2 10-89-7xx1 70280-04xx
.187	75102-0xxx

Fig. 5 — C-Grid® Breakaway Header – Low Profile, Dual Row, Right Angle

Features: • 250V • 3.0A • Contact Resistance: 15mΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance: 1000 MΩ minimum • Housing: Thermoplastic, High Temperature, UL 94V-0 • Contact: Phosphor Bronze • Temperature Range: -40°C ~ 105°C • UL File No.: E29179 (H)

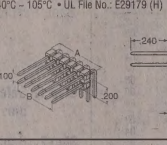


Fig. 6 — C-Grid® Header – Dual Row, SMT, Vertical

Features: • 250V • 3.0A • Contact Resistance: 15mΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance: 1,000 MΩ minimum • Housing: High temperature thermoplastic, UL 94V-0 • Contact: Phosphor Bronze • Operating Temperature: -40°C ~ 105°C • UL File No.: E29179 (H) • CSA File No.: LR19980A

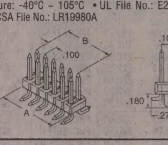
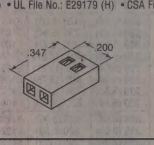


Fig. 7 — C-Grid® 2.54mm Pitch Shunt/Jumper *NEW!*

Features: • 250V • 5.0A • Contact Resistance: 15mΩ maximum • Dielectric Withstanding Voltage: 1500V • Insulation Resistance:100K MΩ minimum • Housing: Glass-filled polyester, UL 94V-0 • Contact: Phosphor Bronze • Temperature Range: -40°C ~ 105°C • Closed Top • UL File No.: E29179 (H) • CSA File No.: LR19980A



Circuits	Dim. (Inch) A	B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
.100" KK® Breakaway Header							
Fig. 1 — Single Row, Right Angle - Tin							
2	.200	.100	WM6002-ND	.35	.31	.21	22-28-8020
3	.300	.200	WM6003-ND	.42	.38	.25	22-28-8030
4	.400	.300	WM6004-ND	.49	.44	.29	22-28-8040
5	.500	.400	WM6005-ND	.56	.50	.33	22-28-8050
6	.600	.500	WM6006-ND	.63	.56	.38	22-28-8060
7	.700	.600	WM6007-ND	.70	.62	.42	22-28-8070
8	.800	.700	WM6008-ND	.77	.68	.46	22-28-8080
9	.900	.800	WM6009-ND	.84	.74	.50	22-28-8090
10	1.000	.900	WM6010-ND	.91	.80	.54	22-28-8100
11	1.100	1.000	WM6011-ND	.98	.87	.58	22-28-8110
12	1.200	1.100	WM6012-ND	1.05	.93	.62	22-28-8120
14	1.400	1.300	WM6014-ND	1.18	1.05	.70	22-28-8140
16	1.600	1.500	WM6016-ND	1.32	1.17	.78	22-28-8160
18	1.800	1.700	WM6018-ND	1.46	1.30	.87	22-28-8180
20	2.000	1.900	WM6020-ND	1.60	1.42	.95	22-28-8200
22	2.200	2.100	WM6022-ND	1.74	1.54	1.03	22-28-8220
24	2.400	2.300	WM6024-ND	1.88	1.66	1.11	22-28-8240
26	2.600	2.500	WM6026-ND	2.02	1.79	1.19	22-28-8260
28	2.800	2.700	WM6028-ND	2.16	1.91	1.27	22-28-8280
30	3.000	2.900	WM6030-ND	2.30	2.03	1.36	22-28-8300
32	3.200	3.100	WM6032-ND	2.43	2.15	1.44	22-28-8320
34	3.400	3.300	WM6034-ND	2.57	2.28	1.52	22-28-8340
36	3.600	3.500	WM6036-ND	2.71	2.40	1.60	22-28-8360
Fig. 1 — Single Row, Right Angle - 15µ Select Gold							
2	.200	.100	WM6102-ND	.39	.34	.23	22-28-8022
3	.300	.200	WM6103-ND	.47	.42	.28	22-28-8032
4	.400	.300	WM6104-ND	.54	.50	.33	22-28-8042
5	.500	.400	WM6105-ND	.64	.57	.38	22-28-8052
6	.600	.500	WM6106-ND	.73	.65	.43	22-28-8062
7	.700	.600	WM6107-ND	.82	.73	.49	22-28-8072
8	.800	.700	WM6108-ND	.90	.80	.54	22-28-8082
9	.900	.800	WM6109-ND	.99	.88	.59	22-28-8092
10	1.000	.900	WM6110-ND	1.08	.95	.64	22-28-8102
11	1.100	1.000	WM6111-ND	1.16	1.03	.69	22-28-8112
12	1.200	1.100	WM6112-ND	1.25	1.11	.74	22-28-8122
14	1.400	1.300	WM6114-ND	1.42	1.26	.84	22-28-8142
16	1.600	1.500	WM6116-ND	1.59	1.41	.94	22-28-8162
18	1.800	1.700	WM6118-ND	1.77	1.56	1.04	22-28-8182
20	2.000	1.900	WM6120-ND	1.94	1.72	1.15	22-28-8202
22	2.200	2.100	WM6122-ND	2.11	1.87	1.25	22-28-8222
24	2.400	2.300	WM6124-ND	2.29	2.02	1.35	22-28-8242
26	2.600	2.500	WM6126-ND	2.46	2.17	1.45	22-28-8262
28	2.800	2.700	WM6128-ND	2.63	2.33	1.55	22-28-8282
30	3.000	2.900	WM6130-ND	2.80	2.48	1.65	22-28-8302
32	3.200	3.100	WM6132-ND	2.98	2.63	1.76	22-28-8322
34	3.400	3.300	WM6134-ND	3.15	2.78	1.86	22-28-8342
36	3.600	3.500	WM6136-ND	3.32	2.94	1.96	22-28-8362
Fig. 1 — Single Row, Right Angle - Tin							
2	.200	.100	WM6202-ND	.35	.31	.21	22-28-8021
3	.300	.200	WM6203-ND	.42	.38	.25	22-28-8031
4	.400	.300	WM6204-ND	.49	.44	.29	22-28-8041
5	.500	.400	WM6205-ND	.56	.50	.33	22-28-8051
6	.600	.500	WM6206-ND	.63	.56	.38	22-28-8061
7	.700	.600	WM6207-ND	.70	.62	.42	22-28-8071
8	.800	.700	WM6208-ND	.77	.68	.46	22-28-8081
9	.900	.800	WM6209-ND	.84	.74	.50	22-28-8091
10	1.000	.900	WM6210-ND	.91	.80	.54	22-28-8101
11	1.100	1.000	WM6211-ND	.98	.87	.58	22-28-8111
12	1.200	1.100	WM6212-ND	1.05	.93	.62	22-28-8121
14	1.400	1.300	WM6214-ND	1.18	1.05	.70	22-28-8141
16	1.600	1.500	WM6216-ND	1.32	1.17	.78	22-28-8161
18	1.800	1.700	WM6218-ND	1.46	1.30	.87	22-28-8181
20	2.000	1.900	WM6220-ND	1.60	1.42	.95	22-28-8201
22	2.200	2.100	WM6222-ND	1.74	1.54	1.03	22-28-8221
24	2.400	2.300	WM6224-ND	1.88	1.66	1.11	22-28-8241
26	2.600	2.500	WM6226-ND	2.02	1.79	1.19	22-28-8261
28	2.800	2.700	WM6228-ND	2.16	1.91	1.27	22-28-8281
30	3.000	2.900	WM6230-ND	2.30	2.03	1.36	22-28-8301
32	3.200	3.100	WM6232-ND	2.43	2.15	1.44	22-28-8321
34	3.400	3.300	WM6234-ND	2.57	2.28	1.52	22-28-8341
36	3.600	3.500	WM6236-ND	2.71	2.40	1.60	22-28-8361
Fig. 1 — Single Row, Right Angle - 15µ Select Gold							
2	.200	.100	WM6302-ND	.39	.34	.23	22-28-8023
3	.300	.200	WM6303-ND	.47	.42	.28	22-28-8033
4	.400	.300	WM6304-ND	.56	.50	.33	22-28-8043
5	.500	.400	WM6305-ND	.64	.57	.38	22-28-8053
6	.600	.500	WM6306-ND	.73	.65	.43	22-28-8063
7	.700	.600	WM6307-ND	.82	.73	.49	22-28-8073
8	.800	.700	WM6308-ND	.90	.80	.54	22-28-8083
9	.900	.800	WM6309-ND	.99	.88	.59	22-28-8093
10	1.000	.900	WM6310-ND	1.08	.95	.64	22-28-8103
11	1.100	1.000	WM6311-ND	1.16	1.03	.69	22-28-8113
12	1.200	1.100	WM6312-ND	1.25	1.11	.74	22-28-8123
14	1.400	1.300	WM6314-ND	1.42	1.26	.84	22-28-8143
16	1.600	1.500	WM6316-ND	1.59	1.41	.94	22-28-8163
18	1.800	1.700	WM6318-ND	1.77	1.56	1.04	22-28-8183
20	2.000	1.900	WM6320-ND	1.94	1.72	1.15	22-28-8203
22	2.200	2.100	WM6322-ND	2.11	1.87	1.25	22-28-8223
24	2.400	2.300	WM6324-ND	2.29	2.02	1.35	22-28-8243
26	2.600	2.500	WM6326-ND	2.46	2.17	1.45	22-28-8263
28	2.800	2.700	WM6328-ND	2.63	2.33	1.55	22-28-8283
30	3.000	2.900	WM6330-ND	2.80	2.48	1.65	22-28-8303
32	3.200	3.100	WM6332-ND	2.98	2.63	1.76	22-28-8323
34	3.400	3.300	WM6334-ND	3.15	2.78	1.86	22-28-8343
36	3.600	3.500	WM6336-ND	3.32	2.94	1.96	22-28-8363
Fig. 2 — Single Row, Vertical - Tin							
2	.200	.100	WM6402-ND	.29	.26	.18	22-28-4020
3	.300	.200	WM6403-ND	.33	.30	.20	22-28-4030
4	.400	.300	WM6404-ND	.37	.33	.22	22-28-4040
5	.500	.400	WM6405-ND	.41	.37	.25	22-28-4050
6	.600	.500	WM6406-ND	.45	.40	.27	22-28-4060
7	.700	.600	WM6407-ND	.49	.43	.29	22-28-4070
8	.800	.700	WM6408-ND	.53	.47	.31	22-28-4080
9	.900	.800	WM6409-ND	.57	.50	.34	22-28-4090
10	1.000	.900	WM6410-ND	.61	.54	.36	22-28-4100
11	1.100	1.000	WM6411-ND	.64	.57	.38	22-28-4110
12	1.200	1.100	WM6412-ND	.68	.61	.41	22-28-4120
14	1.400	1.300	WM6414-ND	.76	.68	.45	22-28-4140
16	1.600	1.500	WM6416-ND	.84	.75	.50	22-28-4160
18	1.800	1.700	WM6418-ND	.92	.82	.55	22-28-4180
20	2.000	1.900	WM6420-ND	1.00	.89	.59	22-28-4200
22	2.200	2.100	WM6422-ND	1.08	.95	.64	22-28-4220
24	2.400	2.300	WM6424-ND	1.16	1.02	.68	22-28-4240
26	2.600	2.500	WM6426-ND	1.23	1.09	.73	22-28-4260
28	2.800	2.700	WM6428-ND	1.31	1.16	.78	22-28-4280
30	3.000	2.900	WM6430-ND	1.39	1.23	.82	22-28-4300
32	3.200	3.100	WM6432-ND	1.47	1.30	.87	22-28-4320
34	3.400	3.300	WM6434-ND	1.55	1.37	.92	22-28-4340
36	3.600	3.500	WM6436-ND	1.63	1.44	.96	22-28-4360
Fig. 2 — Single Row, Vertical - 15µ Select Gold							
2	.200	.100	WM6502-ND	.32	.29	.19	22-28-4023
3	.300	.200	WM6503-ND	.36	.34	.23	22-28-4033
4	.400	.300	WM6504-ND	.43	.38	.26	22-28-4043
5	.500	.400	WM6505-ND	.48	.43	.29	22-28-4053
6	.600	.500	WM6506-ND	.54	.48	.32	22-28-4063
7	.700	.600	WM6507-ND	.59	.53	.35	22-28-4073
8	.800	.700	WM6508-ND	.65	.58	.39	22-28-4083
9	.900	.800	WM6509-ND	.70	.62	.42	22-28-4093
10	1.000	.900	WM6510-ND	.76	.67	.45	22-28-4103
11	1.100	1.000	WM6511-ND	.81	.72	.48	22-28-4113
12	1.200	1.100	WM6512-ND	.86	.77	.51	22-28-4123
14	1.400	1.300	WM6514-ND	.97	.86	.58	22-28-4143
16	1.600	1.500	WM6516-ND	1.08	.96	.64	22-28-4163
18	1.800	1.700	WM6518-ND	1.19	1.06	.71	22-28-4183
20	2.000	1.900	WM6520-ND	1.30	1.15	.77	22-28-4203
22	2.200	2.100	WM6522-ND	1.41	1.25	.83	22-28-4223
24	2.400	2.300	WM6524-ND	1.52	1.34	.90	22-28-4243
26	2.600	2.500	WM6526-ND	1.63	1.44	.96	22-28-4263
28	2.800	2.700	WM6528-ND	1.73	1.54	1.03	22-28-4283
30	3.000	2.900	WM6530-ND	1.84	1.63	1.09	22-28-4303
32	3.200	3.100	WM6532-ND	1.95	1.73	1.15	22-28-4323
34	3.400	3.300	WM6534-ND	2.06	1.82	1.22	22-28-4343
36	3.600	3.500	WM6536-ND	2.17	1.92	1.28	22-28-4363
Fig. 2 — Single Row, Vertical - Tin							
2	.200	.100	WM6602-ND	.32	.29	.19	22-28-4021
3	.300	.200	WM6603-ND	.36	.34	.23	22-28-4031
4	.400	.300	WM6604-ND	.43	.38	.26	22-28-4041
5	.500	.400	WM6605-ND	.48	.43	.29	22-28-4051
6	.600	.500	WM6606-ND	.54	.48	.32	22-28-4061
7	.700	.600	WM6607-ND	.59	.53	.35	22-28-4071
8	.800	.700	WM6608-ND	.65	.58	.39	22-28-4081
9	.900	.800	WM6609-ND	.70	.62	.42	22-28-4091
10	1.000	.900	WM6610-ND	.76	.67	.45	22-28-4101
11	1.100	1.000	WM6611-ND	.81	.72	.48	22-28-4111
12	1.200	1.100	WM6612-ND	.86	.77	.51	22-28-4121
14	1.400	1.300	WM6614-ND	.97	.86	.58	22-28-4141
16	1.600	1.500	WM6616-ND	1.08	.96	.64	22-28-4161
18	1.800	1.700	WM6618-ND	1.19	1.06	.71	22-28-4181
20	2.000	1.900	WM6620-ND	1.30	1.15	.77	22-28-4201
22	2.200	2.100	WM6622-ND	1.41	1.25	.83	22-28-4221
24	2.400	2.300	WM6624-ND	1.52	1.34	.90	22-28-4241
26	2.600	2.500	WM6626-ND	1.63	1.44	.96	22-28-4261
28	2.800	2.700	WM6628-ND	1.73	1.54	1.03	22-28-4281
30	3.000	2.900	WM6630-ND	1.84	1.63	1.09	22-28-4301
32	3.200	3.100	WM6632-ND	1.95	1.73	1.15	22-28-4321
34	3.400	3.300	WM6634-ND	2.06	1.82	1.22	22-28-4341
36	3.600	3.500	WM6636-ND	2.17	1.92	1.28	22-28-4361
Fig. 2 — Single Row, Vertical - 15µ Select Gold							
2	.200	.100	WM6702-ND	.35	.31	.21	22-28-4024
3	.300	.200	WM6703-ND	.41	.37	.25	22-28-4034
4	.400	.300	WM6704-ND	.48	.43	.29	22-28-4044
5	.500	.400	WM6705-ND	.55	.49	.33	22-28-4054
6	.600	.500	WM6706-ND	.62	.55	.37	22-28-4064
7	.700	.600	WM6707-ND	.68	.61	.41	22-28-4074
8	.800	.700	WM6708-ND	.75	.67	.45	22-28-4084
9	.900	.800	WM6709-ND	.82	.73	.49	22-28-4094
10	1.000	.900	WM6710-ND	.89	.79	.53	22-28-4104
11	1.100	1.000	WM6711-ND	.95	.85	.57	22-28-4114
12	1.200	1.100	WM6712-ND	1.02	.91	.61	22-28-4124
14	1.400	1.300	WM6714-ND	1.16	1.03	.69	22-28-4144
16	1.600	1.500	WM6716-ND	1.29	1.14	.76	22-28-4164
18	1.800	1.700	WM6718-ND	1.43	1.26	.84	22-28-4184
20	2.000	1.900	WM6720-ND	1.56	1.38	.92	22-28-4204
22	2.200	2.100	WM6722-ND	1.70	1.50	1.00	22-28-4224
24	2.400	2.300	WM6724-ND	1.83	1.62	1.08	22-28-4244
26	2.600	2.500	WM6726-ND	1.97	1.74	1.16	22-28-4264
28	2.800	2.700	WM6728-ND	2.10	1.86	1.24	22-28-4284
30	3.000	2.900	WM6730-ND	2.24	1.98	1.32	22-28-4304
32	3.200	3.100	WM6732-ND	2.37	2.10	1.40	22-28-4324
34	3.400	3.300	WM6734-ND	2.51	2.22	1.48	22-28-4344
36	3.600	3.500	WM6736-ND	2.64	2.33	1.56	22-28-4364
Fig. 3 — Single Row, Vertical - Tin							
2	.200	.100	WM17436-ND	.32	.29	.19	68301-1054
3	.300	.200	WM17436-ND	.46	.41	.28	68301-1014
4	.400	.300	WM17437-ND	.56	.50	.33	68301-1015

(Continued)

Cir-cuits	Dim. (Inch) A	Dim. (Inch) B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
5	.500	.400	WM17438-ND	.70	.62	.42	68301-1016
6	.600	.500	WM17439-ND	.83	.74	.49	68301-1017
7	.700	.600	WM17440-ND	.98	.87	.58	68301-1018
8 *	.800	.700	WM17441-ND	1.14	1.01	.67	68301-1019
	Fig. 3 — Single Row, Vertical - 15µ Select Gold						
2	.200	.100	WM17442-ND	.38	.34	.23	68301-1055
3	.300	.200	WM17443-ND	.54	.48	.32	68301-1009
4	.400	.300	WM17444-ND	.69	.61	.41	68301-1005
5	.500	.400	WM17445-ND	.84	.74	.50	68301-1006
6	.600	.500	WM17446-ND	.98	.87	.58	68301-1011
7	.700	.600	WM17447-ND	1.13	1.00	.67	68301-1012
8	.800	.700	WM17448-ND	1.29	1.14	.76	68301-1013
	.100" C-Grid® Breakaway Header						
	Fig. 4 — Dual Row, Vertical - 15µ min. Select Gold — RoHS Compliant						
4	.200	.100	WM26804-N D	.55	.49	.33	10-89-7042
6	.300	.200	WM26806-ND	.71	.63	.42	10-89-7062
8	.400	.300	WM26808-ND	.88	.78	.52	10-89-7082
10	.500	.400	WM26810-ND	1.05	.93	.62	10-89-7102
12	.600	.500	WM26812-ND	1.21	1.08	.72	10-89-7122
14	.700	.600	WM26814-ND	1.38	1.22	.82	10-89-7142
16	.800	.700	WM26816-ND	1.55	1.37	.92	10-89-7162
18	.900	.800	WM26818-ND	1.72	1.52	1.01	10-89-7182
20	1.000	.900	WM26820-ND	1.88	1.67	1.11	10-89-7202
22	1.100	1.000	WM26822-ND	2.05	1.81	1.21	10-89-7222
24	1.200	1.100	WM26824-ND	2.22	1.96	1.31	10-89-7242
26	1.300	1.200	WM26826-ND	2.38	2.11	1.41	10-89-7262
28	1.400	1.300	WM26828-ND	2.55	2.25	1.50	10-89-7282
30	1.500	1.400	WM26830-ND	2.72	2.40	1.60	10-89-7302
32	1.600	1.500	WM26832-ND	2.88	2.55	1.70	10-89-7322
34	1.700	1.600	WM26834-ND	3.05	2.70	1.80	10-89-7342
36	1.800	1.700	WM26836-ND	3.22	2.84	1.90	10-89-7362
38	1.900	1.800	WM26838-ND	3.38	2.99	2.00	10-89-7382
40	2.000	1.900	WM26840-ND	3.55	3.14	2.09	10-89-7402
42	2.100	2.000	WM26842-ND	3.72	3.29	2.19	10-89-7422
44	2.200	2.100	WM26844-ND	3.89	3.43	2.29	10-89-7442
46	2.300	2.200	WM26846-ND	4.05	3.58	2.39	10-89-7462
48	2.400	2.300	WM26848-ND	4.22	3.73	2.49	10-89-7482
50	2.500	2.400	WM26850-ND	4.39	3.87	2.59	10-89-7502
52	2.600	2.500	WM26852-ND	4.55	4.02	2.68	10-89-7522
54	2.700	2.600	WM26854-ND	4.72	4.17	2.78	10-89-7542
56	2.800	2.700	WM26856-ND	4.89	4.32	2.88	10-89-7562
58	2.900	2.800	WM26858-ND	5.05	4.46	2.98	10-89-7582
60	3.000	2.900	WM26860-ND	5.22	4.61	3.08	10-89-7602
62	3.100	3.000	WM26862-ND	5.39	4.76	3.17	10-89-7622
64	3.200	3.100	WM26864-ND	5.56	4.91	3.27	10-89-7642
66	3.300	3.200	WM26866-ND	5.72	5.05	3.37	10-89-7662
68	3.400	3.300	WM26868-ND	5.89	5.20	3.47	10-89-7682
70	3.500	3.400	WM26870-ND	6.06	5.35	3.57	10-89-7702
72	3.600	3.500	WM26872-ND	6.22	5.50	3.67	10-89-7722
74	3.700	3.600	WM26874-ND	6.39	5.64	3.76	10-89-7742
76	3.800	3.700	WM26876-ND	6.56	5.79	3.86	10-89-7762
78	3.900	3.800	WM26878-ND	6.72	5.94	3.96	10-89-7782
80	4.000	3.900	WM26880-ND	6.89	6.08	4.06	10-89-7802
100	5.000	4.900	WM26810-N D	8.56	7.56	5.04	70280-0458
	Fig. 4 — Dual Row, Vertical, Compliant Press Fit Tail - 15µ min. Select Gold						
4	.190	.100	WM7504-ND	.89	.79	.53	75102-0040
6	.290	.200	WM7506-ND	1.22	1.08	.72	75102-0041
8	.390	.300	WM7508-ND	1.56	1.38	.92	75102-0042
10	.490	.400	WM7510-ND	1.90	1.68	1.12	75102-0043
12	.590	.500	WM7512-ND	2.23	1.98	1.32	75102-0044
14	.690	.600	WM7514-ND	2.57	2.27	1.52	75102-0045
16	.790	.700	WM7516-ND	2.91	2.57	1.72	75102-0046
18	.890	.800	WM7518-ND	3.24	2.87	1.91	75102-0047
20	.990	.900	WM7520-ND	3.58	3.16	2.11	75102-0048
22	1.090	1.000	WM7522-ND	3.92	3.46	2.31	75102-0049
24	1.190	1.100	WM7524-ND	4.26	3.76	2.51	75102-0050
26	1.290	1.200	WM7526-ND	4.59	4.06	2.71	75102-0051
28	1.390	1.300	WM7528-ND	4.93	4.35	2.90	75102-0052
30	1.490	1.400	WM7530-ND	5.27	4.65	3.10	75102-0053
32	1.590	1.500	WM7532-ND	5.60	4.95	3.30	75102-0054
34	1.690	1.600	WM7534-ND	5.94	5.25	3.50	75102-0055
36	1.790	1.700	WM7536-ND	6.28	5.54	3.70	75102-0056
38	1.890	1.800	WM7538-ND	6.61	5.84	3.90	75102-0057
40	1.990	1.900	WM7540-ND	6.95	6.14	4.10	75102-0058
42	2.090	2.000	WM7542-ND	7.29	6.43	4.29	75102-0059
44	2.190	2.100	WM7544-ND	7.62	6.73	4.49	75102-0060
46	2.290	2.200	WM7546-ND	7.96	7.03	4.69	75102-0061
48	2.390	2.300	WM7548-ND	8.30	7.33	4.89	75102-0062
50	2.490	2.400	WM7550-ND	8.64	7.62	5.08	75102-0063
52	2.590	2.500	WM7552-ND	8.97	7.92	5.28	75102-0064
54	2.690	2.600	WM7554-ND	9.31	8.22	5.48	75102-0065
56	2.790	2.700	WM7556-ND	9.65	8.52	5.68	75102-0066
58	2.890	2.800	WM7558-ND	9.98	8.81	5.88	75102-0067
60	2.990	2.900	WM7560-ND	10.32	9.11	6.08	75102-0068
62	3.090	3.000	WM7562-ND	10.66	9.41	6.27	75102-0069
64	3.190	3.100	WM7564-ND	10.99	9.70	6.47	75102-0070
66	3.290	3.200	WM7566-ND	11.33	10.00	6.67	75102-0071
68	3.390	3.300	WM7568-ND	11.67	10.30	6.87	75102-0072
70	3.490	3.400	WM7570-ND	12.00	10.60	7.07	75102-0073
72	3.590	3.500	WM7572-ND	12.34	10.89	7.26	75102-0074
74	3.690	3.600	WM7574-ND	12.68	11.19	7.46	75102-0075
76	3.790	3.700	WM7576-ND	13.02	11.49	7.66	75102-0076
	Fig. 4 — Dual Row, Vertical, Compliant Press Fit Tail - Tin — RoHS Compliant						
4	.200	.100	WM26904-ND	.49	.43	.29	10-89-7041
6	.300	.200	WM26906-ND	.62	.55	.37	10-89-7061
8	.400	.300	WM26908-ND	.76	.67	.45	10-89-7081
10	.500	.400	WM26910-ND	.90	.79	.53	10-89-7101
12	.600	.500	WM26912-ND	1.03	.92	.61	10-89-7121
14	.700	.600	WM26914-ND	1.17	1.04	.69	10-89-7141
16	.800	.700	WM26916-ND	1.31	1.16	.77	10-89-7161
18	.900	.800	WM26918-ND	1.44	1.28	.85	10-89-7181
20	1.000	.900	WM26920-ND	1.58	1.40	.93	10-89-7201
22	1.100	1.000	WM26922-ND	1.72	1.52	1.01	10-89-7221
24	1.200	1.100	WM26924-ND	1.85	1.64	1.09	10-89-7241
26	1.300	1.200	WM26926-ND	1.99	1.76	1.17	10-89-7261
28	1.400	1.300	WM26928-ND	2.13	1.88	1.25	10-89-7281

Cir-cuits	Dim. (Inch) A	Dim. (Inch) B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
30	1.500	1.400	WM26930-ND	2.26	2.00	1.34	10-89-7301
32	1.600	1.500	WM26932-ND	2.40	2.12	1.42	10-89-7321
34	1.700	1.600	WM26934-ND	2.53	2.24	1.50	10-89-7341
36	1.800	1.700	WM26936-ND	2.67	2.36	1.58	10-89-7361
38	1.900	1.800	WM26938-ND	2.81	2.48	1.66	10-89-7381
40	2.000	1.900	WM26940-ND	2.94	2.60	1.74	10-89-7401
42	2.100	2.000	WM26942-ND	3.08	2.72	1.82	10-89-7421
44	2.200	2.100	WM26944-ND	3.22	2.84	1.90	10-89-7441
46	2.300	2.200	WM26946-ND	3.35	2.96	1.98	10-89-7461
48	2.400	2.300	WM26948-ND	3.49	3.08	2.06	10-89-7481
50	2.500	2.400	WM26950-ND	3.63	3.21	2.14	10-89-7501
52	2.600	2.500	WM26952-ND	3.76	3.33	2.22	10-89-7521
54	2.700	2.600	WM26954-ND	3.90	3.45	2.30	10-89-7541
56	2.800	2.700	WM26956-ND	4.04	3.57	2.38	10-89-7561
58	2.900	2.800	WM26958-ND	4.17	3.69	2.46	10-89-7581
60	3.000	2.900	WM26960-ND	4.31	3.81	2.54	10-89-7601
62	3.100	3.000	WM26962-ND	4.45	3.93	2.62	10-89-7621
64	3.200	3.100	WM26964-ND	4.58	4.05	2.70	10-89-7641
66	3.300	3.200	WM26966-ND	4.72	4.17	2.78	10-89-7661
68	3.400	3.300	WM26968-ND	4.86	4.29	2.86	10-89-7681
70	3.500	3.400	WM26970-ND	4.99	4.41	2.94	10-89-7701
72	3.600	3.500	WM26972-ND	5.13	4.53	3.02	10-89-7721
74	3.700	3.600	WM26974-ND	5.27	4.65	3.10	10-89-7741
76	3.800	3.700	WM26976-ND	5.40	4.77	3.18	10-89-7761
78	3.900	3.800	WM26978-ND	5.54	4.89	3.26	10-89-7781
80	4.000	3.900	WM26980-ND	5.68	5.01	3.34	10-89-7801
100	5.000	4.900	WM26100-ND	7.04	6.22	4.15	70280-0448
	Fig. 4 — Dual Row, Vertical, Compliant Press Fit Tail - 150µ Tin/Lead, Nickel Overall						
4	.190	.100	WM7404-ND	.71	.63	.42	75102-0079
6	.290	.200	WM7406-ND	.96	.85	.57	75102-0080
8	.390	.300	WM7408-ND	1.21	1.07	.72	75102-0081
10	.490	.400	WM7410-ND	1.46	1.29	.86	75102-0082
12	.590	.500	WM7412-ND	1.71	1.51	1.01	75102-0083
14	.690	.600	WM7414-ND	1.96	1.73	1.16	75102-0084
16	.790	.700	WM7416-ND	2.21	1.95	1.30	75102-0085
18	.890	.800	WM7418-ND	2.46	2.17	1.45	75102-0086
20	.990	.900	WM7420-ND	2.70	2.39	1.60	75102-0087
22	1.090	1.000	WM7422-ND	2.95	2.61	1.74	75102-0088
24	1.190	1.100	WM7424-ND	3.20	2.83	1.89	75102-0089
26	1.290	1.200	WM7426-ND	3.45	3.05	2.04	75102-0090
28	1.390	1.300	WM7428-ND	3.70	3.27	2.18	75102-0091
30	1.490	1.400	WM7430-ND	3.95	3.49	2.33	75102-0092
32	1.590	1.500	WM7432-ND	4.20	3.71	2.48	75102-0093
34	1.690	1.600	WM7434-ND	4.45	3.93	2.62	75102-0094
36	1.790	1.700	WM7436-ND	4.70	4.15	2.77	75102-0095
38	1.890	1.800	WM7438-ND	4.95	4.37	2.91	75102-0096
40	1.990	1.900	WM7440-ND	5.20	4.59	3.06	75102-0097
42	2.090	2.000	WM7442-ND	5.45	4.81	3.21	75102-0098
44	2.190	2.100	WM7444-ND	5.69	5.03	3.35	75102-0099
46	2.290	2.200	WM7446-ND	5.94	5.25	3.50	75102-0100
48	2.390	2.300	WM7448-ND	6.19	5.47	3.65	75102-0101
50	2.490	2.400	WM7450-ND	6.44	5.69	3.79	75102-0102
52	2.590	2.500	WM7452-ND	6.69	5.91	3.94	75102-0103
54	2.690	2.600	WM7454-ND	6.94	6.13	4.09	75102-0104
56	2.790	2.700	WM7456-ND	7.19	6.35	4.23	75102-0105
58	2.890	2.800	WM7458-ND	7.44	6.57	4.38	75102-0106
60	2.990	2.900	WM7460-ND	7.69	6.79	4.53	75102-0107
62	3.090	3.000	WM7462-ND	7.94	7.01	4.67	75102-0108
64	3.190	3.100	WM7464-ND	8.19	7.23	4.82	75102-0109
66	3.290	3.200	WM7466-ND	8.44	7.45	4.97	75102-0110
68	3.390	3.300	WM7468-ND	8.68	7.67	5.11	75102-0111
70	3.490	3.400	WM7470-ND	8.93	7.89	5.26	75102-0112
72	3.590	3.500	WM7472-ND	9.18	8.11	5.41	75102-0113
74	3.690	3.600	WM7474-ND	9.43	8.33	5.55	75102-0114
76	3.790	3.700	WM7476-ND	9.68	8.55	5.70	75102-0115
78	3.890	3.800	WM7478-ND	10.18	8.99	5.99	75102-0116
80	3.990	3.900	WM7480-ND	10.18	8.99	5.99	75102-0117
	Fig. 5 — Dual Row, Low Profile, Right Angle - 15µ min. Select Gold — RoHS Compliant						
4	.200	.100	WM27004-ND	.60	.53	.35	71764-0104
6	.300	.200	WM27006-ND	.79	.70	.47	71764-0106
8	.400	.300	WM27008-ND	.98	.87	.58	71764-0108
10	.500	.400	WM27010-ND	1.17	1.04	.69	71764-0110
12	.600	.500	WM27012-ND	1.36	1.20	.80	71764-0112
14	.700	.600	WM27014-ND	1.55	1.37	.92	71764-0114
16	.800	.700	WM27016-ND	1.74	1.54	1.03	71764-0116
18	.900	.800	WM27018-ND	1.93	1.71	1.14	71764-0118
20	1.000	.900	WM27020-ND	2.13	1.88	1.25	71764-0120
22	1.100	1.000	WM27022-ND	2.32	2.05	1.37	71764-0122
24	1.200	1.100	WM27024-ND	2.51	2.22	1.48	71764-0124
26	1.300	1.200	WM27026-ND	2.70	2.39	1.59	71764-0126
28	1.400	1.300	WM27028-ND	2.89	2.55	1.70	71764-0128
30	1.500	1.400	WM27030-ND	3.08	2.72	1.82	71764-0130
32	1.600	1.500	WM27032-ND	3.27	2.89	1.93	71764-0132
34	1.700	1.600	WM27034-ND	3.46	3.06	2.04	71764-0134
36	1.800	1.700	WM27036-ND	3.65	3.23	2.15	71764-0136
38	1.900	1.800	WM27038-ND	3.85	3.40	2.27	71764-0138
40	2.000	1.900	WM27040-ND	4.04	3.57	2.38	71764-0140
42	2.100	2.000	WM27042-ND	4.23	3.74	2.49	71764-0142
44	2.200	2.100	WM27044-ND	4.42	3.90	2.60	71764-0144
46	2.300	2.200	WM27046-ND	4.61	4.07	2.72	71764-0146
48	2.400	2.300	WM27048-ND	4.80	4.24	2.83	71764-0148
50	2.500	2.400	WM27050-ND	4.99	4.41	2.94	71764-0150
52	2.600	2.500	WM27052-ND	5.19	4.58	3.05	71764-0152
54	2.700	2.600	WM27054-ND	5.38	4.75	3.17	71764-0154
56	2.800	2.700	WM27056-ND	5.57	4.92	3.28	71764-0156
58	2.900	2.800	WM27058-ND	5.76	5.09	3.39	71764-0158
60	3.000	2.900	WM27060-ND	5.95	5.25	3.50	71764-0160
62	3.100	3.000	WM27062-ND	6.14	5.42	3.62	71764-0162
64	3.200	3.100	WM27064-ND	6.33	5.59	3.73	71764-0164
66	3.300	3.200	WM27066-ND	6.52	5.76	3.84	71764-0166
68	3.400	3.300	WM27068-ND	6.72	5.93	3.95	71764-0168
70	3.500	3.400	WM27070-ND	6.91	6.10	4.07	71764-0170
72	3.600	3.500	WM27072-ND	7.10	6.27	4.18	71764-0172
74	3.700	3.600	WM27074-ND	7.29	6.44	4.29	71764-0174
76	3.800	3.700	WM27076-ND	7.48	6.60	4.40	71764-0176
78	3.900	3.800	WM27078-ND	7.67	6.77	4.52	71764-0178
80	4.000	3.900	WM27080-ND	7.86	6.94	4.63	71764-0180

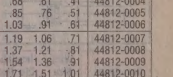
Cir-cuits	Dim. (Inch) A	Dim. (Inch) B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
	Fig. 5 — Dual Row, Low Profile, Right Angle - 150µ Tin/Lead, Nickel Overall — RoHS Compliant						
4	.200	.100	WM27104-ND	.50	.45	.30	71764-0004
6	.300	.200	WM27106-ND	.64	.57	.38	71764-0006
8	.400	.300	WM27108-ND	.79	.70	.47	71764-0008
10	.500	.400	WM27110-ND	.93	.82	.55	71764-0010
12	.600	.500	WM27112-ND	1.07	.95	.64	71764-0012
14	.700	.600	WM27114-ND	1.22	1.08	.72	71764-0014
16	.800	.700	WM27116-ND	1.36	1.20	.80	71764-0016
18	.900	.800	WM27118-ND	1.50	1.33	.89	71764-0018
20	1.000	.900	WM27120-ND	1.65	1.46	.97	71764-0020
22	1.100	1.000	WM27122-ND	1.79	1.58	1.06	71764-0022
24	1.200	1.100	WM27124-ND	1.93	1.71	1.14	71764-0024
26	1.300	1.200	WM27126-ND	2.08	1.84	1.23	71764-0026
28	1.400	1.300	WM27128-ND	2.22	1.96	1.31	71764-0028
30	1.500	1.400	WM27130-ND	2.36	2.09	1.40	71764-0030
32	1.600	1.500	WM27132-ND	2.51	2.22	1.48	71764-0032
34	1.700	1.600	WM27134-ND	2.65	2.34	1.56	71764-0034
36	1.800	1.700	WM27136-ND	2.79	2.47	1.65	71764-0036
38	1.900	1.800	WM27138-ND	2.94	2.60	1.73	71764-0038
40	2.000	1.900	WM27140-ND	3.08	2.72	1.82	71764-0040
42	2.100	2.000	WM27142-ND	3.22	2.85	1.90	71764-0042
44	2.200	2.100	WM27144-ND	3.37	2.98	1.99	71764-0044
46	2.300	2.200	WM27146-ND	3.51	3.10	2.07	71764-0046
48	2.400	2.300	WM27148-ND	3.66	3.23	2.15	71764-0048
50	2.500	2.400	WM27150-ND	3.80	3.36	2.24	71764-0050
52	2.600	2.500	WM27152-ND	3.94	3.48	2.32	71764-0052
54	2.700	2.600	WM27154-ND	4.09	3.61	2.41	71764-0054
56	2.800	2.700	WM27156-ND	4.23	3.74	2.49	71764-0056
58	2.900	2.800	WM27158-ND	4.37	3.86	2.58	71764-0058
60	3.000	2.900	WM27160-ND	4.52	3.99	2.66	71764-0060
62	3.100	3.000	WM27162-ND	4.66	4.12	2.75	71764-0062
64	3.200	3.100	WM27164-ND	4.80	4.24	2.83	71764-0064
66	3.300	3.200	WM27166-ND	4.95	4.37	2.91	71764-0066
68	3.400	3.300	WM27168-ND	5.09	4.50	3.00	71764-0068
70	3.500	3.400	WM27170-ND	5.23	4.62	3.08	71764-0070
72	3.600	3.500	WM27172-ND	5.38	4.75	3.17	71764-0072
74	3.700	3.600	WM27174-ND	5.52	4.87	3.25	71764-0074
76	3.800	3.700	WM27176-ND	5.66	5.00	3.34	71764-0076
78	3.900	3.800	WM27178-ND	5.81	5.13	3.42	71764-0078
80	4.000	3.900	WM27180-ND	5.95	5.25	3.50	71764-0080
	Fig. 6 — Dual Row, Vertical - Tin						
6	.300	.200	WM17449-ND	1.26	1.11	.74	15-91-2060
8	.400	.300	WM17450-ND	1.60	1.41	.94	15-91-2080
10	.500	.400	WM17451-ND	1.79	1.59	1.06	15-91-2100
12	.600	.500	WM17452-ND	2.00	1.78	1.36	15-91-2120
14	.700	.600	WM17454-ND	2.73	2.42	1.61	15-91-2140
16	.800	.700	WM17454-ND	2.87	2.53	1.69	15-91-2160
18	.900	.800	WM17455-ND	3.04	2.69	1.79	15-91-2180
20	1.000	.900	WM17456-ND	3.60	3.18	2.12	15-91-2200
	Fig. 6 — Dual Row, Vertical - 15µ Select Gold						
6	.300	.200	WM17457-ND	1.57	1.39	.93	15-91-0060
8	.400	.300	WM17458-ND	1.87	1.65	1.11	15-91-0080
10	.500	.400	WM17459-ND	2.15	1.90	1.27	15-91-0100
12	.600	.500	WM17460-ND	2.73	2.41	1.61	15-91-0120
14	.700	.600	WM17461-ND	3.23	2.85	1.91	15-91-0140
16	.800	.700	WM17462-ND	3.44	3.04	2.03	15-91-0160
18	.900	.800	WM17463-ND	4.10	3.62	2.42	15-91-0180
20	1.000	.900	WM17464-ND	4.31	3.80	2.54	15-91-0200

Plating	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
	NEW! Fig. 7 — Shunt/Jumper — RoHS Compliant NEW!				
Gold	WM23943-ND	.39	.35	.23	15-29-1025
Tin/Lead	WM23944-ND	.36	.32	.22	15-38-1026

.100" KK® PC Board Receptacles, Top and Bottom Entry, Low Profile

Material:
- Housing: High temperature nylon, Glass-filled, UL 94V, Color: Black
- Terminal: Modified Tin/Brass alloy

Finish:
- Tin: 200µ Minimum
- Select Gold: 15µ Minimum



Cir-cuits	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
		Tin				
2	.230 (5.84)	WM18590-ND	.34	.31	.21	44812-0002
3	.330 (8.38)	WM18591-ND	.49	.44	.29	44812-0003
4	.430 (10.92)	WM18592-ND	.68	.61	.41	44812-0004
5	.530 (13.46)	WM18593-ND	.85	.76	.51	44812-0005
6	.630 (16.00)	WM18594-ND	1.03	.91	.61	44812-0006
7	.730 (18.54)	WM18595-ND	1.19	1.06	.71	44812-0007
8	.830 (21.08)	WM18596-ND	1.37	1.21	.81	44812-0008
9	.930 (23.62)	WM18597-ND	1.54	1.36	.91	44812-0009
10	1.030 (26.16)	WM18598-ND	1.71	1.52	1.01	44812-0010
11	1.130 (28.70)	WM18599-ND	1.88	1.67	1.11	44812-0011
12	1.230 (31.24)	WM18600-ND	2.05	1.81	1.21	44812-0012
		Select Gold				
2	.230 (5.84)	WM18601-ND	.66	.59	.39	44812-0020
3	.330 (8.38)	WM18602-ND	.99	.88	.59	44812-0021
4	.430 (10.92)	WM18603-ND	1.32	1.17	.78	44812-0022
5	.530 (13.46)	WM18604-ND	1.65	1.46	.98	44812-0023
6	.630 (16.00)	WM18605-ND	1.98	1.75	1.17	44812-0024
7	.730 (18.54)	WM18606-ND	2.31	2.05	1.37	44812-0025
8	.830 (21.08)	WM18607-ND	2.64	2.33	1.56	44812-0026
9	.930 (23.62)	WM18608-ND	2.97	2.63	1.75	44812-0027
10	1.030 (26.16)	WM18609-ND	3.30	2.92	1.95	44812-0028
11	1.130 (28.70)	WM18610-ND	3.63	3.21	2.14	44812-0029
12	1.230 (31.24)	WM18611-ND	3.96	3.50	2.33	44812-0030

molex Waldon ELECTRONICS

.100" (2.54mm) Center Headers

.025" (.64mm) Square Pins The Molex KK® Concept utilizes a double cantilever contact design in mating with P.C. board pins. UL Recognized (File #29179), CSA Recognized (File 19980) **Voltage Rating:** 250VAC maximum **Current Rating:** Up to 2.5 Amps (with 22 AWG wire) **Resistance:** 20mΩ maximumm **Dielectric Withstanding Voltage:** 1500VAC for 60 seconds **Storage Temp.:** -40°C ~ 105°C **Material:** 94V-0

Fig. 1 - Straight Header

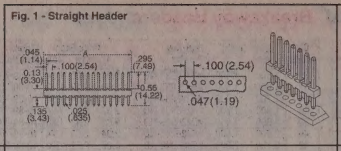


Fig. 2 - Right Angle Header

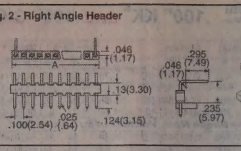


Fig. 3 - Straight-Friction Lock Header

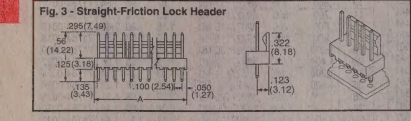


Fig. 4 - Right Angle-Friction Lock Header

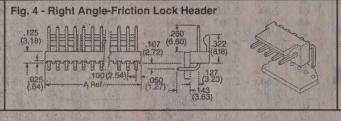


Fig. 5 - Center Crimp Terminal Housing (contacts sold separately)

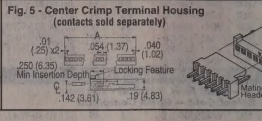


Fig.	Cir-cuits	Dim. A In. (mm)	Digi-Key Part No.	Pricing 1	10	100	500	1,000	Molex Part No.
			.100" (2.54mm) Center Headers Tin Plating						
	2	.190 (4.83)	WM4000-ND	.28	2.47	16.48	65.93	109.44	22-03-2021
	3	.290 (7.37)	WM4001-ND	.41	3.66	24.38	97.52	161.88	22-03-2031
	4	.390 (9.91)	WM4002-ND	.51	4.54	30.26	121.05	200.94	22-03-2041
	5	.490 (12.45)	WM4003-ND	.61	5.41	36.09	144.37	239.65	22-03-2051
	6	.590 (14.99)	WM4004-ND	.71	6.30	41.98	167.90	278.71	22-03-2061
1	7	.690 (17.53)	WM4005-ND	.82	7.23	48.23	192.92	320.25	22-03-2071
	8	.790 (20.07)	WM4006-ND	.82	7.23	48.23	192.92	320.25	22-03-2081
	9	.890 (22.61)	WM4007-ND	.91	8.03	53.53	214.12	355.44	22-03-2091
	10	.990 (25.15)	WM4008-ND	.91	8.05	53.66	214.65	356.32	22-03-2101
	11	1.090 (27.69)	WM4009-ND	1.00	8.84	58.94	235.74	391.33	22-03-2111
	12	1.190 (30.23)	WM4010-ND	1.08	9.55	63.68	254.72	422.84	22-03-2121
	2	.190 (4.83)	WM4100-ND	.34	2.98	19.85	79.39	131.79	22-05-2021
	3	.290 (7.37)	WM4101-ND	.44	3.91	26.05	104.20	172.97	22-05-2031
	4	.390 (9.91)	WM4102-ND	.56	4.91	32.76	131.02	217.49	22-05-2041
	5	.490 (12.45)	WM4103-ND	.67	5.92	39.46	157.83	262.00	22-05-2051
	6	.590 (14.99)	WM4104-ND	.78	6.92	46.14	184.55	306.35	22-05-2061
2	7	.690 (17.53)	WM4105-ND	.89	7.86	52.42	209.67	348.05	22-05-2071
	8	.790 (20.07)	WM4106-ND	1.01	8.93	59.52	238.08	395.21	22-05-2081
	9	.890 (22.61)	WM4107-ND	1.13	9.97	66.49	265.95	441.48	22-05-2091
	10	.990 (25.15)	WM4108-ND	1.13	10.00	66.65	266.59	442.54	22-05-2101
	11	1.090 (27.69)	WM4109-ND	1.24	10.94	72.90	291.61	484.07	22-05-2111
	12	1.190 (30.23)	WM4110-ND	1.33	11.75	78.31	313.23	519.96	22-05-2121
	2	.200 (5.08)	WM4200-ND	.34	2.98	19.85	79.39	131.79	22-23-2021
	3	.300 (7.62)	WM4201-ND	.43	3.78	25.25	100.91	167.52	22-23-2031
	4	.400 (10.16)	WM4202-ND	.51	4.54	30.26	121.05	200.94	22-23-2041
	5	.500 (12.70)	WM4203-ND	.59	5.24	34.90	139.60	231.74	22-23-2051
	6	.600 (15.24)	WM4204-ND	.66	5.86	39.06	156.24	259.36	22-23-2061
3	7	.700 (17.78)	WM4205-ND	.76	6.73	44.89	179.56	298.07	22-23-2071
	8	.800 (20.32)	WM4206-ND	.86	7.62	50.78	203.10	337.15	22-23-2081
	9	.900 (22.86)	WM4207-ND	.95	8.42	56.15	224.61	372.85	22-23-2091
	10	1.000 (25.40)	WM4208-ND	.96	8.49	56.61	226.42	375.86	22-23-2101
	11	1.100 (27.94)	WM4209-ND	1.05	9.28	61.88	247.51	410.87	22-23-2111
	12	1.200 (30.48)	WM4210-ND	1.13	10.00	66.65	266.59	442.54	22-23-2121
	2	.200 (5.08)	WM4300-ND	.55	4.85	32.36	129.43	214.85	22-05-3021
	3	.300 (7.62)	WM4301-ND	.71	6.30	41.98	167.90	278.71	22-05-3031
	4	.400 (10.16)	WM4302-ND	.88	7.80	51.97	207.87	345.06	22-05-3041
	5	.500 (12.70)	WM4303-ND	.95	8.42	56.15	224.61	372.85	22-05-3051
	6	.600 (15.24)	WM4304-ND	1.05	9.30	62.01	248.04	411.75	22-05-3061
4	7	.700 (17.78)	WM4305-ND	1.22	10.73	71.52	286.09	474.91	22-05-3071
	8	.800 (20.32)	WM4306-ND	1.26	11.12	74.15	296.59	492.34	22-05-3081
	9	.900 (22.86)	WM4307-ND	1.30	11.50	76.64	306.55	508.87	22-05-3091
	10	1.000 (25.40)	WM4308-ND	1.32	11.62	77.46	309.84	514.33	22-05-3101
	11	1.100 (27.94)	WM4309-ND	1.44	12.69	84.59	338.35	561.66	22-05-3111
	12	1.200 (30.48)	WM4310-ND	1.47	13.00	86.68	346.73	575.57	22-05-3121
			.100" (2.54mm) Center Header Gold Plating						
	2	.190 (4.83)	WM2722-ND	.62	5.48	36.52	146.07	242.48	22-10-2021
	3	.290 (7.37)	WM2723-ND	.86	7.55	50.32	201.29	334.14	22-10-2031
	4	.390 (9.91)	WM2724-ND	1.10	9.75	64.98	259.91	431.45	22-10-2041
	5	.490 (12.45)	WM2725-ND	1.35	11.94	79.61	318.42	528.58	22-10-2051
	6	.590 (14.99)	WM2726-ND	1.59	14.07	93.81	375.24	622.90	22-10-2061
1	7	.690 (17.53)	WM2727-ND	1.77	15.57	103.83	415.31	689.41	22-10-2071
	8	.790 (20.07)	WM2728-ND	2.01	17.70	118.03	472.12	783.72	22-10-2081
	9	.890 (22.61)	WM2729-ND	2.25	19.81	132.08	528.30	876.98	22-10-2091
	10	.990 (25.15)	WM2730-ND	2.48	21.85	145.65	582.58	967.08	22-10-2101
	11	1.090 (27.69)	WM2731-ND	2.73	24.06	160.43	641.72	1065.26	22-10-2111
	12	1.190 (30.23)	WM2732-ND	2.96	26.08	173.87	695.47	1154.48	22-10-2121
2	2	.190 (4.83)	WM2733-ND	.66	5.80	38.64	154.55	256.55	22-12-2021
	3	.290 (7.37)	WM2734-ND	.91	7.99	53.24	212.95	353.50	22-12-2031
	4	.390 (9.91)	WM2735-ND	1.13	10.00	66.65	266.59	442.54	22-12-2041
	5	.490 (12.45)	WM2736-ND	1.39	12.25	81.67	326.69	542.31	22-12-2051
	6	.590 (14.99)	WM2737-ND	1.65	14.57	97.12	388.49	644.89	22-12-2061
2	7	.690 (17.53)	WM2738-ND	1.91	16.82	112.15	448.59	744.66	22-12-2071
	8	.790 (20.07)	WM2739-ND	2.17	19.12	127.47	509.86	846.37	22-12-2081
	9	.890 (22.61)	WM2740-ND	2.43	21.40	142.65	570.60	947.20	22-12-2091
	10	.990 (25.15)	WM2741-ND	2.67	23.59	157.28	629.11	1044.32	22-12-2101
	11	1.090 (27.69)	WM2742-ND	2.93	25.84	172.28	689.11	1143.92	22-12-2111
	12	1.190 (30.23)	WM2743-ND	3.13	27.63	184.20	736.81	1223.10	22-12-2121
	2	.200 (5.08)	WM2700-ND	.68	6.04	40.28	161.12	267.46	22-11-2022
	3	.300 (7.62)	WM2701-ND	1.05	9.24	61.59	246.34	408.92	22-11-2032
	4	.400 (10.16)	WM2702-ND	1.08	9.49	63.28	253.13	420.20	22-11-2042
	5	.500 (12.70)	WM2703-ND	1.48	13.06	87.08	348.32	578.21	22-11-2052
	6	.600 (15.24)	WM2704-ND	1.62	14.32	95.45	381.81	633.80	22-11-2062
3	7	.700 (17.78)	WM2705-ND	1.87	16.51	110.06	440.22	730.77	22-11-2072
	8	.800 (20.32)	WM2706-ND	1.95	17.20	114.69	458.77	761.56	22-11-2082
	9	.900 (22.86)	WM2707-ND	2.18	19.27	128.47	513.86	853.06	22-11-2092
	10	1.000 (25.40)	WM2708-ND	2.41	21.27	141.83	567.31	941.73	22-11-2102
	11	1.100 (27.94)	WM2709-ND	2.65	23.34	155.61	622.43	1033.23	22-11-2112
	12	1.200 (30.48)	WM2710-ND	2.87	25.35	168.99	675.96	1122.09	22-11-2122
	2	.200 (5.08)	WM2711-ND	1.16	10.24	68.29	273.16	453.45	22-12-2024
	3	.300 (7.62)	WM2712-ND	1.46	12.87	85.81	343.23	569.76	22-12-2034
	4	.400 (10.16)	WM2713-ND	1.71	15.07	100.49	401.95	667.24	22-12-2044
	5	.500 (12.70)	WM2714-ND	1.87	16.51	110.06	440.22	730.77	22-12-2054
	6	.600 (15.24)	WM2715-ND	2.03	17.89	119.28	477.11	792.09	22-12-2064
4	7	.700 (17.78)	WM2716-ND	2.20	19.43	129.53	518.13	860.10	22-12-2074
	8	.800 (20.32)	WM2717-ND	2.29	20.22	134.78	539.12	894.94	22-12-2084
	9	.900 (22.86)	WM2718-ND	2.56	22.63	150.87	603.46	1001.74	22-12-2094
	10	1.000 (25.40)	WM2719-ND	2.84	25.03	166.90	667.59	1108.20	22-12-2104
	11	1.100 (27.94)	WM2720-ND	3.11	27.46	183.09	732.35	1215.70	22-12-2114
	12	1.200 (30.48)	WM2721-ND	3.39	29.90	199.33	797.33	1323.57	22-12-2124
			.100" (2.54mm) Center Crimp Terminal Housing (Contacts Sold Separately Below) With Locking Ramp and Polarizing Ribs						
	2	.220 (5.59)	WM2000-ND	.25	2.22	14.81	59.25	98.36	22-01-3027
	3	.320 (8.13)	WM2001-ND	.32	2.78	18.55	74.20	123.17	22-01-3037
	4	.420 (10.67)	WM2002-ND	.39	3.41	22.74	90.95	150.98	22-01-3047
	5	.520 (13.21)	WM2003-ND	.46	4.04	26.93	107.70	178.78	22-01-3057
	6	.620 (15.75)	WM2004-ND	.53	4.66	31.09	124.34	206.40	22-01-3067
5	7	.720 (18.29)	WM2005-ND	.60	5.29	35.27	141.09	234.21	22-01-3077
	8	.820 (20.83)	WM2006-ND	.68	6.02	40.12	160.50	266.40	22-01-3087
	9	.920 (23.37)	WM2007-ND	.73	6.48	43.22	172.89	287.00	22-01-3097
	10	1.020 (25.91)	WM2008-ND	.81	7.17	47.83	191.33	317.61	22-01-3107
	11	1.120 (28.45)	WM2009-ND	.88	7.74	51.60	206.38	342.59	22-01-3117
	12	1.220 (30.99)	WM2010-ND	.94	8.30	55.31	221.22	367.23	22-01-3127
			With Locking Ramp						
	2	.220 (5.59)	WM2011-ND	.23	2.03	13.54	54.17	89.92	22-01-2027
	3	.320 (8.13)	WM2012-ND	.29	2.60	17.31	69.22	114.91	22-01-2037
	4	.420 (10.67)	WM2013-ND	.35	3.10	20.67	82.68	137.25	22-01-2047
	5	.520 (13.21)	WM2014-ND	.41	3.66	24.38	97.52	161.88	22-01-2057
	6	.620 (15.75)	WM2015-ND	.47	4.16	27.75	110.98	184.23	22-01-2067
5	7	.720 (18.29)	WM2016-ND	.54	4.77	31.83	127.31	211.33	22-01-2077
	8	.820 (20.83)	WM2017-ND	.60	5.29	35.27	141.09	234.21	22-01-2087
	9	.920 (23.37)	WM2018-ND	.66	5.80	38.64	154.55	256.55	22-01-2097
	10	1.020 (25.91)	WM2019-ND	.73	6.40	42.69	170.77	283.48	22-01-2107
	11	1.120 (28.45)	WM2020-ND	.78	6.90	46.01	184.02	305.47	22-01-2117
	12	1.220 (30.99)	WM2021-ND	.85	7.46	49.74	198.96	330.27	22-01-2127
	Polarizing Key for .100" Housings		WM2400-ND	1.91/10	12.72/100		50.88/500		15-04-9209
	Polarizing Peg for .100" Housings		WM2401-ND	1.91/10	12.72/100		50.88/500		15-04-9210

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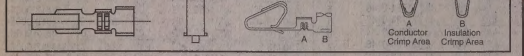
Crimp Terminals For .100" (2.54mm) Center Housings

Material: Brass, Plating: 200-300µ inch Hot-Tin Dip tin plating.



Description	Wire Size	Insulation Dia. (Inch)	Finish	Digi-Key Part No.	Pricing 10	100	500	Molex Part No.
Crimp Terminal For .100 Housing	22-30	.062 Max.	Selective Gold	WM2312-ND	2.80	22.39	93.28	08-55-0102
				WM2312CT-ND*	—	22.39	93.28	08-55-0101
				WM2312TR-ND†		690.00/10,000		08-55-0101
	22-30	.062 Max.	Gold	WM1129-ND	5.73	45.86	191.06	08-56-0110
				WM1129CT-ND*	—	45.86	191.06	08-56-0109
				WM1129TR-ND†		2550.00/10,000		08-56-0109
	22-30	.062 Max.	Tin	WM1114-ND	.74	5.88	24.51	08-50-0114
				WM1114CT-ND*	—	5.88	24.51	08-50-0113
				WM1114TR-ND†		250.00/10,000		
Universal Crimp Tool (Molex)				WM9999-ND		50.75/1		63811-1000
Production Tool (Molex)				WM9915-ND		214.65/1		11-01-0185
Extraction Tool (Molex)				WM9927-ND		10.15/1		11-03-0822
Manual Wire Stripper (Molex)				WM9969-ND		95.16/1		63817-0000

*CT = Cut Tape †TR = Tape and Reel

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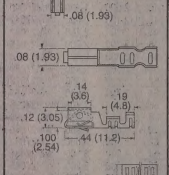
.100" (2.54mm) High Pressure Terminal Housings



- Standard with locking ramp
- 94V-0 material
- Mates with .025" (0.64mm) Pins
- Up to 425 grams normal force
- Multiple contacting points
- Patented double cantilever with box shroud
- Accepts #22 to 30 AWG wire, .062" insulation dia.

Circuits	Dim. A Inch (mm)	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
1	.120 (3.05)	WM2600-ND	29	2.42	17.31	10-11-2013
2	.220 (5.59)	WM2601-ND	24	2.09	13.97	10-11-2023
3	.320 (8.13)	WM2602-ND	30	2.48	17.73	10-11-2033
4	.420 (10.67)	WM2603-ND	37	3.29	21.92	10-11-2043
5	.520 (13.21)	WM2604-ND	44	3.85	25.68	10-11-2053
6	.620 (15.75)	WM2605-ND	50	4.41	29.42	10-11-2063
7	.720 (18.29)	WM2606-ND	56	4.98	33.23	10-11-2073
8	.820 (20.83)	WM2607-ND	63	5.55	36.97	10-11-2083
9	.920 (23.37)	WM2608-ND	69	6.11	40.73	10-11-2093
10	1.020 (25.91)	WM2609-ND	76	6.73	44.89	10-11-2103
11	1.120 (28.45)	WM2610-ND	83	7.30	48.68	10-11-2113
12	1.220 (30.99)	WM2611-ND	89	7.86	52.42	10-11-2123
Crimp Terminal, 22-30, Tin/Copper Plating		WM2612-ND	—	1.96	15.71	08-50-0005
Crimp Terminal, 22-30, Gold Plating		WM23941-ND	◆NEW! —	5.21	41.66	08-55-0129

◆ RoHS Compliant

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

.156" Center Headers
.045" Square Pins

Dimensions Shown in Inches

The Molex KK® Concept utilizes a double cantilever contact design in mating with P.C. board pins. UL Recognized (File #29179), CSA Recognized (File 19980).
• **Voltage Rating:** 250VAC Maximum • **Current Rating:** Up to 7 Amps (with 18 AWG wire) • **Resistance:** 20mΩ maximum • **Dielectric Withstanding Voltage:** 1500VAC for 60 seconds • **Operating Temperature:** 0°C ~ 75°C • **Storage Temperature:** -40°C ~ 105°C • **Material:** 94V-0

Fig. 1 - Straight Header

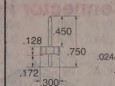


Fig. 2 - Right Angle Header

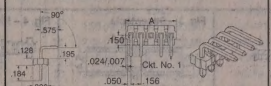


Fig. 3 - Straight-Friction Lock Header for use with Locking Ramp only

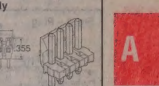


Fig. 4 - Right Angle-Friction Lock Header for use with Locking Ramp only

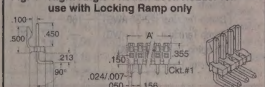


Fig. 5 - Straight Friction Lock Header for use with Locking Ramp & Polarizing Ribs

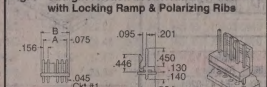


Fig. 6 - Right Angle Friction Lock Header for use with Locking Ramp & Polarizing Ribs

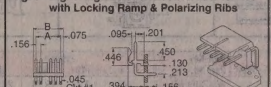


Fig. 7 - Center Crimp Terminal Housing (contacts sold separately)

Fig.	Cir-cuits	Dim. (Inch) A	Dim. (Inch) B	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing 100	Molex Part No.
				.156" Center Headers				
	2	.267	—	WM4400-ND	.35	3.06	20.43	26-48-1021
	3	.423	—	WM4401-ND	.41	3.66	24.39	26-48-1031
	4	.579	—	WM4402-ND	.48	4.25	28.36	26-48-1041
	5	.735	—	WM4403-ND	.55	4.85	32.32	26-48-1051
	6	.891	—	WM4404-ND	.62	5.44	36.28	26-48-1061
1	7	1.047	—	WM4405-ND	.68	6.04	40.25	26-48-1071
	8	1.203	—	WM4406-ND	.75	6.63	44.21	26-48-1081
	9	1.359	—	WM4407-ND	.82	7.23	48.17	26-48-1091
	10	1.515	—	WM4408-ND	.89	7.82	52.14	26-48-1101
	11	1.671	—	WM4409-ND	.95	8.42	56.10	26-48-1111
	12	1.827	—	WM4410-ND	1.02	9.01	60.06	26-48-1121
	2	.267	—	WM4500-ND	.35	3.10	20.70	26-48-1022
	3	.423	—	WM4501-ND	.42	3.72	24.79	26-48-1032
	4	.579	—	WM4502-ND	.49	4.33	28.89	26-48-1042
	5	.735	—	WM4503-ND	.56	4.95	32.99	26-48-1052
	6	.891	—	WM4504-ND	.63	5.56	37.08	26-48-1062
2	7	1.047	—	WM4505-ND	.70	6.18	41.18	26-48-1072
	8	1.203	—	WM4506-ND	.77	6.79	45.28	26-48-1082
	9	1.359	—	WM4507-ND	.84	7.41	49.37	26-48-1092
	10	1.515	—	WM4508-ND	.91	8.02	53.47	26-48-1102
	11	1.671	—	WM4509-ND	.98	8.63	57.57	26-48-1112
	12	1.827	—	WM4510-ND	1.05	9.25	61.66	26-48-1122
	2	.310	—	WM4600-ND	.37	3.31	22.05	26-48-1025
	3	.466	—	WM4601-ND	.46	4.02	26.82	26-48-1035
	4	.622	—	WM4602-ND	.54	4.74	31.59	26-48-1045
	5	.778	—	WM4603-ND	.62	5.45	36.37	26-48-1055
	6	.934	—	WM4604-ND	.70	6.17	41.14	26-48-1065
3	7	1.090	—	WM4605-ND	.78	6.89	45.91	26-48-1075
	8	1.246	—	WM4606-ND	.86	7.60	50.68	26-48-1085
	9	1.402	—	WM4607-ND	.94	8.32	55.46	26-48-1095
	10	1.558	—	WM4608-ND	1.02	9.03	60.23	26-48-1105
	11	1.714	—	WM4609-ND	1.11	9.75	65.00	26-48-1115
	12	1.870	—	WM4610-ND	1.19	10.47	69.78	26-48-1125
	2	.310	—	WM4700-ND	.40	3.50	23.32	26-48-1026
	3	.466	—	WM4701-ND	.49	4.31	28.73	26-48-1036
	4	.622	—	WM4702-ND	.58	5.12	34.14	26-48-1046
	5	.778	—	WM4703-ND	.67	5.93	39.55	26-48-1056
	6	.934	—	WM4704-ND	.76	6.74	44.96	26-48-1066
4	7	1.090	—	WM4705-ND	.86	7.55	50.37	26-48-1076
	8	1.246	—	WM4706-ND	.95	8.37	55.78	26-48-1086
	9	1.402	—	WM4707-ND	1.04	9.18	61.19	26-48-1096
	10	1.558	—	WM4708-ND	1.13	9.99	66.60	26-48-1106
	11	1.714	—	WM4709-ND	1.22	10.80	72.00	26-48-1116
	12	1.870	—	WM4710-ND	1.32	11.61	77.41	26-48-1126
	2	.156	.306	WM4620-ND	.31	2.73	18.18	26-60-4020
	3	.312	.462	WM4621-ND	.41	3.60	24.01	26-60-4030
	4	.468	.618	WM4622-ND	.51	4.48	29.84	26-60-4040
	5	.624	.774	WM4623-ND	.61	5.36	35.72	26-60-4050
	6	.780	.930	WM4624-ND	.71	6.23	41.55	26-60-4060
5	7	.936	1.086	WM4625-ND	.81	7.11	47.41	26-60-4070
	8	1.092	1.242	WM4626-ND	.91	7.99	53.24	26-60-4080
	9	1.248	1.398	WM4627-ND	1.01	8.87	59.15	26-60-4090
	10	1.404	1.554	WM4628-ND	1.10	9.75	64.98	26-60-4100
	11	1.560	1.710	WM4629-ND	1.20	10.62	70.81	26-60-4110
	12	1.716	1.866	WM4630-ND	1.30	11.50	76.64	26-60-4120
	2	.156	.306	WM4640-ND	.32	2.85	19.00	26-60-5020
6	3	.312	.462	WM4641-ND	.43	3.78	25.23	26-60-5030
	4	.468	.618	WM4642-ND	.54	4.73	31.54	26-60-5040
	5	.624	.774	WM4643-ND	.64	5.67	37.79	26-60-5050
	6	.780	.930	WM4644-ND	.83	7.30	48.66	26-60-5060
	7	.936	1.086	WM4645-ND	.86	7.55	50.32	26-60-5070
6	8	1.092	1.242	WM4646-ND	.96	8.49	56.61	26-60-5080
	9	1.248	1.398	WM4647-ND	1.07	9.43	62.89	26-60-5090
	10	1.404	1.554	WM4648-ND	1.17	10.37	69.11	26-60-5100
	11	1.560	1.710	WM4649-ND	1.28	11.31	75.39	26-60-5110
	12	1.716	1.866	WM4650-ND	1.39	12.25	81.67	26-60-5120
				.156" Center Headers - Gold				
	2	.267	—	WM5002-ND	.87	7.66	51.05	26-48-2021
	3	.423	—	WM5003-ND	1.20	10.55	70.32	26-48-2031
	4	.579	—	WM5004-ND	1.52	13.44	89.59	26-48-2041
	5	.735	—	WM5005-ND	1.85	16.33	108.86	26-48-2051
	6	.891	—	WM5006-ND	2.18	19.22	128.13	26-48-2061
1	7	1.047	—	WM5007-ND	2.51	22.11	147.40	26-48-2071
	8	1.203	—	WM5008-ND	2.83	25.00	166.68	26-48-2081
	9	1.359	—	WM5009-ND	3.16	27.89	185.95	26-48-2091
	10	1.515	—	WM5010-ND	3.49	30.78	205.22	26-48-2101
	11	1.671	—	WM5011-ND	3.82	33.67	224.49	26-48-2111
	12	1.827	—	WM5012-ND	4.14	36.56	243.76	26-48-2121
	2	.267	—	WM5102-ND	1.01	8.87	59.16	26-48-2022
	3	.423	—	WM5103-ND	1.40	12.37	82.48	26-48-2032
	4	.579	—	WM5104-ND	1.80	15.87	106.81	26-48-2042
	5	.735	—	WM5105-ND	2.20	19.37	129.14	26-48-2052
	6	.891	—	WM5106-ND	2.59	22.87	152.46	26-48-2062
2	7	1.047	—	WM5107-ND	2.99	26.37	175.79	26-48-2072
	8	1.203	—	WM5108-ND	3.39	29.87	199.12	26-48-2082
	9	1.359	—	WM5109-ND	3.78	33.37	222.45	26-48-2092
	10	1.515	—	WM5110-ND	4.18	36.87	245.77	26-48-2102
	11	1.671	—	WM5111-ND	4.57	40.36	269.10	26-48-2112
	12	1.827	—	WM5112-ND	4.97	43.86	292.43	26-48-2122
	2	.310	—	WM5200-ND	.89	7.85	52.36	26-48-2025
	3	.466	—	WM5201-ND	1.23	10.84	72.29	26-48-2035
	4	.622	—	WM5202-ND	1.57	13.83	92.21	26-48-2045
	5	.778	—	WM5203-ND	1.91	16.82	112.14	26-48-2055
	6	.934	—	WM5204-ND	2.25	19.81	132.07	26-48-2065
3	7	1.090	—	WM5205-ND	2.58	22.80	152.00	26-48-2075
	8	1.246	—	WM5206-ND	2.92	25.79	171.93	26-48-2085
	9	1.402	—	WM5207-ND	3.26	28.78	191.85	26-48-2095
	10	1.558	—	WM5208-ND	3.60	31.77	211.78	26-48-2105
	11	1.714	—	WM5209-ND	3.94	34.76	231.71	26-48-2115
	12	1.870	—	WM5210-ND	4.28	37.75	251.64	26-48-2125
	2	.310	—	WM5212-ND	1.13	9.99	66.58	26-48-2026
	3	.466	—	WM5213-ND	1.59	14.04	93.62	26-48-2036
	4	.622	—	WM5214-ND	2.05	18.10	120.66	26-48-2046
	5	.778	—	WM5215-ND	2.51	22.15	147.70	26-48-2056
	6	.934	—	WM5216-ND	2.97	26.21	174.74	26-48-2066
4	7	1.090	—	WM5217-ND	3.43	30.27	201.78	26-48-2076
	8	1.246	—	WM5218-ND	3.89	34.32	228.82	26-48-2086
	9	1.402	—	WM5219-ND	4.35	38.38	255.86	26-48-2096
	10	1.558	—	WM5220-ND	4.81	42.43	282.90	26-48-2106
	11	1.714	—	WM5221-ND	5.27	46.49	309.94	26-48-2116
	12	1.870	—	WM5222-ND	5.73	50.55	336.98	26-48-2126
	2	.156	.306	WM5224-ND	1.03	9.12	60.79	26-51-4020
	3	.312	.462	WM5225-ND	1.49	13.13	87.50	26-51-4030
	4	.468	.618	WM5226-ND	1.89	16.64	110.90	26-51-4040
5	5	.624	.774	WM5227-ND	2.34	20.62	137.48	26-51-4050
	6	.780	.930	WM5228-ND	2.78	24.50	163.35	26-51-4060
	7	.936	1.086	WM5229-ND	3.22	28.45	189.69	26-51-4070
	8	1.092	1.242	WM5230-ND	3.65	32.18	214.52	26-51-4080
	9	1.248	1.398	WM5231-ND	4.09	36.06	240.41	26-51-4090
5	10	1.404	1.554	WM5232-ND	4.53	40.01	266.72	26-51-4100
	11	1.560	1.710	WM5233-ND	4.97	43.90	292.64	26-51-4110
	12	1.716	1.866	WM5234-ND	5.43	47.94	319.62	26-51-4120
	2	.156	.306	WM5235-ND	1.18	10.40	69.35	26-51-5020
	3	.312	.462	WM5236-ND	1.69	14.94	99.61	26-51-5030
	4	.468	.618	WM5237-ND	2.16	19.08	127.17	26-51-5040
	5	.624	.774	WM5238-ND	2.67	23.52	156.83	26-51-5050
	6	.780	.930	WM5239-ND	3.19	28.11	187.38	26-51-5060
6	7	.936	1.086	WM5240-ND	3.70	32.65	217.65	26-51-5070
	8	1.092	1.242	WM5241-ND	4.20	37.09	247.30	26-51-5080
	9	1.248	1.398	WM5242-ND	4.71	41.58	277.19	26-51-5090
	10	1.404	1.554	WM5243-ND	5.23	46.12	307.48	26-51-5100
	11	1.560	1.710	WM5244-ND	5.73	50.54	336.92	26-51-5110
	12	1.716	1.866	WM5245-ND	6.24	55.05	366.97	26-51-5120
				.156" Center Crimp Terminal Housing (Contacts Sold Separately Below) w/Locking Ramp - 94V-2 Nylon			
	2	.310	—	WM2100-ND	.25	2.22	14.81	09-50-3021
	3	.460	—	WM2101-ND	.32	2.85	19.00	09-50-3031
	4	.620	—	WM2102-ND	.39	3.48	23.19	09-50-3041
	5	.780	—	WM2103-ND	.46	4.10	27.35	09-50-3051
	6	.930	—	WM2104-ND	.54	4.73	31.54	09-50-3061
7	7	1.090	—	WM2105-ND	.61	5.36	35.72	09-50-3071
	8	1.240	—	WM2106-ND	.68	5.98	39.88	09-50-3081
	9	1.400	—	WM2107-ND	.75	6.61	44.10	09-50-3091
	10	1.560	—	WM2108-ND	.84	7.44	49.58	09-50-3101
	11	1.710	—	WM2109-ND	.89	7.86	52.42	09-50-3111
	12	1.870	—	WM2110-ND	.99	8.69	57.96	09-50-3121
				With Locking Ramp and Polarizing Ribs - 94V-0 Polyester				
	2	.340	—	WM2111-ND	.27	2.41	16.09	09-50-8023
	3	.500	—	WM2112-ND	.36	3.16	21.10	09-50-8033
	4	.650	—	WM2113-ND	.44	3.85	25.68	09-50-8043
	5	.810	—	WM2114-ND	.52	4.60	30.69	09-50-8053
	6	.970	—	WM2115-ND	.60	5.29	35.27	09-50-8063
7	7	1.120	—	WM2116-ND	.68	6.04	40.28	09-50-8073
	8	1.280	—	WM2117-ND	.76	6.67	44.47	09-50-8083
	9	1.430	—	WM2118-ND	.84	7.42	49.48	09-50-8093
	10	1.600	—	WM2119-ND	.92	8.12	54.11	09-50-8103
	11	1.750	—	WM2120-ND	1.01	8.87	59.15	09-50-8113
	12	1.900	—	WM2121-ND	1.09	9.62	64.16	09-05-8123
				With Locking Ramp - 94V-0 Polyester				
	2	.340	—	WM2122-ND	.26	2.28	15.21	09-50-8021
	3	.500	—	WM2123-ND	.34	3.03	20.22	09-50-8031
	4	.650	—	WM2124-ND	.41	3.66	24.38	09-50-8041
	5	.810	—	WM2125-ND	.49	4.35	29.02	09-50-8051
	6	.970	—	WM2126-ND	.56	4.98	33.23	09-50-8061
7	7	1.120	—	WM2127-ND	.65	5.73	38.19	09-50-8071
	8	1.280	—	WM2128-ND	.72	6.36	42.40	09-50-8081
	9	1.430	—	WM2129-ND	.80	7.05	47.01	09-50-8091
	10	1.600	—	WM2130-ND	.87	7.67	51.15	09-50-8101
	11	1.750	—	WM2131-ND	.95	8.37	55.78	09-50-8111
	12	1.900	—	WM2132-ND	1.03	9.05	60.34	09-50-8121
	Polarizing Key for .156" Housings			WM2402-ND	27/1	2.41/10		15-04-0219
	Polarizing Peg for .156" Housings			WM2403-ND	27/1	2.41/10		15-04-0220
	Polarizing Key for .156" Friclock Housings			WM2404-ND	26/1	2.28/10		15-04-0297

Crimp Terminals for .156" Center Housings

Fig. 1

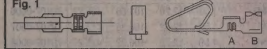
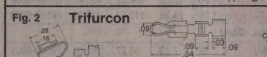


Fig. 2 Trifurcon



Description	Digi-Key Part No.	Price Each	Molex Part No.
Hand Tool (Waldom)	WM9903-ND	14.55	W-HT-1919
Universal Crimp Tool (Molex)	WM9999-ND	50.75	63811-1000
Extraction Tool (Molex)	WM9928-ND	15.86	11-03-0016
Production Tool (Molex)	WM9926-ND	214.65	63811-2200
Production Tool (Molex)	WM9914-ND	214.65	63811-2300
Manual Wire Stripper (Molex)	WM9969-ND	95.16	63817-0000

Plating: 100μ" tin plating or 20μ" of Selective Gold

Fig.	Material	Wire Size	Insulation Diameter (Inch)	Finish	Digi-Key Part No.	Pricing 10	Pricing 100	Pricing 500	Molex Part No.
		18-24	.110 Max.	Tin	WM2300-ND*	.70	5.63	23.45	08-50-0106
	Brass	18-24	.110	Tin	WM2300CT-ND*‡	—	5.63	23.45	08-50-0105
		18-24	.110	Tin	WM2300TR-ND*◊		175.00/7,000		08-50-0105
	Brass	22-26	.065 Max.	Tin	WM2301-ND†	.56	4.45	18.55	08-50-0108
		18-24	.110	Tin	WM2302-ND*	.95	7.57	31.54	08-52-0072
	Bronze	18-24	.110	Tin	WM2302CT-ND*‡	—	7.57	31.54	08-52-0071
1		18-24	.110	Tin	WM2302TR-ND*◊		175.00/7,000		08-52-0071
	Bronze	22-26	.065	Tin	WM2303-ND†	.70	5.57	23.19	08-50-0134
	Brass	18-24	.110	Gold	WM2305-ND*	7.51	60.07	250.29	08-56-0106
	Brass	22-26	.065	Gold	WM2306-ND†	7.51	60.07	250.29	08-56-0108
		18-24	.110	Gold	WM2304-ND*	7.77	62.17	259.04	08-58-0122
	Phosphor Bronze	18-24	.110	Gold	WM2304CT-ND*‡	—	62.17	259.04	08-58-0121
		18-24	.110	Gold	WM2304TR-ND*◊		2359,00/7,000		08-58-0121
	Bronze	22-26	.065	Gold	WM2307-ND†	7.77	62.17	259.04	08-58-0126
	Phosphor Bronze	18-20	.110	Tin	WM2313-ND*	1.01	8.08	33.65	08-52-0113
		22-26	.065	Tin	WM2314-ND†	1.03	8.21	34.19	08-52-0125
					WM17403-ND*	1.03	8.21	34.19	08-50-0189
2	Brass	18-20	.110	Tin	WM17403CT-ND*‡	—	8.21	34.19	08-50-0187
					WM17403TR-ND*◊		238.00/7,000		08-50-0187
	Phosphor/Bronze	18-20	.110	Gold	WM23942-ND*◆ **NEW!**	6.80	54.41	226.71	08-58-0189

*For use with WM9926-ND crimp tool † For use with WM9914-ND crimp tool ‡ Cut Tape ◊ Tape and Reel ◆ *RoHS Compliant*

More Product Available Online: www.digikey.com
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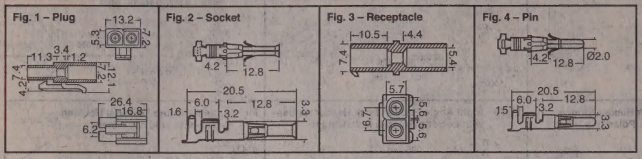
A

"Toy Car" Battery Connector



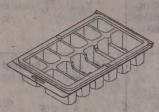
Features:

- 15 Amp current rating per circuit
- 300V voltage rating
- 14-20 AWG wire range
- Nylon 6/6 housing 94V-2
- Industry standard product for radio controlled toy cars

Fig.	Digi-Key Part No.	Pricing 1	10	50	100	Molex Part No.
1	WM2308-ND	.48	4.23	19.74	28.20	351-43-0201
2	WM2311-ND	.11	.97	4.51	6.44	357-28-0201
3	WM2309-ND	.46	4.10	19.13	27.32	351-41-0201
4	WM2310-ND	.12	1.10	5.14	7.34	357-27-0201

WM9999-ND Universal Crimp Tool (Waldom) **$50.75/1**
WM9969-ND Manual Wire Stripper (Waldom) **$95.16/1**

Crimp Terminal Connector Kits



Item	WM9983 Kit Qty.	WM9981 Kit Qty.
Crimp Terminal Housings	36	48
Straight Headers	18	24
Right Angle Headers	18	24
Shunts	10	—
Crimp Terminal (22-30 AWG)	100	—
Crimp Terminal (18-24 AWG)	—	100
Crimping Tool 63811-1000	1	1
Extractor Tool HT-1884	1	1

Description	Digi-Key Part No.	Price Each	Molex Part No.
KK Series .100" Connector Kit	WM9983-ND	73.32	MXKK-100
KK Series .156" Connector Kit	WM9981-ND	74.16	MXKK-156

C-Grid® SL™ .100

Material: Pins: .025"square, phosphor bronze • **Insulator:** UL 94V-0 glass filled PCT, black; Vapor phase and infrared process compatible • **Plating:** 15µ" minimum gold or 150µ" minimum tin/lead **Electrical: • Current Rating:** 3 amps • **Insulation Resistance:** 1,000MΩ • **Dielectric Strength:** 600VAC r.m.s for 1 minute **Environmental: • Operating Temperature:** -40°C – 105°C • UL Listed and CSA Certified

Fig. 1 – "G" Version, End-to-End Stackable
(Use C-Grid Crimp Terminals sold separately)

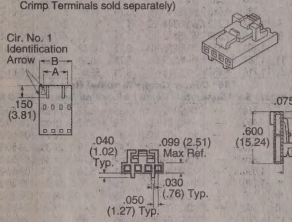


Fig. 2 – "A" Version
(Use C-Grid Crimp Terminals sold separately)

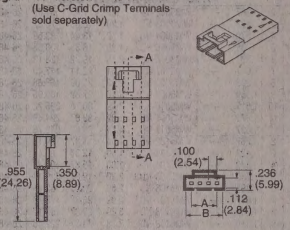


Fig. 3 – Straight Header

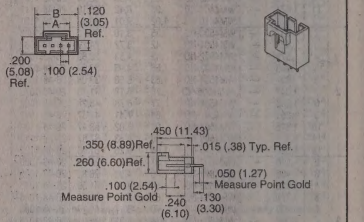


Fig. 4 – Right Angle Header

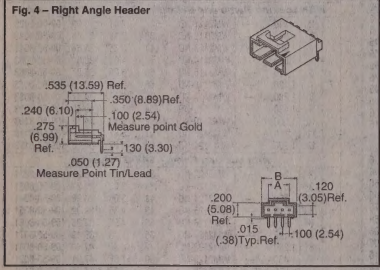


Fig. 5 – Right Angle Header SMT

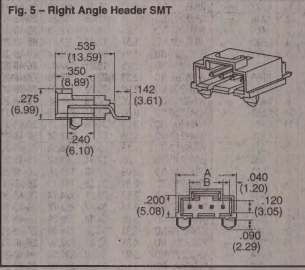


Fig. 6 – Straight Header SMT

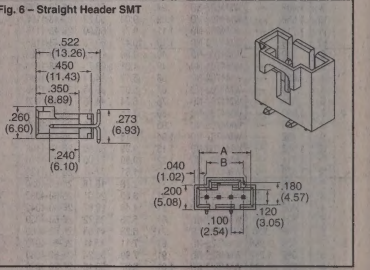


Fig.	Cir-cuits	Dimension – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part. No.
				Receptacle Housing (Contact Sold Separately)					
	2	.100 (2.54)	.199 (5.05)	WM2900-ND	.52	4.19	34.90	139.60	50-57-9402
	3	.200 (5.08)	.299 (7.59)	WM2901-ND	.70	5.59	46.56	186.24	50-57-9403
	4	.300 (7.62)	.399 (10.13)	WM2902-ND	.51	4.09	34.05	136.21	50-57-9404
	5	.400 (10.16)	.499 (12.67)	WM2903-ND	.63	5.04	41.98	167.90	50-57-9405
	6	.500 (12.70)	.599 (15.21)	WM2904-ND	.72	5.79	48.23	192.92	50-57-9406
	7	.600 (15.24)	.699 (17.75)	WM2905-ND	.82	6.54	54.51	218.04	50-57-9407
	8	.700 (17.78)	.799 (20.29)	WM2906-ND	.88	7.04	58.67	234.68	50-57-9408
	9	.800 (20.32)	.899 (22.83)	WM2907-ND	.89	7.14	59.52	238.08	50-57-9409
	10	.900 (22.86)	.999 (25.37)	WM2908-ND	.90	7.20	59.97	239.88	50-57-9410
	11	1.00 (25.40)	1.099 (27.91)	WM2909-ND	.95	7.64	63.63	254.51	50-57-9411
1	12	1.10 (27.94)	1.199 (30.45)	WM2910-ND	.83	6.63	55.23	220.90	50-57-9412
	13	1.20 (30.48)	1.299 (32.99)	WM2911-ND	1.17	9.34	77.81	311.22	50-57-9413
	14	1.30 (33.02)	1.399 (35.53)	WM2912-ND	1.27	10.14	84.54	338.14	50-57-9414
	15	1.40 (35.56)	1.499 (38.07)	WM2913-ND	1.32	10.60	88.30	353.19	50-57-9415
	16	1.50 (38.10)	1.599 (40.61)	WM2914-ND	1.39	11.14	92.86	371.42	50-57-9416
	17	1.60 (40.64)	1.699 (43.15)	WM2915-ND	1.44	11.55	96.25	384.99	50-57-9417
	18	1.70 (43.18)	1.799 (45.69)	WM2916-ND	1.52	12.15	101.28	405.13	50-57-9418
	19	1.80 (45.72)	1.899 (48.23)	WM2917-ND	1.86	14.87	123.89	495.55	50-57-9419
	20	1.90 (48.26)	1.999 (50.77)	WM2918-ND	1.93	15.42	128.47	513.89	50-57-9420
	21	2.00 (50.80)	2.099 (53.31)	WM2919-ND	1.98	15.87	132.24	528.94	50-57-9421
	22	2.10 (53.34)	2.199 (55.85)	WM2920-ND	2.04	16.32	136.03	544.10	50-57-9422
	23	2.20 (55.88)	2.299 (58.39)	WM2921-ND	2.10	16.77	139.79	559.15	50-57-9423

Fig.	Cir-cuits	Dimension – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part. No.
1	24	2.30 (58.42)	2.399 (60.93)	WM2922-ND	2.17	17.33	144.40	577.59	50-57-9424
	25	2.40 (60.96)	2.499 (63.47)	WM2923-ND	2.23	17.83	148.56	594.24	50-57-9425
				Pin Housing (Contact Sold Separately)					
	2	.100 (2.54)	.220 (5.59)	WM2533-ND	.98	7.84	65.35	261.40	70107-0001
	3	.200 (5.08)	.320 (8.13)	WM2534-ND	.99	7.94	66.20	264.79	70107-0002
	4	.300 (7.62)	.420 (10.67)	WM2535-ND	1.02	8.15	67.89	271.57	70107-0003
	5	.400 (10.16)	.520 (13.21)	WM2536-ND	1.16	9.30	77.46	309.84	70107-0004
2	6	.500 (12.70)	.620 (15.75)	WM2537-ND	1.51	12.06	100.49	401.95	70107-0005
	7	.600 (15.24)	.720 (18.29)	WM2538-ND	1.53	12.20	101.68	406.72	70107-0006
	8	.700 (17.78)	.820 (20.83)	WM2539-ND	1.57	12.52	104.36	417.43	70107-0007
	9	.800 (20.32)	.920 (23.37)	WM2540-ND	1.59	12.76	106.32	425.27	70107-0008
	10	.900 (22.86)	1.020 (25.91)	WM2541-ND	1.66	13.26	110.53	442.13	70107-0009
				15µ" Min. Gold					
	2	.100 (2.54)	.290 (7.37)	WM4800-ND	.98	7.83	65.27	261.08	70543-0001
	3	.200 (5.08)	.400 (10.17)	WM4801-ND	.97	7.80	64.98	259.91	70543-0002
	4	.300 (7.62)	.500 (12.71)	WM4802-ND	1.05	8.42	70.17	280.69	70543-0003
	5	.400 (10.16)	.600 (15.25)	WM4803-ND	1.21	9.71	80.91	323.62	70543-0004
3	6	.500 (12.70)	.700 (17.79)	WM4804-ND	1.23	9.82	81.81	327.22	70543-0005
	7	.600 (15.24)	.800 (20.33)	WM4805-ND	1.51	12.10	100.81	403.22	70543-0006
	8	.700 (17.78)	.900 (22.87)	WM4806-ND	1.62	12.96	108.02	432.06	70543-0007
	9	.800 (20.32)	1.000 (25.41)	WM4807-ND	1.73	13.83	115.22	460.89	70543-0008

(Continued)

Fig.	Cir-cuits	Dimension – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
3	10	.900 (22.86)	1.100 (27.95)	WM4808-ND	1.84	14.69	122.46	489.83	70543-0009
	11	1.00 (25.40)	1.200 (30.49)	WM4809-ND	2.12	16.94	141.14	564.56	70543-0010
	12	1.10 (27.94)	1.300 (33.03)	WM4810-ND	2.24	17.93	149.41	597.63	70543-0011
	13	1.20 (30.48)	1.400 (35.57)	WM4811-ND	2.35	18.83	156.88	627.52	70543-0012
	14	1.30 (33.02)	1.500 (38.11)	WM4812-ND	2.48	19.83	165.26	661.02	70543-0013
	15	1.40 (35.56)	1.600 (40.65)	WM4813-ND	2.60	20.79	173.26	693.03	70543-0014
	16	1.50 (38.10)	1.700 (43.19)	WM4814-ND	2.72	21.76	181.37	725.46	70543-0015
	17	1.60 (40.64)	1.800 (45.73)	WM4815-ND	2.82	22.59	188.28	753.13	70543-0016
	18	1.70 (43.18)	1.900 (48.27)	WM4816-ND	2.94	23.50	195.84	783.34	70543-0017
	19	1.80 (45.72)	2.000 (50.81)	WM4817-ND	2.99	23.95	199.57	798.29	70543-0018
	20	1.90 (48.26)	2.100 (53.35)	WM4818-ND	3.16	25.31	210.89	843.55	70543-0019
	21	2.00 (50.80)	2.200 (55.89)	WM4819-ND	3.31	26.47	220.61	882.45	70543-0020
	22	2.10 (53.34)	2.300 (58.43)	WM4820-ND	3.39	27.13	226.07	904.29	70543-0021
	23	2.20 (55.88)	2.400 (60.97)	WM4821-ND	3.54	28.33	236.06	944.25	70543-0022
	24	2.30 (58.42)	2.500 (63.51)	WM4822-ND	3.64	29.08	242.34	969.37	70543-0023
	25	2.40 (60.96)	2.600 (66.05)	WM4823-ND	3.77	30.19	251.57	1006.26	70543-0024
				150µ" Tin/Lead					
	2	.100 (2.54)	.290 (7.37)	WM4824-ND	.97	7.73	64.42	257.69	70543-0036
	3	.200 (5.08)	.400 (10.17)	WM4825-ND	1.04	8.29	69.06	276.24	70543-0037
	4	.300 (7.62)	.500 (12.71)	WM4826-ND	1.12	8.94	74.47	297.86	70543-0038
	5	.400 (10.16)	.600 (15.25)	WM4827-ND	1.18	9.44	78.65	314.61	70543-0039
	6	.500 (12.70)	.700 (17.79)	WM4828-ND	1.02	8.15	67.95	271.78	70543-0040
3	7	.600 (15.24)	.800 (20.33)	WM4829-ND	1.32	10.60	88.33	353.30	70543-0041
	8	.700 (17.78)	.900 (22.87)	WM4830-ND	1.38	11.05	92.09	368.35	70543-0042
	9	.800 (20.32)	1.000 (25.41)	WM4831-ND	1.45	11.60	96.65	386.58	70543-0043
	10	.900 (22.86)	1.100 (27.95)	WM4832-ND	1.53	12.25	102.08	408.31	70543-0044
	11	1.00 (25.40)	1.200 (30.49)	WM4833-ND	1.60	12.77	106.40	425.59	70543-0045
	12	1.10 (27.94)	1.300 (33.03)	WM4834-ND	1.66	13.25	110.43	441.70	70543-0046
				15µ" Min. Gold					
	2	.100 (2.54)	.290 (7.37)	WM4900-ND	.83	6.61	55.09	220.37	70553-0001
	3	.200 (5.08)	.400 (10.17)	WM4901-ND	1.08	8.64	72.03	288.11	70553-0002
	4	.300 (7.62)	.500 (12.71)	WM4902-ND	1.12	8.98	74.86	299.45	70553-0003
	5	.400 (10.16)	.600 (15.25)	WM4903-ND	1.30	10.41	86.74	346.94	70553-0004
	6	.500 (12.70)	.700 (17.79)	WM4904-ND	1.30	10.43	86.89	347.57	70553-0005
	7	.600 (15.24)	.800 (20.33)	WM4905-ND	1.51	12.10	100.81	403.22	70553-0006
	8	.700 (17.78)	.900 (22.87)	WM4906-ND	1.62	12.96	108.02	432.06	70553-0007
4	9	.800 (20.32)	1.000 (25.41)	WM4907-ND	1.73	13.83	115.22	460.89	70553-0008
	10	.900 (22.86)	1.100 (27.95)	WM4908-ND	1.84	14.69	122.46	489.83	70553-0009
	11	1.00 (25.40)	1.200 (30.49)	WM4909-ND	2.12	16.94	141.14	564.56	70553-0010
	12	1.10 (27.94)	1.300 (33.03)	WM4910-ND	2.24	17.93	149.41	597.63	70553-0011
	13	1.20 (30.48)	1.400 (35.57)	WM4911-ND	2.35	18.83	156.88	627.52	70553-0012
	14	1.30 (33.02)	1.500 (38.11)	WM4912-ND	2.48	19.83	165.26	661.12	70553-0013
	15	1.40 (35.56)	1.600 (40.65)	WM4913-ND	2.60	20.79	173.26	693.03	70553-0014
	16	1.50 (38.10)	1.700 (43.19)	WM4914-ND	2.72	21.76	181.37	725.46	70553-0015
	17	1.60 (40.64)	1.800 (45.73)	WM4915-ND	2.82	22.60	188.31	753.24	70553-0016

Fig.	Cir-cuits	Dimension – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
4	18	1.70 (43.18)	1.900 (48.27)	WM4916-ND	2.94	23.50	195.84	783.34	70553-0017
	19	1.80 (45.72)	2.000 (50.81)	WM4917-ND	3.08	24.60	205.01	820.02	70553-0018
	20	1.90 (48.26)	2.100 (53.35)	WM4918-ND	3.16	25.31	210.89	843.55	70553-0019
	21	2.00 (50.80)	2.200 (55.89)	WM4919-ND	3.30	26.44	220.32	881.28	70553-0020
	22	2.10 (53.34)	2.300 (58.43)	WM4920-ND	3.39	27.13	226.07	904.29	70553-0021
	23	2.20 (55.88)	2.400 (60.97)	WM4921-ND	3.54	28.33	236.09	944.35	70553-0022
	24	2.30 (58.42)	2.500 (63.51)	WM4922-ND	3.64	29.08	242.37	969.48	70553-0023
	25	2.40 (60.96)	2.600 (66.05)	WM4923-ND	3.77	30.19	251.57	1006.26	70553-0024
				150µ" Tin/Lead					
	2	.100 (2.54)	.290 (7.37)	WM4924-ND	.97	7.73	64.42	257.69	70553-0036
	3	.200 (5.08)	.400 (10.17)	WM4925-ND	1.04	8.29	69.06	276.24	70553-0037
	4	.300 (7.62)	.500 (12.71)	WM4926-ND	.94	7.53	62.75	251.01	70553-0038
	5	.400 (10.16)	.600 (15.25)	WM4927-ND	1.18	9.44	78.65	314.61	70553-0039
	6	.500 (12.70)	.700 (17.79)	WM4928-ND	1.25	10.03	83.81	334.43	70553-0040
4	7	.600 (15.24)	.800 (20.33)	WM4929-ND	1.32	10.60	88.33	353.30	70553-0041
	8	.700 (17.78)	.900 (22.87)	WM4930-ND	1.38	11.05	92.09	368.35	70553-0042
	9	.800 (20.32)	1.00 (25.41)	WM4931-ND	1.45	11.57	96.43	385.73	70553-0043
	10	.900 (22.86)	1.10 (27.95)	WM4932-ND	1.53	12.25	102.08	408.31	70553-0044
	11	1.00 (25.40)	1.20 (30.49)	WM4933-ND	1.60	12.77	106.40	425.59	70553-0045
	12	1.10 (27.94)	1.30 (33.03)	WM4934-ND	1.66	13.25	110.43	441.70	70553-0046
				15µ" Gold					
	2	.340 (8.63)	.100 (2.54)	WM1340-ND	2.96	23.65	197.11	788.43	15-91-2025
	3	.450 (11.43)	.200 (5.08)	WM1341-ND	3.01	24.06	200.47	801.89	15-91-2035
	4	.550 (13.97)	.300 (7.62)	WM1342-ND	3.09	24.71	205.93	823.73	15-91-2045
	5	.650 (16.51)	.400 (10.16)	WM1343-ND	3.16	25.26	210.52	842.06	15-91-2055
	6	.750 (19.05)	.500 (12.70)	WM1344-ND	3.21	25.71	214.28	857.12	15-91-2065
5	7	.850 (21.59)	.600 (15.24)	WM1345-ND	3.28	26.21	218.44	873.76	15-91-2075
	8	.950 (24.13)	.700 (17.78)	WM1346-ND	3.33	26.66	222.20	888.81	15-91-2085
	9	1.050 (26.67)	.800 (20.32)	WM1347-ND	3.39	27.12	225.99	903.97	15-91-2095
	10	1.150 (29.21)	.900 (22.86)	WM1348-ND	3.47	27.77	231.45	925.80	15-91-2105
	11	1.250 (31.75)	1.00 (25.40)	WM1349-ND	4.07	32.55	271.26	1085.02	15-91-2115
	12	1.350 (34.29)	1.10 (27.94)	WM1350-ND	4.71	37.67	313.92	1255.68	15-91-2125
				15µ" Gold					
	3	.320 (8.13)	.200 (5.08)	WM7203-ND	2.45	19.61	163.40	653.60	74099-1003
	4	.420 (10.67)	.300 (7.62)	WM7204-ND	3.03	24.21	201.72	806.87	74099-1004
	5	.520 (13.21)	.400 (10.16)	WM7205-ND	3.61	28.86	240.52	962.06	74099-1005
	6	.620 (15.75)	.500 (12.70)	WM7206-ND	4.20	33.61	280.11	1120.42	74099-1006
6	7	.720 (18.29)	.600 (15.24)	WM7207-ND	4.77	38.16	318.03	1272.11	74099-1007
	8	.820 (20.83)	.700 (17.78)	WM7208-ND	5.34	42.71	355.95	1423.79	74099-1008
	9	.920 (23.37)	.800 (20.32)	WM7209-ND	5.95	47.62	396.81	1587.24	74099-1009
	10	1.020 (25.91)	.900 (22.86)	WM7210-ND	6.56	52.52	437.65	1750.59	74099-1010
	11	1.120 (28.45)	1.000 (25.40)	WM7211-ND	7.09	56.72	472.66	1890.62	74099-1011
	12	1.220 (30.99)	1.100 (27.94)	WM7212-ND	7.68	61.47	512.25	2048.98	74099-1012

C-Grid® Crimp Connector Housings

Fig. 1 – "A" Version

"A" Version, Non-Polarized, End-to-End & Side-by-Side Stackable. Mates with Unshrouded Headers.

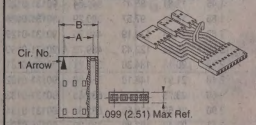


Fig. 2 – "A" Version

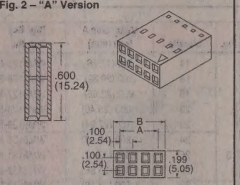


Fig.	Cir-cuits	Dimension – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
1	2	.100 (2.54)	.199 (5.05)	WM2800-ND	.64	5.60	37.37	149.46	50-57-9002
	3	.200 (5.08)	.299 (7.59)	WM2801-ND	.79	6.98	46.56	186.24	50-57-9003
	4	.300 (7.62)	.399 (10.13)	WM2802-ND	.82	7.23	48.23	192.92	50-57-9004
	5	.400 (10.16)	.499 (12.67)	WM2803-ND	.86	7.57	50.48	201.93	50-57-9005
	6	.500 (12.70)	.599 (15.21)	WM2804-ND	.90	7.93	52.84	211.36	50-57-9006
	7	.600 (15.24)	.699 (17.75)	WM2805-ND	.95	8.37	55.78	223.13	50-57-9007
	8	.700 (17.78)	.799 (20.29)	WM2806-ND	1.00	8.80	58.67	234.68	50-57-9008
	9	.800 (20.32)	.899 (22.83)	WM2807-ND	1.06	9.37	62.46	249.84	50-57-9009
	10	.900 (22.86)	.999 (25.37)	WM2808-ND	1.11	9.80	65.35	261.40	50-57-9010
2	4	.100 (2.54)	.199 (5.05)	WM2519-ND	2.18	19.21	128.05	512.19	22-55-2041
	6	.200 (5.08)	.299 (7.59)	WM2520-ND	1.89	16.64	110.90	443.61	22-55-2061
	8	.300 (7.62)	.399 (10.13)	WM2521-ND	2.38	21.02	140.16	560.83	22-55-2081
	10	.400 (10.16)	.499 (12.67)	WM2522-ND	2.49	21.96	146.39	585.54	22-55-2101
	12	.500 (12.70)	.599 (15.21)	WM2523-ND	2.59	22.84	152.27	609.08	22-55-2121
	14	.600 (15.24)	.699 (17.75)	WM2524-ND	2.69	23.78	158.52	634.09	22-55-2141
	16	.700 (17.78)	.799 (20.29)	WM2525-ND	2.79	24.60	163.98	655.93	22-55-2161
	18	.800 (20.32)	.899 (22.83)	WM2526-ND	2.89	25.47	169.81	679.25	22-55-2181
	20	.900 (22.86)	.999 (25.37)	WM2527-ND	2.99	26.42	176.12	704.48	22-55-2201
	22	1.000 (25.40)	1.099 (27.91)	WM2528-ND	3.09	27.29	181.95	727.80	22-55-2221
	24	1.100 (27.95)	1.199 (30.45)	WM2529-ND	3.20	28.23	188.23	752.92	22-55-2241
	30	1.400 (35.56)	1.499 (38.07)	WM2530-ND	3.47	30.61	204.08	816.31	22-55-2301
	40	1.900 (48.26)	1.999 (50.77)	WM2531-ND	4.01	35.37	235.82	943.29	22-55-2401
	50	2.400 (60.96)	2.499 (63.47)	WM2532-ND	4.51	39.83	265.50	1062.01	22-55-2501

C-Grid® Box Crimp Terminals

Terminal Material:
Phosphor Bronze.

Current Rating:
3.0 Amps (24 AWG)
30°C Rise Over Ambient.

UL Listed and CSA Certified.

Fig. 1

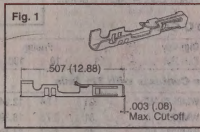


Fig. 2

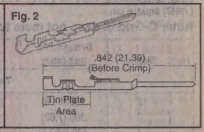


Fig.	Wire Range	Insul. Dia. Inch (mm)	Plating	Digi-Key Part No.	Pricing 10	100	500	1,000	Molex Part No.
1	22-24	.064 (1.63)	Tin‡	WM2510-ND	.99	8.22	32.86	54.55	16-02-0102
				WM2510CT-ND∞	—	8.22	32.86	54.55	16-02-0086
				WM2510TR-ND◊			820.00/20,000		16-02-0086
	24-30	.060 (1.52)	Tin‡	WM2511-ND	.99	8.22	32.86	54.55	16-02-0096
	22-24	.064 (1.63)	Gold†	WM2512-ND	1.48	12.30	49.18	81.64	16-02-0103
				WM2512CT-ND∞	—	12.30	49.18	81.64	16-02-0087
				WM2512TR-ND◊			1320.00/20,000		16-02-0087
	24-30	.060 (1.52)	Gold†	WM2513-ND	1.48	12.30	49.18	81.64	16-02-0097
	22-24	.064 (1.63)	Tin‡	WM2556-ND*	1.31	10.95	43.78	72.67	16-02-1114
	24-30	.060 (1.52)	Tin‡	WM2557-ND*	1.31	10.95	43.78	72.67	16-02-1116
	22-24	.064 (1.63)	Gold†	WM2554-ND*	2.08	17.33	69.32	115.07	16-02-1125
	24-30	.060 (1.52)	Gold†	WM2555-ND*	2.08	17.33	69.32	115.07	16-02-1109
2	22-24	.064 (1.63)	Tin‡	WM2517-ND	.99	8.22	32.86	54.55	16-02-0114
				WM2517CT-ND∞	—	8.22	32.86	54.55	16-02-0107
				WM2517TR-ND◊			820.00/20,000		16-02-0107
	24-30	.060 (1.52)	Tin‡	WM2518-ND	.99	8.22	32.86	54.55	16-02-0108
	22-24	.064 (1.63)	Gold†	WM2515-ND	1.59	13.22	52.89	87.80	16-02-0115
				WM2515CT-ND∞	—	13.22	52.89	87.80	16-02-0081
				WM2515TR-ND◊			1260.00/20,000		16-02-0081
	24-30	.060 (1.52)	Gold†	WM2516-ND	1.57	13.12	52.47	87.10	16-02-0109
Universal Crimp Tool (Molex)				WM9999-ND			50.75/1		63811-1000
C-Grid Hand Crimper 22-24 & 32-36 AWG				WM9917-ND			214.65/1		11-01-0208
C-Grid Hand Crimper 24 - 30 AWG				WM9919-ND			214.65/1		11-01-0209
Insertion Tool				WM9911-ND			10.23/1		11-02-0022
Manual Wire Stripper (Molex)				WM9969-ND			95.16/1		63817-0000

* High pressure type for low pin count. ‡150µ" tin/lead over 50µ" nickel overall. †15µ" minimum gold in select area over 50µ" minimum nickel overall with 75µ" minimum tin/lead in select area.
∞ CT = Cut Tape. ◊ TR = Tape and Reel.

RoHS COMPLIANT

A

Modular Crimp Connector Housing

SPECIFICATIONS:
ELECTRICAL: • Voltage: 350V • Insulation Resistance: 1,000 MΩ minimum • Current Rating: 3.0A • Contact Resistance: 20mΩ maximum
PHYSICAL: • Housing: Black Polyphenylene Oxide • UL94V-1 • Operating Temperature: -55°C ~ 105°C

Note: C-Grid III does not mate to C-Grid

Fig. 1 – Single Row

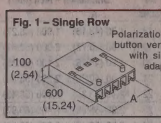


Fig. 2 – Single Row

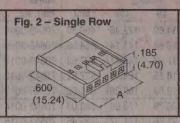


Fig. 3 – Dual Row

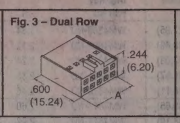


Fig. 4 – Dual Row

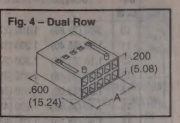


Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
1	2	.200 (5.08)	WM8000-ND	.24	2.15	14.31	57.24	90123-0102
	3	.300 (7.62)	WM8001-ND	.35	3.13	20.86	83.42	90123-0103
	4	.400 (10.16)	WM8002-ND	.47	4.11	27.38	109.50	90123-0104
	5	.500 (12.70)	WM8003-ND	.58	5.08	33.89	135.57	90123-0105
	6	.600 (15.24)	WM8004-ND	.68	6.00	39.99	159.95	90123-0106
	7	.700 (17.78)	WM8005-ND	.42	3.68	24.51	98.05	90123-0107
	8	.800 (20.32)	WM8006-ND	.90	7.97	53.16	212.64	90123-0108
	9	.900 (22.86)	WM8007-ND	.94	8.27	55.12	220.48	90123-0109
	10	1.000 (25.40)	WM8008-ND	1.07	9.43	62.86	251.43	90123-0110
	12	1.200 (30.48)	WM8009-ND	1.26	11.09	73.91	295.63	90123-0112
	13	1.300 (33.02)	WM8010-ND	1.38	12.20	81.36	325.42	90123-0113
	15	1.500 (38.10)	WM8011-ND	1.58	13.78	91.85	367.40	90123-0115
	18	1.800 (45.72)	WM8012-ND	1.90	16.79	111.94	447.74	90123-0118
	19	1.900 (48.26)	WM8013-ND	2.01	17.71	118.06	472.23	90123-0119
	20	2.000 (50.80)	WM8014-ND	1.95	17.22	114.80	459.19	90123-0120
	24	2.400 (60.96)	WM8015-ND	2.50	22.04	146.92	587.66	90123-0124
	25	2.500 (63.50)	WM8016-ND	2.60	22.96	153.07	612.26	90123-0125
2	2	.242 (6.14)	WM8017-ND	.26	2.27	15.13	60.53	90156-0142
	3	.342 (6.68)	WM8018-ND	.33	2.94	19.58	78.33	90156-0143
	4	.442 (11.22)	WM8019-ND	.46	4.04	26.93	107.70	90156-0144
	5	.542 (13.76)	WM8020-ND	.54	4.77	31.83	127.31	90156-0145
	6	.642 (16.30)	WM8021-ND	.65	5.70	37.98	151.90	90156-0146
	7	.742 (18.84)	WM8022-ND	.75	6.61	44.07	176.28	90156-0147
	8	.842 (21.38)	WM8023-ND	.85	7.53	50.22	200.87	90156-0148
	9	.942 (23.92)	WM8024-ND	.94	8.27	55.12	220.48	90156-0149
	10	1.042 (25.46)	WM8025-ND	1.02	9.00	60.02	240.09	90156-0150
	12	1.242 (31.54)	WM8026-ND	1.21	10.65	71.02	284.08	90156-0152
	13	1.342 (34.08)	WM8027-ND	1.30	11.45	76.35	305.39	90156-0153
	14	1.442 (36.62)	WM8028-ND	1.39	12.25	81.65	326.59	90156-0154
	15	1.542 (39.16)	WM8029-ND	1.48	13.04	86.95	347.79	90156-0155
	16	1.842 (41.70)	WM8030-ND	1.65	14.57	97.12	388.49	90156-0156
	18	1.842 (46.78)	WM8031-ND	1.77	15.61	104.09	416.37	90156-0158
	20	2.042 (51.86)	WM8032-ND	1.96	17.26	115.06	460.25	90156-0160
	22	2.242 (56.94)	WM8033-ND	2.12	18.73	124.84	499.37	90156-0162
	25	2.542 (64.56)	WM8034-ND	2.41	21.28	141.88	567.52	90156-0165

Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
3	6	.306 (7.77)	WM8035-ND	.67	5.88	39.17	156.67	90142-0006
	8	.406 (10.31)	WM8036-ND	.89	7.83	52.23	208.93	90142-0008
	10	.506 (12.85)	WM8037-ND	1.10	9.67	64.48	257.90	90142-0010
	12	.606 (15.39)	WM8038-ND	1.28	11.33	75.53	302.10	90142-0012
	14	.706 (17.93)	WM8039-ND	1.37	12.12	80.80	323.19	90142-0014
	16	.806 (20.47)	WM8040-ND	1.69	14.88	99.19	396.76	90142-0016
	18	.906 (23.01)	WM8041-ND	1.75	15.43	102.85	411.39	90142-0018
	20	1.006 (25.55)	WM8042-ND	1.82	16.10	107.35	429.41	90142-0020
	22	1.106 (28.09)	WM8043-ND	1.89	16.65	111.01	444.03	90142-0022
	24	1.206 (30.63)	WM8044-ND	2.30	20.27	135.12	540.49	90142-0024
	26	1.306 (33.17)	WM8045-ND	2.36	20.81	138.76	555.02	90142-0026
	30	1.506 (38.25)	WM8046-ND	2.69	23.70	157.97	631.87	90142-0030
	34	1.706 (43.33)	WM8047-ND	3.00	26.45	176.31	705.22	90142-0034
	36	1.806 (45.87)	WM8048-ND	3.17	27.98	186.53	746.13	90142-0036
	38	1.906 (48.41)	WM8049-ND	3.34	29.45	196.34	785.35	90142-0038
	40	2.006 (50.95)	WM8050-ND	3.76	33.18	221.20	884.78	90142-0040
	44	2.206 (56.03)	WM8051-ND	4.18	36.85	245.66	982.62	90142-0044
	50	2.506 (63.65)	WM8052-ND	4.79	42.24	281.59	1126.36	90142-0050
	54	2.706 (68.73)	WM8053-ND	5.00	44.07	293.83	1175.33	90142-0054
	60	3.006 (76.35)	WM8054-ND	5.52	48.73	324.89	1299.56	90142-0060
	64	3.206 (81.43)	WM8055-ND	5.72	50.44	336.29	1345.14	90142-0064
4	4	.200 (5.08)	WM8056-ND	.42	3.67	24.49	97.94	90143-0004
	6	.300 (7.62)	WM8057-ND	.60	5.33	35.54	142.15	90143-0006
	8	.400 (10.16)	WM8058-ND	.80	7.10	47.33	189.32	90143-0008
	10	.500 (12.70)	WM8059-ND	1.00	8.82	58.78	235.11	90143-0010
	12	.600 (15.24)	WM8060-ND	1.17	10.35	69.01	276.02	90143-0012
	14	.700 (17.78)	WM8061-ND	1.36	12.00	79.98	319.91	90143-0014
	16	.800 (20.32)	WM8062-ND	1.54	13.59	90.60	362.41	90143-0016
	18	.900 (22.86)	WM8063-ND	1.82	16.10	107.35	429.41	90143-0018
	20	1.000 (25.40)	WM8064-ND	2.10	18.55	123.68	494.70	90143-0020
	26	1.300 (33.02)	WM8065-ND	2.71	23.87	159.16	636.64	90143-0026
	34	1.700 (43.18)	WM8066-ND	3.08	27.16	181.21	724.83	90143-0034
	36	1.800 (45.72)	WM8067-ND	3.26	28.77	191.83	767.33	90143-0036
	40	2.000 (50.80)	WM8068-ND	3.61	31.83	212.21	848.85	90143-0040
	50	2.500 (63.50)	WM8069-ND	4.51	39.79	265.27	1061.06	90143-0050
	60	3.000 (76.20)	WM8070-ND	5.41	47.75	318.32	1273.27	90143-0060
	64	3.200 (81.28)	WM8071-ND	5.56	49.04	326.93	1307.72	90143-0064

Headers

SPECIFICATIONS:
ELECTRICAL: • Voltage: 350V • Current Rating: 3.0A • Contact Resistance: 20mΩ maximum • Insulation Resistance: 5,000 MΩ minimum
PHYSICAL: • Housing: Black glass-filled polyester • UL94V-0 • Operating Temperature: -55°C ~ 125°C • Contact: Copper Alloy, 0.64mm (.025") square pin

Note: C-Grid III does not mate to C-Grid

Fig. 1 – Single Row, Vertical

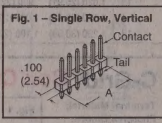


Fig. 2 – Single Row, Right Angle

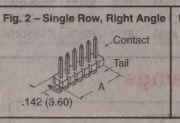


Fig. 3 – Dual Row, Vertical

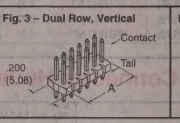


Fig. 4 – Dual Row, Right Angle

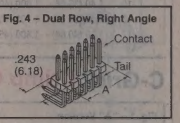


Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
		Tin Contacts with Tin Tails						
1	2	.200 (5.08)	WM8072-ND	.21	1.84	12.24	48.97	90120-0122
	3	.300 (7.62)	WM8073-ND	.31	2.76	18.39	73.56	90120-0123
	4	.400 (10.16)	WM8074-ND	.42	3.67	24.49	97.94	90120-0124
	5	.500 (12.70)	WM8075-ND	.52	4.60	30.64	122.54	90120-0125
	6	.600 (15.24)	WM8076-ND	.62	5.51	36.73	146.92	90120-0126
	7	.700 (17.78)	WM8077-ND	.73	6.43	42.88	171.51	90120-0127
	8	.800 (20.32)	WM8078-ND	.83	7.29	48.60	194.40	90120-0128
	9	.900 (22.86)	WM8079-ND	.93	8.20	54.70	218.78	90120-0129
	10	1.000 (25.40)	WM8080-ND	1.03	9.13	60.85	243.38	90120-0130
	11	1.100 (27.94)	WM8081-ND	.80	7.04	46.96	187.83	90120-0131
	12	1.200 (30.48)	WM8082-ND	.69	6.09	40.57	162.29	90120-0132
	40	4.000 (101.60)	WM8083-ND	4.14	36.55	243.67	974.67	90120-0160
2	2	.200 (5.08)	WM8096-ND	.23	2.05	13.68	54.70	90121-0122
	3	.300 (7.62)	WM8097-ND	.35	3.06	20.41	81.62	90121-0123
	4	.400 (10.16)	WM8098-ND	.47	4.11	27.38	109.50	90121-0124
	5	.500 (12.70)	WM8099-ND	.58	5.08	33.89	135.57	90121-0125
	6	.600 (15.24)	WM8100-ND	.67	5.88	39.17	156.67	90121-0126
	7	.700 (17.78)	WM8101-ND	.76	6.75	45.00	179.99	90121-0127
	8	.800 (20.32)	WM8102-ND	.85	7.53	50.22	200.87	90121-0128
	9	.900 (22.86)	WM8103-ND	.91	8.03	53.50	214.01	90121-0129
	10	1.000 (25.40)	WM8104-ND	1.03	9.13	60.85	243.38	90121-0130
	11	1.100 (27.94)	WM8105-ND	1.14	10.04	66.94	267.76	90121-0131
	12	1.200 (30.48)	WM8106-ND	1.24	10.96	73.09	292.35	90121-0132
	40	4.000 (101.60)	WM8107-ND	4.59	40.47	269.80	1079.19	90121-0160
3	4	.200 (5.08)	WM8120-ND	.42	3.67	24.49	97.94	90131-0122
	6	.300 (7.62)	WM8121-ND	.43	3.80	25.31	101.23	90131-0123
	8	.400 (10.16)	WM8122-ND	.83	7.29	48.60	194.40	90131-0124
	10	.500 (12.70)	WM8123-ND	1.03	9.13	60.85	243.38	90131-0125
	12	.600 (15.24)	WM8124-ND	1.24	10.96	73.09	292.35	90131-0126

Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
3	14	.700 (17.78)	WM8125-ND	1.45	12.81	85.41	341.64	90131-0127
	16	.800 (20.32)	WM8126-ND	1.66	14.64	97.57	390.29	90131-0128
	18	.900 (22.86)	WM8127-ND	1.87	16.53	110.19	440.75	90131-0129
	20	1.000 (25.40)	WM8128-ND	2.08	18.36	122.43	489.72	90131-0130
	22	1.100 (27.94)	WM8129-ND	2.28	20.15	134.30	537.21	90131-0131
	24	1.200 (30.48)	WM8130-ND	2.48	21.91	146.10	584.38	90131-0132
	26	1.300 (33.02)	WM8131-ND	2.69	23.75	158.34	633.35	90131-0133
	28	1.400 (35.56)	WM8132-ND	2.90	25.59	170.58	682.32	90131-0134
	30	1.500 (38.10)	WM8133-ND	3.11	27.42	182.82	731.29	90131-0135
	40	2.000 (50.80)	WM8134-ND	4.14	36.55	243.67	974.67	90131-0140
	50	2.500 (63.50)	WM8135-ND	5.18	45.69	304.62	1218.47	90131-0145
	60	3.000 (76.20)	WM8136-ND	6.22	54.85	365.65	1462.59	90131-0150
	80	4.000 (101.60)	WM8137-ND	8.28	73.09	487.28	1949.13	90131-0160
4	4	.200 (5.08)	WM8157-ND	.85	7.53	50.22	200.87	90122-0122
	6	.300 (7.62)	WM8158-ND	1.07	9.46	63.04	252.17	90122-0123
	8	.400 (10.16)	WM8159-ND	1.15	10.16	67.74	270.94	90122-0124
	10	.500 (12.70)	WM8160-ND	1.30	11.45	76.35	305.39	90122-0125
	12	.600 (15.24)	WM8161-ND	1.51	13.29	88.59	354.36	90122-0126
	14	.700 (17.78)	WM8162-ND	1.67	14.76	98.40	393.58	90122-0127
	16	.800 (20.32)	WM8163-ND	1.85	16.35	109.00	435.98	90122-0128
	18	.900 (22.86)	WM8164-ND	2.03	17.94	119.60	478.38	90122-0129
	20	1.000 (25.40)	WM8165-ND	2.20	19.41	129.40	517.60	90122-0130
	24	1.200 (30.48)	WM8166-ND	2.53	22.35	148.98	595.93	90122-0132
	26	1.300 (33.02)	WM8167-ND	2.82	24.85	165.68	662.71	90122-0133
	30	1.500 (38.10)	WM8168-ND	3.39	29.87	199.15	796.59	90122-0135
	34	1.700 (43.18)	WM8169-ND	3.57	31.47	209.78	839.10	90122-0137
	36	1.800 (45.72)	WM8170-ND	3.64	32.14	214.28	857.12	90122-0138
	40	2.000 (50.80)	WM8171-ND	4.33	38.20	254.67	1018.66	90122-0140
	44	2.200 (55.88)	WM8172-ND	4.55	40.11	267.39	1069.54	90122-0142
	50	2.500 (63.50)	WM8173-ND	6.04	53.26	355.05	1420.19	90122-0145
	80	4.000 (101.60)	WM8174-ND	7.46	65.87	439.11	1756.42	90122-0160

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MTA .100" (2.54mm) Receptacles and Post Headers

IDC Receptacles: • Wire-to-post connectors preloaded with dual beam contacts • Connectors and headers are end-to-end stackable • Connectors preloaded with IDC contact • All contacts are slotted for insulation displacement (IDC) terminal technique • Contacts are lubricated to prevent fretting corrosion • Meets the material requirements of Table 23.1 of UL1410 Standards for Television Receiver and Video Products (wire-to-post connectors only) • Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 • Certified by Canadian Standards Association

PERFORMANCE DATA: Voltage Rating: 250VAC **Current Rating:** 5A **Low-Level Resistance:** 6mΩ initial **Dielectric Withstanding Voltage:** 750VAC/1 minute **Insulation Resistance:** 5000MΩ minimum initial **Operating Temperature:** -55°C ~ 105°C **MATERIAL AND FINISH: Receptacles:** UL94V-2 rated (unless otherwise noted), type 6/6 nylon (28 AWG - Green; 26 AWG - Blue; 24 AWG - White; 22 AWG - Red) **Contacts:** plating is tin or 30µ gold

REplacement IDC contacts: Material and Finish: Phosphor bronze, post tin plated: 30µ

CST - 100 Crimp contacts and housings: • High current rating • Mates with MTA and similar competitive notched headers • Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 • Certified by Canadian Standards Association, File No. LR7189 **Performance Data: Voltage Rating:** 250VAC **Current Rating:** 4A maximum **Low-Level Resistance:** 6mΩ maximum initial, 10mΩ maximum final **Insulation Resistance:** 1000MΩ minimum initial, 100MΩ minimum final **Operating Temperature:** -55°C ~ 105°C **Contact Finish:** Selective gold, 30µ gold over 127µ nickel or bright tin-lead on entire contact **Wire Range:** 22-26 AWG **Maximum Ins. Diameter:** .065

Keying Plug with Carrier strip (10 plugs per strip): Material: UL94V-2 rated, type 6/6 nylon, natural color

LED Connectors: Designed to mate with .36mm-.51mm diameter posts or square leads **Material and Finish: Receptacles:** UL94V-2 rated, type 6/6 nylon (28 AWG - Green; 26 AWG - Blue; 24 AWG - White; 22 AWG - Red) **Contacts:** Phosphor bronze, post tin plated, 30µ

REplacement LED contacts: MATERIAL AND FINISH: Phosphor bronze, post tin plated; 30µ

Post HEaders: MATERIAL FOR HOUSING : Polyester UL94V-0 rated, natural or black **Post Plating:** tin or 30µ gold

Fig. 1 — Receptacle

Discrete Wire IDC

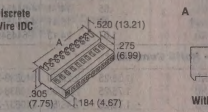

Fig. 2 — IDC & LED Contacts

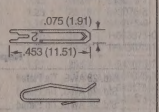

Fig. 3 — CST - 100 Housing

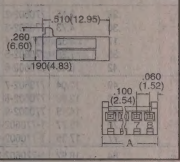

Fig. 4 — CST - 100 Crimp Contact

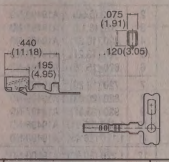

Fig. 5 — Keying Plug

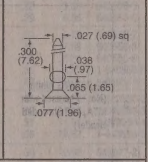

Fig. 6 — Strain Relief Cover - Closed End

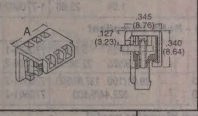

Fig. 7 — Dust Cover - Closed End

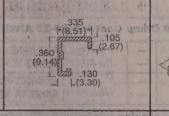

Fig. 8 — Strain Relief Cover - Feed-Thru

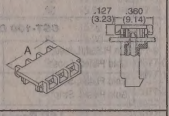

Fig. 9 — Dust Cover - Feed-Thru

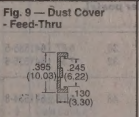

Fig. 10

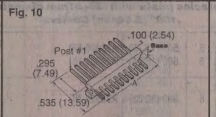

Fig. 11

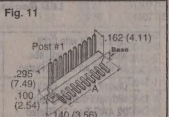

Fig. 12

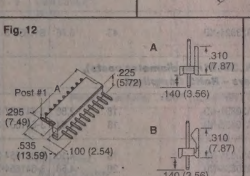

Fig. 13

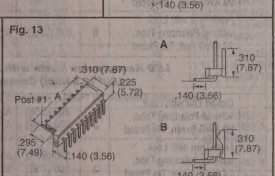

Fig. 14

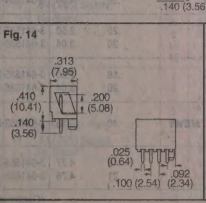

Fig. 15

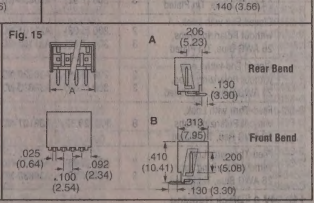

Fig.	Description	Circuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
	Receptacles, .100" (2.54mm) Centers						
1	***RoHS Compliant*** Closed End with Lock, without Polarizing Tabs, 28 AWG Green, Tin Plated	2	.200 (5.08)	A30994-ND	.18	2.50	3-640443-2
		3	.300 (7.62)	A30995-ND	.18	3.04	3-640443-3
		4	.400 (10.16)	A30996-ND	.22	5.04	3-640443-4
		5	.500 (12.70)	A30997-ND	.28	6.42	3-640443-5
		6	.600 (15.24)	A30998-ND	.30	6.87	3-640443-6
		7	.700 (17.78)	A30999-ND	.35	8.02	3-640443-7
		8	.800 (20.32)	A31000-ND	.40	9.13	3-640443-8
		9	.900 (22.86)	A31001-ND	1.00	22.65	3-640443-9
		10	1.000 (25.40)	A30951-ND	.51	11.47	4-640443-0
		11	1.100 (27.94)	A30952-ND	1.22	27.68	4-640443-1
		12	1.200 (30.48)	A30953-ND	.65	14.71	4-640443-2
		13	1.300 (33.02)	A30954-ND	1.44	32.71	4-640443-3
		14	1.400 (35.56)	A30955-ND	1.56	35.23	4-640443-4
		15	1.500 (38.10)	A30956-ND	1.07	24.13	4-640443-5
1A	***RoHS Compliant*** Closed End with Lock, with Polarizing Tabs, 28 AWG, Green, Tin Plated	2	.200 (5.08)	A31031-ND	.18	2.50	3-643816-2
		3	.300 (7.62)	A31032-ND	.20	3.04	3-643816-3
		4	.400 (10.16)	A31033-ND	.22	5.04	3-643816-4
		5	.500 (12.70)	A31034-ND	.28	6.42	3-643816-5
		6	.600 (15.24)	A31035-ND	.30	6.87	3-643816-6
		7	.700 (17.78)	A31036-ND	.35	8.02	3-643816-7
		10	1.000 (25.40)	A30970-ND	.51	11.47	4-643816-0
		12	1.200 (30.48)	A30971-ND	.65	14.71	4-643816-2
		15	1.500 (38.10)	A30972-ND	1.07	24.13	4-643816-5
	Feed-Thru with Lock, without Polarizing Tabs, 28 AWG Green, Tin Plated	9	.900 (22.86)	A19139-ND	1.07	24.20	640623-9
		14	1.400 (35.56)	A19144-ND	2.24	50.82	1-640623-4
1	***RoHS Compliant*** Feed-Thru with Lock, without Polarizing Tabs, 28 AWG Green, Tin Plated	2	.200 (5.08)	A30814-ND	.19	4.31	3-640623-2
		3	.300 (7.62)	A30815-ND	.21	4.77	3-640623-3
		4	.400 (10.16)	A30816-ND	.22	5.04	3-640623-4
		5	.500 (12.70)	A30817-ND	.28	6.42	3-640623-5
		6	.600 (15.24)	A30818-ND	.30	6.87	3-640623-6
		7	.700 (17.78)	A30819-ND	.35	8.02	3-640623-7
		8	.800 (20.32)	A30820-ND	.40	9.13	3-640623-8
		9	.900 (22.86)	A30821-ND	1.00	22.65	3-640623-9
		10	1.000 (25.40)	A30802-ND	.51	11.47	4-640623-0
		11	1.100 (27.94)	A30803-ND	1.22	27.68	4-640623-1
		12	1.200 (30.48)	A30804-ND	.65	14.71	4-640623-2
		13	1.300 (33.02)	A30805-ND	1.44	32.71	4-640623-3
		14	1.400 (35.56)	A30806-ND	1.56	35.23	4-640623-4
		15	1.500 (38.10)	A30807-ND	1.07	24.13	4-640623-5
1A	***RoHS Compliant*** Feed-Thru with Lock, with Polarizing Tabs, 28 AWG Green, Tin Plated	2	.200 (5.08)	A31045-ND	.18	4.15	3-644565-2
		3	.300 (7.62)	A31046-ND	.20	4.59	3-644565-3
		4	.400 (10.16)	A31047-ND	.22	5.04	3-644565-4
		5	.500 (12.70)	A31048-ND	.28	6.42	3-644565-5
		6	.600 (15.24)	A31049-ND	.30	6.87	3-644565-6
		7	.700 (17.78)	A31050-ND	.35	8.02	3-644565-7
		8	.800 (20.32)	A31051-ND	.40	9.13	3-644565-8
		10	1.000 (25.40)	A30975-ND	.51	11.47	4-644565-0
		12	1.200 (30.48)	A30976-ND	.65	14.71	4-644565-2
		15	1.500 (38.10)	A30977-ND	1.07	24.13	4-644565-5
	Closed End with Lock without Polarizing Tabs, 26 AWG Blue, Tin Plated	11	1.100 (27.94)	A19039-ND	1.31	29.58	1-640442-1
1	***RoHS Compliant*** Closed End with Lock, without Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A30986-ND	.18	2.50	3-640442-2
		3	.300 (7.62)	A30987-ND	.18	3.04	3-640442-3
		4	.400 (10.16)	A30988-ND	.22	5.04	3-640442-4
		5	.500 (12.70)	A30989-ND	.28	6.42	3-640442-5
		6	.600 (15.24)	A30990-ND	.30	6.87	3-640442-6
		7	.700 (17.78)	A30991-ND	.35	8.02	3-640442-7
		8	.800 (20.32)	A30992-ND	.40	9.13	3-640442-8
		9	.900 (22.86)	A30993-ND	1.00	22.65	3-640442-9
		10	1.000 (25.40)	A30945-ND	.51	11.47	4-640442-0
		11	1.100 (27.94)	A30946-ND	1.22	27.68	4-640442-1
		12	1.200 (30.48)	A30947-ND	.65	14.71	4-640442-2
		13	1.300 (33.02)	A30948-ND	1.44	32.71	4-640442-3
		13	1.300 (33.02)	A30808-ND†	.81	18.41	4-643828-3
		14	1.400 (35.56)	A30949-ND	1.56	35.23	4-640442-4
		15	1.500 (38.10)	A30950-ND	1.07	24.13	4-640442-5
1A	***RoHS Compliant*** Closed End with Lock, with Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A31024-ND	.18	2.50	3-643815-2
		3	.300 (7.62)	A31025-ND	.18	3.04	3-643815-3
		4	.400 (10.16)	A31026-ND	.22	5.04	3-643815-4
		5	.500 (12.70)	A31027-ND	.28	6.42	3-643815-5
		6	.600 (15.24)	A31028-ND	.30	6.87	3-643815-6
		7	.700 (17.78)	A31029-ND	.35	8.02	3-643815-7
		8	.800 (20.32)	A31030-ND	.40	9.13	3-643815-8
		10	1.000 (25.40)	A30967-ND	.51	11.47	4-643815-0
		12	1.200 (30.48)	A30968-ND	.65	14.71	4-643815-2
		13	1.300 (33.02)	A30810-ND†	.81	18.41	4-644313-3
		15	1.500 (38.10)	A30969-ND	1.07	24.13	4-643815-5
	Feed-Thru with Lock, without Polarizing Tabs, 26 AWG Blue, Tin Plated	11	1.100 (27.94)	A19121-ND	1.31	29.58	1-640622-1
		14	1.400 (35.56)	A19131-ND	2.24	50.82	1-640622-4
1	***RoHS Compliant*** Feed-Thru with Lock, without Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A31009-ND	.19	4.31	3-640622-2
		3	.300 (7.62)	A31010-ND	.21	4.76	3-640622-3
		4	.400 (10.16)	A31011-ND	.22	5.04	3-640622-4
		5	.500 (12.70)	A31012-ND	.28	6.42	3-640622-5
		6	.600 (15.24)	A31013-ND	.30	6.87	3-640622-6
		7	.700 (17.78)	A31014-ND	.35	8.02	3-640622-7
		8	.800 (20.32)	A31015-ND	.40	9.13	3-640622-8
		9	.900 (22.86)	A31016-ND	1.00	22.65	3-640622-9
		10	1.000 (25.40)	A30957-ND	1.11	25.16	4-640622-0
		11	1.100 (27.94)	A30958-ND	1.22	27.68	4-640622-1
		12	1.200 (30.48)	A30959-ND	.65	14.71	4-640622-2
		13	1.300 (33.02)	A30960-ND	1.44	32.71	4-640622-3
		13	1.300 (33.02)	A30813-ND†	.81	18.41	4-644577-3
		14	1.400 (35.56)	A30961-ND	1.56	35.23	4-640622-4
		15	1.500 (38.10)	A30962-ND	1.07	24.13	4-640622-5

† UL94V-0 - Black Housing

(Continued)

MTA .100" (2.54mm) Receptacles and Post Headers (Cont.)

Fig.	Description	Circuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
1A	***RoHS Compliant*** Feed-Thru with Lock, with Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A31038-ND	.19	4.25	3-644564-2
		3	.300 (7.62)	A31039-ND	.21	4.76	3-644564-3
		4	.400 (10.16)	A31040-ND	.22	5.04	3-644564-4
		5	.500 (12.70)	A31041-ND	.28	6.42	3-644564-5
		6	.600 (15.24)	A31042-ND	.30	6.87	3-644564-6
		7	.700 (17.78)	A31043-ND	.35	8.02	3-644564-7
		8	.800 (20.32)	A31044-ND	.40	9.13	3-644564-8
		12	1.200 (30.48)	A30973-ND	.65	14.71	4-644564-2
		13	1.300 (33.02)	A30811-ND†	.81	18.41	4-644497-3
		15	1.500 (38.10)	A30974-ND	1.07	24.13	4-644564-5
1A	Closed End with Lock, without Polarizing Tabs, 24 AWG White Tin Plated	11	1.100 (27.94)	A19024-ND	.66	14.97	1-640441-1
		14	1.400 (35.56)	A19027-ND	3.37	76.24	1-640441-4
1	***RoHS Compliant*** Closed End with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A30978-ND	.18	2.50	3-640441-2
		3	.300 (7.62)	A30979-ND	.18	3.04	3-640441-3
		4	.400 (10.16)	A30980-ND	.18	3.08	3-640441-4
		5	.500 (12.70)	A30981-ND	.28	6.42	3-640441-5
		6	.600 (15.24)	A30982-ND	.30	6.87	3-640441-6
		7	.700 (17.78)	A30983-ND	.35	8.02	3-640441-7
		8	.800 (20.32)	A30984-ND	.40	9.13	3-640441-8
		9	.900 (22.86)	A30985-ND	1.00	22.65	3-640441-9
		10	1.000 (25.40)	A30939-ND	.51	11.47	4-640441-0
		11	1.100 (27.94)	A30940-ND	1.22	27.68	4-640441-1
		12	1.200 (30.48)	A30941-ND	.65	14.71	4-640441-2
		13	1.300 (33.02)	A30942-ND	1.44	32.71	4-640441-3
		13	1.300 (33.02)	A30812-ND†	.81	18.41	4-644574-3
		14	1.400 (35.56)	A30943-ND	1.56	35.23	4-640441-4
		15	1.500 (38.10)	A30944-ND	1.07	24.13	4-640441-5
1A	***RoHS Compliant*** Closed End with Locks, with Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A31017-ND	.18	2.50	3-643814-2
		3	.300 (7.62)	A31018-ND	.18	3.04	3-643814-3
		4	.400 (10.16)	A31019-ND	.22	5.04	3-643814-4
		5	.500 (12.70)	A31020-ND	.28	6.42	3-643814-5
		6	.600 (15.24)	A31021-ND	.30	6.87	3-643814-6
		7	.700 (17.78)	A31022-ND	.35	8.02	3-643814-7
		8	.800 (20.32)	A31023-ND	.40	9.13	3-643814-8
		10	1.000 (25.40)	A30963-ND	.51	11.47	4-643814-0
		12	1.200 (30.48)	A30964-ND	.65	14.71	4-643814-2
		13	1.300 (33.02)	A30809-ND†	.81	18.41	4-644312-3
		15	1.500 (38.10)	A30965-ND	1.07	24.13	4-643814-5
		16	1.600 (40.64)	A30966-ND	2.11	47.81	4-643814-6
1	Feed-Thru with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	6	.600 (15.24)	A19095-ND	.32	7.34	640621-6
		9	.900 (22.86)	A19098-ND	2.06	46.56	640621-9
		12	1.200 (30.48)	A19101-ND	.69	15.72	1-640621-2
		13	1.300 (33.02)	A19102-ND	2.08	47.19	1-640621-3
	RoHS Compliant Feed-Thru with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A31002-ND	.18	4.10	3-640621-2
		3	.300 (7.62)	A31003-ND	.20	4.58	3-640621-3
		4	.400 (10.16)	A31004-ND	.22	5.04	3-640621-4
		5	.500 (12.70)	A31005-ND	.28	6.42	3-640621-5
		6	.600 (15.24)	A31006-ND	.30	6.87	3-640621-6
		7	.700 (17.78)	A31007-ND	.35	8.02	3-640621-7
		8	.800 (20.32)	A31008-ND	.40	9.13	3-640621-8
		9	.900 (22.86)	A31096-ND	1.92	43.57	3-640621-9
		10	1.000 (25.40)	A31064-ND	.51	11.47	4-640621-0
		11	1.100 (27.94)	A31065-ND	1.22	27.68	4-640621-1
		12	1.200 (30.48)	A31066-ND	.65	14.71	4-640621-2
		13	1.300 (33.02)	A31067-ND	1.44	32.71	4-640621-3
		13	1.300 (33.02)	A30824-ND†	.81	18.41	4-644576-3
		14	1.400 (35.56)	A31068-ND	1.56	35.23	4-640621-4
		15	1.500 (38.10)	A31069-ND	1.07	24.13	4-640621-5
1A	***RoHS Compliant*** Feed-Thru with Lock, with Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A31127-ND	.18	4.14	3-644563-2
		3	.300 (7.62)	A31128-ND	.20	4.50	3-644563-3
		4	.400 (10.16)	A31129-ND	.22	5.04	3-644563-4
		5	.500 (12.70)	A31130-ND	.28	6.42	3-644563-5
		6	.600 (15.24)	A31131-ND	.30	6.87	3-644563-6
		7	.700 (17.78)	A31132-ND	.35	8.02	3-644563-7
		8	.800 (20.32)	A31133-ND	.40	9.13	3-644563-8
		10	1.000 (25.40)	A31077-ND	.51	11.47	4-644563-0
		12	1.200 (30.48)	A31078-ND	.65	14.71	4-644563-2
		13	1.300 (33.02)	A30826-ND†	.81	18.41	4-644579-3
		15	1.500 (38.10)	A31079-ND	1.07	24.13	4-644563-5
1	***RoHS Compliant*** Closed End with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	2	.200 (5.08)	A31080-ND	.18	2.50	3-640440-2
		3	.300 (7.62)	A31081-ND	.18	3.04	3-640440-3
		4	.400 (10.16)	A31082-ND	.22	5.04	3-640440-4
		5	.500 (12.70)	A31083-ND	.28	6.42	3-640440-5
		6	.600 (15.24)	A31084-ND	.30	6.87	3-640440-6
		7	.700 (17.78)	A31085-ND	.35	8.02	3-640440-7
		8	.800 (20.32)	A31086-ND	.40	9.13	3-640440-8
		9	.900 (22.86)	A31087-ND	1.00	22.65	3-640440-9
		10	1.000 (25.40)	A31052-ND	.51	11.47	4-640440-0
		11	1.100 (27.94)	A31053-ND	1.22	27.68	4-640440-1
		12	1.200 (30.48)	A31054-ND	.65	14.71	4-640440-2
		13	1.300 (33.02)	A31055-ND	1.44	32.71	4-640440-3
		14	1.400 (35.56)	A31056-ND	1.56	35.23	4-640440-4
		15	1.500 (38.10)	A31057-ND	1.07	24.13	4-640440-5
1A	Closed End with Lock, with Polarizing Tabs, 22 AWG Red, Tin Plated	13	1.300 (33.02)	A23845-ND†	.87	19.68	1-643813-3
1A	***RoHS Compliant*** Closed End with Lock, with Polarizing Tabs, 22 AWG Red, Tin Plated	2	.200 (5.08)	A31107-ND	.18	2.50	3-643813-2
		2	.200 (5.08)	A30841-ND†	.35	7.97	3-644083-2
		3	.300 (7.62)	A30842-ND†	.88	19.97	3-644083-3
		4	.400 (10.16)	A31108-ND	.22	5.04	3-643813-4
		5	.500 (12.70)	A31109-ND	.28	6.42	3-643813-5
		7	.700 (17.78)	A31110-ND	.35	8.02	3-643813-7
		8	.800 (20.32)	A31111-ND	.40	9.13	3-643813-8
		10	1.000 (25.40)	A31070-ND	.51	11.47	4-643813-0
		11	1.100 (27.94)	A31071-ND	2.35	53.25	4-643813-1
		12	1.200 (30.48)	A31072-ND	.65	14.71	4-643813-2
		13	1.300 (33.02)	A30822-ND†	.81	18.41	4-644083-3
		15	1.500 (38.10)	A31073-ND	1.07	24.13	4-643813-5

Fig.	Description	Circuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
1	Feed -Thru with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	12	1.200 (30.48)	A19080-ND	.69	15.72	1-640620-2
		13	1.300 (33.02)	A19081-ND	1.54	34.96	1-640620-3
1	***RoHS Compliant*** Feed -Thru with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	2	.200 (5.08)	A31088-ND	.19	4.29	3-640620-2
		3	.300 (7.62)	A31089-ND	.21	4.69	3-640620-3
		4	.400 (10.16)	A31090-ND	.22	5.04	3-640620-4
		5	.500 (12.70)	A31091-ND	.28	6.42	3-640620-5
		6	.600 (15.24)	A31092-ND	.30	6.87	3-640620-6
		7	.700 (17.78)	A31093-ND	.35	8.02	3-640620-7
		8	.800 (20.32)	A31094-ND	.40	9.13	3-640620-8
		9	.900 (22.86)	A31095-ND	1.00	22.65	3-640620-9
		10	1.000 (25.40)	A31058-ND	.51	11.47	4-640620-0
		11	1.100 (27.94)	A31059-ND	1.22	27.68	4-640620-1
		12	1.200 (30.48)	A31060-ND	.65	14.71	4-640620-2
		13	1.300 (33.02)	A31061-ND	1.44	32.71	4-640620-3
		13	1.300 (33.02)	A30823-ND†	.81	18.41	4-644575-3
		14	1.400 (35.56)	A31062-ND	1.56	35.23	4-640620-4
		15	1.500 (38.10)	A31063-ND	1.07	24.13	4-640620-5
1A	***RoHS Compliant*** Feed -Thru with Lock, with Polarizing Tabs, 22 AWG Red, Tin Plated	2	.200 (5.08)	A31120-ND	.21	4.27	3-644540-2
		3	.300 (7.62)	A31121-ND	.21	4.74	3-644540-3
		4	.400 (10.16)	A31122-ND	.22	5.04	3-644540-4
		5	.500 (12.70)	A31123-ND	.28	6.42	3-644540-5
		6	.600 (15.24)	A31124-ND	.30	6.87	3-644540-6
		7	.700 (17.78)	A31125-ND	.35	8.02	3-644540-7
		8	.800 (20.32)	A31126-ND	.40	9.13	3-644540-8
		10	1.000 (25.40)	A31074-ND	.51	11.47	4-644540-0
		12	1.200 (30.48)	A31075-ND	.65	14.71	4-644540-2
		13	1.300 (33.02)	A30825-ND†	.81	18.41	4-644578-3
		15	1.500 (38.10)	A31076-ND	1.07	24.13	4-644540-5
	Replacement IDC Contacts – RoHS Compliant						
2	Std. 28 AWG, Tin Plated	—	—	A31100-ND	1.55/25	2.20/50	640639-2
	Std. 26 AWG, Tin Plated	—	—	A31099-ND	1.75/25	2.48/50	640638-3
	Std. 24 AWG, Tin Plated	—	—	A31098-ND	1.75/25	2.48/50	640637-3
	Std. 22 AWG, Tin Plated	—	—	A31097-ND	1.75/25	2.48/50	640636-3
	CST-100 Crimp Housing (Contacts Sold Separately) – RoHS Compliant						
3	22-26 AWG White (Not to be used with MTA .100 Shrouded Header)	2	.220 (5.59)	A19490-ND	.29	3.15	770602-2
		3	.320 (8.13)	A19491-ND	.30	4.73	770602-3
		4	.420 (10.67)	A19492-ND	.17	3.38	770602-4
		5	.520 (13.21)	A19493-ND	.35	7.89	770602-5
		6	.620 (15.75)	A19494-ND	.42	9.46	770602-6
		7	.720 (18.29)	A19495-ND	.49	11.04	770602-7
		8	.820 (20.83)	A19496-ND	.56	12.62	770602-8
		9	.920 (23.37)	A19497-ND	.63	14.19	770602-9
		10	1.020 (25.91)	A19498-ND	.70	15.77	1-770602-0
		11	1.120 (28.45)	A19499-ND	.77	17.35	1-770602-1
		12	1.220 (30.99)	A19500-ND	.84	18.92	1-770602-2
		13	1.320 (33.53)	A19510-ND	.91	20.50	1-770602-3
		14	1.420 (36.07)	A19511-ND	.98	22.08	1-770602-4
		15	1.520 (38.61)	A23961-ND	1.04	23.66	1-770602-5
	CST-100 Crimp Contact (26-22 AWG) – RoHS Compliant						
4	Tin Plated, Loose	—	—	A19520-ND	2.17/25	3.86/50	770666-1
	Gold Plated, Loose	—	—	A23962-ND	12.92/25	22.98/50	770666-2
	Gold Plated, Strip	—	—	A23962CT-ND	29.91/100	137.07/500	770601-2
	Gold Plated, Strip	—	—	A23962TR-ND	822.44/5,500		770601-2
	LED Receptacles (mate with .36-.51mm diameter posts), .100" (2.54mm) Centers						
1	Closed End with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	5	.500 (12.70)	A23920-ND	.30	6.87	641535-5
		6	.600 (15.24)	A23921-ND	.32	7.34	641535-6
	Closed End with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	8	.800 (20.32)	A23923-ND	.43	9.76	641534-8
	Feed-Thru with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	8	.800 (20.32)	A23924-ND	.43	9.76	641659-8
	LED Receptacles (mate with .36-.51mm diameter posts), .100" (2.54mm) Centers – RoHS Compliant						
1	Closed End with Lock, without Polarizing Tabs, 28 AWG Green, Tin Plated	2	.200 (5.08)	A30831-ND	.18	2.60	3-641537-2
		3	.300 (7.62)	A30832-ND	.18	3.04	3-641537-3
	Feed-Thru with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A30835-ND	.18	4.10	3-641654-2
		3	.300 (7.62)	A30836-ND	.20	4.58	3-641654-3
	Closed End with Lock, without Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A31101-ND	.20	2.50	3-641536-2
		3	.300 (7.62)	A31102-ND	.20	3.04	3-641536-3
	Closed End with Lock, without Polarizing Tabs, 24 AWG White, Tin Plated	2	.200 (5.08)	A30829-ND	.18	2.60	3-641535-2
		3	.300 (7.62)	A30830-ND	.20	3.04	3-641535-3
	Feed-Thru with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	8	.800 (20.32)	A33191-ND ***NEW!***	.40	9.13	3-641653-8
	Feed-Thru with Lock, without Polarizing Tabs, 26 AWG Blue, Tin Plated	2	.200 (5.08)	A30837-ND	.19	4.27	3-641655-2
		3	.300 (7.62)	A30838-ND	.21	4.76	3-641655-3

† UL94V-0 – Black Housing

(Continued)

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Fig.	Description	Cir-cuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
1A	Closed End with Lock, with Polarizing Tabs, 24 AWG, White, Tin Plated	2	.200 (5.08)	A30843-ND	.20	2.50	3-644795-2
1	Feed-Thru with Lock, without Polarizing Tabs, 28 AWG Green, Tin Plated	2 3	.200 (5.08) .300 (7.62)	A30839-ND A30840-ND	.18 .20	4.14 4.58	3-641656-2 3-641656-3
1	Closed End with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	2 3	.200 (5.08) .300 (7.62)	A30827-ND A30828-ND	.18 .18	2.60 3.04	3-641534-2 3-641534-3
1	Feed-Thru with Lock, without Polarizing Tabs, 22 AWG Red, Tin Plated	2 3	.200 (5.08) .300 (7.62)	A30833-ND A30834-ND	.19 .21	4.29 4.73	3-641653-2 3-641653-3
	Replacement LED Contacts – RoHS Compliant						
2	28 AWG, Tin Plated	—	—	A31106-ND	1.97/25	3.50/50	641646-1
2	26 AWG, Tin Plated	—	—	A31105-ND	1.97/25	3.50/50	641645-1
2	24 AWG, Tin Plated	—	—	A31104-ND	1.97/25	3.50/50	641644-1
2	22 AWG, Tin Plated	—	—	A31103-ND	1.97/25	3.50/50	641643-1
	Keying Plugs with Carrier Strip – RoHS Compliant						
5	10 Plugs per Strip	—	—	A19310-ND	.65	.59	641994-1
	Accessories, .100 – RoHS Compliant						
6	Closed End, Strain Relief Covers, White	2	.200 (5.08)	A19230-ND	.37	8.36	643075-2
		3	.300 (7.62)	A19231-ND	.43	9.76	643075-3
		4	.400 (10.16)	A19232-ND	.40	9.09	643075-4
		5	.500 (12.70)	A19233-ND	.44	9.92	643075-5
		6	.600 (15.24)	A19234-ND	.42	9.42	643075-6
		7	.700 (17.78)	A19235-ND	.45	10.07	643075-7
		8	.800 (20.32)	A19236-ND	1.25	28.18	643075-8
		9	.900 (22.86)	A19237-ND	1.26	28.27	643075-9
		10	1.000 (25.40)	A19238-ND	1.26	28.37	1-643075-0
		11	1.100 (27.94)	A19239-ND	1.27	28.47	1-643075-1
		12	1.200 (30.48)	A19240-ND	1.27	28.57	1-643075-2
		13	1.300 (33.02)	A19241-ND	1.21	27.24	1-643075-3
		14	1.400 (35.56)	A19242-ND	1.28	28.77	1-643075-4
		15	1.500 (38.10)	A23892-ND	1.28	28.86	1-643075-5
7	Closed End, Dust Covers, White	2	—	A19250-ND	.08	1.75	640550-2
		3	—	A19251-ND	.29	2.16	640550-3
		4	—	A19252-ND	.29	4.64	640550-4
		5	—	A19253-ND	.29	3.09	640550-5
		6	—	A19254-ND	.29	6.06	640550-6
		7	—	A19255-ND	.30	6.76	640550-7
		8	—	A19256-ND	.34	7.56	640550-8
		9	—	A19257-ND	.36	8.21	640550-9
		10	—	A19258-ND	.39	8.86	1-640550-0
		11	—	A19259-ND	.42	9.51	1-640550-1
		12	—	A19260-ND	.47	10.58	1-640550-2
		13	—	A19261-ND	.49	11.12	1-640550-3
		14	—	A19262-ND	.53	11.94	1-640550-4
		15	—	A23893-ND	.56	12.62	1-640550-5
8	Feed-Thru, Strain Relief Covers, White	2	.200 (5.08)	A19270-ND	.56	12.60	643077-2
		3	.300 (7.62)	A19271-ND	.19	4.27	643077-3
		4	.400 (10.16)	A19272-ND	.25	5.70	643077-4
		5	.500 (12.70)	A19273-ND	.63	14.08	643077-5
		6	.600 (15.24)	A19274-ND	.68	15.35	643077-6
		7	.700 (17.78)	A19275-ND	.71	15.92	643077-7
		8	.800 (20.32)	A19276-ND	.81	18.20	643077-8
		9	.900 (22.86)	A19277-ND	1.35	30.35	643077-9
		10	1.000 (25.40)	A19278-ND	1.26	28.37	1-643077-0
		11	1.100 (27.94)	A19279-ND	1.27	28.47	1-643077-1
		12	1.200 (30.48)	A19280-ND	1.27	28.57	1-643077-2
		13	1.300 (33.02)	A19281-ND	1.27	28.87	1-643077-3
		14	1.400 (35.56)	A19282-ND	1.28	28.77	1-643077-4
		15	1.500 (38.10)	A23894-ND	1.28	28.86	1-643077-5
9	Feed-Thru, Dust Covers White	3	—	A19291-ND	.29	2.18	640642-3
		4	—	A19292-ND	.29	2.67	640642-4
		5	—	A19293-ND	.29	3.09	640642-5
		6	—	A19294-ND	.29	6.06	640642-6
		7	—	A19295-ND	.30	6.76	640642-7
		8	—	A19296-ND	.34	7.56	640642-8
		9	—	A19297-ND	.36	8.21	640642-9
		10	—	A19298-ND	.39	8.86	1-640642-0
		11	—	A19299-ND	.42	9.51	1-640642-1
		12	—	A19300-ND	.47	10.58	1-640642-2
		13	—	A19301-ND	.49	11.12	1-640642-3
		14	—	A19302-ND	.53	11.94	1-640642-4
		15	—	A23895-ND	.56	12.62	1-640642-5
	Post Headers, .100" (2.54mm) Centers (.200" (5.08mm) Wide Base)						
10	Straight Post, .64 (.025) Square, Tin Plated	2	.200 (5.08)	A1911-ND	.28	5.43	640452-2
		3	.300 (7.62)	A19330-ND	.29	4.39	640452-3
		4	.400 (10.16)	A1912-ND	.33	7.40	640452-4
		5	.500 (12.70)	A19331-ND	.41	9.25	640452-5
		6	.600 (15.24)	A1913-ND	.45	10.09	640452-6
		7	.700 (17.78)	A19332-ND	.52	11.77	640452-7
		8	.800 (20.32)	A1914-ND	.60	13.46	640452-8
		9	.900 (22.86)	A19333-ND	.58	13.16	640452-9
		10	1.000 (25.40)	A1915-ND	.75	16.82	1-640452-0
		15	1.500 (38.10)	A24931-ND	1.40	31.54	1-640452-5
11	Right Angle Post, .64 (.025) Square, Tin Plated	2	.200 (5.08)	A1916-ND	.23	3.04	640453-2
		3	.300 (7.62)	A19340-ND	.30	5.77	640453-3
		4	.400 (10.16)	A1917-ND	.34	7.70	640453-4
		5	.500 (12.70)	A19341-ND	.43	9.62	640453-5
		6	.600 (15.24)	A1918-ND	.47	10.50	640453-6
		7	.700 (17.78)	A19342-ND	.54	12.25	640453-7
		8	.800 (20.32)	A1919-ND	.54	12.17	640453-8
		9	.900 (22.86)	A19343-ND	.70	15.74	640453-9
		10	1.000 (25.40)	A1920-ND	.78	17.49	1-640453-0
		12	1.200 (30.48)	A23927-ND	.93	20.99	1-640453-2
		15	1.500 (38.10)	A23896-ND	4.03	90.70	1-640453-5

Fig.	Description	Cir-cuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
	Narrow Base Post Headers, .100" (2.54mm) Centers (2.34mm Wide Base)						
10	Straight Post, .64 (.025) Square, without Retentive Legs, Tin Plated	6	.588 (14.94)	A19354-ND	.38	8.52	644456-6
		8	.788 (20.02)	A19356-ND	.80	17.97	644456-8
		2	.188 (4.78)	A31112-ND	.28	4.00	3-644456-2
		3	.288 (7.32)	A31113-ND	.29	4.93	3-644456-3
		4	.388 (9.86)	A31114-ND	.29	6.58	3-644456-4
		5	.488 (12.40)	A31115-ND	.36	8.22	3-644456-5
		6	.588 (14.94)	A31116-ND	.40	8.97	3-644456-6
	RoHS Compliant Straight Post, .64 (.025) Square, without Retentive Legs, Tin Plated	7	.688 (17.48)	A31117-ND	.46	10.47	3-644456-7
		8	.788 (20.02)	A31118-ND	.53	11.96	3-644456-8
		9	.888 (22.56)	A31119-ND	.59	13.46	3-644456-9
		10	.988 (25.10)	A30844-ND	.75	16.82	4-644456-0
		11	1.088 (27.64)	A30845-ND	.82	18.50	4-644456-1
		12	1.188 (30.18)	A30846-ND	.90	20.18	4-644456-2
		13	1.288 (32.72)	A30847-ND	.97	21.87	4-644456-3
		14	1.388 (35.26)	A30848-ND	1.05	23.55	4-644456-4
	Straight Post, .64 (.025) Square, with Retentive Legs Tin Plated	12	1.200 (30.48)	A19380-ND	2.92	65.61	1-644695-2
	RoHS Compliant Straight Post, .64 (.025) Square, with Retentive Legs Tin Plated	2	.188 (4.78)	A30916-ND	.22	4.95	3-644695-2
		3	.288 (7.32)	A30917-ND	.24	5.31	3-644695-3
		4	.388 (9.86)	A30918-ND	.36	8.14	3-644695-4
		5	.488 (12.40)	A30919-ND	.45	10.17	3-644695-5
		6	.588 (14.94)	A30920-ND	.49	11.10	3-644695-6
		7	.688 (17.48)	A30921-ND	.58	12.95	3-644695-7
		8	.788 (20.02)	A30922-ND	.66	14.80	3-644695-8
		9	.888 (22.56)	A30923-ND	.74	16.65	3-644695-9
		10	.988 (25.10)	A30869-ND	.82	18.50	4-644695-0
		11	1.088 (27.64)	A30870-ND	.90	20.35	4-644695-1
		12	1.188 (30.18)	A30871-ND	2.73	61.39	4-644695-2
		13	1.288 (32.72)	A30872-ND	1.07	24.05	4-644695-3
		14	1.388 (35.26)	A30873-ND	1.15	25.90	4-644695-4
11	Right Angle Post, .64 (.025) Square, without Retentive Legs, Tin Plated	14	1.400 (35.56)	A19402-ND	1.45	32.71	1-644457-4
	RoHS Compliant Right Angle Post, .64 (.025) Square, without Retentive Legs, Tin Plated	2	.188 (4.78)	A30884-ND	.17	3.85	3-644457-2
		3	.288 (7.32)	A30885-ND	.22	5.02	3-644457-3
		4	.388 (9.86)	A30886-ND	.34	7.70	3-644457-4
		5	.488 (12.40)	A30887-ND	.43	9.62	3-644457-5
		6	.588 (14.94)	A30888-ND	.47	10.50	3-644457-6
		7	.688 (17.48)	A30889-ND	1.50	33.86	3-644457-7
		8	.788 (20.02)	A30890-ND	.62	13.99	3-644457-8
		9	.888 (22.56)	A30891-ND	.70	15.74	3-644457-9
		10	.988 (25.10)	A30849-ND	.78	17.49	4-644457-0
		11	1.088 (27.64)	A30850-ND	.86	19.24	4-644457-1
		12	1.188 (30.18)	A30851-ND	.93	20.99	4-644457-2
		13	1.288 (32.72)	A30852-ND	1.01	22.74	4-644457-3
		14	1.388 (35.26)	A30853-ND	1.09	24.49	4-644457-4
	Right Angle Post, .64 (.025) Square, with Retentive Legs, Tin Plated	14	1.400 (35.56)	A19422-ND	1.60	35.98	1-644694-4
	RoHS Compliant Right Angle Post, .64 (.025) Square, with Retentive Legs, Tin Plated	2	.188 (4.78)	A30908-ND	.16	3.68	3-644694-2
		3	.288 (7.32)	A30909-ND	.25	5.52	3-644694-3
		4	.388 (9.86)	A30910-ND	.38	8.47	3-644694-4
		5	.488 (12.40)	A30911-ND	.47	10.58	3-644694-5
		6	.588 (14.94)	A30912-ND	.51	11.54	3-644694-6
		7	.688 (17.48)	A30913-ND	.60	13.47	3-644694-7
		8	.788 (20.02)	A30914-ND	.68	15.39	3-644694-8
		9	.888 (22.56)	A30915-ND	.77	17.32	3-644694-9
		10	.988 (25.10)	A30864-ND	.86	19.24	4-644694-0
		11	1.088 (27.64)	A30865-ND	.94	21.16	4-644694-1
		12	1.188 (30.18)	A30866-ND	1.03	23.09	4-644694-2
		13	1.288 (32.72)	A30867-ND	1.11	25.02	4-644694-3
		14	1.388 (35.26)	A30868-ND	1.20	26.94	4-644694-4
	Polarized Headers, .100" (2.54mm) Centers						
12A	***RoHS Compliant*** Straight Post, .64 (.025) Square, Tin Plated	2	.200 (5.08)	A19423-ND	.28	1.86	640454-2
		3	.300 (7.62)	A19430-ND	.28	2.56	640454-3
		4	.400 (10.16)	A19431-ND	.29	3.41	640454-4
		5	.500 (12.70)	A19432-ND	.29	4.14	640454-5
		6	.600 (15.24)	A19433-ND	.30	4.69	640454-6
		7	.700 (17.78)	A19434-ND	.30	5.32	640454-7
		8	.800 (20.32)	A19435-ND	.29	5.63	640454-8
		9	.900 (22.86)	A19436-ND	.74	16.65	640454-9
		10	1.000 (25.40)	A19437-ND	.30	6.75	1-640454-0
		11	1.100 (27.94)	A19438-ND	.90	20.35	1-640454-1
		12	1.200 (30.48)	A19439-ND	.45	10.23	1-640454-2
		13	1.300 (33.02)	A19440-ND	1.07	24.05	1-640454-3
		14	1.400 (35.56)	A19441-ND	1.15	25.90	1-640454-4
		15	1.500 (38.10)	A23929-ND	1.54	34.69	1-640454-5
	Straight Post, .64 (.025) Square, 30µ Gold Plated	13	1.300 (33.02)	A23907-ND	3.41	76.67	1-641213-3

† UL94V-0 - Black Housing

(Continued)

MTA .100" (2.54mm) Receptacles and Post Headers (Cont.)

Fig.	Description	Cir-cuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
		2	.200 (5.08)	A30770-ND	.56	12.70	3-641213-2
		3	.300 (7.62)	A30771-ND	.87	19.62	3-641213-3
		4	.400 (10.16)	A30772-ND	1.09	24.42	3-641213-4
		5	.500 (12.70)	A30773-ND	1.03	23.25	3-641213-5
		6	.600 (15.24)	A30774-ND	1.49	33.49	3-641213-6
	RoHS Compliant	7	.700 (17.78)	A30775-ND	1.65	37.21	3-641213-7
12A	Straight Post,	8	.800 (20.32)	A30776-ND	1.03	23.18	3-641213-8
	.64 (.025) Square,	9	.900 (22.86)	A30777-ND	2.08	46.88	3-641213-9
	30µ Gold Plated	10	1.000 (25.40)	A30747-ND	2.17	48.84	3-641213-0
		11	1.100 (27.94)	A30748-ND	2.52	56.65	3-641213-1
		12	1.200 (30.48)	A30749-ND	2.65	59.58	3-641213-2
		13	1.300 (33.02)	A30750-ND	2.91	65.44	3-641213-3
		14	1.400 (35.56)	A30751-ND	3.08	69.34	3-641213-4
		15	1.500 (38.10)	A30752-ND	3.17	71.31	3-641213-5
		2	.200 (5.08)	A19450-ND	.28	1.86	640455-2
		3	.300 (7.62)	A19451-ND	.28	2.56	640455-3
		4	.400 (10.16)	A19452-ND	.29	3.41	640455-4
		5	.500 (12.70)	A19453-ND	.29	4.14	640455-5
		6	.600 (15.24)	A19454-ND	.30	4.69	640455-6
	RoHS Compliant	7	.700 (17.78)	A19455-ND	.30	5.32	640455-7
	Right Angle Post,	8	.800 (20.32)	A19456-ND	.29	5.63	640455-8
	.64 (.025) Square,	9	.900 (22.86)	A19457-ND	.74	16.65	640455-9
	Tin Plated	10	1.000 (25.40)	A19458-ND	.30	6.75	1-640455-0
		11	1.100 (27.94)	A19459-ND	.90	20.35	1-640455-1
		12	1.200 (30.48)	A19460-ND	.45	10.23	1-640455-2
		13	1.300 (33.02)	A19461-ND	1.07	24.05	1-640455-3
		14	1.400 (35.56)	A19462-ND	1.15	25.90	1-640455-4
		15	1.500 (38.10)	A23932-ND	1.54	34.69	1-640455-5
13A	Right Angle Post,	3	.300 (7.62)	A23911-ND	1.55	34.94	641214-3
	.64 (.025) Square,	12	1.200 (30.48)	A23919-ND	3.45	77.71	1-641214-2
	30µ Gold Plated	13	1.300 (33.02)	A24927-ND	3.78	85.01	1-641214-3
		15	1.500 (38.10)	A24929-ND	4.25	95.55	1-641214-5
		2	.200 (5.08)	A30778-ND	.95	21.49	3-641214-2
		3	.300 (7.62)	A30779-ND	1.30	29.30	3-641214-3
		4	.400 (10.16)	A30780-ND	1.61	36.14	3-641214-4
		5	.500 (12.70)	A30781-ND	1.87	42.00	3-641214-5
		6	.600 (15.24)	A30782-ND	2.13	47.86	3-641214-6
	RoHS Compliant	7	.700 (17.78)	A30783-ND	2.30	51.76	3-641214-7
	Right Angle Post,	8	.800 (20.32)	A30784-ND	1.03	23.18	3-641214-8
	.64 (.025) Square,	9	.900 (22.86)	A30785-ND	2.52	56.65	3-641214-9
	30µ Gold Plated	10	1.000 (25.40)	A30753-ND	2.63	59.09	3-641214-0
		11	1.100 (27.94)	A30754-ND	2.73	61.53	3-641214-1
		12	1.200 (30.48)	A30755-ND	2.95	66.41	3-641214-2
		13	1.300 (33.02)	A30756-ND	3.26	73.25	3-641214-3
		14	1.400 (35.56)	A30757-ND	3.39	76.18	3-641214-4
		15	1.500 (38.10)	A30758-ND	3.43	77.07	3-641214-5
	Post Headers, .100" (2.54mm) Centers, Friction Lock Header						
		2	.200 (5.08)	A1921-ND	.28	1.86	640456-2
		3	.300 (7.62)	A19470-ND	.28	2.56	640456-3
		4	.400 (10.16)	A1922-ND	.29	3.41	640456-4
		5	.500 (12.70)	A19471-ND	.29	4.14	640456-5
		6	.600 (15.24)	A1923-ND	.30	4.69	640456-6
		7	.700 (17.78)	A19472-ND	.30	5.32	640456-7
	RoHS Compliant	8	.800 (20.32)	A1924-ND	.29	5.63	640456-8
	Straight Post,	9	.900 (22.86)	A19473-ND	.74	16.65	640456-9
	.64 (.025) Square,	10	1.000 (25.40)	A1925-ND	.30	6.75	1-640456-0
	Tin Plated	11	1.100 (27.94)	A19474-ND	.90	20.35	1-640456-1
		12	1.200 (30.48)	A19475-ND	.45	10.23	1-640456-2
		13	1.300 (33.02)	A19476-ND	1.07	24.05	1-640456-3
		14	1.400 (35.56)	A19477-ND	.91	20.48	1-640456-4
		15	1.500 (38.10)	A24930-ND	1.54	34.69	1-640456-5
		16	1.600 (40.64)	A29106-ND	1.64	37.00	1-640456-6
		20	2.000 (50.80)	A29104-ND	1.79	40.22	2-640456-0
		24	2.400 (60.96)	A29105-ND	2.47	55.50	2-640456-4
12B	Straight Post, .64 (.025) Square, 30µ Gold Plated	3	.300 (7.62)	A24933-ND	.87	19.52	641215-3
		2	.200 (5.08)	A30786-ND	.30	6.81	3-641215-2
		3	.300 (7.62)	A30787-ND	.51	11.54	3-641215-3
		4	.400 (10.16)	A30788-ND	1.07	24.18	3-641215-4
		5	.500 (12.70)	A30789-ND	1.41	31.63	3-641215-5
		6	.600 (15.24)	A30790-ND	1.57	35.35	3-641215-6
	RoHS Compliant	7	.700 (17.78)	A30791-ND	1.74	39.07	3-641215-7
	Straight Post,	8	.800 (20.32)	A30792-ND	1.03	23.18	3-641215-8
	.64 (.025) Square,	9	.900 (22.86)	A30793-ND	2.07	46.51	3-641215-9
	30µ Gold Plated	10	1.000 (25.40)	A30759-ND	2.19	49.30	3-641215-0
		11	1.100 (27.94)	A30760-ND	2.52	56.74	3-641215-1
		12	1.200 (30.48)	A30761-ND	2.65	59.53	3-641215-2
		14	1.400 (35.56)	A30762-ND	3.10	69.76	3-641215-4
		15	1.500 (38.10)	A30763-ND	3.39	76.27	3-641215-5
		2	.200 (5.08)	A1926-ND	.28	1.86	640457-2
		3	.300 (7.62)	A19480-ND	.28	2.56	640457-3
		4	.400 (10.16)	A1927-ND	.29	3.41	640457-4
		5	.500 (12.70)	A19481-ND	.29	4.14	640457-5
		6	.600 (15.24)	A1928-ND	.30	4.69	640457-6
	RoHS Compliant	7	.700 (17.78)	A19482-ND	.30	5.32	640457-7
13B	Right Angle Post,	8	.800 (20.32)	A1929-ND	.29	5.63	640457-8
	.64 (.025) Square,	9	.900 (22.86)	A19483-ND	.74	16.65	640457-9
	Tin Plated	10	1.000 (25.40)	A1930-ND	.30	6.75	1-640457-0
		11	1.100 (27.94)	A19484-ND	.90	20.35	1-640457-1
		12	1.200 (30.48)	A19485-ND	.45	10.23	1-640457-2
		13	1.300 (33.02)	A19486-ND	1.07	24.05	1-640457-3
		14	1.400 (35.56)	A19487-ND	1.15	25.90	1-640457-4
		15	1.500 (38.10)	A19488-ND	1.54	34.69	1-640457-5
		2	.200 (5.08)	A30795-ND	.71	15.97	3-641216-3
		3	.300 (7.62)	A30796-ND	1.45	32.70	3-641216-4
		4	.400 (10.16)	A30797-ND	1.74	39.07	3-641216-5
		5	.500 (12.70)	A30798-ND	1.90	42.79	3-641216-6
		6	.600 (15.24)	A30799-ND	1.98	44.65	3-641216-7
	RoHS Compliant	7	.700 (17.78)	A30800-ND	1.03	23.18	3-641216-8
	Right Angle Post,	8	.800 (20.32)	A30801-ND	2.19	49.30	3-641216-9
	.64 (.025) Square,	9	.900 (22.86)	A30764-ND	2.44	54.88	4-641216-0
	30µ Gold Plated	10	1.000 (25.40)	A30765-ND	2.65	59.53	4-641216-1
		11	1.100 (27.94)	A30766-ND	3.25	73.17	4-641216-2
		12	1.200 (30.48)	A30767-ND	3.14	70.69	4-641216-3
		13	1.300 (33.02)	A30768-ND	3.35	75.34	4-641216-4
		14	1.400 (35.56)	A30769-ND	3.43	77.07	4-641216-5
		15	1.500 (38.10)				

Fig.	Description	Cir-cuits	Dimension "A" Inch (mm)	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
13B	Right Angle Post, .64 (.025) Square, 30µ Gold Plated	5	.500 (12.70)	A24946-ND	1.85	41.72	641216-5
		10	1.000 (25.40)	A24950-ND	2.60	58.61	1-641216-0
		15	1.500 (38.10)	A24955-ND	5.36	120.63	1-641216-5
		2	.200 (5.08)	A30794-ND	.87	19.58	3-641216-2
		3	.300 (7.62)	A30795-ND	.71	15.97	3-641216-3
		4	.400 (10.16)	A30796-ND	1.45	32.70	3-641216-4
		5	.500 (12.70)	A30797-ND	1.74	39.07	3-641216-5
		6	.600 (15.24)	A30798-ND	1.90	42.79	3-641216-6
	RoHS Compliant	7	.700 (17.78)	A30799-ND	1.98	44.65	3-641216-7
	Right Angle Post,	8	.800 (20.32)	A30800-ND	1.03	23.18	3-641216-8
	.64 (.025) Square,	9	.900 (22.86)	A30801-ND	2.19	49.30	3-641216-9
	30µ Gold Plated	10	1.000 (25.40)	A30764-ND	2.44	54.88	4-641216-0
		11	1.100 (27.94)	A30765-ND	2.65	59.53	4-641216-1
		12	1.200 (30.48)	A30766-ND	3.25	73.17	4-641216-2
		13	1.300 (33.02)	A30767-ND	3.14	70.69	4-641216-3
		14	1.400 (35.56)	A30768-ND	3.35	75.34	4-641216-4
		15	1.500 (38.10)	A30769-ND	3.43	77.07	4-641216-5
	Shrouded Headers, .100" (2.54mm)						
		7	—	A23930-ND	1.54	34.73	644486-7
	Straight Post, .64 (.025) Square with Pegs, Tin Plated	11	—	A23936-ND	3.27	73.68	1-644486-1
		12	—	A23937-ND	2.65	59.54	1-644486-2
		13	—	A23938-ND	3.87	87.08	1-644486-3
		14	—	A23939-ND	4.17	93.78	1-644486-4
		2	—	A30892-ND†	.47	10.53	2-644486-2
		3	—	A30893-ND†	.53	11.94	2-644486-3
		4	—	A30894-ND†	.91	20.43	2-644486-4
		5	—	A30895-ND†	1.14	25.54	2-644486-5
		6	—	A30896-ND†	1.24	27.86	2-644486-6
	RoHS Compliant	7	—	A30897-ND†	1.44	32.50	2-644486-7
	Straight Post, .64 (.025)	8	—	A30898-ND†	.73	16.53	2-644486-8
	Square with Pegs,	9	—	A30899-ND†	3.57	80.39	2-644486-9
	Tin Plated	10	—	A30854-ND†	2.94	66.10	3-644486-0
		11	—	A30855-ND†	2.27	51.08	3-644486-1
		12	—	A30856-ND†	2.48	55.72	3-644486-2
		13	—	A30857-ND†	2.68	60.36	3-644486-3
		14	—	A30858-ND†	2.89	65.00	3-644486-4
14		5	—	A23825-ND	1.64	36.84	644861-5
	Straight Post, .64 (.025) Square without Pegs, Tin Plated	6	—	A23858-ND	1.32	29.77	644861-6
		9	—	A23860-ND	3.82	85.91	644861-9
		13	—	A23864-ND	3.87	87.08	1-644861-3
		14	—	A23865-ND	4.17	93.78	1-644861-4
		2	—	A30931-ND†	.55	12.44	2-644861-2
		3	—	A30932-ND†	.79	17.77	2-644861-3
		4	—	A30933-ND†	.91	20.43	2-644861-4
		5	—	A30934-ND†	1.14	25.54	2-644861-5
		6	—	A30935-ND†	1.24	27.86	2-644861-6
	RoHS Compliant	7	—	A30936-ND†	1.37	30.88	2-644861-7
	Straight Post, .64 (.025)	8	—	A30937-ND†	.73	16.53	2-644861-8
	Square without Pegs,	9	—	A30938-ND†	3.57	80.39	2-644861-9
	Tin Plated	10	—	A30879-ND†	2.06	46.43	3-644861-0
		11	—	A30880-ND†	2.27	51.08	3-644861-1
		12	—	A30881-ND†	2.48	55.72	3-644861-2
		13	—	A30882-ND†	2.68	60.36	3-644861-3
		14	—	A30883-ND†	2.89	65.00	3-644861-4
	Right-Angle Post, .64 (.025) Square, Front Bend without Pegs, Tin Plated	9	.984 (24.99)	A23873-ND	2.77	62.40	644488-9
		2	.284 (7.21)	A30990-ND†	.47	10.57	2-644488-2
		3	.384 (9.75)	A30901-ND†	.70	15.86	2-644488-3
		4	.484 (12.29)	A30902-ND†	.94	21.15	2-644488-4
		5	.584 (14.83)	A30903-ND†	1.12	25.11	2-644488-5
15A	***RoHS Compliant***	6	.684 (17.37)	A30904-ND†	1.28	28.83	2-644488-6
	Right-Angle Post,	7	.784 (19.91)	A30905-ND†	1.50	33.64	2-644488-7
	.64 (.025) Square,	8	.884 (22.45)	A30906-ND†	1.71	38.45	2-644488-8
	Front Bend without Pegs,	9	.984 (24.99)	A30907-ND†	2.60	58.39	2-644488-9
	Tin Plated	10	1.084 (27.53)	A30859-ND†	3.04	68.42	3-644488-0
		11	1.184 (30.07)	A30860-ND†	2.35	52.86	3-644488-1
		12	1.284 (32.61)	A30861-ND†	2.56	57.67	3-644488-2
		13	1.384 (35.15)	A30862-ND†	2.78	62.47	3-644488-3
		14	1.484 (37.69)	A30863-ND†	3.00	67.61	3-644488-4
	Right-Angle Post, .64 (.025) Square, Rear Bend without Pegs, Tin Plated	3	.384 (9.75)	A23880-ND	1.02	22.88	644803-3
		6	.684 (17.37)	A23883-ND	1.37	30.81	644803-6
		7	.784 (19.91)	A23884-ND	2.10	47.16	644803-7
		9	.984 (24.99)	A23886-ND	2.77	62.40	644803-9
		11	1.184 (30.07)	A23888-ND	3.39	76.26	1-644803-1
		13	1.384 (35.15)	A23890-ND	4.01	90.13	1-644803-3
		14	1.484 (37.69)	A23891-ND	4.33	97.53	1-644803-4
		2	.284 (7.21)	A30924-ND†	.47	10.57	2-644803-2
		3	.384 (9.75)	A30925-ND†	.70	15.86	2-644803-3
		4	.484 (12.29)	A30926-ND†	.94	21.15	2-644803-4
		5	.584 (14.83)	A30927-ND†	.59	13.37	2-644803-5
	RoHS Compliant	6	.684 (17.37)	A30928-ND†	1.28	28.83	2-644803-6
	Right-Angle Post,	7	.784 (19.91)	A30929-ND†	1.96	44.14	2-644803-7
	.64 (.025) Square,	9	.984 (24.99)	A30830-ND†	.20	3.04	2-644803-9
	Rear Bend without Pegs,	10	1.084 (27.53)	A30874-ND†	3.04	68.42	3-644803-0
	Tin Plated	11	1.184 (30.07)	A30875-ND†	2.35	52.86	3-644803-1
		12	1.284 (32.61)	A30876-ND†	2.56	57.67	3-644803-2
		13	1.384 (35.15)	A30877-ND†	2.78	62.47	3-644803-3
		14	1.484 (37.69)	A30878-ND†	3.00	67.61	3-644803-4

A9982-ND	T-Handle Tool for MTA .100" (2.54mm)	18.29/1	59803-1
A9973-ND	Crimp Die for MTA .100" (2.54mm) Feed-Thru Receptacles (Must be used with handle A2031-ND) use with Fig. 1	456.75/1	58442-1
A1998-ND	Crimp Die for MTA .100" (2.54mm) IDC Closed End Receptacles (Must be used with handle A2031-ND) use with Fig. 1	122.85/1	58246-1
A2031-ND	Manual Pistol Grip Handle for Metal and All-Plastic Shell Connectors. (Must order crimp die separately) use with Fig. 1	58.28/1	58074-1
A19530-ND	Crimp Tool for CST-100 with Die	210.59/1	58517-1
A19531-ND	Die Set for CST-100 (use with A9996-ND)	168.17/1	58517-2
A9996-ND	Crimp Tool Handle for CST-100	66.00/1	354940-1

† UL94V-0 - Black Housing

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Fig. 1

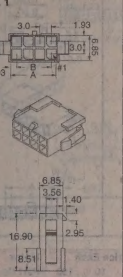


Fig. 2

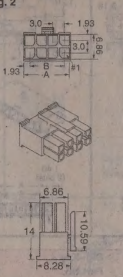


Fig. 3

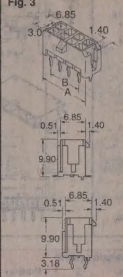


Fig. 4

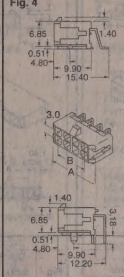


Fig. 5 – Blind Mate

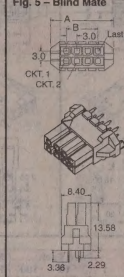


Fig. 6 – Blind Mate

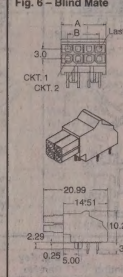


Fig. 7 – Blind Mate

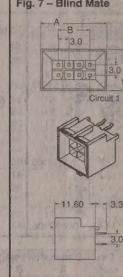
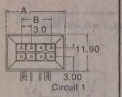
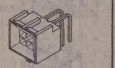


Fig.	Cir-cuits	Dimension (mm) A	B	Plating	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Plug Housing — Panel Mount (uses male terminal)									
1	2	3.85	—	—	WM1777-ND	.57	.51	.34	43020-0200
	4	6.85	3.00	—	WM1778-ND	.65	.58	.39	43020-0400
	6	9.85	6.00	—	WM1779-ND	.76	.67	.45	43020-0600
	8	12.85	9.00	—	WM1780-ND	.84	.75	.50	43020-0800
	10	15.85	12.00	—	WM1781-ND	.97	.86	.57	43020-1000
	12	18.85	15.00	—	WM1782-ND	1.12	.99	.66	43020-1200
	14	21.85	18.00	—	WM2483-ND	1.26	1.11	.74	43020-1400
	16	24.85	21.00	—	WM2484-ND	1.44	1.28	.85	43020-1600
	18	27.85	24.00	—	WM2485-ND	1.61	1.42	.95	43020-1800
	20	30.85	27.00	—	WM2486-ND	1.78	1.58	1.05	43020-2000
	22	33.85	30.00	—	WM2487-ND	1.95	1.72	1.15	43020-2200
	24	36.85	33.00	—	WM2488-ND	2.13	1.88	1.26	43020-2400
Receptacle Housing (uses female terminal)									
2	2	3.85	—	—	WM1783-ND	.57	.51	.34	43025-0200
	4	6.85	3.00	—	WM1784-ND	.65	.58	.39	43025-0400
	6	9.85	6.00	—	WM1785-ND	.76	.67	.45	43025-0600
	8	12.85	9.00	—	WM1786-ND	.84	.75	.50	43025-0800
	10	15.85	12.00	—	WM1787-ND	.97	.86	.57	43025-1000
	12	18.85	15.00	—	WM1788-ND	1.12	.99	.66	43025-1200
	14	21.85	18.00	—	WM2489-ND	1.26	1.11	.74	43025-1400
	16	24.85	21.00	—	WM2490-ND	1.44	1.28	.85	43025-1600
	18	27.85	24.00	—	WM2491-ND	1.61	1.42	.95	43025-1800
	20	30.85	27.00	—	WM2492-ND	1.78	1.57	1.05	43025-2000
	22	33.85	30.00	—	WM2493-ND	1.94	1.72	1.15	43025-2200
	24	36.85	33.00	—	WM2494-ND	2.13	1.88	1.26	43025-2400
Vertical Header — Through-Hole with Offset Terminal Retention									
3	2	6.65	—	Tin	WM1789-ND	1.02	.90	.60	43045-0212
	4	9.65	3.00	Tin	WM1790-ND	1.40	1.24	.83	43045-0412
	6	12.65	6.00	Tin	WM1791-ND	1.77	1.57	1.05	43045-0612
	8	15.65	9.00	Tin	WM1792-ND	2.15	1.90	1.27	43045-0812
	10	18.65	12.00	Tin	WM1793-ND	2.52	2.23	1.49	43045-1012
	12	21.65	15.00	Tin	WM1794-ND	2.92	2.58	1.72	43045-1212
	14	24.65	18.00	Tin	WM4711-ND	3.32	2.93	1.96	43045-1412
	16	27.65	21.00	Tin	WM4712-ND	3.70	3.27	2.18	43045-1612
	18	30.65	24.00	Tin	WM4713-ND	4.16	3.67	2.45	43045-1812
	20	33.65	27.00	Tin	WM4714-ND	4.62	4.08	2.72	43045-2012
	22	36.65	30.00	Tin	WM4715-ND	5.08	4.49	2.99	43045-2212
	24	39.65	33.00	Tin	WM4716-ND	5.54	4.89	3.26	43045-2412
	2	6.65	—	Gold, 30µ"	WM1795-ND	1.59	1.41	.94	43045-0214
	4	9.65	3.00	Gold, 30µ"	WM1796-ND	2.20	1.95	1.30	43045-0414
	6	12.65	6.00	Gold, 30µ"	WM1797-ND	2.80	2.47	1.65	43045-0614
	8	15.65	9.00	Gold, 30µ"	WM1798-ND	3.38	2.99	1.99	43045-0814
	10	18.65	12.00	Gold, 30µ"	WM1799-ND	4.03	3.56	2.38	43045-1014
	12	21.65	15.00	Gold, 30µ"	WM1800-ND	4.55	4.02	2.68	43045-1214
	14	24.65	18.00	Gold	WM4717-ND	5.19	4.59	3.06	43045-1414
	16	27.65	21.00	Gold	WM4718-ND	5.78	5.10	3.40	43045-1614
	18	30.65	24.00	Gold	WM4719-ND	6.50	5.74	3.83	43045-1814
	20	33.65	27.00	Gold	WM4720-ND	8.01	7.07	4.72	43045-2014
	22	36.65	30.00	Gold	WM4721-ND	7.94	7.01	4.68	43045-2214
	24	39.65	33.00	Gold	WM4722-ND	8.65	7.64	5.09	43045-2414
Vertical Header — SMT with Fitting Nail									
3	2	6.65	—	Tin	WM1801-ND	3.09	2.73	1.82	43045-0218
	4	9.65	3.00	Tin	WM1802-ND	3.57	3.15	2.10	43045-0418
	6	12.65	6.00	Tin	WM1803-ND	4.47	3.95	2.64	43045-0618-P
	8	15.65	9.00	Tin	WM1804-ND	4.61	4.07	2.71	43045-0818
	10	18.65	12.00	Tin	WM1805-ND	5.06	4.47	2.98	43045-1018
	12	21.65	15.00	Tin	WM1806-ND	5.52	4.87	3.25	43045-1218
	2	6.65	—	Gold, 30µ"	WM1807-ND	3.81	3.36	2.24	43045-0220
	4	9.65	3.00	Gold, 30µ"	WM1808-ND	4.56	4.03	2.69	43045-0420
	6	12.69	6.00	Gold, 30µ"	WM1809-ND	5.29	4.67	3.12	43045-0620
	8	15.65	9.00	Gold, 30µ"	WM1810-ND	6.13	5.42	3.61	43045-0820
	10	18.65	12.00	Gold, 30µ"	WM1811-ND	6.86	6.05	4.04	43045-1020
	12	21.65	15.00	Gold, 30µ"	WM1812-ND	7.57	6.69	4.46	43045-1220
Right Angle Header — Through-Hole									
4	2	6.65	—	Tin	WM1813-ND	1.32	1.17	.78	43045-0200
	4	9.65	3.00	Tin	WM1814-ND	1.69	1.49	1.00	43045-0400
	6	12.65	6.00	Tin	WM1815-ND	2.13	1.88	1.26	43045-0600
	8	15.65	9.00	Tin	WM1816-ND	2.60	2.30	1.54	43045-0800
	10	18.65	12.00	Tin	WM1817-ND	3.05	2.69	1.80	43045-1000
	12	21.65	15.00	Tin	WM1818-ND	3.50	3.09	2.06	43045-1200
	14	24.65	18.00	Tin	WM4723-ND	3.99	3.53	2.35	43045-1400
	16	27.65	21.00	Tin	WM4724-ND	4.46	3.94	2.63	43045-1600
	18	30.65	24.00	Tin	WM4725-ND	5.02	4.43	2.96	43045-1800
	20	33.65	27.00	Tin	WM4726-ND	5.58	4.93	3.29	43045-2000
	22	36.65	30.00	Tin	WM4727-ND	6.13	5.42	3.61	43045-2200
	24	39.65	33.00	Tin	WM4728-ND	6.69	5.90	3.94	43045-2400
	2	6.65	—	Gold, 30µ"	WM1819-ND	1.93	1.71	1.14	43045-0202
	4	9.65	3.00	Gold, 30µ"	WM1820-ND	2.65	2.34	1.56	43045-0402
	6	12.65	6.00	Gold, 30µ"	WM1821-ND	3.37	2.98	1.99	43045-0602
	8	15.65	9.00	Gold, 30µ"	WM1822-ND	4.10	3.62	2.42	43045-0802
	10	18.65	12.00	Gold, 30µ"	WM1823-ND	4.82	4.26	2.84	43045-1002
	12	21.65	15.00	Gold, 30µ"	WM1824-ND	5.57	4.92	3.28	43045-1202
4	14	24.65	18.00	Gold, 30µ"	WM4729-ND	6.25	5.52	3.68	43045-1402
	16	27.65	21.00	Gold, 30µ"	WM4730-ND	6.98	6.16	4.11	43045-1602
	18	30.65	24.00	Gold, 30µ"	WM4731-ND	7.85	6.93	4.62	43045-1802
	20	33.65	27.00	Gold, 30µ"	WM4732-ND	8.72	7.70	5.14	43045-2002
	22	36.65	30.00	Gold, 30µ"	WM4733-ND	9.60	8.47	5.65	43045-2202
	24	39.65	33.00	Gold, 30µ"	WM4734-ND	10.46	9.24	6.16	43045-2402
Right Angle Header — SMT with Fitting Nail									
4	2	6.65	—	Tin	WM1825-ND	3.00	2.65	1.77	43045-0209
	4	9.65	3.00	Tin	WM1826-ND	3.61	3.19	2.13	43045-0409
	6	12.65	6.00	Tin	WM1827-ND	4.17	3.68	2.46	43045-0609
	8	15.65	9.00	Tin	WM1828-ND	4.87	4.30	2.87	43045-0809
	10	18.65	12.00	Tin	WM1829-ND	5.42	4.78	3.19	43045-1009
	12	21.65	15.00	Tin	WM1830-ND	5.96	5.27	3.51	43045-1209
	2	6.65	—	Gold, 30µ"	WM1831-ND	3.87	3.42	2.28	43045-0211
	4	9.65	3.00	Gold, 30µ"	WM1832-ND	4.80	4.24	2.83	43045-0411
	6	12.65	6.00	Gold, 30µ"	WM1833-ND	5.66	5.00	3.34	43045-0611
	8	15.65	9.00	Gold, 30µ"	WM1834-ND	6.70	5.92	3.95	43045-0811
	10	18.65	12.00	Gold, 30µ"	WM1835-ND	7.56	6.68	4.45	43045-1011
	12	21.65	15.00	Gold, 30µ"	WM1836-ND	8.46	7.47	4.98	43045-1211
BMI Vertical Receptacle Header with Friction Pegs (Blind Mate)									
5	4	12.00	3.00	Tin	WM1953-ND	2.62	2.32	1.55	44769-0401
	6	15.00	6.00	Tin	WM1954-ND	3.33	2.94	1.96	44769-0601
	8	18.00	9.00	Tin	WM1955-ND	4.04	3.57	2.38	44769-0801
	10	21.00	12.00	Tin	WM1956-ND	4.74	4.18	2.79	44769-1001
	12	24.00	15.00	Tin	WM1957-ND	5.43	4.79	3.20	44769-1201
	14	27.00	18.00	Tin	WM1958-ND	6.15	5.43	3.62	44769-1401
	16	30.00	21.00	Tin	WM1959-ND	6.84	6.04	4.03	44769-1601
	4	12.00	3.00	Gold	WM1960-ND	3.27	2.89	1.93	44769-0402
	6	15.00	6.00	Gold	WM1961-ND	4.15	3.67	2.45	44769-0602
	8	18.00	9.00	Gold	WM1962-ND	5.03	4.45	2.97	44769-0802
	10	21.00	12.00	Gold	WM1963-ND	5.92	5.23	3.49	44769-1002
	12	24.00	15.00	Gold	WM1964-ND	6.78	5.99	3.99	44769-1202
	14	27.00	18.00	Gold	WM1965-ND	7.67	6.77	4.52	44769-1402
	16	30.00	21.00	Gold	WM1966-ND	8.53	7.53	5.02	44769-1602
BMI Right Angle Receptacle Header with Friction Pegs (Blind Mate)									
6	4	6.70	3.00	Tin	WM1981-ND	3.14	2.78	1.85	44764-0401
	6	9.70	6.00	Tin	WM1982-ND	3.98	3.51	2.34	44764-0601
	8	12.70	9.00	Tin	WM1983-ND	4.86	4.29	2.86	44764-0801
	10	15.70	12.00	Tin	WM1984-ND	5.70	5.03	3.36	44764-1001
	12	18.70	15.00	Tin	WM1985-ND	6.54	5.78	3.85	44764-1201
	14	21.70	18.00	Tin	WM1986-ND	7.39	6.53	4.35	44764-1401
	16	24.70	21.00	Tin	WM1987-ND	8.25	7.28	4.86	44764-1601
	4	6.70	3.00	Gold	WM1988-ND	3.92	3.46	2.31	44764-0402
	6	9.70	6.00	Gold	WM1989-ND	4.97	4.39	2.93	44764-0602
	8	12.70	9.00	Gold	WM1990-ND	6.07	5.36	3.57	44764-0802
	10	15.70	12.00	Gold	WM1991-ND	7.11	6.27	4.19	44764-1002
	12	18.70	15.00	Gold	WM1992-ND	8.18	7.22	4.82	44764-1202
	14	21.70	18.00	Gold	WM1993-ND	9.22	8.14	5.43	44764-1402
	16	24.70	21.00	Gold	WM1994-ND	10.29	9.09	6.06	44764-1602
BMI Vertical Header with Polarizing Pegs (Blind Mate)									
7	4	13.00	3.00	Tin	WM1967-ND	1.88	1.66	1.11	44432-0401
	6	16.00	6.00	Tin	WM1968-ND	2.39	2.11	1.41	44432-0601
	8	19.00	9.00	Tin	WM1969-ND	2.90	2.56	1.71	44432-0801
	10	22.00	12.00	Tin	WM1970-ND	3.40	3.00	2.00	44432-1001
	12	25.00	15.00	Tin	WM1971-ND	3.89	3.43	2.29	44432-1201
	14	28.00	18.00	Tin	WM1972-ND	4.41	3.90	2.60	44432-1401
	16	31.00	21.00	Tin	WM1973-ND	4.91	4.33	2.89	44432-1601
	4	13.00	3.00	Gold	WM1974-ND	2.34	2.07	1.38	44432-0402
	6	16.00	6.00	Gold	WM1975-ND	2.97	2.63	1.75	44432-0602
	8	19.00	9.00	Gold	WM1976-ND	3.61	3.19	2.13	44432-0802
	10	22.00	12.00	Gold	WM1977-ND	4.24	3.75	2.50	44432-1002
	12	25.00	15.00	Gold	WM1978-ND	4.85	4.29	2.86	44432-1202
	14	28.00	18.00	Gold	WM1979-ND	5.50	4.85	3.24	44432-1402
	16	31.00	21.00	Gold	WM1980-ND	6.11	5.40	3.60	44432-1602
Right Angle Header (Blind Mate)									
8	4	13.00	3.00	Tin	WM1995-ND	2.27	2.00	1.34	44428-0401
	6	16.00	6.00	Tin	WM1996-ND	2.86	2.53	1.69	44428-0601
	8	19.00	9.00	Tin	WM1997-ND	3.49	3.09	2.06	44428-0801
	10	22.00	12.00	Tin	WM1998-ND	4.10	3.62	2.41	44428-1001
	12	25.00	15.00	Tin	WM1999-ND	4.70	4.15	2.77	44428-1201
	14	28.00	18.00	Tin	WM2025-ND	5.31	4.69	3.13	44428-1401
	16	31.00	21.00	Tin	WM2026-ND	5.92	5.23	3.49	44428-1601
	4	13.00	3.00	Gold	WM2027-ND	2.83	2.50	1.67	44428-0402
	6	16.00	6.00	Gold	WM2028-ND	3.57	3.16	2.11	44428-0602

(Continued)

Fig. 8 – Blind Mate





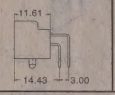
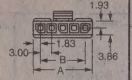
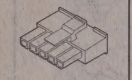


Fig. 9





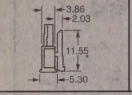
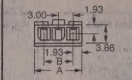
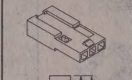


Fig. 10





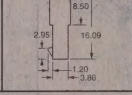
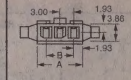


Fig. 11



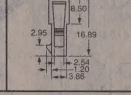
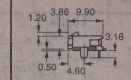


Fig. 12



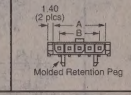
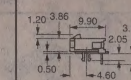


Fig. 13



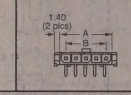
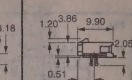


Fig. 14



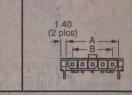
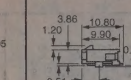
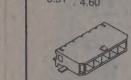


Fig. 15





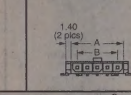


Fig.	Circuits	Dimension (mm) A	B	Plating	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
8	8	19.00	9.00	Gold	WM2029-ND	4.36	3.85	2.57	44428-0802
	10	22.00	12.00	Gold	WM2030-ND	5.10	4.51	3.01	44428-1002
	12	25.00	15.00	Gold	WM2031-ND	5.86	5.17	3.45	44428-1202
	14	28.00	18.00	Gold	WM2032-ND	6.62	5.84	3.90	44428-1402
	16	31.00	21.00	Gold	WM2033-ND	7.38	6.52	4.35	44428-1602
					Micro-Fit Receptacle Housing				
9	2	6.85	3.00	—	WM1845-ND	.57	.51	.34	43645-0200
	3	9.85	6.00	—	WM1846-ND	.61	.51	.36	43645-0300
	4	12.85	9.00	—	WM1847-ND	.65	.58	.39	43645-0400
	5	15.85	12.00	—	WM1848-ND	.71	.63	.42	43645-0500
	6	18.85	15.00	—	WM1849-ND	.76	.67	.45	43645-0600
	7	21.85	18.00	—	WM2405-ND	.76	.67	.45	43645-0700
	8	24.85	21.00	—	WM2406-ND	.80	.71	.48	43645-0800
	9	27.85	24.00	—	WM2407-ND	.86	.77	.51	43645-0900
	10	30.85	27.00	—	WM2408-ND	.92	.82	.55	43645-1000
	11	33.85	30.00	—	WM2409-ND	1.00	.89	.59	43645-1100
	12	36.85	33.00	—	WM2410-ND	1.08	.95	.64	43645-1200
					Micro-Fit Plug Housing without Panel Mounts				
10	2	6.85	3.00	—	WM1855-ND	.57	.51	.34	43640-0201
	3	9.85	6.00	—	WM1856-ND	.61	.54	.36	43640-0301
	4	12.85	9.00	—	WM1857-ND	.65	.58	.39	43640-0401
	5	15.85	12.00	—	WM1858-ND	.71	.63	.42	43640-0501
	6	18.85	15.00	—	WM1859-ND	.76	.67	.45	43640-0601
	7	21.85	18.00	—	WM2417-ND	.76	.67	.45	43640-0701
	8	24.85	21.00	—	WM2418-ND	.80	.71	.48	43640-0801
	9	27.85	24.00	—	WM2419-ND	.86	.77	.51	43640-0901
	10	30.85	27.00	—	WM2420-ND	.92	.82	.55	43640-1001
	11	33.85	30.00	—	WM2421-ND	1.00	.89	.59	43640-1101
	12	36.85	33.00	—	WM2422-ND	1.08	.95	.64	43640-1201
					Micro-Fit Plug Housing with Panel Mounts				
11	2	6.85	3.00	—	WM1850-ND	.57	.51	.34	43640-0200
	3	9.85	6.00	—	WM1851-ND	.61	.55	.37	43640-0300
	4	12.85	9.00	—	WM1852-ND	.65	.58	.39	43640-0400
	5	15.85	12.00	—	WM1853-ND	.71	.63	.42	43640-0500
	6	18.85	15.00	—	WM1854-ND	.76	.67	.45	43640-0600
	7	21.85	18.00	—	WM2411-ND	.76	.67	.45	43640-0700
	8	24.85	21.00	—	WM2412-ND	.80	.71	.48	43640-0800
	9	27.85	24.00	—	WM2413-ND	.86	.77	.51	43640-0900
	10	30.85	27.00	—	WM2414-ND	.92	.82	.55	43640-1000
	11	33.85	30.00	—	WM2415-ND	1.00	.89	.59	43640-1100
	12	36.85	33.00	—	WM2416-ND	1.08	.95	.64	43640-1200
					Micro-Fit Header — Right Angle				
12	2	6.85	3.00	Tin	WM1860-ND	1.23	1.09	.73	43650-0200
	3	9.85	6.00	Tin	WM1861-ND	1.47	1.30	.87	43650-0300
	4	12.85	9.00	Tin	WM1862-ND	1.71	1.51	1.01	43650-0400
	5	15.85	12.00	Tin	WM1863-ND	1.93	1.71	1.14	43650-0500
	6	18.85	15.00	Tin	WM1864-ND	2.16	1.91	1.28	43650-0600
	7	21.85	18.00	Tin	WM2423-ND	2.41	2.14	1.43	43650-0700
	8	24.85	21.00	Tin	WM2424-ND	2.59	2.29	1.53	43650-0800
	9	27.85	24.00	Tin	WM2425-ND	2.89	2.55	1.70	43650-0900
	10	30.85	27.00	Tin	WM2426-ND	3.12	2.75	1.84	43650-1000
	11	33.85	30.00	Tin	WM2427-ND	3.35	2.96	1.98	43650-1100
	12	36.85	33.00	Tin	WM2428-ND	3.58	3.16	2.11	43650-1200
	2	6.85	3.00	Gold	WM1865-ND	1.55	1.37	.92	43650-0201
	3	9.85	6.00	Gold	WM1866-ND	1.83	1.62	1.08	43650-0301
	4	12.85	9.00	Gold	WM1867-ND	2.11	1.86	1.24	43650-0401
	5	15.85	12.00	Gold	WM1868-ND	2.40	2.12	1.42	43650-0501
	6	18.85	15.00	Gold	WM1869-ND	2.72	2.40	1.60	43650-0601
	7	21.85	18.00	Gold	WM2429-ND	3.00	2.66	1.77	43650-0701
	8	24.85	21.00	Gold	WM2430-ND	3.30	2.92	1.95	43650-0801
	9	27.85	24.00	Gold	WM2431-ND	3.59	3.17	2.11	43650-0901
	10	30.85	27.00	Gold	WM2432-ND	3.87	3.42	2.28	43650-1001
	11	33.85	30.00	Gold	WM2433-ND	4.16	3.68	2.45	43650-1101
	12	36.85	33.00	Gold	WM2434-ND	4.45	3.93	2.62	43650-1201
					Micro-Fit Header — Right Angle with Retention Clip				
13	2	6.85	3.00	Tin	WM1870-ND	1.54	1.36	.91	43650-0203
	3	9.85	6.00	Tin	WM1871-ND	1.77	1.56	1.04	43650-0303
	4	12.85	9.00	Tin	WM1872-ND	1.92	1.70	1.13	43650-0403
	5	15.85	12.00	Tin	WM1873-ND	2.14	1.89	1.26	43650-0503
	6	18.85	15.00	Tin	WM1874-ND	2.43	2.15	1.44	43650-0603
	7	21.85	18.00	Tin	WM2436-ND	2.63	2.32	1.55	43650-0703
	8	24.85	21.00	Tin	WM2436-ND	2.87	2.54	1.69	43650-0803
	9	27.85	24.00	Tin	WM2437-ND	3.10	2.74	1.83	43650-0903
	10	30.85	27.00	Tin	WM2438-ND	3.33	2.94	1.96	43650-1003
	11	33.85	30.00	Tin	WM2439-ND	3.56	3.15	2.10	43650-1103
	12	36.85	33.00	Tin	WM2440-ND	3.79	3.35	2.23	43650-1203
	2	6.85	3.00	Gold	WM1875-ND	1.75	1.55	1.03	43650-0204
	3	9.85	6.00	Gold	WM1876-ND	2.04	1.81	1.21	43650-0304
	4	12.85	9.00	Gold	WM1877-ND	2.34	2.07	1.38	43650-0404
	5	15.85	12.00	Gold	WM1878-ND	2.69	2.38	1.59	43650-0504
	6	18.85	15.00	Gold	WM1879-ND	2.89	2.55	1.70	43650-0604
	7	21.85	18.00	Gold	WM2441-ND	3.54	3.13	2.09	43650-0704
	8	24.85	21.00	Gold	WM2442-ND	3.57	3.15	2.10	43650-0804
	9	27.85	24.00	Gold	WM2443-ND	3.86	3.41	2.27	43650-0904
	10	30.85	27.00	Gold	WM2444-ND	4.14	3.66	2.44	43650-1004
	11	33.85	30.00	Gold	WM2445-ND	4.43	3.91	2.61	43650-1104
	12	36.85	33.00	Gold	WM2446-ND	4.71	4.16	2.78	43650-1204
					Micro-Fit Header — Right Angle, SMT with Retention Clip				
14	2	6.85	3.00	Tin	WM1880-ND	2.85	2.52	1.68	43650-0209
	3	9.85	6.00	Tin	WM1881-ND	3.16	2.79	1.86	43650-0309
	4	12.85	9.00	Tin	WM1882-ND	3.46	3.06	2.04	43650-0409
	5	15.85	12.00	Tin	WM1883-ND	3.74	3.30	2.20	43650-0509
	6	18.85	15.00	Tin	WM1884-ND	4.02	3.55	2.37	43650-0609
	7	21.85	18.00	Tin	WM2447-ND	3.81	3.36	2.24	43650-0709
	8	24.85	21.00	Tin	WM2448-ND	3.39	2.99	2.00	43650-0809
	9	27.85	24.00	Tin	WM2449-ND	4.69	4.14	2.76	43650-0909
	10	30.85	27.00	Tin	WM2450-ND	5.48	4.84	3.23	43650-1009
	11	33.85	30.00	Tin	WM2451-ND	5.76	5.08	3.39	43650-1109
	12	36.85	33.00	Tin	WM2452-ND	6.03	5.32	3.55	43650-1209
	2	6.85	3.00	Gold	WM1885-ND	3.24	2.86	1.91	43650-0210
	3	9.85	6.00	Gold	WM1886-ND	3.61	3.19	2.13	43650-0310
	4	12.85	9.00	Gold	WM1887-ND	4.00	3.54	2.36	43650-0410
	5	15.85	12.00	Gold	WM1888-ND	4.33	3.82	2.55	43650-0510
	6	18.85	15.00	Gold	WM1889-ND	4.68	4.14	2.76	43650-0610
	7	21.85	18.00	Gold	WM2453-ND	4.50	3.97	2.65	43650-0710
	8	24.85	21.00	Gold	WM2454-ND	4.11	3.63	2.42	43650-0810
	9	27.85	24.00	Gold	WM2455-ND	5.26	4.64	3.10	43650-0910
	10	30.85	27.00	Gold	WM2456-ND	6.40	5.66	3.77	43650-1010
	11	33.85	30.00	Gold	WM2457-ND	6.76	5.97	3.98	43650-1110
	12	36.85	33.00	Gold	WM2458-ND	7.12	6.28	4.19	43650-1210
					Micro-Fit Header — Right Angle, SMT with Fitting Nail				
15	2	6.85	3.00	Tin	WM1890-ND	3.00	2.65	1.77	43650-0212
	3	9.85	6.00	Tin	WM1891-ND	3.30	2.92	1.95	43650-0312
	4	12.85	9.00	Tin	WM1892-ND	3.63	3.21	2.14	43650-0412
	5	15.85	12.00	Tin	WM1893-ND	3.88	3.43	2.29	43650-0512
	6	18.85	15.00	Tin	WM1894-ND	4.16	3.67	2.45	43650-0612
	7	21.85	18.00	Tin	WM2459-ND	4.71	4.16	2.78	43650-0712
	8	24.85	21.00	Tin	WM2460-ND	5.06	4.47	2.98	43650-0812
	9	27.85	24.00	Tin	WM2461-ND	5.34	4.72	3.15	43650-0912
	10	30.85	27.00	Tin	WM2462-ND	5.62	4.97	3.31	43650-1012
	11	33.85	30.00	Tin	WM2463-ND	5.90	5.21	3.48	43650-1112
	12	36.85	33.00	Tin	WM2464-ND	6.17	5.45	3.63	43650-1212
	2	6.85	3.00	Gold	WM1895-ND	3.38	2.98	1.99	43650-0213
	3	9.85	6.00	Gold	WM1896-ND	3.76	3.32	2.22	43650-0313
	4	12.85	9.00	Gold	WM1897-ND	4.12	3.64	2.43	43650-0413-P
	5	15.85	12.00	Gold	WM1898-ND	4.48	3.95	2.64	43650-0513
	6	18.85	15.00	Gold	WM1899-ND	4.82	4.26	2.84	43650-0613
	7	21.85	18.00	Gold	WM2465-ND	5.45	4.81	3.21	43650-0713
	8	24.85	21.00	Gold	WM2466-ND	5.87	5.19	3.46	43650-0813
	9	27.85	24.00	Gold	WM2467-ND	6.21	5.49	3.66	43650-0913
	10	30.85	27.00	Gold	WM2468-ND	6.55	5.78	3.86	43650-1013
	11	33.85	30.00	Gold	WM2469-ND	6.90	6.10	4.07	43650-1113
	12	36.85	33.00	Gold	WM2470-ND	7.26	6.41	4.27	43650-1213

(Continued)

Fig. 16

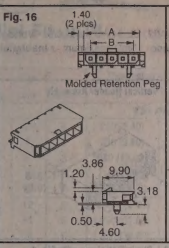


Fig. 17

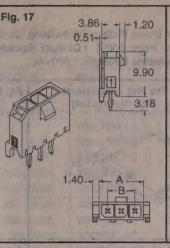


Fig. 18 – Blind Mate

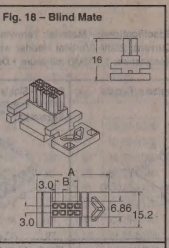


Fig. 19 – Blind Mate

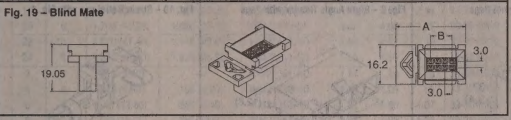
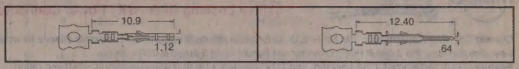


Fig.	Circuits	Dimension (mm) A	B	Plating	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
				Micro-Fit Header — Right Angle, SMT with Retention Peg					
	3	9.85	6.00	Tin	WM1901-ND	2.69	2.37	1.59	43650-0306
	4	12.85	9.00	Tin	WM1902-ND	2.96	2.62	1.75	43650-0406
16	6	18.85	15.00	Tin	WM1904-ND	3.47	3.06	2.04	43650-0606
	3	9.85	6.00	Gold	WM1906-ND	3.10	2.74	1.83	43650-0307
	4	12.85	9.00	Gold	WM1907-ND	3.21	2.84	1.89	43650-0407
				Micro-Fit Header — Vertical, Wire-to-Board					
	2	6.85	3.00	Tin	WM1917-ND	1.01	.90	.60	43650-0215
	3	9.85	6.00	Tin	WM1918-ND	1.40	1.24	.83	43650-0315
	4	12.85	9.00	Tin	WM1 919-ND	1.41	1.25	.83	43650-0415
	5	15.85	12.00	Tin	WM1920-ND	1.59	1.41	.94	43650-0515
	6	18.85	15.00	Tin	WM1921-ND	1.78	1.57	1.05	43650-0615
	7	21.85	18.00	Tin	WM2471-ND	2.02	1.79	1.19	43650-0715
	8	24.85	21.00	Tin	WM2472-ND	2.22	1.96	1.31	43650-0815
	9	27.85	24.00	Tin	WM2473-ND	2.42	2.14	1.43	43650-0915
	10	30.85	27.00	Tin	WM2474-ND	2.61	2.30	1.54	43650-1015
	11	33.85	30.00	Tin	WM2475-ND	2.80	2.48	1.65	43650-1115
17	12	36.85	33.00	Tin	WM2476-ND	2.98	2.64	1.76	43650-1215
	2	6.85	3.00	Gold, 15µ"	WM1922-ND	1.27	1.13	.75	43650-0216
	3	9.85	6.00	Gold, 15µ"	WM1923-ND	1.52	1.34	.90	43650-0316
	4	12.85	9.00	Gold, 15µ"	WM1924-ND	1.75	1.55	1.03	43650-0416
	5	15.85	12.00	Gold, 15µ"	WM1925-ND	2.01	1.78	1.19	43650-0516
	6	18.85	15.00	Gold, 15µ"	WM1926-ND	2.24	1.98	1.32	43650-0616
	7	21.85	18.00	Gold	WM2477-ND	2.51	2.22	1.48	43650-0716
	8	24.85	21.00	Gold	WM2478-ND	2.75	2.43	1.62	43650-0816
	9	27.85	24.00	Gold	WM2479-ND	3.00	2.65	1.77	43650-0916
	10	30.85	27.00	Gold	WM2480-ND	3.15	2.78	1.86	43650-1016
	11	33.85	30.00	Gold	WM2481-ND	3.49	3.08	2.06	43650-1116
	12	36.85	33.00	Gold	WM2482-ND	3.72	3.29	2.19	43650-1216
				BMI Receptacle — Panel-to-Panel (Blind Mate)					
	4	24.60	3.00	—	WM3712-ND	.77	.68	.46	44133-0400
	6	27.70	6.00	—	WM3713-ND	.92	.82	.55	44133-0600
	8	30.70	9.00	—	WM3714-ND	1.05	.93	.62	44133-0800
	10	33.80	12.00	—	WM3715-ND	1.22	1.09	.73	44133-1000
	12	36.80	15.00	—	WM3716-ND	1.45	1.28	.86	44133-1200
18	14	39.90	18.00	—	WM3717-ND	1.70	1.50	1.00	44133-1400
	16	42.90	21.00	—	WM3718-ND	1.96	1.74	1.16	44133-1600
	18	46.00	24.00	—	WM3719-ND	2.20	1.94	1.30	44133-1800
	20	49.00	27.00	—	WM3720-ND	2.45	2.17	1.45	44133-2000
	22	51.80	30.00	—	WM3721-ND	2.69	2.38	1.59	44133-2200
	24	54.90	33.00	—	WM3722-ND	2.95	2.60	1.74	44133-2400
				BMI Plug — Panel-to-Panel (Blind Mate)					
	4	22.84	3.00	—	WM3608-ND	.77	.68	.46	44300-0400
	6	25.84	6.00	—	WM3609-ND	.92	.82	.55	44300-0600
	8	28.84	9.00	—	WM3610-ND	1.05	.93	.62	44300-0800
	10	31.84	12.00	—	WM3611-ND	1.22	1.09	.73	44300-1000
	12	34.84	15.00	—	WM3612-ND	1.45	1.28	.86	44300-1200
19	14	37.84	18.00	—	WM3613-ND	1.70	1.50	1.00	44300-1400
	16	40.84	21.00	—	WM3614-ND	1.96	1.74	1.16	44300-1600
	18	43.84	24.00	—	WM3615-ND	2.21	1.95	1.30	44300-1800
	20	46.84	27.00	—	WM3616-ND	2.45	2.17	1.45	44300-2000
	22	49.84	30.00	—	WM3617-ND	2.69	2.38	1.59	44300-2200
	24	52.84	33.00	—	WM3618-ND	2.95	2.60	1.74	44300-2400

Micro-Fit 3.0™ Terminals



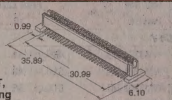
Description	Wire Size AWG	Insul. Dia. (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
Female-Tin	20-24	1.85	WM1837-ND	.18	.12	.09	43030-0007
			WM1837CT-ND*	—	.12	.09	43030-0001
			WM1837TR-ND†	504.00/12,000			43030-0001
Female-Tin	26-30	1.27	WM1838-ND	.18	.12	.09	43030-0010
Female-30µ" Gold	20-24	1.85	WM1839-ND	.20	.13	.10	43030-0009
Female-30µ" Gold	26-30	1.27	WM1840-ND	.26	.17	.13	43030-0012
Male-Tin	20-24	1.85	WM1841-ND	.18	.12	.09	43031-0007
			WM1841CT-ND*	—	.12	.09	43031-0001
			WM1841TR-ND†	504.00/12,000			43031-0001
Male-Tin	26-30	1.27	WM1842-ND	.18	.12	.09	43031-0010
Male-30µ" Gold	20-24	1.85	WM1843-ND	.29	.19	.15	43031-0009
Male-30µ" Gold	26-30	1.27	WM1844-ND	.29	.19	.15	43031-0012
Female-15µ" Gold	20-24	1.27	WM1125CT-ND*	.12	.10	.08	43030-0002
			WM1125TR-ND†	552.00/12,000			
Male-15µ" Gold	20-24	1.85	WM1127CT-ND*	.13	.11	.09	43031-0002
			WM1127TR-ND†	600.00/12,000			
Universal Crimp Tool (Molex)			WM9999-ND	50.75/1			63811-1000
Crimp Tool			WM9935-ND	214.65/1			63811-2800
Extraction Tool			WM9937-ND	19.08/1			11-03-0043
Manual Wire Stripper (Molex)			WM9969-ND	95.16/1			63817-0000

* Cut Tape † Tape and Reel

Mezzanine IEEE 1386 Connectors

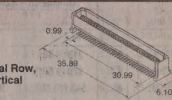
Dim. in mm

Fig. 1



Receptacle, Dual Row, SMT, Vertical Stacking

Fig. 2



Plug, Dual Row, SMT, Vertical Stacking

Electrical: Voltage: 250V **Current:** 0.5A **Contact Resistance:** 30mΩ maximum **Dielectric Withstanding Voltage:** 250V **Insulation Resistance:** 1,000 MΩ minimum
Mechanical: Contact Retention to Housing: 0.4kgf minimum **Mating Force:** 60g maximum per contact **Unmating Force:** 35g minimum per contact **Durability:** 100 cycles
Physical: Housing: Glass-filled LCP, UL 94V-O **Contact:** Phosphor bronze **Plating:** 0.76µm (30µ") Gold min. **Temperature:** -15°C ~ 85°C
Feature: Mated height on these parts are only 10 millimeters.

Fig.	Circuits	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
1	64	WM17201-ND	7.34	6.48	4.32	71439-0164
2	64	WM17200-ND	8.01	7.07	4.72	71436-2164

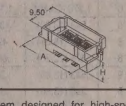
Mezzanine Connectors
Plateau HS Mezz™

RoHS COMPLIANT

Fig. 1

Receptacle

Fig. 2



Plug

Features: Unique Gold-plated-plastic integrated shielding system designed for high-speed differential signaling greater than 10 Gbps • Contacts on 1.20mm (.047") pitch arranged in isolated differential pairs on 3.50mm (.138") pitch with SMT leads for controlled impedance • Reflow Capable (SMT only)
Physical: Housing: LCP, Liquid Crystal Polymer, UL 94V-O **Color:** Natural **Contact:** Brass (CuZn) **Plating Contact:** Gold (Au) **Temperature Range:** -20°C ~ 85°C
Electrical: Voltage: 30V maximum **Current:** 1.5A maximum **Withstanding Voltage:** 500V/1min. **Contact Resistance:** 25mΩ maximum **Insulation Resistance:** 1,000 MΩ minimum

Fig.	No. of Circuits	No. of Differential Pairs	Dimension (mm) A	H	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
1	12	6	22.23	7.25	WM17202CT-ND*	15.68	13.84	9.23	75005-0304
					WM17202TR-ND†		1683.82/275		75005-0304
	12	6	22.30	9.25	WM17203CT-ND*	21.40	18.89	12.59	75005-0306
					WM17203TR-ND†		1805.32/215		75005-0306
	24	12	32.76	7.25	WM17204CT-ND*	14.38	12.69	8.46	75005-0004
					WM17204TR-ND†		1544.67/275		75005-0004
	24	12	32.83	9.25	WM17205CT-ND*	15.89	14.03	9.35	75005-0006
					WM17205TR-ND†		1334.72/215		75005-0006
	48	24	53.82	7.25	WM17206CT-ND*	27.26	24.05	16.04	75005-0104
					WM17206TR-ND†		2927.65/275		75005-0104
	72	36	74.88	7.25	WM17207CT-ND*	38.60	34.06	22.71	75005-0204
					WM17207TR-ND†		4145.90/275		75005-0204
2	12	6	19.93	8.25	WM17208-ND	20.05	17.69	11.80	75003-0305
	12	6	19.93	11.25	WM17209-ND	20.50	18.09	12.06	75003-0308
	12	6	19.93	13.25	WM17210-ND	20.95	18.49	12.33	75003-0310
	24	12	30.46	8.25	WM17211-ND	17.85	15.75	10.50	75003-0005
	24	12	30.46	11.25	WM17212-ND	21.26	18.77	12.51	75003-0008
	24	12	30.46	13.25	WM17213-ND	22.96	20.26	13.51	75003-0010
	48	24	51.52	8.25	WM17214-ND	33.87	29.89	19.93	75003-0105
	48	24	51.52	13.25	WM17215-ND	43.96	38.79	25.86	75003-0110
	72	36	72.58	8.25	WM17216-ND	48.19	42.52	28.35	75003-0205
	72	36	72.58	13.25	WM17217-ND	62.60	55.24	36.83	75003-0210

* Cut Tape † Tape and Reel

molex Waldom ELECTRONICS

Mini-Fit Jr.™ Connectors

Positive Locking Hi-Density Power Connector

Current Carrying Capabilities: The Mini-Fit, Jr. can handle standard equipment I/O currents despite its small size. For example, the 2 circuit PCB connector can handle up to 9 amps at 250 volts.
Features: • UL recognized, CSA certified, and TUV licensed • Up to 9 amperes/circuit • 250 volt rating

Specifications: • **Material:** Terminal: Brass; Plating: Tin; Housing: UL 94V-2, UL 94V-0 nylon 6/6 • **Voltage Current:** 250V (Vertical Header with Pegs: 600V) • **Contact Resistance:** 10mΩ maximum • **Insulation Resistance:** 1,000MΩ minimum • **Dielectric Strength:** 1,500VAC

Fig. 1 – Dual Row Receptacle (Female Contacts Sold Separately)

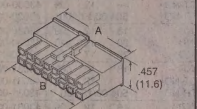


Fig. 2 – Dual Row Plug - Panel Mount or Free Hanging (Male Contacts Sold Separately)

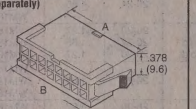


Fig. 3 – Single Row Receptacle (Female Contacts Sold Separately)

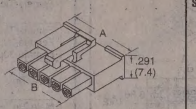


Fig. 4 – Single Row Plug - Panel Mount or Free Hanging (Male Contacts Sold Separately)

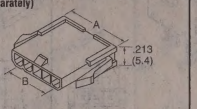


Fig. 5 – Vertical Header Assembly

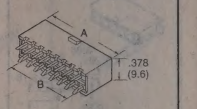


Fig. 6 – Right Angle Dual Row

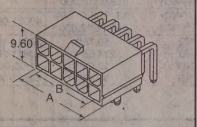


Fig. 7 – Right Angle Header

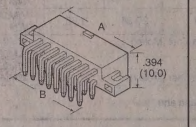


Fig. 8 – Vertical Header with Pegs

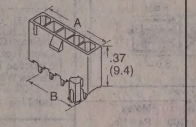


Fig. 9 – Right Angle Header with Pegs

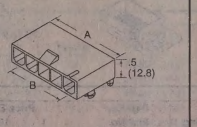


Fig. 10 – Strain Relief use with Fig. 1

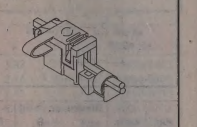


Fig.	Circuits	Amps	Dimension – Inch (mm) A	B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
			UL94V-2						
1	2	9	.213 (5.40)	—	WM3700-ND	.46	.41	.28	39-01-2020
	4	8	.378 (9.60)	.165 (4.20)	WM3701-ND	.51	.46	.31	39-01-2040
	6	8	.543 (13.80)	.331 (8.40)	WM3702-ND	.61	.55	.37	39-01-2060
	8	7	.709 (18.00)	.496 (12.60)	WM3703-ND	.68	.60	.40	39-01-2080
	10	7	.874 (22.20)	.661 (16.80)	WM3704-ND	.79	.70	.47	39-01-2100
	12	6	1.039 (26.40)	.827 (21.00)	WM3705-ND	.88	.78	.52	39-01-2120
	14	6	1.205 (30.60)	.992 (25.20)	WM3706-ND	1.05	.93	.62	39-01-2140
	16	6	1.370 (34.80)	1.158 (29.40)	WM3707-ND	1.06	.94	.63	39-01-2160
	18	6	1.535 (39.00)	1.323 (33.60)	WM3708-ND	1.22	1.08	.72	39-01-2180
	20	6	1.701 (43.20)	1.488 (37.80)	WM3709-ND	1.32	1.10	.78	39-01-2200
	22	6	1.866 (47.40)	1.654 (42.00)	WM3710-ND	2.18	1.93	1.29	39-01-2220
	24	6	2.031 (51.60)	1.819 (46.20)	WM3711-ND	1.45	1.29	.86	39-01-2240
2	2	9	.213 (5.40)	—	WM3600-ND	.55	.49	.33	39-01-2021
	4	8	.378 (9.60)	.165 (4.20)	WM3601-ND	.60	.53	.36	39-01-2041
	6	8	.543 (13.80)	.331 (8.40)	WM3602-ND	.64	.56	.38	39-01-2061
	8	7	.709 (18.00)	.496 (12.60)	WM3603-ND	.68	.60	.40	39-01-2081
	10	7	.874 (22.20)	.661 (16.80)	WM3604-ND	.79	.70	.47	39-01-2101
	12	6	1.039 (26.40)	.827 (21.00)	WM3605-ND	.81	.72	.48	39-01-2121
	14	6	1.205 (30.60)	.992 (25.20)	WM3606-ND	1.08	.96	.64	39-01-2141
	16	6	1.370 (34.80)	1.158 (29.40)	WM3607-ND	1.40	1.24	.83	39-01-2161
3	3	9	.543 (13.80)	.331 (8.40)	WM18434-ND*§	.54	.48	.32	39-01-4030
	4	8	.709 (18.01)	.496 (12.60)	WM18435-ND§	.63	.56	.37	39-01-4040
	5	8	.874 (22.20)	.661 (16.80)	WM18436-ND§	.67	.60	.40	39-01-4050
4	3	9	.543 (13.80)	.331 (8.40)	WM18437-ND*†	.59	.52	.35	39-01-4032
	3	9	.543 (13.80)	.331 (8.40)	WM18439-ND*§	.58	.52	.35	39-01-4036
	4	8	.709 (18.01)	.496 (12.60)	WM18440-ND§	.62	.55	.37	39-01-4046
	5	8	.874 (22.20)	.661 (16.80)	WM18438-ND†	.65	.58	.39	39-01-4052
	5	8	.874 (22.20)	.661 (16.80)	WM18441-ND§	.65	.58	.39	39-01-4056
			UL94V-0 — RoHS Compliant						
1	2	9	.213 (5.40)	—	WM23700-ND	.65	.58	.39	39-01-2025
	4	8	.378 (9.60)	.165 (4.20)	WM23701-ND	.71	.63	.42	39-01-2045
	6	8	.543 (13.80)	.331 (8.40)	WM23702-ND	.89	.79	.53	39-01-2065
	8	7	.709 (18.00)	.496 (12.60)	WM23703-ND	.96	.85	.57	39-01-2085
	10	7	.874 (22.20)	.661 (16.80)	WM23704-ND	1.06	.94	.63	39-01-2105
	12	6	1.039 (26.40)	.827 (21.00)	WM23705-ND	1.22	1.08	.72	39-01-2125
	14	6	1.205 (30.60)	.992 (25.20)	WM23706-ND	1.31	1.16	.77	39-01-2145
	16	6	1.370 (34.80)	1.158 (29.40)	WM23707-ND	1.64	1.45	.97	39-01-2165
	18	6	1.535 (39.00)	1.323 (33.60)	WM23708-ND	1.85	1.63	1.09	39-01-2185
	20	6	1.701 (43.20)	1.488 (37.80)	WM23709-ND	1.99	1.76	1.17	39-01-2205
	22	6	1.866 (47.40)	1.654 (42.00)	WM23710-ND	2.43	2.15	1.43	39-01-2225
	24	6	2.031 (51.60)	1.819 (46.20)	WM23711-ND	2.74	2.43	1.62	39-01-2245
2	2	9	.213 (5.40)	—	WM23600-ND	.74	.66	.44	39-01-2026
	4	8	.378 (9.60)	.165 (4.20)	WM23601-ND	.85	.76	.51	39-01-2046
	6	8	.543 (13.80)	.331 (8.40)	WM23602-ND	1.01	.89	.60	39-01-2066
	8	7	.709 (18.00)	.496 (12.60)	WM23603-ND	1.06	.94	.63	39-01-2086
	10	7	.874 (22.20)	.661 (16.80)	WM23604-ND	1.13	1.00	.67	39-01-2106
	12	6	1.039 (26.40)	.827 (21.00)	WM23605-ND	1.18	1.04	.70	39-01-2126
	14	6	1.205 (30.60)	.992 (25.20)	WM23606-ND	1.40	1.24	.83	39-01-2146
	16	6	1.370 (34.80)	1.158 (29.40)	WM23607-ND	1.71	1.51	1.01	39-01-2166
3	3	9	.543 (13.80)	.331 (8.40)	WM23608-ND*§	.78	.69	.46	39-01-4031
	4	8	.709 (18.01)	.496 (12.60)	WM23609-ND§	.87	.77	.51	39-01-4041
	5	8	.874 (22.20)	.661 (16.80)	WM23610-ND§	.93	.82	.55	39-01-4051
4	3	9	.543 (13.80)	.331 (8.40)	WM23611-ND*†	.82	.73	.49	39-01-4033
	4	8	.709 (18.01)	.496 (12.60)	WM23612-ND§	.90	.79	.53	39-01-4047
	5	8	.874 (22.20)	.661 (16.80)	WM23613-ND†	.96	.85	.57	39-01-4053
			Tin Plated, UL94V-2						
5	2	9	.210 (5.40)	—	WM3800-ND	.93	.82	.55	39-28-1023
	4	8	.380 (9.60)	.170 (4.20)	WM3801-ND	1.17	1.04	.70	39-28-1043
	6	8	.540 (13.80)	.330 (8.40)	WM3802-ND	1.53	1.35	.91	39-28-1063
	8	7	.710 (18.00)	.500 (12.60)	WM3803-ND	1.74	1.54	1.03	39-28-1083
	10	7	.870 (22.20)	.660 (16.80)	WM3804-ND	2.24	1.98	1.32	39-28-1103
	12	6	1.040 (26.40)	.825 (20.96)	WM3805-ND	2.17	1.92	1.28	39-28-1123
	14	6	1.200 (31.60)	.990 (25.20)	WM3806-ND	2.88	2.55	1.70	39-28-1143
	16	6	1.370 (34.80)	1.160 (29.40)	WM3807-ND	3.19	2.82	1.88	39-28-1163
	18	6	1.540 (39.00)	1.320 (33.60)	WM3808-ND	4.02	3.55	2.37	39-28-1183
	20	6	1.700 (43.20)	1.490 (37.80)	WM3809-ND	4.40	3.89	2.59	39-28-1203
	22	6	1.870 (47.40)	1.650 (42.00)	WM3810-ND	4.78	4.23	2.82	39-28-1223
	24	6	2.030 (51.60)	1.820 (46.20)	WM3811-ND	4.73	4.18	2.79	39-28-1243
6	2	9	.213 (5.40)	—	WM1351-ND	.91	.81	.54	39-30-1020
	4	8	.378 (9.60)	.165 (4.20)	WM1352-ND	1.33	1.18	.79	39-30-1040
	6	8	.543 (13.80)	.331 (8.40)	WM1353-ND	1.63	1.44	.96	39-30-1060
	8	7	.709 (18.00)	.496 (12.60)	WM1354-ND	1.96	1.74	1.16	39-30-1080
	10	7	.874 (22.20)	.661 (16.80)	WM1355-ND	2.33	2.06	1.38	39-30-1100
	12	6	1.039 (26.40)	.827 (21.00)	WM1356-ND	2.91	2.57	1.72	39-30-1120
	14	6	1.205 (30.60)	.992 (25.20)	WM1357-ND	3.20	2.83	1.89	39-30-1140
	16	6	1.370 (34.80)	1.158 (29.40)	WM1358-ND	3.71	3.27	2.18	39-30-1160
	18	6	1.535 (39.00)	1.323 (33.60)	WM1359-ND	3.99	3.53	2.35	39-30-1180
	20	6	1.701 (43.20)	1.488 (37.80)	WM1360-ND	4.59	4.05	2.70	39-30-1200
	22	6	1.866 (47.40)	1.654 (42.00)	WM1361-ND	5.16	4.56	3.04	39-30-1220
	24	6	2.031 (51.60)	1.819 (46.20)	WM1362-ND	5.76	5.09	3.39	39-30-1240
7	2	9	.606 (15.40)	—	WM3900-ND	1.05	.93	.63	39-29-1028
	4	8	.772 (19.60)	.165 (4.20)	WM3901-ND	1.34	1.19	.79	39-29-1048
	6	8	.937 (23.80)	.331 (23.80)	WM3902-ND	1.64	1.45	.97	39-29-1068
	8	7	1.102 (28.00)	.496 (12.60)	WM3903-ND	1.98	1.75	1.17	39-29-1088
	10	7	1.268 (32.20)	.661 (16.80)	WM3904-ND	2.35	2.08	1.39	39-29-1108
	12	6	1.433 (36.40)	.827 (21.00)	WM3905-ND	2.76	2.44	1.63	39-29-1128
	14	6	1.598 (40.60)	.992 (25.20)	WM3906-ND	3.24	2.86	1.91	39-29-1148
	16	6	1.764 (44.80)	1.158 (29.40)	WM3907-ND	3.74	3.30	2.20	39-29-1168
	18	6	1.929 (49.00)	1.323 (33.60)	WM3908-ND	4.33	3.83	2.55	39-29-1188
	20	6	2.094 (53.20)	1.488 (37.80)	WM3909-ND	4.96	4.38	2.92	39-29-1208
	22	6	2.260 (57.40)	1.654 (42.00)	WM3910-ND	5.65	4.99	3.33	39-29-1228
	24	6	2.425 (61.60)	1.819 (46.20)	WM3911-ND	6.24	5.51	3.68	39-29-1248
8	3	9	.543 (13.80)	.331 (8.40)	WM18442-ND‡	1.17	1.04	.70	39-30-1039
	3	9	.543 (13.80)	.331 (8.40)	WM18443-ND	1.17	1.04	.70	39-30-2035
	4	8	.709 (18.01)	.496 (12.60)	WM18444-ND	1.86	1.64	1.10	39-30-2045
	5	8	.874 (22.20)	.661 (16.80)	WM18445-ND	2.05	1.81	1.21	39-30-2056
9	3	9	.543 (13.80)	.331 (8.40)	WM18446-ND	1.40	1.24	.83	39-30-3035
	4	8	.709 (18.01)	.496 (12.60)	WM18447-ND	1.64	1.45	.97	39-30-3045
	5	8	.874 (22.20)	.661 (16.80)	WM18448-ND	1.89	1.67	1.11	39-30-3055

‡ Without drain holes. † Panel Mount § Free-Hanging
* 3-circuit receptacle designed for first-mate/last-break applications

(Continued)

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Mini-Fit Jr.™ Connectors *(Cont.)*

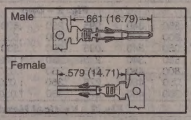
Positive Locking Hi-Density Power Connector

Fig.	Circuits	Amps	Dimension – Inch (mm) A	B	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
			Tin Plated, UL94V-0 — RoHS Compliant						
5	2	9	.210 (5.40)	—	WM23800-ND	.89	.79	.53	39-28-8020
	4	8	.380 (9.60)	.170 (4.20)	WM23801-ND	1.30	1.16	.77	39-28-8040
	6	8	.540 (13.80)	.330 (8.40)	WM23802-ND	1.79	1.58	1.06	39-28-8060
	8	7	.710 (18.00)	.500 (12.60)	WM23803-ND	2.17	1.92	1.28	39-28-8080
	10	7	.870 (22.20)	.660 (16.80)	WM23804-ND	2.56	2.26	1.51	39-28-8100
	12	6	1.040 (26.40)	.825 (20.96)	WM23805-ND	2.84	2.51	1.67	39-28-8120
	14	6	1.200 (31.60)	.990 (25.20)	WM23806-ND	3.26	2.88	1.93	39-28-8140
	16	6	1.370 (34.80)	1.160 (29.40)	WM23807-ND	3.70	3.27	2.18	39-28-8160
	18	6	1.540 (39.00)	1.320 (33.60)	WM23808-ND	4.16	3.67	2.45	39-28-8180
	20	6	1.700 (43.20)	1.490 (37.80)	WM23809-ND	4.62	4.08	2.72	39-28-8200
	22	6	1.870 (47.40)	1.650 (42.00)	WM23810-ND	5.08	4.49	2.99	39-28-8220
	24	6	2.030 (51.60)	1.820 (46.20)	WM23811-ND	5.55	4.90	3.27	39-28-8240
6	2	9	.213 (5.40)	—	WM21351-ND	1.11	.99	.66	39-30-0020
	4	8	.378 (9.60)	.165 (4.20)	WM21352-ND	1.45	1.28	.86	39-30-0040
	6	8	.543 (13.80)	.331 (8.40)	WM21353-ND	1.81	1.60	1.07	39-30-0060
	8	7	.709 (18.00)	.496 (12.60)	WM21354-ND	2.21	1.95	1.30	39-30-0080
	10	7	.874 (22.20)	.661 (16.80)	WM21355-ND	2.65	2.35	1.57	39-30-0100
	12	6	1.039 (26.40)	.827 (21.00)	WM21356-ND	3.14	2.77	1.85	39-30-0120
	14	6	1.205 (30.60)	.992 (25.20)	WM21357-ND	3.70	3.27	2.18	39-30-0140
	16	6	1.370 (34.80)	1.158 (29.40)	WM21358-ND	4.29	3.79	2.53	39-30-0160
	18	6	1.535 (39.00)	1.323 (33.60)	WM21359-ND	4.97	4.39	2.93	39-30-0180
	20	6	1.701 (43.20)	1.488 (37.80)	WM21360-ND	5.72	5.05	3.37	39-30-0200
	22	6	1.866 (47.40)	1.654 (42.00)	WM21361-ND	6.46	5.71	3.81	39-30-0220
	24	6	2.031 (51.60)	1.819 (46.20)	WM21362-ND	6.79	6.00	4.00	39-30-0240
			30µ" Gold Plated, UL94V-2						
5	2	9	.210 (5.40)	—	WM3820-ND	2.11	1.87	1.25	39-29-0023
	4	8	.380 (9.60)	.170 (4.20)	WM3821-ND	3.29	2.90	1.94	39-29-0043
	6	8	.540 (13.80)	.330 (8.40)	WM3822-ND	4.49	3.96	2.64	39-29-0063
	8	7	.710 (18.00)	.500 (12.60)	WM3823-ND	5.66	5.00	3.33	39-29-0083
	10	7	.870 (22.20)	.660 (16.80)	WM3824-ND	6.77	5.97	3.98	39-29-0103
	12	6	1.040 (26.40)	.830 (21.00)	WM3825-ND	7.89	6.96	4.64	39-29-0123
	14	6	1.200 (30.60)	.990 (25.20)	WM3826-ND	9.20	8.12	5.41	39-29-0143
	16	6	1.370 (34.80)	1.160 (29.40)	WM3827-ND	10.38	9.16	6.11	39-29-0163
	18	6	1.540 (39.00)	1.320 (33.60)	WM3828-ND	11.61	10.25	6.83	39-29-0183
	20	6	1.700 (43.20)	1.490 (37.80)	WM3829-ND	12.84	11.33	7.56	39-29-0203
	22	6	1.870 (47.40)	1.650 (42.00)	WM3830-ND	14.07	12.42	8.28	39-29-0223
	24	6	2.030 (51.60)	1.820 (46.20)	WM3831-ND	15.30	13.50	9.00	39-29-0243
6	2	9	.213 (5.40)	—	WM1363-ND	1.97	1.74	1.16	39-30-1021
	4	8	.378 (9.60)	.165 (4.20)	WM1364-ND	2.51	2.22	1.48	39-30-1041
	6	8	.543 (13.80)	.331 (8.40)	WM1365-ND	3.10	2.74	1.83	39-30-1061
	8	7	.709 (18.00)	.496 (12.60)	WM1366-ND	3.75	3.31	2.21	39-30-1081
	10	7	.874 (22.20)	.661 (16.80)	WM1367-ND	4.46	3.94	2.63	39-30-1101
	12	6	1.039 (26.40)	.827 (21.00)	WM1368-ND	5.23	4.62	3.08	39-30-1121
	14	6	1.205 (30.60)	.992 (25.20)	WM1369-ND	6.15	5.43	3.62	39-30-1141
	16	6	1.370 (34.80)	1.158 (29.40)	WM1370-ND	7.10	6.27	4.18	39-30-1161
	18	6	1.535 (39.00)	1.323 (33.60)	WM1371-ND	8.21	7.25	4.84	39-30-1181
	20	6	1.701 (43.20)	1.488 (37.80)	WM1372-ND	9.44	8.33	5.56	39-30-1201
	22	6	1.866 (47.40)	1.654 (42.00)	WM1373-ND	10.64	9.40	6.27	39-30-1221
	24	6	2.031 (51.60)	1.819 (46.20)	WM1374-ND	11.90	10.51	7.01	39-30-1241
7	2	9	.606 (15.40)	—	WM3920-ND	2.15	1.90	1.27	39-29-5023
	4	8	.772 (19.60)	.165 (4.20)	WM3921-ND	2.62	2.31	1.54	39-29-5043
	6	8	.937 (23.80)	.331 (8.40)	WM3922-ND	3.62	3.20	2.13	39-29-5063
	8	7	1.102 (28.00)	.496 (12.60)	WM3923-ND	4.29	3.79	2.53	39-29-5083
	10	7	1.268 (32.20)	.661 (16.80)	WM3924-ND	5.05	4.46	2.97	39-29-5103
	12	6	1.433 (36.40)	.827 (21.00)	WM3925-ND	5.86	5.17	3.45	39-29-5123
	14	6	1.598 (40.60)	.992 (25.20)	WM3926-ND	6.81	6.01	4.01	39-29-5143
	16	6	1.764 (44.80)	1.158 (29.40)	WM3927-ND	7.81	6.90	4.60	39-29-5163
	18	6	1.929 (49.00)	1.323 (33.60)	WM3928-ND	8.97	7.92	5.28	39-29-5183
	20	6	2.094 (53.20)	1.488 (37.80)	WM3929-ND	10.24	9.04	6.03	39-29-5203
	22	6	2.260 (57.40)	1.654 (42.00)	WM3930-ND	11.50	10.15	6.77	39-29-5223
	24	6	2.425 (61.60)	1.819 (46.20)	WM3931-ND	12.81	11.31	7.54	39-29-5243
			30µ" Gold, UL94V-2 — RoHS Compliant						
8	3	9	.543 (13.80)	.331 (8.40)	WM23932-ND	2.38	2.11	1.41	39-30-2037
	4	8	.709 (18.0)	.496 (12.60)	WM23933-ND	3.02	2.67	1.78	39-30-2047
	5	8	.874 (22.20)	.661 (16.80)	WM23934-ND	3.87	3.42	2.28	39-30-2058
9	3	9	.54 (13.80)	.331 (8.40)	WM23935-ND	2.45	2.16	1.44	39-30-3037
	4	8	.709 (18.0)	.496 (12.60)	WM23936-ND	2.91	2.57	1.72	39-30-3047
	5	8	.874 (22.20)	.661 (16.80)	WM23937-ND	3.37	2.98	1.99	39-30-3057
			30µ" Gold Plated, UL94V-0 — RoHS Compliant						
5	2	9	.210 (5.40)	—	WM23820-ND	1.83	1.62	1.08	39-29-6028
	4	8	.380 (9.60)	.170 (4.20)	WM23821-ND	3.08	2.72	1.82	39-29-6048
	6	8	.540 (13.80)	.330 (8.40)	WM23822-ND	4.39	3.88	2.59	39-29-6068
	8	7	.710 (18.00)	.500 (12.60)	WM23823-ND	5.41	4.78	3.19	39-29-6088
	10	7	.870 (22.20)	.660 (16.80)	WM23824-ND	6.64	5.86	3.91	39-29-6108
	12	6	1.040 (26.40)	.830 (21.00)	WM23825-ND	7.80	6.89	4.59	39-29-6128
	14	6	1.200 (30.60)	.990 (25.20)	WM23826-ND	9.11	8.04	5.36	39-29-6148
	16	6	1.370 (34.80)	1.160 (29.40)	WM23827-ND	10.20	9.00	6.00	39-29-6168
	18	6	1.540 (39.00)	1.320 (33.60)	WM23828-ND	10.80	9.54	6.36	39-29-6188
	20	6	1.700 (43.20)	1.490 (37.80)	WM23829-ND	12.74	11.25	7.50	39-29-6208
	22	6	1.870 (47.40)	1.650 (42.00)	WM23830-ND	14.02	12.38	8.25	39-29-6228
	24	6	2.030 (51.60)	1.820 (46.20)	WM23831-ND	15.29	13.50	9.00	39-29-6248
6	2	9	.213 (5.40)	—	WM21363-ND	2.46	2.17	1.45	39-30-1022
	4	8	.378 (9.60)	.165 (4.20)	WM21364-ND	3.49	2.82	1.88	39-30-1042
	6	8	.543 (13.80)	.331 (8.40)	WM21365-ND	3.99	3.52	2.35	39-30-1062
	8	7	.709 (18.00)	.496 (12.60)	WM21366-ND	4.87	4.30	2.87	39-30-1082
	10	7	.874 (22.20)	.661 (16.80)	WM21367-ND	5.84	5.16	3.44	39-30-1102
	12	6	1.039 (26.40)	.827 (21.00)	WM21368-ND	6.89	6.08	4.06	39-30-1122
	14	6	1.205 (30.60)	.992 (25.20)	WM21369-ND	8.13	7.18	4.79	39-30-1142
	16	6	1.370 (34.80)	1.158 (29.40)	WM21370-ND	9.43	8.32	5.55	39-30-1162
	18	6	1.535 (39.00)	1.323 (33.60)	WM21371-ND	10.75	9.49	6.33	39-30-1182
	20	6	1.701 (43.20)	1.488 (37.80)	WM21372-ND	12.58	11.10	7.41	39-30-1202
	22	6	1.866 (47.40)	1.654 (42.00)	WM21373-ND	14.21	12.54	8.36	39-30-1222
	24	6	2.031 (51.60)	1.819 (46.20)	WM21374-ND	15.93	14.06	9.38	39-30-1242
			Strain Relief (use with Fig. 1)						
10	6	—	—	—	WM13702-ND	2.78	—	—	15-04-0296
	8	—	—	—	WM13703-ND	2.36	—	—	15-04-0343

‡ Without drain holes. † Panel Mount. § Free-Hanging

* 3-circuit receptacle designed for first-mate/last-break applications

Mini-Fit Jr.™ Terminals



Contact Material/Plating

A: Tin-plated copper alloy over nickel

B: Gold-plated phosphor bronze over nickel

C: Gold-plated brass over nickel

D: Tin-plated brass over copper

E: Tin-plated phosphor bronze.

Description	Wire Size	Material/ Plating	Insulation Dia. Inch (mm)	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Male	16	A	.071 - .122	WM1911-ND	.37	.31	.22	44478-3112
Female			(1.80 - 3.10)	WM1913-ND	.37	.31	.22	44476-3112
Male	16	B	.071 - .122	WM18520-ND	1.00	.83	.59	39-00-0224
Female			(1.80 - 3.10)	WM18517-ND	1.00	.83	.59	39-00-0186
Male	16	C	.071 - .122	WM5963-ND	.74	.62	.44	39-00-0096
Female			(1.80 - 3.10)	WM5961-ND	.68	.57	.41	39-00-0168
Male	18-24	D	.051 - .122	WM2500-ND	—	.08	.06	39-00-0041
			(1.30 - 3.10)	WM2500CT-ND◊	—	—	.06	39-00-0040
				WM2500TR-ND	124.00/4,000			39-00-0040
Female	18-24	D	.051 - .122	WM2501-ND	—	.10	.07	39-00-0039
			(1.30 - 3.10)	WM2501CT-ND◊	—	—	.07	39-00-0038
				WM2501TR-ND	160.00/4,000			39-00-0038
Male	18-24	B	.051 - .122	WM18521-ND	1.00	.83	.59	39-00-0220
			(1.30 - 3.10)					
Female	18-24	B	.051 - .122	WM18518-ND	.87	.72	.52	39-00-0182
			(1.30 - 3.10)	WM18518CT-ND◊	—	—	.52	39-00-0181
				WM18518TR-ND◊	1372.00/4,000			39-00-0181

Description	Wire Size	Material/ Plating	Insulation Dia. Inch (mm)	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Male	18-20	A	.051 - .122	WM1912-ND	.37	.31	.22	44478-1112
Female			(1.30 - 3.10)	WM1914-ND	.37	.31	.22	44476-1112
Female	18-24	B	.060 - .120 (1.52 - 3.05)	WM18523-ND	1.08	.89	.64	44485-1212
Male	18-24	D	.051 - .122	WM3940-ND*	.32	.26	.19	30490-2012
		C	(1.30 - 3.10)	WM6049-ND	.57	.56	.40	39-00-0054
Female	18-24	C	.051 - .122	WM5959-ND	.68	.56	.40	39-00-0164
Male		B	(1.30 - 3.10)	WM3941-ND*	1.04	.86	.61	30490-1012
Female	18-24	C	.051 - .122	WM1137CT-ND◊	—	.44	.36	39-00-0055
			(1.30 - 3.10)	WM1137TR-ND◊	776.00/4,000			
Female	18-24	E	.051 - .122	WM1138CT-ND◊	—	.12	.10	39-00-0059
			(1.30 - 3.10)	WM1138TR-ND◊	208.00/4,000			
Female	18-24	B	.051 - .122	WM1139CT-ND◊	—	.39	.31	39-00-0153
			(1.30 - 3.10)	WM1139TR-ND◊	684.00/4,000			
Male	22-28	D	.035 - .071	WM2502-ND	—	.08	.06	39-00-0049
Female			(.90 - 1.80)	WM2503-ND	—	.08	.06	39-00-0047
Male	22-28	B	.035 - .071	WM18522-ND	.96	.80	.57	39-00-0222
Female			(.90 - 1.80)	WM18519-ND	.87	.72	.52	39-00-0184
Male	22-28	C	.035 - .071	WM5962-ND	.74	.62	.44	39-00-0088
Female			(.90 - 1.80)	WM5960-ND	.68	.56	.40	39-00-0166
Universal Crimp Tool (Molex)				WM9999-ND	50.75	—	—	63811-1000
Mini-Fit Jr. Crimp Tool, 16 AWG				WM9964-ND	214.65	—	—	11-01-0199
Mini-Fit Jr. Crimp Tool, 18-24 AWG				WM9912-ND	214.65	—	—	11-01-0197
Mini-Fit Jr. Crimp Tool, 22-28 AWG				WM9913-ND	214.65	—	—	11-01-0198
Extraction Tool				WM9918-ND	20.23	—	—	11-03-0044

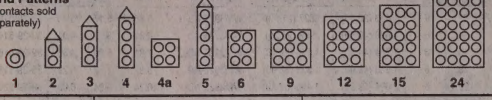
* Grounding pin ◊ CT = Cut Tape; TR = Tape and Reel

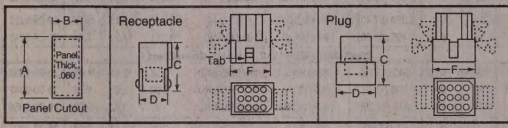
Power Connectors

.062" Diameter Connectors

Features: • UL File Number E-29179; CSA File Number LR-19980 • Up to 5 amperes per circuit • 250 Voltage rating • Friction lock • Standard color is natural *(Ratings are per circuit and based on fully loaded housings.)*

Grid Patterns
(Contacts sold separately)

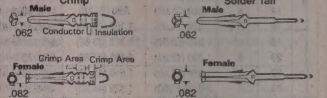




Grid Space	Grid No.	Type	Maximum Amps	Maximum V.	Dimensions (Inch) A	B	C	D	F	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
Connector Housings — with Detent Only, Free Hanging														
.145"	1	Plug	5	250	—	—	.750	—	—	WM1201-ND	.29	2.36	16.88	03-06-2011
		Recept.	5	250	—	—	.780	—	.183	WM1200-ND	.30	2.51	17.94	03-06-1011
	2	Plug	5	250	.609	.318	.780	.300	.440	WM1220-ND	.31	2.55	18.23	03-06-2023
		Recept.	5	250	.505	.265	.810	.192	.340	WM1230-ND	.39	3.24	23.11	03-06-1023
	3	Plug	5	250	.754	.318	.750	.300	.590	WM1221-ND	.46	3.77	26.93	03-06-2032
		Recept.	5	250	.650	.265	.780	.192	.484	WM1231-ND	.48	3.92	27.99	03-06-1032
	4	Plug	5	250	.865	.312	.750	.295	.730	WM1222-ND	.60	4.94	35.27	03-06-2042
		Recept.	5	250	.785	.260	.780	.192	.630	WM1232-ND	.60	4.94	35.27	03-06-1042
	4a	Plug	5	250	.615	.465	.750	.442	.442	WM1223-ND	.60	4.94	35.27	03-06-2044
		Recept.	5	250	.506	.400	.750	.339	.339	WM1233-ND	.60	4.94	35.27	03-06-1044
	5	Plug	5	250	1.044	.318	.750	.310	.890	WM1224-ND	.60	4.97	35.51	03-06-2055
		Recept.	5	250	.940	.265	.780	.192	.775	WM1234-ND	.74	6.06	43.28	03-06-1056
	6	Plug	5	250	.615	.607	.750	.600	.450	WM1225-ND	.75	6.17	44.10	03-06-2061
		Recept.	5	250	.552	.505	.780	.494	.344	WM1235-ND	.75	6.17	44.10	03-06-1062
	9	Plug	5	250	.752	.615	.750	.590	.590	WM1226-ND	.76	6.30	44.97	03-06-2092
		Recept.	5	250	.650	.552	.780	.494	.489	WM1236-ND	.76	6.30	44.97	03-06-1092
	12	Plug	5	250	.903	.614	.750	.590	.740	WM1227-ND	.78	6.41	45.77	03-06-2122
		Recept.	5	250	.795	.563	.780	.494	.634	WM1237-ND	.78	6.41	45.77	03-06-1122
	15	Plug	5	250	1.042	.614	.750	.590	.880	WM1228-ND	.92	7.58	54.11	03-06-2152
		Recept.	5	250	.934	.563	.780	.487	.776	WM1238-ND	.92	7.58	54.11	03-06-1152
	24	Plug	5	250	1.182	.765	.750	.740	1.040	WM1229-ND	2.17	17.88	127.70	03-06-2242
Connector Housings – with Mounting Ears and Detent, Panel Mount														
.145"	2	Plug	5	250	.609	.318	.780	.300	.440	WM1203-ND	.39	3.18	22.74	03-06-2024
		Recept.	5	250	.505	.265	.810	.192	.340	WM1202-ND	.39	3.18	22.74	03-06-1022
	3	Plug	5	250	.754	.318	.750	.300	.590	WM1205-ND	.46	3.77	26.93	03-06-2033
		Recept.	5	250	.650	.265	.780	.192	.484	WM1204-ND	.48	3.92	27.99	03-06-1038
	4	Plug	5	250	.865	.312	.750	.295	.730	WM1207-ND	.60	4.94	35.27	03-06-2041
		Recept.	5	250	.785	.260	.780	.192	.630	WM1206-ND	.62	5.09	36.33	03-06-1041
	4a	Plug	5	250	.615	.465	.750	.442	.442	WM1209-ND	.60	4.94	35.27	03-06-2043
		Recept.	5	250	.506	.400	.750	.339	.339	WM1208-ND	.60	4.94	35.27	03-06-1043
	5	Plug	5	250	1.044	.318	.750	.310	.890	WM1240-ND	.74	6.06	43.28	03-06-2054
		Recept.	5	250	.940	.265	.780	.192	.775	WM1241-ND	.74	6.06	43.28	03-06-1055
	6	Plug	5	250	.615	.607	.750	.600	.450	WM1211-ND	.75	6.17	44.10	03-06-2062
		Recept.	5	250	.552	.505	.780	.494	.344	WM1210-ND	.75	6.17	44.10	03-06-1061
	9	Plug	5	250	.752	.615	.750	.590	.590	WM1213-ND	.76	6.30	44.97	03-06-2091
		Recept.	5	250	.650	.552	.780	.494	.489	WM1212-ND	.76	6.30	44.97	03-06-1091
	12	Plug	5	250	.903	.614	.750	.590	.740	WM1215-ND	.78	6.41	45.77	03-06-2121
		Recept.	5	250	.795	.563	.780	.494	.634	WM1214-ND	.78	6.41	45.77	03-06-1121
	15	Plug	5	250	1.042	.614	.750	.590	.880	WM1217-ND	.92	7.58	54.11	03-06-2151
	24	Plug	5	250	1.182	.765	.750	.740	1.040	WM1219-ND	2.17	17.88	127.70	03-06-2241
		Recept.	5	250	1.079	.715	.750	.634	.918	WM1218-ND	2.10	17.29	123.52	03-06-1241

.062" Terminals

Features: • Use with .062" housings • .008" stock 70/30 brass **Temp. Range:** -40°C ~ 105°C **High Volt. Test:** Withstands 1500V RMS for 60 seconds **Current Rating:** Amp-erage rating 5A **Storage Temperature Range:** -40°C ~ 125°C **Plating:** 200-300µ Hot-Tin Dip tin plating



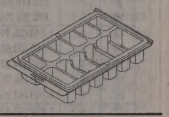
Description	Wire Size	Insulation Dia. (inch)	Digi-Key Part No.	Pricing 10	100	500	Molex Part No.
Male, Crimp Type	18-24	.060/.120	WM1000-ND	.99	7.92	32.99	02-06-2103
Female, Crimp Type	18-24	.060/.120	WM1001-ND	.85	6.80	28.35	02-06-2133
Male, Crimp Type	24-30	.040/.090	WM1002-ND	.81	6.46	26.90	02-06-2132
Female, Crimp Type	24-30	.040/.090	WM1003-ND	.81	6.46	26.90	02-06-1132
Male, PCB Solder-Tail	—	—	WM1004-ND	1.61	12.88	53.66	02-06-8103
Female, PCB Solder-Tail	—	—	WM1005-ND	1.61	12.88	53.66	02-06-7103
Male, Crimp Type	18-24	.060/.120	WM1006-ND*	5.94	47.54	198.09	02-06-6103
Male, Crimp Type	24-30	.040/.090	WM1007-ND*	5.94	47.54	198.09	02-06-6135
Female, Crimp Type	18-24	.060/.120	WM1008-ND*	5.94	47.54	198.09	02-06-5103
Female, Crimp Type	24-30	.040/.090	WM1009-ND*	5.94	47.54	198.09	02-06-5135
Male, PCB	—	—	WM1010-ND*	7.33	58.61	244.20	02-06-6122
Female, PCB	—	—	WM1011-ND*	7.33	58.61	244.20	02-06-7104
Hand Tool (Waldom)	—	—	WM9900-ND		14.55/1		W-HT-1921
Universal Crimp Tool (Molex)	—	—	WM9999-ND		50.75/1		63811-1000
Production Tool (Molex)	24-30	—	WM9915-ND		214.65/1		11-01-0195
Production Tool (Molex)	18-24	—	WM18585-ND		243.27/1		63811-3300
Extraction Tool (Molex)	—	—	WM9929-ND		19.08/1		11-03-0002

*15µ Select Gold Finish

Cable Connector Designer Kit

Contains all parts needed to assemble male and female connectors; totals 86 connectors. All have pin terminal size .062" diameter with crimping tool; pin terminal ejector and case. ***RoHS Compliant***

WM9979-ND **$71.24**



MLX .084" Power Connectors

Features: • Intermateable, intermountable and interchangeable with industry standard versions • Cross tested to assure industry compatibility • UL recognized, CSA certified • Positive locks • Fully isolated contacts • Circuit I.D. grooves to reduce assembly errors • Anti-stress positioning tabs to reduce breakage

Grid Pattern

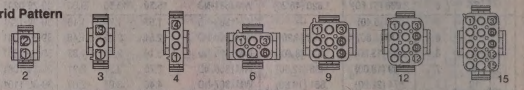


Fig. 1 - Plug

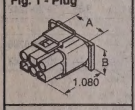


Fig. 3 - Vertical Header

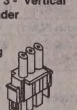
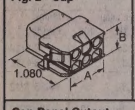
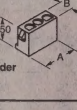
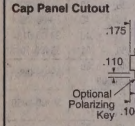


Fig. 2 - Cap



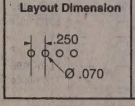


Cap Panel Cutout

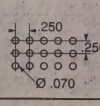


▲ - Circuit #1 location when using polarizing key option with 2, 3 and 4 circuit housing.
● - Circuit #1 location when using polarizing key option with 6, 9, 12 and 15 circuit housing.

2, 3 and 4 Position Vertical Header P.C. Board Layout Dimension



6, 9, 12 and 15 Position Header Assemblies

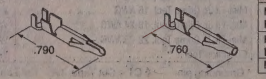


Pos.	Description	Amperes/ Circuit (Max.)*	Voltage Rating (Max.)*	Panel Cutout Dimension (Inch) A	B	C††	D	E	F	G	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
Fig. 1 – Plug																
2	Plug	13.5	600	.300	.550	—	—	—	—	—	WM1242-ND	.59	5.24	34.90	139.60	50-84-1020
3	Plug	13.5	600	.300	.800	—	—	—	—	—	WM1244-ND	.61	5.36	35.72	142.89	50-84-1030
4	Plug	13.5	600	.300	1.050	—	—	—	—	—	WM1246-ND	.64	5.67	37.79	151.16	50-84-1040
6	Plug	11.0	600	.800	.550	—	—	—	—	—	WM1248-ND	.75	6.61	44.10	176.38	50-84-1060
9	Plug	11.0	600	.800	.800	—	—	—	—	—	WM1250-ND	.86	7.74	51.60	206.38	50-84-1090
12	Plug	11.0	600	.800	1.050	—	—	—	—	—	WM1252-ND	1.45	12.82	85.44	341.74	50-84-1120
15	Plug	11.0	600	.800	1.300	—	—	—	—	—	WM1254-ND	1.52	13.38	89.20	356.80	50-84-1150
Fig. 2 – Cap																
2	Cap	13.5	600	.300	.550	.340	.095	.250	.530	.565	WM1243-ND	.67	5.92	39.46	157.83	50-84-2020
3	Cap	13.5	600	.300	.800	.340	.095	.250	.530	.815	WM1245-ND	.66	5.80	38.64	154.55	50-84-2030
4	Cap	13.5	600	.300	1.050	.340	.095	.250	.530	1.065	WM1247-ND	1.09	9.59	63.92	255.67	50-84-2040
6	Cap	11.0	600	.800	.550	.340	.275	.250	1.030	.565	WM1249-ND	1.09	9.62	64.16	256.63	50-84-2060
9	Cap	11.0	600	.800	.800	.480	.275	.250	1.030	.815	WM1251-ND	.98	8.61	57.43	229.70	50-84-2090
12	Cap	11.0	600	.800	1.050	.480	.275	.350	1.030	1.065	WM1253-ND	1.67	14.69	97.95	391.78	50-84-2120
15	Cap	11.0	600	.800	1.300	.480	.275	.350	1.030	1.315	WM1255-ND	1.77	15.64	104.25	417.00	50-84-2150
Fig. 3 – Vertical Header																
2	Male	—	—	.300	.550	—	—	—	—	—	WM1256-ND	1.03	9.12	60.79	243.16	10-84-4020
2	Female	—	—	.300	.550	—	—	—	—	—	WM1263-ND	.89	7.84	52.29	209.14	10-84-4022
3	Male	—	—	.300	.800	—	—	—	—	—	WM1257-ND	1.17	10.37	69.11	276.45	10-84-4030
4	Male	—	—	.300	1.050	—	—	—	—	—	WM1258-ND	1.39	12.25	81.67	326.69	10-84-4040
4	Female	—	—	.300	1.050	—	—	—	—	—	WM1265-ND	1.35	11.87	79.13	316.52	10-84-4042
6	Male	—	—	.800	.550	—	—	—	—	—	WM1259-ND	1.82	16.05	106.98	427.92	10-84-4060
6	Female	—	—	.800	.550	—	—	—	—	—	WM1266-ND	1.89	16.64	110.90	443.61	10-84-4062
9	Male	—	—	.800	.800	—	—	—	—	—	WM1260-ND	2.31	20.40	135.97	543.89	10-84-4090
9	Female	—	—	.800	.800	—	—	—	—	—	WM1267-ND	2.67	23.53	156.85	627.41	10-84-4092
12	Male	—	—	.800	1.050	—	—	—	—	—	WM1261-ND	2.74	24.16	161.07	644.27	10-84-4120
12	Female	—	—	.800	1.050	—	—	—	—	—	WM1268-ND	3.38	29.80	198.67	794.68	10-84-4122
15	Male	—	—	.800	1.300	—	—	—	—	—	WM1262-ND	3.39	29.90	199.36	797.44	10-84-4150
15	Female	—	—	.800	1.300	—	—	—	—	—	WM1269-ND	2.79	24.64	164.27	657.09	10-84-4152

* Ratings are per circuit, based on fully loaded housings
†† Cap housing should be installed into panel in the same direction as the panel cutout is punched

.084" Terminals

Split Pin (Male) **Socket (Female)**



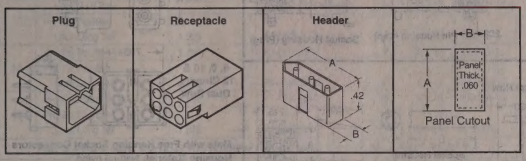
Description	Wire Size AWG Tin Plated	Insulation Dia. (inch) Min.	Max.	Digi-Key Part No.	Pricing 10	100	500	1,000	Molex Part No.
Male Crimp	14-20	.060	.130	WM1270-ND	1.07	8.59	35.78	57.24	02-08-2004
Female Crimp	14-20	.060	.130	WM1271-ND	1.09	8.75	36.44	58.30	02-08-1002
Hand Tool	14-20	—	—	WM9925-ND			311.09/1		63811-3500
Extraction Tool	14-20	—	—	WM9921-ND			59.21/1		11-01-0168
Manual Wire Stripper (Molex)				WM9969-ND			95.16/1		63817-0000

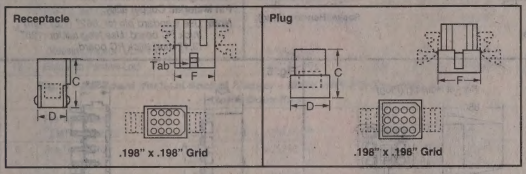
More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Power Connectors

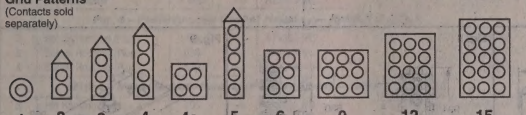
.093" Diameter Connectors

Features:
- UL File Number E-29179; CSA File Number LR-19980
- Up to 12 amperes per circuit, (ratings are per circuit and based on fully loaded housings)
- 250 Voltage rating for 03-09 series; 600 Voltage rating for 19-09 series
- Friction lock for 03-09 series; Positive lock for 19-09 series





Grid Patterns
(Contacts sold separately)



Grid Space	Grid No.	Type	Maximum Amps	Maximum V.	Dimensions (Inch) A	B	C	D	F	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
Connector Housings — with Detent Only, Free Hanging														
.198"	1	Plug	12	5000	—	—	2.250	.437	—	WM1301-ND	.46	4.10	27.32	03-09-2014
		Recept.	12	5000	—	—	1.859	.312	—	WM1300-ND	.47	4.11	27.43	03-09-1014
	1	Plug	12	250	—	—	1.000	.358	—	WM1303-ND	.25	2.22	14.81	03-09-2011
		Recept.	12	250	—	—	1.000	.234	—	WM1302-ND	.25	2.22	14.81	03-09-1011
	3	Plug	12	250	.933	.375	.970	.340	.770	WM1325-ND	.47	4.16	27.75	03-09-2032
		Recept.	12	250	.840	.312	1.015	.236	.670	WM1332-ND	.49	4.36	29.02	03-09-1032
	4	Plug	12	250	1.131	.375	1.000	.338	.971	WM1326-ND	.52	4.60	30.69	03-09-2042
		Recept.	12	250	1.038	.312	1.000	.236	.868	WM1333-ND	.53	4.66	31.09	03-09-1042
	4a	Plug	12	250	.555	.695	1.024	.538	.538	WM1327-ND	.77	6.77	45.16	03-09-2049
		Recept.	12	250	.500	.600	1.000	.434	.434	WM1334-ND	.74	6.55	43.65	03-09-1049
	5Δ	Plug	12	250	—	—	.969	.350	1.170	WM1315-ND	.83	7.37	49.11	03-09-2057
		Recept.	12	250	—	—	1.000	.240	1.070	WM1314-ND	.80	7.08	47.17	03-09-1057
	6	Plug	9	250	.750	.695	1.000	.733	.536	WM1328-ND	.69	6.11	40.76	03-09-2062
		Recept.	9	250	.718	.600	1.015	.632	.434	WM1335-ND	.69	6.11	40.76	03-09-1064
	9◊	Plug	9	250	.937	.660	.970	.730	.770	WM1329-ND	.82	7.24	48.28	03-09-2092
		Recept.	9	250	.828	.725	1.015	.625	.666	WM1336-ND	.88	7.75	51.65	03-09-1094
	12	Plug	7.5	250	1.155	.760	1.000	.737	.770	WM1330-ND	.97	8.57	57.11	03-09-2121
		Recept.	7.5	250	1.050	.655	1.015	.633	.871	WM1337-ND	.91	8.00	53.32	03-09-1126
.248"	2	Plug	12	250	.800	.375	1.000	.352	.639	WM1324-ND	.37	3.24	21.60	03-09-2022
		Recept.	12	250	.725	.312	1.030	.250	.536	WM1331-ND	.39	3.48	23.19	03-09-1022
Connector Housings — with Positive Lock, Free Hanging														
.198"	4§	Plug	9	600	—	—	1.031	.359	1.158	WM1405-ND	.76	6.73	44.89	03-09-2048
		Recept.	9	600	—	—	1.063	.265	1.032	WM1404-ND	.74	6.55	43.65	03-09-1047
.248"	2	Plug	12	600	—	—	1.031	.359	.656	WM1401-ND	.63	5.55	36.97	03-09-2028
		Recept.	12	600	—	—	1.063	.265	.531	WM1400-ND	.60	5.29	35.27	03-09-1028
Connector Housings — with Mounting Ears and Detent, Panel Mount														
.198"	3	Plug	12	250	.933	.375	.970	.340	.770	WM1307-ND	.54	4.73	31.54	03-09-2031
		Recept.	12	250	.840	.312	1.015	.236	.670	WM1338-ND	.51	4.54	30.26	03-09-1081
	4	Plug	12	250	1.131	.375	.969	.338	.971	WM1309-ND	.55	4.85	32.36	03-09-2041
		Recept.	12	250	1.038	.312	1.000	.236	.868	WM1308-ND	.53	4.66	31.09	03-09-1041
	4a	Plug	12	250	.555	.695	.969	.538	.538	WM1311-ND	.76	6.73	44.89	03-09-2040
		Recept.	12	250	.500	.600	1.000	.434	.434	WM1310-ND	.74	6.55	43.65	03-09-1040
	6	Plug	9	250	.750	.695	.969	.733	.536	WM1317-ND	.72	6.36	42.43	03-09-2061
		Recept.	9	250	.718	.600	1.015	.632	.434	WM1316-ND	.72	6.36	42.43	03-09-1061
	9◊	Plug	9	250	.937	.660	.970	.730	.770	WM1319-ND	.84	7.43	49.53	03-09-2091
		Recept.	9	250	.828	.725	1.015	.625	.666	WM1318-ND	.84	7.43	49.53	03-09-1091
	12	Plug	7.5	250	1.155	.760	.969	.737	.975	WM1321-ND	.89	7.87	52.47	03-09-2122
		Recept.	7.5	250	1.050	.655	1.015	.633	.871	WM1320-ND	.91	8.00	53.32	03-09-1125
	15	Recept.	7.5	250	1.240	.655	1.015	.632	1.066	WM1322-ND	1.21	10.69	71.29	03-09-1154
.248"	2§	Plug	12	250	.800	.375	.968	.352	.639	WM1305-ND	.41	3.66	24.38	03-09-2021
		Recept.	12	250	.725	.312	1.000	.250	.536	WM1304-ND	.39	3.48	23.19	03-09-1027
.250"	3	Plug	11	600	1.022	.365	1.100	.350	.862	WM1501-ND	.83	7.37	49.11	19-09-2031
	4	Recept.	9	600	1.168	.311	1.140	.250	.760	WM1502-ND	.88	7.80	51.97	19-09-1043
	6	Plug	9	600	1.048	.658	1.100	.640	.886	WM1505-ND	.95	8.42	56.15	19-09-2061
		Recept.	9	600	.946	.608	1.140	.540	.790	WM1504-ND	.95	8.42	56.15	19-09-1061
.264"	1	Plug	12	600	.485	.343	.320	.320	.320	WM1601-ND	.42	3.73	24.86	19-09-2018
		Recept.	12	600	—	—	—	.300	.400	WM1600-ND•	.42	3.73	24.86	19-09-1019
	2	Plug	12	600	.800	.365	.635	.320	.580	WM1603-ND	.61	5.41	36.09	19-09-2028
		Recept.	12	600	—	—	—	.300	.560	WM1602-ND•	.61	5.41	36.09	19-09-1029
	3	Plug	11	600	1.022	.365	.862	.320	.848	WM1605-ND	.58	5.11	34.05	19-09-2038
		Recept.	11	600	—	—	—	.300	.830	WM1604-ND•	.60	5.29	35.27	19-09-1039
	4	Plug	9	600	1.270	.365	1.109	.321	1.110	WM1607-ND	.69	6.11	40.73	19-09-2048
		Recept.	9	600	—	—	—	.300	1.090	WM1606-ND•	.70	6.18	41.18	19-09-1049
	6	Plug	9	600	1.048	.658	.888	.604	.850	WM1609-ND	.77	6.84	45.58	19-09-2068
		Recept.	9	600	—	—	—	.560	.830	WM1608-ND•	.75	6.65	44.36	19-09-1069
	9	Plug	8	600	1.048	.909	.883	.868	.850	WM1611-ND	.86	7.62	50.78	19-09-2098
		Recept.	8	600	—	—	—	.560	.830	WM1610-ND•	.87	7.66	51.04	19-09-1099
	12	Plug	7	600	1.100	.910	1.140	.868	1.112	WM1613-ND	1.15	10.12	67.47	19-09-2128
		Recept.	7	600	—	—	—	.830	.900	WM1612-ND•	.97	8.55	57.03	19-09-1129
	15	Plug	6	600	1.552	.910	1.392	.868	1.380	WM1615-ND	1.36	11.99	79.95	19-09-2158
		Recept.	6	600	—	—	—	.868	1.380	WM1614-ND•	1.35	11.91	79.40	19-09-1159
Shrouded Male Pin Header														
.198"	3	Header	5	250	.770	.330	—	—	—	WM1625-ND	2.31	20.40	135.97	10-18-1032
	4	Header	5	250	.970	.330	—	—	—	WM1626-ND	2.64	23.25	155.03	10-18-1041
	6	Header	5	250	.740	.540	—	—	—	WM1627-ND	2.79	24.66	164.41	10-18-1061
	9	Header	5	250	.770	.730	—	—	—	WM1628-ND	3.59	31.68	211.21	10-18-1090
	12	Header	5	250	.980	.740	—	—	—	WM1629-ND	5.24	46.20	307.98	10-18-1120

§ Center spacing .248" (6.30mm) will accommodate: 14, 16 -and 18 AWG with 1/32" (.79mm) insulation – 16-18 AWG (double crimp), each with 1/32" (.79mm) insulation WM1400-WM1405 housing have positive locking rather than detent lock.

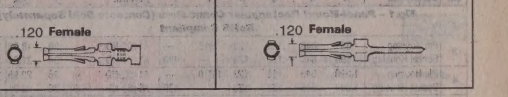
Δ Has positive lock rather than detent lock.

◊ Mounting ears are molded flush with back edge of wire end, not centered on side.

• **These Receptacles do not have mounting ears**

.093" Terminals

Features: Use with .093" housing **Temperature Range:** 40°C – 105°C; .010" stock 70/30 brass **High Voltage Test:** Withstands 1500 volts RMS for 60 seconds minimum applied between adjacent terminals **Current Rating:** Amperage rating up to 12 amps on some sizes **Storage Temperature Range:** -40°C – 125°C **Plating:** 200-300µ Inch Hot-Tin Dip tin plating



Description	Wire Size	Insulation Dia. (inch)	Digi-Key Part No.	Pricing 10	100	500	Molex Part No.
Male, Crimp Type	14-20	.065/.160	WM1100-ND	.87	6.93	28.89	02-09-2103
			WM1100CT-ND†	—	6.93	28.89	02-09-2101
			WM1100TR-ND‡	231.00/7,000			02-09-2101
Female, Crimp Type	14-20	.065/.160	WM1101-ND	.85	6.84	28.49	02-09-1104
			WM1101CT-ND†	—	6.84	28.49	02-09-1102
			WM1101TR-ND‡	224.00/7,000			02-09-1102
Male, Crimp Type	18-22	.060/.120	WM1102-ND	.90	7.19	29.95	02-09-2118
Female, Crimp Type	18-22	.060/.120	WM1103-ND	.85	6.84	28.49	02-09-1119
Male, Solder-Tail	—	—	WM1104-ND	1.98	15.84	65.99	02-09-2133
Female, Solder-Tail	—	—	WM1105-ND	1.98	15.87	66.11	02-09-1134
Male, Crimp Type	18-22	.060/.120	WM1106-ND*	10.37	82.94	345.56	02-09-6123
Female, Crimp Type	18-22	.060/.120	WM1107-ND*	10.37	82.94	345.56	02-09-5142
Male, Crimp Type	24-30	.030/.060	WM1108-ND*	11.72	93.75	390.61	02-09-6145
Female, Crimp Type	24-30	.030/.060	WM1109-ND*	11.72	93.75	390.61	02-09-5147
Male, Solder-Tail	—	—	WM1110-ND*	14.45	115.56	481.50	02-09-6132
Female, Solder-Tail	—	—	WM1111-ND*	15.47	123.90	515.83	02-09-5132
Hand Tool (Waldom)	—	—	WM9903-ND	14.55/1			W-HT-1919
Hand Tool (Molex) (14-22 AWG)	—	—	WM17465-ND	243.27/1			63811-3200
Universal Crimp Tool (Molex)	—	—	WM9999-ND	50.75/1			63811-1000
Production Tool (24-30 AWG) (Molex)	—	—	WM9967-ND	214.65/1			63811-3400
Extraction Tool (Molex)	—	—	WM9930-ND	19.08/1			11-03-0006
Manual Wire Stripper (Molex)	—	—	WM9969-ND	95.16/1			63817-0000

• 15µ Select Gold Finish † CT = Cut Tape ‡ TR = Tape and Reel

Cable Connector Designer Kit

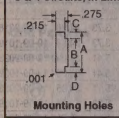
Covers from single to 15-circuit designs (250V and up to 12A/circuit). 90 complete connectors with .093" (2.36mm) diameter pin size. Crimping tool, pin terminal ejector and case included. *RoHS Compliant*

WM9982-ND **$61.16**

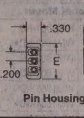
A

Fig. 1

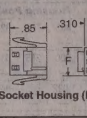
3 & 4 Circuits, In Line



Mounting Holes

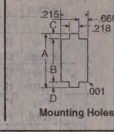


Pin Housing (Cap)

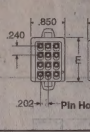


Socket Housing (Plug)

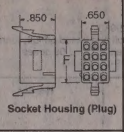
6, 9, 12 & 15 Circuits, Matrix



Mounting Holes



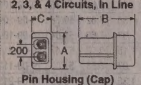
Pin Housing (Cap)



Socket Housing (Plug)

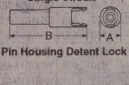
Fig. 2

2, 3, & 4 Circuits, In Line



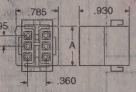
Pin Housing (Cap)

Single Circuit

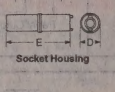


Socket Housing (Plug)

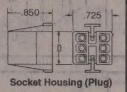
6, 8 & 10 Circuits, Dual Row



Pin Housing (Cap)



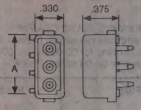
Socket Housing



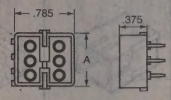
Socket Housing (Plug)

Fig. 3

2, 3 & 4 Circuits, In Line



6, 8, 10 & 12 Circuits, Dual Row



Mate with Free Hanging Socket Connectors

Housing Material: Natural nylon

Pin Material: Copper alloy.

Note: *Use standard pin for .062" (1.57 mm) thick PC board. Use long tail for .125" (3.18 mm) thick PC board.*

Fig. 4

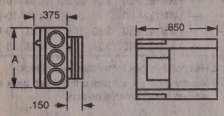


Fig. 5

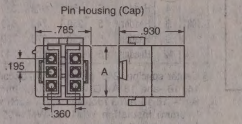


Fig. 6

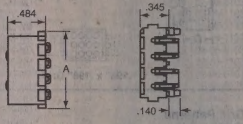


Fig. 7

Mating parts include socket housings, a vertical PC Board socket header and the insulation displacement connectors (IDC)

Specifications:

• Pre-Tin Solder Tail: width .052" (1.32mm) • Housing Material: Nylon, black • Flammability Rating: UL94V-2 • Contact: Phosphor bronze • Pin Material: Copper alloy

Recommended PC Board Layout: .061" (1.57mm) thick PC Board.

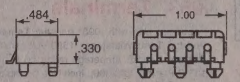


Fig. 8

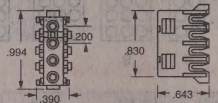
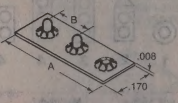


Fig. 9



No. of Cir.	Description	Dimensions – Inch A	B	C	D	E	F	Digi-Key Part No.	Pricing 1	100	AMP Part No.
Fig.1 – Panel-Mount Rectangular Connectors (Contacts Sold Separately) RoHS Compliant											
3	Pin Housing	.890	.645	.123	.123	.810	—	A1400-ND	.29	18.90	1-480305-0
	Socket Housing	.890	.645	.123	.123	—	.630	A1401-ND	.34	21.94	1-480304-0
4	Pin Housing	1.090	.845	.123	.123	1.010	—	A1402-ND	.36	22.95	1-480426-0
	Socket Housing	1.090	.845	.123	.123	—	.830	A1403-ND	.76	48.91	1-480425-0
6	Pin Housing	.850	.575	.138	.138	.655	—	A1404-ND	.59	37.89	1-480276-0
	Socket Housing	.850	.575	.138	.138	—	.565	A1405-ND	.97	62.01	1-480273-0
9	Pin Housing	1.085	.815	.135	.135	.905	—	A1406-ND	1.03	65.81	1-480277-0
	Socket Housing	1.085	.815	.135	.135	—	.805	A1407-ND	1.15	73.80	1-480274-0
12	Pin Housing	1.320	1.050	.135	.135	1.145	—	A1424-ND	1.23	78.63	1-480278-0
	Socket Housing	1.320	1.050	.135	.135	—	1.045	A1425-ND	1.33	85.16	1-480275-0
15	Pin Housing	1.555	1.290	.133	.133	1.382	—	A1426-ND	1.73	111.02	1-480324-0
	Socket Housing	1.555	1.290	.133	.133	—	1.280	A1427-ND	1.95	124.84	1-480323-0
Fig. 2 – Free-Hanging Rectangular Connectors (Contacts Sold Separately) RoHS Compliant											
1	Pin Housing Detent Lock	.300	1.200	—	—	—	—	A1204-ND	.30	10.06	1-480350-0
	Pin Housing Socket Housing	.300	1.240	—	—	—	—	A1408-ND	.29	8.29	1-480351-0
		—	—	—	2.60	.870	—	A1409-ND	.29	8.29	1-480349-0
	Pin Housing Detent Lock	.300	1.325	—	—	—	—	A25388-ND*	.39	25.30	1-480401-0
	Socket Housing	—	—	—	.260	.995	—	A25389-ND*	.30	10.58	1-480400-0
2	Pin Housing	.610	.930	.330	—	—	—	A1410-ND	.29	10.54	1-480319-0
	Socket Housing	—	—	—	.530	.860	.295	A1411-ND	.29	10.49	1-480318-0
	Pin Housing Detent Lock	.610	.930	.330	—	—	—	A25756-ND*	.73	46.61	1-480498-1
	Socket Housing	—	—	—	.530	.860	.295	A25757-ND*	.70	44.91	1-480393-1
3	Pin Housing	.810	.930	.325	—	—	—	A1400-ND	.29	18.90	1-480305-0
	Socket Housing	—	—	—	.825	.850	.290	A1429-ND	.31	19.83	1-480303-0
	Pin Housing Detent Lock	.810	.930	.325	—	—	—	A25414-ND*	.64	40.97	1-480387-0
	Socket Housing	—	—	—	.825	.850	.290	A25415-ND*	.69	44.53	1-480388-0
4	Pin Housing	1.010	.930	.330	—	—	—	A1402-ND	.36	22.95	1-480426-0
	Socket Housing	—	—	—	1.030	.850	.310	A1431-ND	.30	19.32	1-480424-0
	Pin Housing Detent Lock	1.010	.930	.330	—	—	—	A25416-ND†	1.76	112.66	794132-1
	Socket Housing	—	—	—	1.030	.850	.310	A25417-ND†	.51	32.41	770627-1
6	Pin Housing	.705	—	—	—	—	—	A1412-ND	.85	54.77	1-480340-0
	Socket Housing	—	—	—	.610	—	—	A1413-ND	.60	38.68	1-480270-0
8	Pin Housing	.900	—	—	—	—	—	A1206-ND	.94	60.07	1-480345-0
	Socket Housing	—	—	—	—	.805	—	A1207-ND	.63	40.55	1-480283-0
10	Pin Housing	1.095	—	—	—	—	—	A1414-ND	1.07	68.87	1-480339-0
	Socket Housing	—	—	—	1.00	—	—	A1415-ND	1.21	77.50	1-480285-0

No. of Circuits	Description	Dimension – Inch A	B	Digi-Key Part No.	Pricing 1	100	AMP Part No.
Fig. 3 – Printed Circuit Board Pin Header Assemblies – Mate Socket Housing							
2	Pre-Tin with Detent Lock	.515	—	A1208-ND◊	.59	42.62	350209-1
	Gold with Detent Lock	.515	—	A32180-ND◊	2.01	144.08	1586512-2
	Pre-Tin Positive Lock	.515	—	A14364-ND◊	.78	56.15	350539-1
	Gold Positive Lock	.515	—	A14365-ND	2.57	184.31	350539-2
	Gold Positive Lock	.515	—	A32186-ND◊	2.41	172.47	1586530-2
	Pre-Tin with Positive Lock Long Tail	.515	—	A14366-ND◊	1.70	121.63	350540-1
	Pre-Tin Detent Lock Long Tail	.515	—	A14367-ND◊	1.03	73.95	350422-1
3	Pre-Tin with Detent Lock	.715	—	A1210-ND◊	.95	67.81	350210-1
	Gold with Detent Lock	.715	—	A32181-ND◊	3.06	219.40	1586514-2
	Pre-Tin Positive Lock	.715	—	A14368-ND◊	1.80	128.66	350541-1
	Gold Positive Lock	.715	—	A32187-ND◊	3.46	247.82	1586532-2
	Pre-Tin Detent Lock Long Tail	.715	—	A14370-ND◊	1.35	96.83	350423-1
4	Pre-Tin with Detent Lock	.915	—	A1212-ND◊	.89	63.50	350211-1
	Gold with Detent Lock	.915	—	A32182-ND◊	2.45	175.30	1586515-2
	Pre-Tin Positive Lock	.915	—	A14371-ND◊	1.72	122.96	350543-1
	Gold Positive Lock	.915	—	A32188-ND◊	4.75	340.39	1586534-2
	Pre-Tin Positive Lock Long Tail	.915	—	A14373-ND◊	3.04	217.71	350544-1
	Pre-Tin Detent Lock Long Tail	.915	—	A14374-ND◊	1.58	113.25	350424-1
	Gold Detent Lock Long Tail	.915	—	A32185-ND◊	8.08	578.99	1586525-2
6	Pre-Tin Positive Lock Dual Row	.705	—	A1214-ND◊	1.21	87.07	1-380999-0
	Gold Positive Lock Dual Row	.705	—	A1215-ND◊	5.50	394.17	2-380999-0
				A33353-ND◊ ***NEW!***	5.15	368.86	2-1586546-0
	Pre-Tin Positive Lock Long Tail Dual Row	.705	—	A14376-ND◊	1.90	135.88	350425-1
8	Pre-Tin Positive Lock Dual Row	.900	—	A1216-ND◊	1.41	101.07	350212-1
	Pre-Tin Positive Lock Long Tail	.900	—	A14377-ND◊	2.15	153.73	350426-1

* UV Stable Black Color † Housing Material: UL94V-0 Rated ◊ ***RoHS Compliant*** *(Continued)*

No. of Circuits	Description	Dimension – Inch A	Dimension – Inch B	Digi-Key Part No.	Pricing 1	Pricing 100	AMP Part No.
8	Gold Positive Lock Dual Row	.900	—	A32183-ND◊	5.92	424.27	1586518-2
10	Pre-Tin Positive Lock Dual Row	1.095	—	A1218-ND◊	1.66	119.23	1-380991-0
	Gold Positive Lock Dual Row	1.095	—	A1219-ND	8.35	598.46	2-380991-0
				A33354-ND◊ *NEW!*	7.81	560.03	2-1586544-0
	Pre-Tin Positive Lock Long Tail	1.095	—	A14378-ND◊	3.08	220.75	350219-1
12	Pre-Tin Positive Lock	1.290	—	A14379-ND◊	3.12	223.43	350213-1
	Pre-Tin Positive Lock Long Tail	1.290	—	A14380-ND◊	3.25	233.11	350220-1
16	Pre-Tin Positive Lock	1.680	—	A14381-ND◊	3.84	275.43	350214-1
	Pre-Tin Positive Lock Long Tail	1.680	—	A14382-ND◊	5.02	359.93	350427-1
Fig. 3 – PC Board Vertical Pin Header – Mate with Socket Housing – UL94V-2							
4	Pre-Tin, with Detent Lock	.915	—	A25420-ND◊	1.22	87.55	770328-1
				A33355-ND◊ *NEW!*	1.14	81.93	1586627-1
	Pre-Tin, with Detent Lock Housing Material UL94V-0	.915	—	A25422-ND◊	.97	69.29	794236-1
12	Gold with Positive Lock	1.290	—	A32184-ND◊	8.99	644.42	1586520-2
Fig. 3 – PC Board Vertical Socket Header – Mate with Pin Housing – UL94V-2 RoHS Compliant							
4	Pre-Tin, In-Line, SMT Compatible	1.000	—	A25425-ND	1.29	104.18	794287-1
6	Pre-Tin, Matrix	.720	—	A25763-ND	2.10	170.00	350641-1
9	Pre-Tin, Matrix	.960	—	A25764-ND	1.60	129.45	350642-1
12	Pre-Tin, Matrix	1.200	—	A25426-ND	3.07	248.38	350643-1
15	Pre-Tin, Matrix	1.440	—	A25765-ND	3.75	303.60	350644-1
Fig. 4 – Positive Lock Socket Housing — RoHS Compliant							
2	Socket Housing (Plug)	.435	—	A14357-ND	.52	33.55	1-480720-0
3	Socket Housing (Plug)	.630	—	A14358-ND	1.09	70.11	1-480721-0
4	Socket Housing (Plug)	.830	—	A14359-ND	1.19	76.51	1-480722-0
Fig. 5 – Motor Mount Housing (Positive Lock) — RoHS Compliant							
6	Pin Housing (Cap)	.705	—	A14361-ND	.89	57.26	1-480271-0
6	Socket Housing (Plug)	—	.610	A1413-ND	.60	38.68	1-480270-0
8	Pin Housing (Cap)	.900	—	A25410-ND	1.50	96.11	1-480284-0
10	Pin Housing (Cap)	1.095	—	A25411-ND	1.68	107.94	1-480286-0
12	Pin Housing (Cap)	1.290	—	A25413-ND	1.88	120.35	1-480288-0
12	Socket Housing (Plug)	—	1.195	A25412-ND	1.33	85.16	1-480287-0
16	Pin Housing (Cap)	1.680	—	A14363-ND	1.50	95.92	1-480439-0
16	Socket Housing (Plug)	—	1.585	A14362-ND	1.96	125.58	1-480438-0

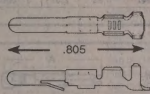
No. of Circuits	Description	Dimension – Inch A	Dimension – Inch B	Digi-Key Part No.	Pricing 1	Pricing 100	AMP Part No.
Fig. 6 – PC Board Right Angle Pin Headers - Mates with Socket Housing RoHS Compliant							
2	UL94V-2, Nylon, Natural	.600	—	A25753-ND	1.94	138.80	794120-1
3	UL94V-0, Nylon	.800	—	A25429-ND	2.64	189.37	643488-1
4	UL94V-2, Nylon, Natural	1.000	—	A25430-ND	1.45	103.89	641737-1
	UL94V-2, Nylon, Natural, Surface Mount Compatible	1.000	—	A25431-ND	2.35	168.45	770846-1
	UL94V-0, Nylon	1.000	—	A25432-ND	2.20	157.87	1-641737-1
Fig. 7 – PC Board Surface Mount Pin Header — RoHS Compliant							
4	Pin Header, In-Line	—	—	A25424-ND	2.11	151.13	770829-1
Fig. 8 – Insulation Displacement Connector (IDC) — RoHS Compliant							
	Pre-Tin, 22AWG, Red, UL94V-2			A14383-ND	.62	50.42	770156-2
	Pre-Tin, 22AWG, Red, UL94V-0			A25433-ND	.89	71.99	794036-3
	Pre-Tin Pin Finish 20AWG, Yellow, UL94V-2			A14384-ND	.62	50.42	770156-4
	Pre-Tin, 20AWG, Yellow, UL94V-0			A25434-ND	.89	71.99	794036-2
	Pre-Tin Pin Finish 18AWG, Orange, UL94V-2			A14385-ND	.62	50.42	770156-3
	Pre-Tin, 18AWG, Orange, UL94V-0			A25435-ND	1.10	89.25	794036-1
	Pre-Tin, 16AWG, Blue, UL94V-2			A25436-ND	.96	78.01	770156-5
	Pre-Tin, 16AWG, Blue, UL94V-0			A25437-ND	.89	71.99	794036-4
Dust Covers for IDC Parts - UL94V-2 — RoHS Compliant							
	For Feed-To Wiring, Polyester, White	—	—	A25438-ND	.19	15.24	770232-1
	For Feed-Thru Wiring, Polyester, White	—	—	A25439-ND	.20	15.79	770233-1
Fig. 9 – Commoning Tabs - Use With Pin Housing — RoHS Compliant							
	2 Holes, Brass, Tin Plated	.377	.203	A25427-ND	.06	4.86	60843-1
	3 Holes, Brass, Tin Plated	.579	.203	A25428-ND	.07	5.31	60842-1
Tools							
	Certicrimp Crimp Tool, 30-22AWG, .035"-.055" Insulation Diameter			A9951-ND	519.12/1		91515-1
	Certicrimp Crimp Tool, 24-18AWG, .043"-.100" Insulation Diameter			A9948-ND	551.57/1		91528-1
	Certicrimp Crimp Tool, 24-18AWG, .060"-.100" Insulation Diameter			A9974-ND	495.95/1		91512-1
	Certicrimp Crimp Tool, 20-14AWG, .100"-.130" Insulation Diameter			A9908-ND	457.32/1		91504-1
	Pro-Crimper III Crimp Tool Without Dies			A9996-ND	66.00/1		354940-1
	Pro-Crimper III Crimp Tool, With Dies, 24-18AWG			A25418-ND	159.99/1		90574-1
	Pro-Crimper III Crimp Tool, With Dies, 20-14AWG			A25419-ND	159.99/1		90575-1
	Die Set for Pro-Crimper III 24-18AWG			A9940-ND	106.05/1		90574-2
	Die Set for Pro-Crimper III 20-14AWG			A9939-ND	106.05/1		90575-2
	Contact Extraction Tool			A1419-ND	13.23/1		465644-1
	Contact Insertion Tool			A9998-ND	18.63/1		91002-1
	Contact Insertion Tool (Tweezer Type)			A1444-ND	17.06/1		455830-1

* UV Stable Black Color † Housing Material: UL94V-0 Rated ◊ *RoHS Compliant*

Contacts

RoHS COMPLIANT

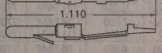
Fig. 1



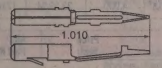
Pin

- Carries up to 15 amps maximum (based on 30°C temperature rise)
- Low insertion/extraction forces
- UL recognized for 250 volts, AC/DC
- CSA certified

Fig. 2



Pin



Socket

For PC board with the following specifications:

- Board Thickness: .062" (1.57mm)
- Board Hole Size: .057" (1.45mm)

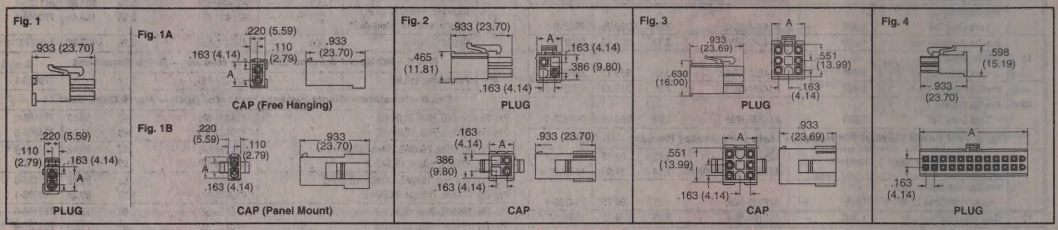
Description	Insul. Dia. Range Inch	Digi-Key Part No.	Pricing 10	Pricing 100	AMP Part No.	Digi-Key Part No.	Tape and Reel* Size	Tape and Reel* Pricing	AMP Part No.
Fig. 1 – Crimp Contacts (Pins & Sockets)									
Pin, Brass, Pre-Tin	30-22AWG .040 - .075	A25547-ND	1.98	13.35	61174-1	A25547TR-ND	9,000	33.32/M	350079-1
Socket, Brass, Pre-Tin		A25548-ND	1.98	13.35	61173-1	A25548TR-ND	6,500	33.32/M	350078-1
Pin, Phosphor Bronze, Pre-Tin		—	—	—	—	A25549TR-ND	8,000	74.42/M	350079-4
Socket, Phosphor Bronze, Pre-Tin		A25550-ND	3.15	21.16	61173-4	A25550TR-ND	6,500	68.72/M	350078-4
Pin, Brass, Gold		A25552-ND	15.56	104.65	61174-5	A25552TR-ND	8,000	490.46/M	350079-5
Socket, Brass, Gold		A25767-ND	15.56	104.65	61173-5	—	—	—	—
Pin, Brass, Pre-Tin	24-18AWG .060 - .100	A1422-ND	1.35	9.05	60618-1	—	—	—	—
Socket, Brass, Pre-Tin		A1423-ND	1.33	8.94	60617-1	—	—	—	—
Pin, Phosphor Bronze, Pre-Tin		A25554-ND	2.93	19.71	60618-4	A25554TR-ND	8,000	68.72/M	61116-4
Socket, Phosphor Bronze, Pre-Tin		A25555-ND	2.93	19.71	60617-4	A25555TR-ND	7,000	51.45/M	61314-4
Pin, Brass, Gold		A1432-ND	12.71	85.48	60618-5	—	—	—	—
Socket, Brass, Gold		A1433-ND	12.71	85.48	60617-5	A1433TR-ND	7,000	491.06/M	61314-5
Pin, Phosphor Bronze, Select Gold		A25558-ND	15.34	103.19	60618-6	—	—	—	—
Socket, Phosphor Bronze, Select Gold		A25559-ND	13.10	88.10	60617-6	A25559TR-ND	7,000	421.65/M	61314-6
Pin, Brass, Select Gold		—	—	—	—	A25560TR-ND	8,000	277.22/M	61116-7
Pin, Brass, Pre-Tin	20-14AWG .100 - .130	A1420-ND	1.33	8.94	60620-1	—	—	—	—
Socket, Brass, Pre-Tin		A1421-ND	1.33	8.94	60619-1	—	—	—	—
Pin, Phosphor Bronze, Pre-Tin		A25561-ND	2.93	19.71	60620-4	—	—	—	—
Socket, Phosphor Bronze, Pre-Tin		A25562-ND	2.93	19.71	60619-4	—	—	—	—
Pin, Brass, Gold		A1434-ND	12.05	81.04	60620-5	A1434TR-ND	5,000	490.46/M	61118-5
Socket, Brass, Gold		A1435-ND	12.71	85.48	60619-5	—	—	—	—
Socket, Phosphor Bronze, Gold		A25565-ND	14.58	98.09	60619-7	A25565TR-ND	5,000	583.59/M	61117-6
Pin, (2)18 or (1)18 and (1)16AWG, Brass, Pre-Tin	.115 Max. (stacked)	A25568-ND	1.98	13.35	350639-1	A25568TR-ND	3,000	52.94/M	350558-1
Socket, (2)18 or (1)18 and (1)16AWG, Brass, Pre-Tin		—	—	—	—	A25567TR-ND	3,000	52.94/M	350557-1
Pin, (2)18 or (1)18 and (1)16AWG, Phos. Bronze, Pre-Tin		—	—	—	—	A25769TR-ND	3,000	99.02/M	350558-4
Socket, (2)18 or (1)18 and (1)16AWG, Phos. Brz., Pre-Tin		A25570-ND	2.93	19.71	350638-4	A25570TR-ND	3,000	99.02/M	350557-4
Fig. 2 - PC Board Contacts									
Pin, Phosphor Bronze, Pre-Tin	—	A24727-ND	1.88	12.66	61518-1	—	—	—	—
Socket, Phosphor Bronze, Pre-Tin	—	A24728-ND	1.98	13.35	61320-1	—	—	—	—
Keying Plug									
Nylon, Natural UL94V-2	—	A16066-ND	—	14.64	200821-1	—	—	—	—

Gold Finish - Plated with .000030 minimum gold in mating area and inside wire barrel over .000050 minimum nickel Select Gold Finish - Plated with .000030 minimum gold in mating area over .000050 minimum nickel * The TR are also available in CT.

Mini-Universal MATE-N-LOK® and Sealed Mini-Universal MATE-N-LOK® Connectors

Mini-Universal MATE-N-LOK®: Features: • Compact • Contacts are fully protected in the housings. Both pins and sockets can be used on the power supply wiring • Fully polarized to provide proper plug-to-cap mating incorporating a positive locking mechanism to prevent accidental disengagement of mated connectors. Also facilitates panel mounting • Contacts accept wire size range 30-16AWG • .163" (4.14mm) centerline spacing • Recognized under the component program of UL, Inc File No. E28476 • Certified by Canadian Standards Association File No. LR 38721 • Passed test by VDE under their Registration Number 3476/Continuous Surveillance. **Performance Characteristics:** • Dielectric Withstanding Voltage: 1.5KVAC between adjacent circuits • Insulation Resistance: 1000MΩ minimum between adjacent circuits • Voltage Rating: 600VAC or DC • Contact Retention: 8 pounds minimum per contact • Durability: 20 cycles, mating and unmating

Sealed Mini-Universal MATE-N-LOK®: Features: • Compact • Wire-to-Wire and Wire-to-Board connector system that provides the advantages of using a proven product technology in a splash-proof environment. • Mates with all standard Mini-Universal MATE-N-LOCK connector housings • Uses existing Mini-Universal MATE-N-LOK application toolings and contacts • Product has been tested to IP Level 5/7 for .040" - .083" [1.02 - 2.11 mm] insulation diameter wire **Performance Characteristics:** • Dielectric Withstanding Voltage: 1.5K VAC • Insulation Resistance: 1000MΩ maximum between adjacent circuits • Voltage Rating: 600VAC or DC • Current: 9A maximum • Contact Retention: 8 pounds minimum per contact • Durability: 20 cycles, mating and unmating



Mini-Universal MATE-N-LOK® Connectors

Fig.	No. of Circuits	Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
		.163 (4.14mm) Centerline Housing, UL94V-0 White Nylon — RoHS Compliant					
1	2	Plug In-Line	.386 (9.80)	A25587-ND	.50	.32	172165-1
	3		.551 (14.00)	A25588-ND	.55	.36	172166-1
1A	2	Cap In-Line	.386 (9.80)	A25662-ND	.51	.33	172233-1
	3		.551 (14.00)	A25663-ND	.57	.37	172234-1
1B	2	Cap In-Line	.386 (9.80)	A25697-ND	.45	.29	172157-1
	3		.551 (14.00)	A25698-ND	.50	.32	172158-1
2	4	Plug Dual Row	.386 (9.80)	A25571-ND	.50	.33	172167-1
		Cap Dual Row		A25572-ND	.53	.34	172159-1
	6	Plug Dual Row	.551 (14.00)	A25573-ND	.68	.44	172168-1
		Cap Dual Row		A25574-ND	.70	.45	172160-1
3	9	Plug Matrix	.551 (14.00)	A25702-ND	.74	.48	172169-1
		Cap Matrix		A25699-ND	.78	.50	172161-1
	12	Plug Matrix	.716 (18.19)	A25703-ND	.85	.55	172170-1
		Cap Matrix		A25700-ND	.82	.53	172162-1
	15	Plug Matrix	.882 (22.40)	A25704-ND	1.09	.70	172171-1
		Cap Matrix		A25701-ND	1.04	.67	172163-1
4	8	Plug Dual Row	.714 (18.14)	A25575-ND	.61	.40	770579-1
	10		.877 (22.28)	A25576-ND	.66	.44	770580-1
	12		1.040 (26.42)	A25577-ND	.73	.47	770581-1
	14		1.203 (30.56)	A25578-ND	1.63	1.05	770582-1
	16		1.366 (34.70)	A25579-ND	1.14	.74	770583-1
	18	Plug Dual Row	1.529 (38.84)	A25580-ND	1.28	.83	770584-1
	20		1.692 (42.98)	A25581-ND	1.42	.92	770585-1
	22		1.855 (47.12)	A25582-ND	1.57	1.01	770586-1
	24		2.018 (51.26)	A25583-ND	1.71	1.10	770587-1

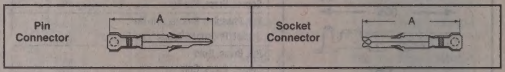
Sealed Mini-Universal MATE-N-LOK® Connectors

Dimensions may vary slightly - see the Digi-Key® Website for manufacturer's drawings.

Fig.	No. of Circuits	Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
		.163 (4.14mm) Centerline Housing, UL94V-0 White Nylon — RoHS Compliant					
1	2	Plug In-Line	.386 (9.80)	A30709-ND	.66	.43	794894-1
1B	2	Cap In-Line	.386 (9.80)	A30714-ND	.77	.50	794896-1
2	4	Plug Dual Row	.486 (12.34)	A30710-ND	.66	.43	794805-1
	4	Cap Dual Row	.386 (9.80)	A30715-ND	.81	.52	794939-1
	6	Plug Dual Row	.651 (16.54)	A30711-ND	.96	.62	794895-1
	6	Cap Dual Row	.386 (9.80)	A30716-ND	1.06	.69	794940-1
	8	Plug Dual Row	.814 (20.68)	A30712-ND	1.05	.68	794821-1
	8	Cap Dual Row	.714 (18.14)	A30717-ND	1.17	.75	794941-1
	10	Plug Dual Row	.977 (24.82)	A30713-ND	1.14	.74	794781-1
	10	Cap Dual Row	.877 (22.28)	A30718-ND	1.28	.83	794942-1
	16	Plug Dual Row	1.466 (37.24)	A32587-ND ***NEW!***	2.12	1.37	794824-1
—	2	Interface Seal	—	A30719-ND	.54	.36	794772-2
	4	Interface Seal	—	A30720-ND	.50	.33	794772-4
	6	Interface Seal	—	A30721-ND	.60	.40	794772-6
	8	Interface Seal	—	A30722-ND	.63	.42	794772-8
	10	Interface Seal	—	A30723-ND	.67	.44	1-794772-0
	16	Interface Seal	—	A32580-ND ***NEW!***	1.01	.67	1-1586362-6
—	—	Cavity Plug Seal	—	A30724-ND	.31	.21	794995-1
—	—	Cavity Wire Seal	—	A30725-ND	.24	.16	794758-1
—	2	Gang Seal	—	A32581-ND ***NEW!***	1.92	1.26	1586359-2
	4	Gang Seal	—	A32582-ND ***NEW!***	2.17	1.43	1586359-4
	6	Gang Seal	—	A32583-ND ***NEW!***	2.49	1.64	1586359-6
	8	Gang Seal	—	A32584-ND ***NEW!***	2.81	1.85	1586359-8
	10	Gang Seal	—	A32585-ND ***NEW!***	3.20	2.10	1-1586359-0
	16	Gang Seal	—	A32586-ND ***NEW!***	3.92	2.57	1-1586359-6

Mini-Universal MATE-N-LOK® Contacts

Specifications: • Material: Brass • Stock Thickness: .008" (.20mm)
Contact Plating: A: Brass pre-tin plated B: Duplex Finish - Plated with .000030" (.000762mm) min. gold in mating area and .000100" (.00254mm) minimum tin-lead in crimp area over .000050" (.00127mm) minimum nickel underplate on entire contact



Wire Size (AWG)	Insulation Diameter Inch (mm)	Plating	Dimension A Inch (mm)	Digi-Key Part No.	Loose Piece Pricing 1	Loose Piece Pricing 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 500	Cut Strip Pricing 1000	Digi-Key Part No.	Strip Tape & Reel Size	Strip Tape & Reel Pricing	AMP Part No.
				Pin Contacts — Diameter .039" (0.99mm)										
30-26	.035 - .050 (.889-1.27)	A	.671 (17.04)	A25667-NDΔ	.30	10.07	794059-1	A25667CT-NDΔ	—	61.30	A25667TR-NDΔ	10,000	33.11/M	770835-1
		B		A25671-ND	.56	36.21	794059-3	—	—	—	—	—	—	—
26-22	.047 - .069 (1.19-1.75)	A	.671 (17.04)	A25675-NDΔ	.29	9.77	770985-1	A25675CT-NDΔ	—	61.30	A25675TR-NDΔ	7,000	36.78/M	770901-1
		B		A25679-ND	.56	36.21	770985-3	A25679CT-ND	—	338.53	—	—	—	770901-3
22-18 or 22(2)	.059 - .110 or .133 max. (1.50-2.79 or 3.38)	A	.671 (17.04)	A25683-NDΔ	.30	10.07	770987-1	A25683CT-NDΔ	33.72	61.30	A25683TR-NDΔ	4,500	36.78/M	770903-1
20-16 or 20 (2)	.079 - .126 or .094(2) (2.01 - 3.20 or 2.79)	A	.689 (17.50)	A25691-NDΔ	.29	6.13	171638-1	A25691CT-NDΔ	—	55.08	A25691TR-NDΔ	4,000	33.05/M	171636-1
				Socket Contacts										
30-26	.035 - .050 (8.89-1.27)	A	.659 (16.74)	A25668-NDΔ	.18	6.11	794058-1	A25668CT-NDΔ	—	61.30	A25668TR-NDΔ	10,000	33.11/M	770834-1
		B		A25672-ND	.34	21.95	794058-3	A25672CT-ND	—	355.48	A25672TR-ND	10,000	191.96/M	770834-3
26-22	.047 - .069 (1.19-1.75)	A	.659 (16.74)	A25676-NDΔ	.30	10.07	770986-1	A25676CT-NDΔ	—	61.30	A25676TR-NDΔ	7,000	36.78/M	770902-1
		B		A25680-ND	.56	36.21	770986-3	A25680CT-ND	—	352.43	A25680TR-ND	7,000	211.46/M	770902-3
22-18 or 22(2)	.059 - .110 or .133 max. (1.50-2.37 or 3.38)	A	.659 (16.74)	A25684-NDΔ	.18	6.11	770988-1	A25684CT-NDΔ	33.72	61.30	A25684TR-NDΔ	4,500	36.78/M	770904-1
		B		—	—	—	—	A25684CT-ND	176.84	321.53	—	—	—	770904-3
20-16 or 20 (2)	.079 - .126 (2.01 - 3.20 or 2.79)	A	.689 (17.50)	A25692-NDΔ	.24	5.04	171639-1	A25692CT-NDΔ	—	55.48	A25692TR-NDΔ	4,000	33.29/M	171637-1

Description	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.	Description	Digi-Key Part No.	Price Each	AMP Part No.
				Keying Plugs and Tools for Mini-Universal MATE-N-LOK®				
Keying Plug 94V-0	A25693-NDΔ	.30	.13	174670-1	—	—	—	—
Contact Extraction Tool	A25695-ND	19.28	—	180727-1	—	—	—	—
Contact Insertion Tool	A1444-ND	17.06	—	455830-1	—	—	—	—
PRO-CRIMPER III Hand Tool, w/Die, 30-26AWG	A9819-ND	186.35	—	90870-1	Die Set for PRO-CRIMPER III 30-26AWG	A9956-ND	140.90	90870-2
PRO-CRIMPER III Hand Tool, w/Die, 26-22AWG	A25584-ND	145.50	—	90758-1	Die Set for PRO-CRIMPER III 26-22AWG	A30039-ND	111.00	90758-2
PRO-CRIMPER III Hand Tool, w/Die, 22-18 or 22(2)AWG	A25585-ND	145.50	—	90759-1	Die Set for PRO-CRIMPER III 22-18AWG	A30040-ND	111.00	90759-2
PRO-CRIMPER III Hand Tool, w/Die, 20-16 or 20(2)AWG	A25586-ND	218.16	—	90760-1	—	—	—	—

Δ *RoHS Compliant*

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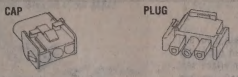
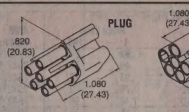
Fig. 1



• Pins and sockets can be intermixed in the same housing • Positive polarization • Pin or socket contact can be hot • Positive locking housings • Removable, crimp snap-in contacts • Low contact mating force • Dual locking lances provide optimum contact stability • Panel-mount or free-hanging • Harness to PC board capability using pin or socket header assemblies **Features:** • Rated to 600V • Insulation capacity to .200" (5.08 mm) diameter • Contacts are on .250" (6.35 mm) centerline spacing

Fig. 2



• Circular design allows the connector to pass through 7/8 inch knock-out holes in electrical fixtures and boxes **Features:** • Voltage: 600 VAC or DC • Current: 20A maximum per UL-1977

Fig. 3

• Special flanged universal MATE-N-LOK cap housing **Features:** • Voltage: 600V • Current: 15.5A maximum

Fig. 4 ***NEW!***

• Sealed Bulkhead Connector **Features:** • Locknut: Metal • Housing: Nylon, Flame Retardant, UL94-VO • O-Ring: Neoprene

Fig. 5

• Mating Connectors: Housings and headers having the same number of circuits. • Pins and sockets can be intermixed in the same housing • Test probes have 5A max. current rating • 1,000,000 cycles • Test connector housings are of the same configuration as standard housings

Fig. 5A — 2-5 Circuits

Fig. 5B — 6 Circuits

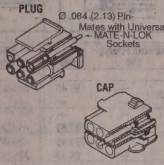


Fig. 6

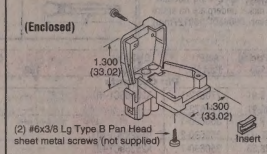


Fig. 7

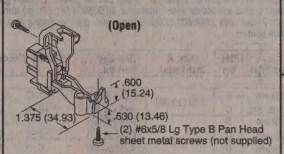


Fig. 8

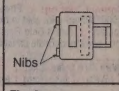


Fig. 9

Connectors

Fig.	No. of Circuits	Description	Digi-Key Part No.	Pricing 1	Pricing 100	AMP Part No.
		Universal MATE-N-LOK UL94V-0 Connectors Nylon, White Color (Contacts Sold Separately)				
1	1	Plug In-Line	A14276-ND	.38	24.09	350865-1
		Cap In-Line	A14277-ND	.38	24.09	350866-1
	2	Plug In-Line	A14278-ND	.37	23.48	350777-1
		Cap In-Line	A14279-ND	.52	33.21	350778-1
	3	Plug In-Line	A14280-ND	.44	28.11	350766-1
		Cap In-Line	A14281-ND	.53	33.88	350767-1
	4	Plug In-Line	A14282-ND	.46	29.32	350779-1
		Cap In-Line	A14283-ND	.58	37.13	350780-1
	5	Plug In-Line	A14284-ND	.49	31.32	350809-1
		Cap In-Line	A14285-ND	.59	37.86	350810-1
	6	Plug In-Line	A14286-ND	1.04	66.57	640581-1
		Cap In-Line	A14287-ND *	2.70	173.02	926307-3
		Plug Matrix	A14288-ND	.66	42.07	350715-1
		Cap Matrix	A14289-ND	.58	37.07	350781-1
	8	Plug In-Line	A14290-ND	.89	56.89	640582-1
		Cap In-Line	A14291-ND *	3.25	208.77	926308-3
	9	Plug Matrix	A14292-ND	.57	36.48	350720-1
		Cap Matrix	A14293-ND	.70	45.02	350782-1
	12	Plug Matrix	A14294-ND	.73	46.59	350735-1
		Cap Matrix	A14295-ND	.86	55.15	350783-1
	15	Plug Matrix	A14296-ND	.93	59.85	350736-1
		Cap Matrix	A14297-ND	1.43	91.66	350784-1
		Universal MATE-N-LOK UL94V-2 Connectors Nylon, Natural Color (Contacts Sold Separately)				
1	1	Plug In-Line	A14270-ND	.28	9.49	1-350867-0
		Cap In-Line	A14271-ND	.28	10.01	770421-1
	2	Plug In-Line	A1448-ND	.30	16.97	1-480698-0
		Cap In-Line	A1449-ND	.30	15.49	1-480699-0
	3	Plug In-Line	A1450-ND	.29	16.20	1-480700-0
		Cap In-Line	A1451-ND	.30	16.99	1-480701-0
	4	Plug In-Line	A1452-ND	.31	17.42	1-480702-0
		Cap In-Line	A1453-ND	.30	17.24	1-480703-0
	5	Plug In-Line	A1454-ND	.34	21.64	1-480763-0
		Cap In-Line	A1455-ND	.38	24.43	1-480764-0
	6	Plug Matrix	A1456-ND	.33	21.10	1-480704-0
		Cap Matrix	A1457-ND	.31	20.12	1-480705-0
		Plug In-Line	A14272-ND	.67	42.96	640585-1
		Cap In-Line	A14273-ND	1.12	71.93	926307-1
	8	Plug In-Line	A14274-ND	1.01	64.60	640586-1
		Cap In-Line	A14275-ND	1.71	109.68	926308-1
	9	Plug Matrix	A1458-ND	.37	23.95	1-480706-0
		Cap Matrix	A1459-ND	.34	21.55	1-480707-0
	12	Plug Matrix	A1460-ND	.43	27.69	1-480708-0
		Cap Matrix	A1461-ND	.38	24.42	1-480709-0
	15	Plug Matrix	A1462-ND†	.63	40.19	1-480710-0
		Cap Matrix	A1463-ND	.56	35.86	1-480711-0
2	6	Plug Circular	A30576-ND	.74	53.31	794911-1
		Cap Circular	A30577-ND	.74	53.31	794912-1
		Universal MATE-N-LOK UL94V-0 Flanged Cap Housings Nylon, White Color (Contacts Sold Separately)				
3	6	Matrix	A30555-ND	1.48	119.94	794760-1
	9	Matrix	A30556-ND	1.79	144.73	794761-1
	12	Matrix	A30557-ND	2.16	174.67	794762-1
		Universal MATE-N-LOK UL94V-2 Flanged Cap Housings Nylon, Natural Color (Contacts Sold Separately)				
3	6	Matrix	A30558-ND	1.29	104.29	794714-1
	9	Matrix	A30559-ND	1.55	125.86	794715-1
	12	Matrix	A30560-ND	1.88	151.88	794716-1
		Universal MATE-N-LOK UL94V-2 Sealed Bulkhead Cap Nylon, Natural Color (Contacts Sold Separately) NEW! RoHS Compliant NEW!				
4	4	Cap In-Line	A32535-ND	2.75	222.70	1604256-1
	6	Cap Matrix	A32536-ND	2.84	229.50	1604210-1
	9	Cap Matrix	A32537-ND	2.96	239.70	1604254-1
	12	Cap Matrix	A32538-ND	3.51	283.90	1604941-1
Keying Plug, UL94V-0			A14305-ND	.25	20.03	1-640415-0
Keying Plug, UL94V-2			A14304-ND	.24	19.24	1-640415-1

† Black * Brick Red

Fig.	No. of Circuits	Description	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
		Test Connectors (with spring loaded contacts)				
5A	2	Plug In-Line	A25328-ND	39.78	25.52	350848-2
		Cap In-Line	A25331-ND	41.87	26.86	350849-2
	3	Plug In-Line	A25731-ND	57.40	36.83	350848-3
		Cap In-Line	A25732-ND	54.54	34.99	350849-3
	4	Plug In-Line	A25330-ND	69.43	44.54	350848-4
		Cap In-Line	A25329-ND	69.40	44.53	350849-4
	5	Plug In-Line	A25733-ND	88.88	57.02	350848-5
		Cap In-Line	A25734-ND	89.04	57.12	350849-5
5B	6	Plug Matrix	A25735-ND	107.59	69.02	350848-6
		Cap Matrix	A25736-ND	107.70	69.09	350849-6

Strain Reliefs (Two strain reliefs required per housing)

Fig.	No. of Circuits	Description	Insert Supplied	Wire Bundle Size (inch)	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
		Enclosed Plug Housing UL94V-0 Strain Reliefs — Nylon, White Color						
6	2	In-Line	Yes	.040-.190	A14338-ND	1.13	.92	640713-1
			No	.200-.350	A25162-ND	1.13	.92	640713-2
	3	In-Line	Yes	.040-.190	A14339-ND	1.05	.86	640714-1
			No	.200-.350	A25163-ND	.91	.74	641945-1
	4	In-Line	Yes	.040-.190	A14340-ND	1.16	.94	641776-1
			No	.200-.350	A25164-ND	.99	.81	641776-2
	5	In-Line	Yes	.040-.190	A14341-ND	1.17	.95	643030-1
			No	.200-.350	A25165-ND	1.17	.95	643030-4
	6	In-Line	Yes	.040-.190	A14342-ND†	1.19	.96	643313-1
			No	.200-.350	A25166-ND†	1.19	.96	643313-2
	8	In-Line	Yes	.040-.190	A14343-ND†	1.21	.99	643314-1
	6	Matrix	Yes	.120-.650	A14344-ND	1.09	.86	640715-1
	9			.120-.650	A14345-ND	1.13	.92	640716-1
	12			.150-.750	A14346-ND	1.27	1.03	640717-1
	15			.200-.850	A14347-ND	1.26	1.02	640718-1
		Enclosed Plug Housing UL94V-2 Strain Reliefs — Nylon, Natural Color						
6	2	In-Line	Yes	.040-.190	A14348-ND	1.02	.81	1-640719-0
			No	.200-.350	A25167-ND	1.29	1.05	1-640719-1
	3	In-Line	Yes	.040-.190	A14349-ND	1.03	.84	1-640720-0
			No	.200-.350	A14350-ND	1.02	.83	641763-1
	4	In-Line	Yes	.040-.190	A2516 B-ND	1.04	.85	641775-1
			No	.200-.350	A14351-ND	1.10	.89	641775-2
	5	In-Line	Yes	.040-.190	A25169-ND	1.06	.86	643030-3
			No	.200-.350	A14352-ND	1.06	.86	643030-2
	6	In-Line	Yes	.040-.190	A25324-ND†	1.07	.87	643585-1
			No	.200-.350	A25325-ND†	1.07	.87	643585-2
	6	Matrix	Yes	.120-.650	A14353-ND	1.07	.85	1-640721-0
	9			.120-.650	A14354-ND	1.11	.90	1-640722-0
	12			.150-.750	A14355-ND	1.14	.93	1-640723-0
	15			.200-.850	A14356-ND	1.18	.96	1-640724-0

† Strain relief for 6 and 8 position in-line fits plug housings only.

Fig.	Description	Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
	Open Plug Housing UL94V-0 Strain Reliefs — Nylon, White Color				
7	2, 3, 4, 5, 6 and 8, In-Line	A14336-ND	.63	.51	350811-1
	6, 9, 12 and 15, Matrix	A14337-ND	.72	.59	350812-1
	Open Plug Housing UL94V-2 Strain Reliefs — Nylon, Natural Color				
7	2, 3, 4, 5, 6 and 8, In-Line	A25326-ND	.56	.46	1-350589-0
	6, 9, 12 and 15, Matrix	A25327-ND	.65	.53	1-350590-0

Cap Housing Adapters

Fig.	Description	Digi-Key Part No.	Price Each 10	Price Each 100	AMP Part No.
	Adapters for UL94V-0 Strain Reliefs — White Color				
8	For All Positions Except 2, 6 and 8 Circuit Cap Housings	A24724-ND	.59	.52	641778-1
	Adapter Without NIBS For All Positions Except 2, 6 and 8 Circuit Cap Housings	A24725-ND	.59	.52	641778-2
9	For 2 In-Line and 6 Matrix Circuit Cap Housings Only	A24726-ND	.58	.51	643182-2
	Adapters for UL94V-2 Strain Reliefs — Natural Color				
8	For All Positions Except 2, 6 and 8 Circuit Cap Housings	A24903-ND	.57	.50	641777-1
9	For 2 In-Line and 6 Matrix Circuit Cap Housings Only	A24904-ND	.76	.67	643182-1

(Continued)

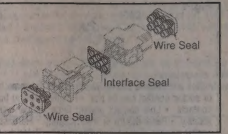
A

Splash Proof Seals

Fig.	No. of Circuits	Interface Seal Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.	Wire Seal Digi-Key Part No.	Price Each 1	Price Each 100	AMP Part No.
10	2	A25390-ND	.25	.21	794269-1	A25397-ND	.33	.27	794270-1
	3	A25391-ND	.35	.29	794271-1	A25398-ND	.46	.37	794272-1
	4	A25392-ND	.63	.52	794273-1	A25399-ND	.93	.76	794274-1
	6	A25393-ND	.52	.42	794275-1	A25400-ND	.76	.62	794276-1
	9	A25394-ND	.84	.68	794277-1	A25401-ND	1.18	.96	794278-1
	12	A25395-ND	1.16	.95	794279-1	A25402-ND	2.15	1.75	794280-1
	15	A25396-ND	1.95	1.59	794281-1	A25403-ND	2.80	2.27	794282-1
Keying Plug, Nylon, UL94V-0						A25156-ND	5.38	10	770377-1

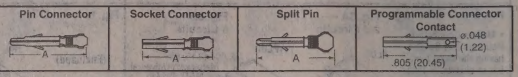
Fig. 10

• Economical splash proof and immersible sealed connector system • One interface seal and two wire seals required per mated assembly **Material:** Silicone rubber, blue color



Contacts

Contact Plating: A: Phosphor bronze pre-tin plated **B:** Brass pre-tin plated **C:** Gold Finish: Plated with .000030" (.000762mm) min. gold in mating area and inside wire barrel over .000050" (.00127mm) min. nickel underplate on entire contact **D:** Select Gold Finish: Plated with .000030" (.000762mm) min. gold in mating area over .000050" (.00127mm) min. nickel underplate on entire contact



Wire Size (AWG)	Ins. Dia. Inch (mm)	Material	Plating	Dim. A Inch (mm)	Digi-Key Part No.	Loose Piece Pricing 10	Loose Piece Pricing 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	Cut Strip Pricing 1,000	Digi-Key Part No.	Strip Tape & Reel Size	Strip Tape & Reel Pricing	AMP Part No.
Pin Contacts																
30-26	.032 - .057 (.813-1.45)	Brass	B	.790 (20.06)	A26405-ND	1.47	9.91	770672-1	A25405CT-ND	—	—	91.40	A25405TR-ND	8,000	54.84/M	350924-1
		Phos. Brz.	C		A25353-ND	14.70	98.91	770672-6	—	—	—	—	—	—	—	—
24-18	.040 - .100 (1.02-2.54)	Brass	B	.790 (20.06)	A14298-ND	1.12	7.54	350690-1	—	—	—	—	—	—	—	—
		Brass	C		A14299-ND	9.36	62.95	350690-2	A14299CT-ND	—	—	658.68	A14299TR-ND	7,000	395.21/M	350561-2
		Brass	D		A25359-ND	5.70	38.33	350690-7	A25359CT-ND	—	—	325.95	A25359TR-ND	7,000	195.57/M	350561-7
		Phos. Brz.	A		A25362-ND	1.45	9.78	350690-3	A25362CT-ND	—	—	68.48	A25362TR-ND	7,000	41.09/M	350561-3
20-14	.060 - .130 (1.52-3.30)	Brass	B	.790 (20.06)	A14300-ND§	1.10	7.37	350547-1	—	—	—	—	—	—	—	—
		Brass	C		A14301-ND§	9.28	62.45	350547-2	A14301CT-ND§	—	—	658.68	A14301TR-ND§	5,000	395.21/M	350218-2
		Brass	D		A25341-ND§	5.71	38.40	350547-7	—	—	—	—	—	—	—	—
		Phos. Brz.	A		A25343-ND§	1.49	10.00	350547-3	—	—	—	—	—	—	—	—
		Phos. Brz.	D		A25346-ND§	11.30	76.00	350547-6	A25346CT-ND§	—	—	497.15	A25346TR-ND§	5,000	298.29/M	350218-6
	.130 - .200 (3.30-5.08)	Brass	B	.810 (20.57)	A14303-ND	1.38	9.26	350552-1	—	—	—	—	—	—	—	—
		Brass	C		A25368-ND	9.08	61.06	350552-2	A25368CT-ND	—	377.49	686.35	A25368TR-ND	2,500	549.08/M	350538-2
		Brass	D		A25371-ND	7.86	49.64	350552-7	A25371CT-ND	—	249.14	452.98	A25371TR-ND	2,500	362.38/M	350538-7
		Phos. Brz.	A		A25374-ND	2.03	13.67	350552-3	A25374CT-ND	—	57.61	104.75	A25374TR-ND	2,500	83.80/M	350538-3
		Phos. Brz.	D		A25408-ND	13.74	92.44	350552-6	A25408CT-ND	—	355.40	646.18	A25408TR-ND	2,500	516.94/M	350538-6
22-18	.060 - .094 (1.50-2.40)	Brass	B	.634 (16.10)	—	—	—	—	A32600CT-ND◆	9.70	41.25	61.41	A32600TR-ND◆	7,000	47.24/M	794440-1
18-14	.130 - .200 (3.30-5.08)	Brass	B	.810 (20.57)	—	—	—	—	A25378CT-ND	7.60	32.32	57.48	A25378TR-ND	2,500	49.34/M	350873-1
		Phos. Brz.	A		A25380-ND	1.90	12.77	350918-3	—	—	—	—	—	—	—	—
16	.130 max. (3.3)	Brass	B	.634 (16.10)	—	—	—	—	A32599CT-ND◆	9.70	41.25	61.41	A32599TR-ND◆	7,000	47.24/M	1586537-1
12-10	.200 max. (5.08)	Phos. Brz.	A	.810 (20.57)	A25382-ND†	3.05	20.51	640309-3	—	—	—	—	—	—	—	—
			D		A25386-ND†	13.69	92.08	640309-6	A25386CT-ND†	—	—	740.90	A25386TR-ND†	3,000	592.72/M	350922-6
Socket Contacts																
30-26	.032 - .057 (.813-1.45)	Brass	B	.760 (19.30)	A25352-ND	1.67	11.20	770673-1	A25352CT-ND	—	—	63.60	A25352TR-ND	8,000	38.16/M	350925-1
24-18	.040 - .100 (1.02-2.54)	Brass	B	.760 (19.30)	A1437-ND*	1.19	8.00	350689-1	—	—	—	—	—	—	—	—
		Brass	C		A25357-ND	9.20	61.89	640347-2	A25357CT-ND	—	371.50	675.45	A25357TR-ND	7,500	405.28/M	350851-2
		Brass	C		A1439-ND*	9.59	64.49	350689-2	A1439CT-ND*	—	352.94	641.70	A1439TR-ND*	7,500	385.02/M	350570-2
		Brass	D		A25360-ND*	5.78	38.85	350689-7	A25360CT-ND*	—	181.38	329.78	A25360TR-ND*	7,500	197.87/M	350851-7
		Phos. Brz.	A		A25363-ND*	1.47	9.87	350689-3	A25363CT-ND*	—	35.82	65.13	A25363TR-ND*	7,500	39.08/M	350570-3
		Phos. Brz.	D		—	—	—	—	A25364CT-ND*	63.16	268.63	399.87	A25364TR-ND*	7,500	307.60/M	350570-6
20-14	.060 - .130 (1.52-3.30)	Brass	B	.760 (19.30)	A1441-ND§	1.05	7.07	350550-1	—	—	—	—	—	—	—	—
		Brass	C		A1442-ND§	9.46	63.67	350550-2	A1443CT-ND§	—	—	626.33	A1443TR-ND§	5,000	375.80/M	350536-2
		Brass	D		A25342-ND§	5.71	38.40	350550-7	—	—	—	—	—	—	—	—
		Phos. Brz.	A		A25344-ND§	1.42	9.53	350550-3	—	—	—	—	—	—	—	—
		Phos. Brz.	D		A25347-ND§	9.93	66.77	350550-6	A25347CT-ND§	—	—	524.73	A25347TR-ND§	5,000	314.84/M	350536-6
	.130 - .200 (3.30-5.08)	Brass	B	.780 (19.81)	A14302-ND	1.56	10.47	350551-1	—	—	—	—	—	—	—	—
		Brass	C		A25369-ND	10.14	68.23	350551-2	A25369CT-ND	—	431.23	784.05	A25369TR-ND	2,500	627.24/M	350537-2
		Brass	D		A25372-ND	7.49	50.36	350551-7	A25372CT-ND	—	244.49	444.53	A25372TR-ND	2,500	355.62/M	350537-7
		Phos. Brz.	A		A25375-ND	2.03	13.67	350551-3	A25375CT-ND	—	53.68	97.60	A25375TR-ND	2,500	78.08/M	350537-3
		Phos. Brz.	D		A25409-ND	13.85	93.16	350551-6	A25409CT-ND	—	269.12	489.30	A25409TR-ND	2,500	391.44/M	350537-6
22-18	.060 - .094 (1.50-2.40)	Brass	B	.572 (14.53)	—	—	—	—	A32602CT-ND◆	9.88	42.02	62.56	A32602TR-ND◆	7,000	48.12/M	794831-1
18-14	.130 - .200 (3.30-5.08)	Brass	B	.780 (19.81)	—	—	—	—	A25379CT-ND	7.60	32.32	53.04	A25379TR-ND	2,500	49.34/M	350874-1
		Phos. Brz.	A		A25381-ND	1.90	12.77	350919-3	—	—	—	—	—	—	—	—
16	.130 max. (3.3)	Brass	B	.572 (14.53)	—	—	—	—	A32601CT-ND◆	9.88	42.02	62.56	A32601TR-ND◆	7,000	48.12/M	1586538-1
12-10	.200 max. (5.08)	Phos. Brz.	A	.780 (19.81)	A25383-ND†	3.05	20.51	640310-3	—	—	—	—	—	—	—	—
			D		A25387-ND†	13.88	93.35	640310-6	A25387CT-ND†	—	413.11	751.10	A25387TR-ND†	2,500	600.88/M	350923-6
Split Pin Contacts																
24-18	.040 - .100 (1.02-2.54)	Brass	B	.790 (20.06)	A1436-ND	1.19	8.03	350706-1	—	—	—	—	—	—	—	—
		Brass	C		A1438-ND	8.92	60.00	350706-2	A1438CT-ND	—	—	710.25	A1438TR-ND	7,000	426.15/M	350699-2
			D		A25334-ND	6.49	43.68	350706-7	A25334CT-ND	—	—	341.93	A25334TR-ND	7,000	205.16/M	350699-7
20-14	.060 - .130 (1.52-3.30)	Brass	B	.790 (20.06)	A1440-ND§	1.19	8.00	350705-1	—	—	—	—	—	—	—	—
			C		A1442-ND§	8.92	60.00	350705-2	—	—	—	—	—	—	—	—
			D		A25336-ND§	6.49	43.68	350705-7	A25336CT-ND§	—	—	363.25	A25336TR-ND§	5,000	217.95/M	350687-7
	.130 - .200 (3.30-5.08)	Brass	B	.810 (20.57)	A25335-ND	1.60	10.77	350707-1	A25338CT-ND	—	35.38	64.33	A25338TR-ND	2,500	51.46/M	350700-1
			C		A25694-ND	8.98	60.38	350707-2	—	—	—	—	—	—	—	—
			D		A25730-ND	7.85	52.81	350707-7	—	—	—	—	—	—	—	—
Grounding Pin																
20-14	.060 - .130 (1.52-3.30)	Brass	B	—	A25339-ND§	1.56	10.47	350669-1	—	—	—	—	—	—	—	—
Keying Plug																
Keying Plug, UL94V-0 Nylon					A25156-ND	5.38	47.89	770377-1	—	—	—	—	—	—	—	—
Programmable Connector Contact																
Socket w/110 Series Special FASTON Tab, Brass - Pre-Tin					A25340-ND	3.47	23.31	350877-1	—	—	—	—	—	—	—	—

† There is no insulation barrel on this contact. Insulation maximum diameter is limited by the housing. Use of strain relief is recommended with these contacts. * Socket Contact - .010 (.254) stock thickness. § Can be used with Splash Proof Seals
◆ ***NEW! RoHS Compliant***

Tools and Die Sets

A25206-ND (58382-1)	Latch Disengaging Tool	**$62.67**
A9998-ND (91002-1)	Contact Insertion Tool	**$18.63**
A9907-ND (91500-1)	Universal Mate-N-Lok Crimp Tool for 20-14AWG	**$471.23**
A9996-ND (354940-1)	PRO-CRIMPER II Hand Tool without Dies	**$66.00**
A9944-ND (90548-2)	PRO-CRIMPER II Die Set for 24-18AWG	**$100.50**
A9943-ND (90546-2)	PRO-CRIMPER II Die Set for 20-14AWG (.060"-.130" Insulation Diameter)	**$100.50**
A9924-ND (90547-2)	PRO-CRIMPER II Die Set for 20-14AWG (.130"-.200" Insulation Diameter)	**$100.50**
A9923-ND (58530-2)	PRO-CRIMPER II Die Set for 12-10AWG	**$128.78**
A9947-ND (91510-1)	CERTI-CRIMP Hand tool with Die for 24-18AWG	**$468.14**
A9945-ND (91508-1)	CERTI-CRIMP Hand Tool with Die for 20-18AWG	**$519.12**
A9946-ND (91506-1)	CERTI-CRIMP Hand Tool with Die for 16-14AWG	**$471.23**
A28006-ND (58710-1)	CERTI-CRIMP Hand Tool without Die	**$358.50**
A25340-ND (58380-1)	CERTI-CRIMP Die Set for 12AWG	**$534.57**
A25350-ND (58380-2)	CERTI-CRIMP Die Set for 10AWG	**$553.11**
A25159-ND (90548-1)	PRO-CRIMPER with Die for 24-18AWG	**$133.50**
A25160-ND (90546-1)	PRO-CRIMPER with Die for 20-14AWG (.060"-.130" Insulation Diameter)	**$133.50**
A25161-ND (90547-1)	PRO-CRIMPER with Die for 20-14AWG (.130"-.200" Insulation Diameter)	**$133.50**

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929 Series: • Material: Glass filled polyester (PBT) • Flammability: 94V-0 • Color: Black • Contact Material: Copper Alloy • Withstanding Voltage: 1000Vrms • Temperature Rating: -40°C – 100°C • UL File No. E68080
Plating Options: • 10µ" gold, 200µ" matte tin or 100µ" tin-lead

Fig. 1 – Straight, Single Row Male

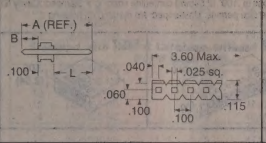


Fig. 2 – Straight, Dual Row Male (.1" x .1" Matrix)

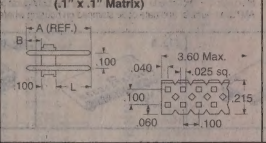


Fig. 3 – Right Angle, Single Row Male

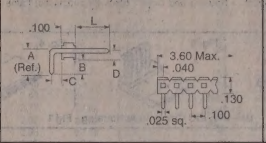


Fig. 4 – Right Angle, Dual Row Male (.1" x .1" Matrix)

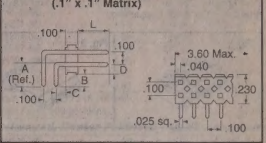


Fig. 5 – Right Angle, Single Row Polarized Male (36 Positions)

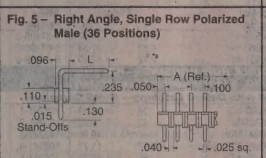


Fig. 6 – Straight, Single Row Female

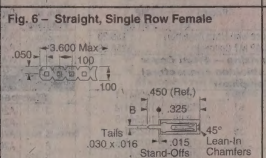


Fig. 7 – Straight, Dual Row Female (.1" x .1" Matrix)

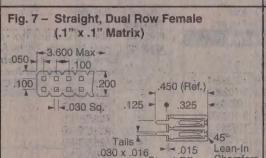
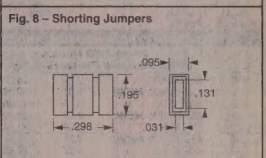


Fig. 8 – Shorting Jumpers



36 Pin Headers

Fig.	Plating	No. of Pins	L	A(ref)	B	C	D	Digi-Key Part No.	Price Each 1	10	100
								Straight, Single Row Male			
1	Solder	36	.235	.545	.210	—	—	929834-02-36-ND	1.80	1.61	1.33
	Tin		.235	.545	.210	—	—	929834E-02-36-ND† **NEW!**	1.80	1.61	1.33
	Solder		.235	.745	.410	—	—	929834-03-36-ND	2.17	1.94	1.60
	Tin		.235	.745	.410	—	—	929834E-03-36-ND† **NEW!**	2.17	1.94	1.60
	Solder		.235	.845	.510	—	—	929834-04-36-ND	2.39	2.15	1.77
	Tin		.235	.845	.510	—	—	929834E-04-36-ND† **NEW!**	2.39	2.15	1.77
	Solder		.235	.945	.610	—	—	929834-05-36-ND	2.42	2.17	1.79
	Tin		.235	.945	.610	—	—	929834E-05-36-ND† **NEW!**	2.42	2.17	1.79
	Solder		.235	1.245	.910	—	—	929834-07-36-ND	2.76	2.48	2.04
	Gold		.235	.480	.145	—	—	929647-09-36-ND	3.05	2.73	2.25
			.235	.545	.210	—	—	929647-02-36-ND	3.31	2.96	2.44
			.235	.745	.410	—	—	929647-03-36-ND	4.10	3.68	3.03
			.235	.845	.510	—	—	929647-04-36-ND	5.27	4.72	3.89
			.235	.945	.610	—	—	929647-05-36-ND	4.87	4.37	3.60
			.235	1.245	.910	—	—	929647-07-36-ND	5.67	5.08	4.18
	Solder	36	.295	.535	.130	—	—	929400-01-36-ND	1.80	1.61	1.33
	Tin	36	.295	.535	.130	—	—	929400E-01-36-ND† **NEW!**	1.80	1.61	1.33
	Gold	36	.295	.535	.130	—	—	929450-01-36-ND	3.19	2.86	2.36
								Straight, Dual Row Male			
2	Solder	72	.235	.480	.145	—	—	929836-09-36-ND	3.39	3.04	2.50
	Tin		.235	.480	.145	—	—	929836E-09-36-ND† **NEW!**	3.39	3.04	2.50
	Solder		.235	.545	.210	—	—	929836-02-36-ND	2.94	2.63	2.17
	Tin		.235	.545	.210	—	—	929836E-02-36-ND† **NEW!**	2.94	2.63	2.17
	Solder		.235	.645	.310	—	—	929836-08-36-ND	3.79	3.40	2.80
	Tin		.235	.645	.310	—	—	929836E-08-36-ND† **NEW!**	3.79	3.40	2.80
	Tin		.235	.745	.410	—	—	929836E-03-36-ND† **NEW!**	3.51	3.14	2.59
	Solder		.235	.845	.510	—	—	929836-04-36-ND	3.88	3.47	2.86
	Tin		.235	.845	.510	—	—	929836E-04-36-ND† **NEW!**	3.88	3.47	2.86
	Solder		.235	.945	.610	—	—	929836-05-36-ND	3.68	3.29	2.71
	Tin		.235	.945	.610	—	—	929836E-05-36-ND† **NEW!**	3.68	3.29	2.71
	Gold	72	.235	.480	.145	—	—	929665-09-36-ND	4.93	4.42	3.64
			.235	.545	.210	—	—	929665-02-36-ND	5.36	4.80	3.95
			.235	.645	.310	—	—	929665-08-36-ND	5.79	5.18	4.27
			.235	.745	.410	—	—	929665-03-36-ND	6.61	5.92	4.88
			.235	.845	.510	—	—	929665-04-36-ND	8.49	7.60	6.26
			.235	.945	.610	—	—	929665-05-36-ND	9.15	8.19	6.75
	Solder	72	.318	.593	.175	—	—	929710-10-36-ND	3.08	2.76	2.27
	Tin		.318	.593	.175	—	—	929710E-10-36-ND† **NEW!**	3.08	2.76	2.27
	Solder		.318	.828	.410	—	—	929710-03-36-ND	4.39	3.93	3.24
	Tin		.318	.828	.410	—	—	929710E-03-36-ND† **NEW!**	4.39	3.93	3.24
	Gold	72	.318	.593	.175	—	—	929715-10-36-ND	5.64	5.05	4.16
			.318	.828	.410	—	—	929715-03-36-ND	7.35	6.58	5.42
								Right Angle, Single Row Male			
3	Solder	36	.235	.185	.110	.070	.075	929835-01-36-ND	1.82	1.64	1.35
	Tin		.235	.185	.110	.070	.075	929835E-01-36-ND† **NEW!**	1.82	1.64	1.35
								Right Angle, Dual Row Male			
4	Solder	72	.235	.220	.145	.070	.075	929838-04-36-ND	3.76	3.37	2.78
	Tin		.235	.220	.145	.070	.075	929838E-04-36-ND† **NEW!**	3.76	3.37	2.78
	Solder		.235	.480	.405	.070	.075	929838-02-36-ND	3.79	3.40	2.80
	Tin		.235	.480	.405	.070	.075	929838E-02-36-ND† **NEW!**	3.79	3.40	2.80
	Gold	72	.235	.220	.145	.070	.075	929667-04-36-ND	7.07	6.33	5.21
			.235	.480	.405	.070	.075	929667-02-36-ND	8.49	7.60	6.26
								Right Angle, Single Row Polarized Male			
5	Solder	36	.295	3.600	—	—	—	929500-01-36-ND	2.00	1.79	1.47
	Tin		.295	3.600	—	—	—	929500E-01-36-ND† **NEW!**	2.00	1.79	1.47
	Gold	36	.295	3.600	—	—	—	929550-01-36-ND	3.96	3.55	2.92
			.295	3.800	—	—	—	929550E-01-36-ND† **NEW!**	3.96	3.55	2.92
								Straight, Single Row Female			
6	Solder	36	—	—	.125	—	—	929974-01-36-ND	2.57	2.30	1.89
	Tin		—	—	.125	—	—	929974E-01-36-ND† **NEW!**	2.57	2.30	1.89
	Gold		—	—	.125	—	—	929850-01-36-ND	3.31	2.96	2.44
	Tin		—	—	.125	—	—	929850E-01-36-ND† **NEW!**	3.31	2.96	2.44
								Straight, Dual Row Female			
7	Solder	72	—	—	—	—	—	929975-01-36-ND	4.45	3.98	3.28
	Tin		—	—	—	—	—	929975E-01-36-ND† **NEW!**	4.45	3.98	3.28
	Gold		—	—	—	—	—	929852-01-36-ND	6.33	5.67	4.67
	Tin		—	—	—	—	—	929852E-01-36-ND† **NEW!**	6.33	5.67	4.67
								Shorting Jumpers			
8	Solder Plated							929950-00-ND		2.29/10	
	10µ Gold Plated							929955-06-ND		2.70/10	
	30µ Gold Plated							929957-08-ND		3.12/10	

† *RoHS Compliant*

1-35 Pin Headers

Step 1 Digi-Key Part No.*	Step 2 Base Price	Step 3 Pin Adder
Straight, Single Row Male		
929834-02-XX-ND	.51	.04
929834E-02-XX-ND	.51	.04
929834-03-XX-ND	.90	.04
929834E-03-XX-ND	.90	.04
929834-04-XX-ND	.78	.05
929834E-04-XX-ND	.78	.05
929834-05-XX-ND	.82	.05
929834E-05-XX-ND	.82	.05
929834-07-XX-ND	.83	.06
929647-09-XX-ND	1.13	.06
929647-02-XX-ND	1.06	.07
929647-03-XX-ND	1.55	.08
929647-04-XX-ND	1.74	.11
929647-05-XX-ND	1.66	.10
929647-07-XX-ND	2.16	.11
929400-01-XX-ND	.51	.04
929400E-01-XX-ND	.51	.04
929450-01-XX-ND	1.28	.06
Straight, Dual Row Male		
929836-09-XX-ND	1.49	.06
929836E-09-XX-ND	1.49	.06
929836-02-XX-ND	1.37	.05
929836E-02-XX-ND	1.37	.05
929836-08-XX-ND	1.57	.07
929836E-08-XX-ND	1.57	.07
929836E-03-XX-ND	1.27	.07
929836-04-XX-ND	1.66	.07
929836E-04-XX-ND	1.66	.07
929836-05-XX-ND	1.45	.07
929836E-05-XX-ND	1.45	.07
929665-09-XX-ND	1.73	.10
929665-02-XX-ND	2.18	.10
929665-08-XX-ND	2.29	.11
929665-03-XX-ND	2.46	.13
929665-04-XX-ND	3.05	.17
929665-05-XX-ND	3.40	.18
929710-10-XX-ND	1.16	.06
929710E-10-XX-ND	1.16	.06
929710-03-XX-ND	1.85	.08
929710E-03-XX-ND	1.85	.08
929715-10-XX-ND	2.13	.11
929715-03-XX-ND	2.89	.14
Right Angle, Single Row Male		
929835-01-XX-ND	.53	.04
929835E-01-XX-ND	.53	.04
Right Angle, Dual Row Male		
929838-04-XX-ND	1.54	.07
929838E-04-XX-ND	1.54	.07
929838-02-XX-ND	1.57	.07
929838E-02-XX-ND	1.57	.07
929667-04-XX-ND	2.59	.14
929667-02-XX-ND	3.05	.17
Right Angle, Single Row Polarized Male		
929500-01-XX-ND	.72	.04
929500E-01-XX-ND	.72	.04
929550-01-XX-ND	1.40	.08
929550E-01-XX-ND	1.40	.08
Straight, Single Row Female		
929974-01-XX-ND	.97	.05
929974E-01-XX-ND	.97	.05
929850-01-XX-ND	1.06	.07
929850E-01-XX-ND	1.06	.07
Straight, Dual Row Female		
929975-01-XX-ND	1.57	.09
929975E-01-XX-ND	1.57	.09
929852-01-XX-ND	2.51	.12
929852E-01-XX-ND	2.51	.12

* Replace XX in the Digi-Key part number with your desired number of pins per row.

HOW TO ORDER: 4 EASY STEPS

How do I order a 929834-02 header with 16 pins?

Call Digi-Key where you'll happily receive the price, or Determine the cost yourself.

929 □□□-□□-□□-ND

Base Part Number — Number of Desired Pins per Row

Step 1. Select needed Digi-Key Part Number and number of pins desired.

Step 2. Begin with the appropriate "Base Price" of your selected part number (refer to chart).

Step 3. Multiply the number of pins you desire by the "Pin Adder" of your selected part number (refer to chart).

Step 4. Add Step 2 and Step 3 together for final cost!

Our Example:

Step 1. 929834-02-16-ND
Step 2. .51
Step 3. 16 x .04 = .64
Step 4. Your Cost = $1.15

Your Digi-Key Part Number:

Step 1. 929□□□-□□-□□-ND
Step 2. ____ x ____ = _____
Step 3. _____
Step 4. Your Cost = $

NOTE: **For quantities of 10 or more, call DIGI-KEY.**

AMPMODU MT Connectors

IDC CRIMP TYPE CONNECTOR/COVER FEATURES: • Receptacle connectors .100" (2.54mm) centers • Housings preloaded with standard and high pressure contacts • Insulation Diameter: .050" (1.27mm) • Mating Post Length: .222" to .273" (5.64mm to 6.94mm) maximum • Housing and Cover: Black thermoplastic, flame retardant • Contacts: Copper alloy

RECEPTACLE HOUSING FEATURES: • Choice of three contact mating pressures • Receptacles mate with .025" (.64mm) square or round posts • Capable of connecting up to 100 wires simultaneously • Black thermoplastic or glass-filled nylon • Available in single and double row configurations in .100" (2.54mm) centerline spacing • Stamped: Cavity ID, AMP part number and date code stamped on housing where size permits. Unstamped: No marking on housing

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Use with IDC Crimp Type Housing - Fig 1

Fig. 5

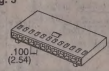
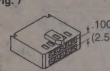


Fig. 6

Fig. 7



No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
IDC CRIMP TYPE — HOUSING AND COVERS				
26-30 AWG Housing With Standard Contacts — Fig. 1				
6	A25789-ND	2.44	55.20	102393-1
6	A33380-NDØ *NEW!*	2.31	52.20	5-102393-1
8	A25790-ND	3.13	70.80	102393-2
8	A33381-NDØ *NEW!*	2.92	66.00	5-102393-2
10	A25791-ND	3.60	81.60	102393-3
10	A33382-NDØ *NEW!*	3.39	76.80	5-102393-3
12	A25793-ND	4.32	97.80	102393-4
14	A25795-ND	4.98	112.80	102393-5
16	A25797-ND	6.68	151.20	102393-6
16	A33383-NDØ *NEW!*	6.25	141.50	5-102393-6
18	A25799-ND	9.09	205.80	102393-7
20	A25801-ND	7.08	160.20	102393-8
20	A33384-NDØ *NEW!*	6.63	150.00	5-102393-8
24	A28321-ND	8.61	195.00	1-102393-0
26	A28697-ND	7.37	166.80	1-102393-1
26	A33385-NDØ *NEW!*	6.92	156.60	6-102393-1
28	A28700-ND	14.15	320.40	1-102393-2
30	A28702-ND	10.73	243.00	1-102393-3
30	A33386-NDØ *NEW!*	10.04	227.40	6-102393-3
34	A28705-ND	12.11	274.20	1-102393-5
40	A28706-ND	10.65	241.20	1-102393-8
40	A33387-NDØ *NEW!*	9.96	225.60	6-102393-8
50	A28708-ND	12.91	292.20	2-102393-3
50	A33418-NDØ *NEW!*	12.08	273.60	7-102393-3
60	A28710-ND	15.21	344.40	2-102393-8
22-26 AWG Housing With Standard Contacts — Fig. 1				
6	A3047-ND	2.65	60.00	102398-1
6	A33388-NDØ *NEW!*	2.49	56.40	5-102398-1
8	A3048-ND	3.31	75.00	102398-2
8	A33389-NDØ *NEW!*	3.10	70.20	5-102398-2
10	A3049-ND	3.60	81.60	102398-3
10	A33390-NDØ *NEW!*	3.39	76.80	5-102398-3
12	A3050-ND	4.32	97.80	102398-4
12	A33391-NDØ *NEW!*	4.03	91.20	5-102398-4
14	A3051-ND	4.98	112.80	102398-5
14	A33392-NDØ *NEW!*	4.66	105.60	5-102398-5
16	A3052-ND	5.11	115.80	102398-6
16	A33393-NDØ *NEW!*	4.77	108.00	5-102398-6
18	A3053-ND	5.25	118.80	102398-7
18	A33394-NDØ *NEW!*	4.90	111.00	5-102398-7
20	A3054-ND	7.08	160.20	102398-8
20	A33395-NDØ *NEW!*	6.44	145.80	5-102398-8
24	A3055-ND	8.61	195.00	1-102398-0
24	A33396-NDØ *NEW!*	8.06	182.40	6-102398-0
26	A28698-ND	6.68	151.20	1-102398-1
26	A33397-NDØ *NEW!*	6.07	137.40	6-102398-1
28	A28701-ND	9.99	226.20	1-102398-2
28	A33398-NDØ *NEW!*	9.35	211.80	6-102398-2
30	A28703-ND	10.73	243.00	1-102398-3
30	A33399-NDØ *NEW!*	10.04	227.40	6-102398-3
34	A3057-ND	12.11	274.20	1-102398-5
34	A33400-NDØ *NEW!*	11.32	256.20	6-102398-5
40	A3058-ND	10.65	241.20	1-102398-8
40	A33401-NDØ *NEW!*	9.96	225.60	6-102398-8
50	A3059-ND	12.91	292.20	2-102398-3
50	A33402-NDØ *NEW!*	12.08	273.60	7-102398-3
60	A3060-ND	15.21	344.40	2-102398-8
60	A33403-NDØ *NEW!*	14.26	322.80	7-102398-8
64	A3061-ND	22.84	517.20	3-102398-0
22-26 AWG Housing With High Pressure Contacts — Fig. 1				
6	A28701-ND	2.65	60.00	102694-1
6	A33404-NDØ *NEW!*	2.49	56.40	5-102694-1
8	A28712-ND	3.13	70.80	102694-2
8	A33405-NDØ *NEW!*	2.92	66.00	5-102694-2
10	A28713-ND	4.32	97.80	102694-3
10	A33406-NDØ *NEW!*	4.03	91.20	5-102694-3
12	A28714-ND	4.32	97.80	102694-4
12	A33407-NDØ *NEW!*	4.03	91.20	5-102694-4
14	A28715-ND	7.02	159.00	102694-5
14	A33408-NDØ *NEW!*	6.57	148.80	5-102694-5
16	A28716-ND	5.75	130.20	102694-6
16	A28717-ND	7.08	160.20	102694-8
20-22 AWG Housing With Standard Contacts — Fig. 1				
10	A25792-ND	3.60	81.60	102448-3
10	A33409-NDØ *NEW!*	3.39	76.80	5-102448-3
12	A25794-ND	4.32	97.80	102448-4
14	A25796-ND	4.98	112.80	102448-5 ◊
14	A33410-NDØ *NEW!*	4.66	105.60	5-102448-5
16	A25798-ND	5.75	130.20	102448-6
18	A25800-ND	6.41	145.20	102448-7
18	A33412-NDØ *NEW!*	6.02	136.20	5-102448-7
20	A25762-ND	7.08	160.20	102448-8
20	A33413-NDØ *NEW!*	6.63	150.00	5-102448-8
24	A28696-ND	8.61	195.00	1-102448-0
24	A33414-NDØ *NEW!*	8.06	182.40	5-102448-0
26	A28699-ND	7.37	166.80	1-102448-1
26	A33415-NDØ *NEW!*	6.92	156.60	6-102448-1
30	A28704-ND	10.73	243.00	1-102448-3
40	A28707-ND	13.86	313.80	1-102448-8
40	A33417-NDØ *NEW!*	12.59	285.00	6-102448-8
50	A28709-ND	12.91	292.20	2-102448-3
50	A33419-NDØ *NEW!*	12.08	273.60	7-102448-3

No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
A2031-ND	Manual Pistol Grip Tool - use with Head Assembly $58.28			
A2040-ND	Head Assembly Tool for AMP MT Connector $258.30			
Low Profile Non-Polarizing — Front Cover Fig. 2 (designed for shielded connectors) RoHS Compliant				
6	A28719-ND	.35	8.00	102541-1
8	A28720-ND	.61	13.91	102541-2
10	A28721-ND	.35	8.00	102541-3
12	A28722-ND	.59	13.28	102541-4
14	A28723-ND	.60	13.51	102541-5
16	A28724-ND	.45	10.10	102541-6
18	A28725-ND	1.45	32.85	102541-7
20	A28726-ND	1.38	31.15	102541-8
24	A28727-ND	.67	15.14	1-102541-0
26	A28728-ND	1.02	23.14	1-102541-1
28	A28729-ND	1.20	27.15	1-102541-2
30	A28730-ND	.84	18.93	1-102541-3
34	A28731-ND	1.05	23.69	1-102541-5
40	A28732-ND	2.00	45.18	1-102541-8
50	A29145-ND	1.53	34.59	2-102541-3
60	A28733-ND	2.22	50.33	2-102541-8
64	A28734-ND	2.52	56.95	3-102541-0
Shielding & Non-Shielding - Black Cover — Fig. 3 RoHS Compliant				
6	A28735-ND	.35	8.00	102536-1
8	A28736-ND	.99	22.43	102536-2
10	A28737-ND	.39	8.90	102536-3
12	A28738-ND	1.00	22.64	102536-4
14	A28739-ND	1.00	22.74	102536-5
16	A28740-ND	1.08	24.44	102536-6
18	A28741-ND	1.00	22.72	102536-7
20	A28742-ND	.56	12.62	102536-8
26	A28744-ND	.72	16.41	1-102536-1
28	A28745-ND	1.20	27.14	1-102536-2
30	A28746-ND	1.22	27.65	1-102536-3
34	A28747-ND	1.28	28.88	1-102536-5
40	A28748-ND	1.84	41.73	1-102536-8
50	A28749-ND	1.97	44.69	2-102536-3
60	A28750-ND	2.10	47.64	2-102536-8
64	A28751-ND	2.16	48.82	3-102536-0
Standard Profile Covers — Fig. 4 (2 required per connector) — RoHS Compliant				
6	A3062-ND	2.30/2	52.03/50	102396-1
8	A3063-ND	2.70/2	61.16/50	102396-2
10	A3064-ND	1.36/2	30.87/50	102396-3
12	A3065-ND	2.05/2	46.47/50	102396-4
14	A3066-ND	5.10/2	115.51/50	102396-5
16	A3067-ND	2.05/2	46.43/50	102396-6
18	A3068-ND	1.27/2	28.82/50	102396-7
20	A3069-ND	3.91/2	88.60/50	102396-8
24	A3070-ND	4.36/2	98.75/50	1-102396-0
26	A28752-ND	3.20/2	72.36/50	1-102396-1
30	A28753-ND	2.36/2	53.39/50	1-102396-3
34	A3072-ND	2.68/2	60.58/50	1-102396-5
40	A3073-ND	3.14/2	71.19/50	1-102396-8
50	A3074-ND	5.57/2	126.21/50	2-102396-3
64	A3076-ND	3.57/2	80.77/50	3-102396-0
Keying Plug	A3077-ND	1.95/10	8.83/50	86286-1
SINGLE ROW HOUSING — NON-POLARIZED FIG. 5 (order contacts separately) Stamped— RoHS Compliant				
2	A3011-ND	1.13	25.56	87499-3
3	A3012-ND	.80	18.10	87499-5
4	A3013-ND	.71	15.97	87499-7
5	A3014-ND	.56	12.78	87499-9
6	A3015-ND	.71	15.97	1-87499-1
7	A3016-ND	.94	21.30	87499-1
8	A3017-ND	.78	17.71	1-87499-3
9	A3018-ND	.99	22.36	1-87499-5
10	A3019-ND	.89	20.23	1-87499-7
11	A3020-ND	2.12	47.92	1-87499-9
12	A3021-ND	.94	21.30	2-87499-1
13	A3022-ND	1.27	28.75	2-87499-3
14	A3023-ND	1.13	25.56	2-87499-5
15	A3024-ND	1.18	26.62	2-87499-7
16	A3025-ND	1.22	27.68	2-87499-9
20	A3029-ND	1.46	33.01	3-87499-7
Unstamped— RoHS Compliant				
1	A26962-ND	.38	8.52	7-87499-2
2	A26963-ND	.42	9.58	87499-4
3	A26964-ND	.47	10.65	87499-6
4	A26965-ND	.52	11.71	87499-8
5	A26966-ND	.56	12.78	1-87499-0
6	A26967-ND	.61	13.84	1-87499-2
7	A26968-ND	.75	17.04	87499-2
8	A26969-ND	.75	17.04	1-87499-4
9	A26970-ND	.85	19.17	1-87499-6
10	A26971-ND	.85	19.17	1-87499-8
11	A26972-ND	1.88	42.59	2-87499-0
13	A26974-ND	1.08	24.49	2-87499-4
14	A26975-ND	1.03	23.43	2-87499-6
15	A26976-ND	1.13	25.56	2-87499-8
16	A26977-ND	2.49	56.43	3-87499-0
18	A3027-ND	1.27	28.75	3-87499-4
20	A26978-ND	1.36	30.88	3-87499-8

No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
22	A26979-ND	1.50	34.07	4-87499-2
26	A26980-ND	1.83	41.53	5-87499-0
30	A26981-ND	2.12	47.92	5-87499-8
SINGLE ROW HOUSING — POLARIZED FIG. 5 (order contacts separately) Stamped with Detent Latching— RoHS Compliant				
3	A26982-ND	.38	8.52	102241-1
4	A26983-ND	.42	9.58	102241-2
5	A26984-ND	.47	10.65	102241-3
6	A26985-ND	.52	11.71	102241-4
7	A26986-ND	.56	12.78	102241-5
8	A26987-ND	.61	13.84	102241-6
9	A26988-ND	.66	14.91	102241-7
10	A26989-ND	.75	17.04	102241-8
12	A26990-ND	.85	19.17	1-102241-0
14	A26991-ND	.94	21.30	1-102241-2
15	A26992-ND	1.08	24.49	1-102241-3
16	A26993-ND	1.32	29.82	1-102241-4
18	A26994-ND	1.36	30.88	1-102241-6
20	A26995-ND	1.35	30.60	1-102241-8
22	A26996-ND	1.46	33.01	2-102241-0
DOUBLE ROW HOUSING — NON-POLARIZED Without Locator/Latches FIG. 6 (order contacts separately) Stamped, Housing Height is .600" (15.24mm) RoHS Compliant				
4	A26998-ND	1.36	30.88	5-87456-0
6	A26999-ND	1.41	31.94	87456-2
10	A3034-ND	1.50	34.07	87456-6
12	A3035-ND	1.60	36.20	87456-8
14	A3036-ND	1.65	37.27	1-87456-0
16	A3037-ND	1.74	39.40	1-87456-2
18	A3038-ND	2.49	56.43	1-87456-4
20	A3039-ND	2.07	46.85	1-87456-6
24	A3040-ND	2.68	60.69	2-87456-0
26	A3041-ND	2.45	55.37	2-87456-2
28	A3042-ND	2.68	60.69	2-87456-4
30	A25819-ND	3.20	72.41	2-87456-6
34	A3043-ND	3.24	73.47	2-87456-0
40	A3044-ND	3.67	83.05	3-87456-6
50	A3045-ND	4.42	100.09	4-87456-0
60	A3046-ND	4.90	111.00	5-87456-2
Unstamped, Housing Height is .600" (15.24mm) RoHS Compliant				
2	A26997-ND	.85	19.17	5-87456-3
4	A3031-ND	1.18	26.62	4-87456-9
6	A3032-ND	1.27	28.75	87456-1
8	A3033-ND	1.36	30.88	87456-3
10	A25804-ND	1.41	31.94	87456-5
12	A25806-ND	1.46	33.01	87456-7
14	A25807-ND	1.50	34.07	87456-9
16	A25809-ND	1.55	35.14	1-87456-1
18	A25811-ND	2.26	51.11	1-87456-3
20	A25812-ND	1.98	44.72	1-87456-5
22	A25814-ND	2.40	54.31	1-87456-7
24	A25815-ND	2.16	48.98	1-87456-9
26	A25816-ND	2.30	52.17	2-87456-1
28	A25818-ND	2.45	55.37	2-87456-3
30	A25820-ND	2.92	66.02	2-87456-5
34	A25821-ND	2.87	64.95	2-87456-9
38	A25822-ND	3.29	74.54	3-87456-3
40	A25823-ND	3.57	80.93	3-87456-5
50	A25825-ND	4.37	99.03	3-87456-9
54	A25826-ND	4.61	104.35	4-87456-5
60	A25827-ND	4.82	109.20	5-87456-1
Keying Plug	A25829-ND	.14	3.23	87077-2
Stamped, Housing Height is .645" (16.38mm) RoHS Compliant				
26	A25817-ND	5.91	133.80	86177-4
Unstamped, Housing Height is .645" (16.38mm) RoHS Compliant				
6	A25802-ND	5.11	115.80	1-86177-8
10	A25805-ND	5.22	118.20	1-86177-2
14	A25808-ND	5.30	120.00	1-86177-4
16	A25810-ND	5.43	123.00	1-86177-5
20	A25813-ND	5.57	126.00	86177-1
40	A25824-ND	8.11	183.60	1-86177-1
Keying Plug	A25828-ND	.16	3.62	87077-1
DOUBLE ROW HOUSING — POLARIZED FIG. 6 (order contacts separately) Stamped— RoHS Compliant				
6	A25830-ND	1.27	28.75	87977-1
8	A25832-ND	1.46	33.01	87977-2
10	A25834-ND	1.55	35.14	87977-3
12	A25836-ND	1.60	36.20	87977-4
20	A25841-ND	2.52	57.00	87977-8
24	A25843-ND	2.45	55.37	1-87977-0
26	A25845-ND	3.01	68.15	1-87977-1
Unstamped— RoHS Compliant				
6	A25831-ND	1.18	26.62	2-87977-8
8	A25833-ND	1.98	44.72	2-87977-9
10	A25835-ND	2.07	46.85	3-87977-0
12	A25837-ND	2.16	48.98	3-87977-1
14	A25838-ND	2.26	51.11	3-87977-2
16	A25839-ND	2.30	52.17	3-87977-3

◊ *RoHS Compliant*

(Continued)

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AMPMODU MT Connectors (Cont.)

No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
18	A25840-ND	2.35	53.24	3-87977-4
20	A25842-ND	2.35	53.24	3-87977-5
24	A25844-ND	2.40	54.31	3-87977-7
26	A25846-ND	2.77	62.82	3-87977-8
40	A25847-ND	3.39	76.67	3-87977-5
Stamped with Detent Latching, without Strain Relief RoHS Compliant				
6	A25848-ND	1.36	30.88	87631-2
8	A25850-ND	1.46	33.01	87631-4
10	A25852-ND	1.55	35.14	87631-6
12	A25855-ND	1.69	38.33	87631-8
14	A25858-ND	1.79	40.46	1-87631-0
16	A25861-ND	1.98	44.72	1-87631-2
18	A25864-ND	2.12	47.92	1-87631-4
20	A25867-ND	2.30	52.17	1-87631-6
24	A25871-ND	2.63	59.63	2-87631-0
26	A25874-ND	2.88	60.69	2-87631-2
28	A25877-ND	2.87	64.95	2-87631-4
30	A25879-ND	3.01	68.15	2-87631-6
32	A25882-ND	3.10	70.28	2-87631-8
34	A25885-ND	3.34	75.60	3-87631-0
40	A25888-ND	3.67	83.05	3-87631-6
50	A25892-ND	4.51	102.22	4-87631-2
60	A25895-ND	5.11	115.80	5-87631-2
Unstamped with Detent Latching, without Strain Relief RoHS Compliant				
6	A25849-ND	1.18	26.62	87631-1

No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
8	A25851-ND	1.36	30.88	87631-3
10	A25853-ND	1.41	31.94	87631-5
12	A25856-ND	1.50	34.07	87631-7
14	A25859-ND	1.55	35.14	87631-9
16	A25862-ND	1.79	40.46	1-87631-1
18	A25865-ND	1.74	39.50	1-87631-3
20	A25868-ND	2.21	50.04	1-87631-5
22	A25870-ND	2.40	54.31	1-87631-7
24	A25872-ND	2.45	55.37	1-87631-9
26	A25875-ND	2.49	56.43	2-87631-1
28	A25878-ND	2.77	62.82	2-87631-3
30	A25880-ND	2.82	63.89	2-87631-5
32	A25883-ND	2.96	67.08	2-87631-7
34	A25886-ND	3.06	69.21	2-87631-9
40	A25889-ND	3.39	76.67	3-87631-5
44	A25891-ND	3.67	83.05	3-87631-9
50	A25893-ND	3.95	89.40	4-87631-1
60	A25896-ND	5.09	115.20	5-87631-1
66	A25898-ND	5.33	120.60	5-87631-3
Stamped with Detent Latching and Strain Relief RoHS Compliant				
10	A25854-ND	3.00	68.00	87922-1
12	A25857-ND	3.05	69.06	87922-2
14	A25860-ND	2.99	67.80	87922-3
16	A25863-ND	3.43	77.56	87922-4
18	A25866-ND	5.43	123.00	87922-5

No. of Positions	Digi-Key Part No.	Pricing 1	Pricing 25	AMP Part No.
20	A25869-ND	3.94	89.25	87733-1
24	A25873-ND	4.22	95.62	87733-3
26	A25876-ND	4.27	96.69	87733-4
30	A25881-ND	4.98	112.80	87733-6
32	A25884-ND	5.06	114.60	87733-7
34	A25887-ND	5.09	115.20	87733-8
40	A25890-ND	5.35	121.20	1-87733-1
50	A25894-ND	6.02	136.20	1-87733-4
60	A25897-ND	6.63	150.00	1-87733-7
A25899-ND	Strain Relief, 10 thru 18 positions			$.58
A25900-ND	Strain Relief, ≥20 positions			$1.49
Fig. 7 – Unstamped, Center Polarized – RoHS Compliant				
10	A25901-ND	1.60	36.20	102387-1
14	A25902-ND	1.69	38.33	102387-2
16	A25903-ND	1.98	44.72	102387-3
20	A25904-ND	2.26	51.11	102387-4
24	A25905-ND	2.45	55.37	102387-5
26	A25906-ND	2.49	56.43	102387-6
30	A25907-ND	2.87	64.95	102387-7
34	A25908-ND	3.15	71.34	102387-8
40	A25909-ND	3.48	78.79	102387-9
44	A25910-ND	3.81	86.25	1-102387-3
50	A25911-ND	4.28	96.90*	1-102387-0
60	A25912-ND	4.66	105.60	1-102387-1
64	A25913-ND	5.22	118.20	1-102387-2

Contacts

SPECIFICATIONS: • Contact Current Rating: 3 amperes • Terminal Resistance: 12mΩ maximum (beryllium copper) and 20mΩ maximum (copper-tin-phosphor bronze)
FEATURES: Available in a variety of platings and contact pressures; Dual cantilever contact beam with built-in overstress assures reliable connection.
Contact Plating: A: 30µ gold on contact area, 100µ to 200µ tin-lead on crimp area, with entire contact underplated 50µ nickel B: 15µ gold on contact area, 100µ to 200µ tin-lead in crimp end, with entire contact underplated 50µ nickel C: 30µ gold on contact area, with gold flash over 50µ nickel on entire contact D: 15µ gold on contact area, with gold flash over 50µ nickel on entire contact E: 100µ to 200µ bright tin over 30µ nickel on entire contact F: Gold flash over nickel, 15µ gold on contact area G: Gold flash over nickel, 30µ gold on contact area

Fig. 1

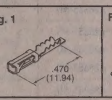


Fig. 2

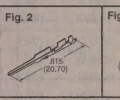


Fig. 3

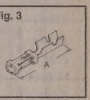


Fig.	Insulation Dia. - Max. Inch (mm)	Material	Plating	Digi-Key Part No.	Loose Piece Pricing 10	Loose Piece Pricing 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 1,000	Digi-Key Part No.	Strip Tape & Reel 10,000	AMP Part No.
Crimp Snap-In (No-strip) Receptacles — RoHS Compliant												
1	.055 (1.40)	BeCu	C	A25943-ND	6.14	41.30	102348-2	—	—	—	—	—
			E	A25944-ND	4.61	31.00	102348-3	A26944CT-ND	264.93	A25944TR-ND	143.06/M	87107-5

A25946-ND (90381-1) Crimp Hand Tool for Receptacles **$1078.41**

Fig.	Dim. A	Wire Size (AWG)	Max. Ins. Dia. Inch (mm)	Material	Plating	Digi-Key Part No.	Loose Piece Pricing 10	Loose Piece Pricing 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	Cut Strip Pricing 1,000	Digi-Key Part No.	Strip Tape & Reel 12,500	AMP Part No.
Crimp Snap-In Pins with Insulation Support — RoHS Compliant																
					C	A25948-ND	5.37	36.16	102107-2	A25948CT-ND	—	163.61	297.48	A25948TR-ND	160.64/M	102095-3
					D	A25950-ND	4.56	30.69	102107-1	A25950CT-ND	—	146.93	267.15	A25950TR-ND	144.27/M	102095-2
2	—	22-26	.061 (1.55)	Ph Bz	E	A25952-ND	2.21	14.85	102107-3	A25952CT-ND	—	71.32	129.68	A25952TR-ND	70.03/M	102095-4
					E	A33420-ND *NEW!*	2.09	14.05	5-102107-3	A33420CT-ND *NEW!*	—	67.47	122.68	A33420TR-ND *NEW!*	66.25/M	5-102095-4
Crimp Snap-In Receptacles with Insulation Support – Standard Pressure — RoHS Compliant																
				Cu-Sn-Pb Bz	A	A25959-ND	3.82	25.69	1-102316-4	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	A	A33421-ND *NEW!*	3.61	24.30	6-102316-4	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	B	A25959-ND	3.65	24.52	1-102316-3	A25955CT-ND	—	116.17	211.23	A25955TR-ND	114.07/M	102316-6
	.445	27-32	.040 (1.02)	Cu-Sn-Pb Bz	B	A33422-ND *NEW!*	3.45	23.20	6-102316-3	A33422CT-ND *NEW!*	—	109.90	199.83	A33422TR-ND *NEW!*	107.91/M	5-102316-6
				BeCu	C	A25957-ND	5.51	37.05	102917-2	A25957CT-ND	—	174.47	317.23	A25957TR-ND	171.31/M	102917-1
				BeCu	D	—	—	—	—	A25958CT-ND	34.03	144.74	215.46	A25958TR-ND	149.17/M	102917-5
				Cu-Sn-Pb Bz	E	—	—	—	—	A25959CT-ND	23.42	99.61	148.28	A25959TR-ND	102.66/M	102316-5
				Cu-Sn-Pb Bz	A	A25966-ND	3.82	25.69	1-87756-8	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	A	A33423-ND *NEW!*	3.61	24.30	6-87756-8	—	—	—	—	—	—	—
				BeCu	A	A25973-ND	7.08	47.61	87667-1	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	B	A25968-ND	3.65	24.52	1-87756-6	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	B	A33424-ND *NEW!*	3.35	22.52	6-87756-6	—	—	—	—	—	—	—
	.445	22-26	.061 (1.55)	BeCu	C	A3001-ND	4.54	30.54	87667-2	—	—	—	—	—	—	—
				BeCu	D	A25972-ND	4.46	30.01	87667-5	—	—	—	—	—	—	—
				Cu-Sn-Pb Bz	E	A25970-ND	3.12	20.98	87756-7	—	—	—	—	—	—	—
3				BeCu	E	A3000-ND	3.52	23.66	87667-3	A3000CT-ND	—	123.04	223.70	A3000TR-ND	120.80/M	87666-3
				Cu-Sn-Pb Bz	F	A25969-ND	3.62	24.37	87756-5	A25969CT-ND	—	114.30	207.83	A25969TR-ND	112.23/M	87756-4
				Cu-Sn-Pb Bz	G	—	—	—	—	A25967CT-ND	29.58	125.80	187.26	A25967TR-ND	129.65/M	87756-2
				Cu-Sn-Pb Bz	A	A25984-ND	3.82	25.69	1-87523-9	A25984CT-ND	—	163.05	296.45	A25984TR-ND	160.09/M	1-87523-8
				Cu-Sn-Pb Bz	A	A33425-ND *NEW!*	3.61	24.30	6-87523-9	A33425CT-ND *NEW!*	—	154.25	280.45	A33425TR-ND *NEW!*	151.45/M	6-87523-8
				Cu-Sn-Pb Bz	B	A25986-ND	3.65	24.52	1-87523-6	A25986CT-ND	—	161.04	292.80	A25986TR-ND	158.12/M	1-87523-5
				Cu-Sn-Pb Bz	B	A33426-ND *NEW!*	3.45	23.20	6-87523-6	A33426CT-ND *NEW!*	—	119.38	217.05	A33426TR-ND *NEW!*	117.21/M	2-87523-3
	.470	20-24	.069 (1.75)	BeCu	C	A25988-ND	6.93	46.65	86016-1	—	—	—	—	—	—	—
				BeCu	D	A25991-ND	4.97	33.43	86016-5	A25991CT-ND	—	182.52	331.85	A25991TR-ND	179.20/M	85969-6
				Cu-Sn-Pb Bz	D	—	—	—	—	A25996CT-ND	25.60	108.90	162.10	A25996TR-ND	112.23/M	87523-4
				Cu-Sn-Pb Bz	E	A25993-ND	2.12	14.24	87523-6	A25993CT-ND	—	93.84	170.63	A25993TR-ND	92.14/M	87523-5
				BeCu	E	A25995-ND	3.52	23.66	86016-3	A25995CT-ND	—	123.04	223.70	A25995TR-ND	120.80/M	85969-9
				BeCu	G	A25989-ND	4.54	30.54	86016-2	—	—	—	—	—	—	—
Crimp Snap-In Receptacles with Insulation Support – Intermediate Pressure — RoHS Compliant																
	.445	27-32	.040 (1.02)	Cu-Sn-Pb Bz	A	A25961-ND	3.82	25.69	102920-2	A25961CT-ND	—	221.29	402.35	A25961TR-ND	217.27/M	102920-1
				Cu-Sn-Pb Bz	A	A33427-ND *NEW!*	3.61	24.30	5-102920-2	—	—	—	—	—	—	—
				BeCu	C	A25963-ND	8.05	54.13	102918-2	A25963CT-ND	—	169.84	308.80	A25963TR-ND	166.76/M	102918-1
				Cu-Sn-Pb Bz	A	A25976-ND	3.82	25.69	103171-5	A25976CT-ND	—	120.27	218.68	A25976TR-ND	118.09/M	103171-4
				Cu-Sn-Pb Bz	A	A33428-ND *NEW!*	3.61	24.30	5-103171-5	A33428CT-ND *NEW!*	—	113.78	206.88	A33428TR-ND *NEW!*	111.72/M	5-103171-4
				Cu-Sn-Pb Bz	B	—	—	—	—	A25977CT-ND	26.02	110.68	164.76	A25977TR-ND	114.07/M	103171-1
	.445	22-26	.061 (1.55)	Cu-Sn-Pb Bz	B	—	—	—	—	A33429CT-ND *NEW!*	—	104.71	155.86	A33429TR-ND *NEW!*	107.91/M	5-103171-1
				BeCu	C	A25979-ND	5.51	37.07	102548-6	A25979CT-ND	—	174.47	317.23	A25979TR-ND	171.31/M	102548-5
3				BeCu	D	A25981-ND	4.46	30.01	102548-3	A25981CT-ND	—	182.52	331.85	A25981TR-ND	179.20/M	102548-1
	-			Cu-Sn-Pb Bz	A	A25998-ND	3.82	25.69	2-87195-1	A25998CT-ND	—	163.06	296.48	A25998TR-ND	160.10/M	2-87195-0
				Cu-Sn-Pb Bz	A	—	—	—	—	A33430CT-ND *NEW!*	—	154.25	280.45	A33430TR-ND *NEW!*	151.45/M	2-87195-3
				Cu-Sn-Pb Bz	B	A28315-ND	3.65	24.52	1-87195-8	A28315CT-ND	—	116.17	211.23	A28315TR-ND	114.07/M	1-87195-7
				Cu-Sn-Pb Bz	B	A33431-ND *NEW!*	3.51	23.59	2-87195-8	A33431CT-ND *NEW!*	—	109.90	199.83	A33431TR-ND *NEW!*	107.91/M	2-87195-4
	.470	20-24	.069 (1.75)	BeCu	C	A28319-ND	6.99	47.03	87046-2	A28319CT-ND	—	221.18	402.15	A28319TR-ND	217.17/M	86492-4
				BeCu	D	A28317-ND	5.05	33.96	87046-1	A28317CT-ND	—	182.52	331.85	A28317TR-ND	179.20/M	86492-2
				BeCu	E	A3005-ND	4.20	28.28	87046-4	A3005CT-ND	—	145.72	264.95	A3005TR-ND	143.08/M	86492-9
				BeCu	G	A3006-ND	5.61	37.71	87046-3	—	—	—	—	—	—	—
Crimp Snap-In Receptacles with Insulation Support – High Pressure — RoHS Compliant																
	.445	27-32	.040 (1.02)	Ph Bz	C	A25965-ND	6.13	41.21	103455-2	A25965CT-ND	—	165.65	301.18	A25965TR-ND	162.64/M	103455-1
				BeCu	C	A3004-ND	3.31	27.45	101128-1	—	—	—	—	—	—	—
3	.445	22-26	.061 (1.55)	Ph Bz	E	A3003-ND	2.76	18.54	102128-2	A3003CT-ND	—	70.76	128.65	A3003TR-ND	69.48/M	87809-2
					C	A3008-ND	3.41	28.28	1-87309-4	—	—	—	—	—	—	—
	.470	20-24	.069 (1.75)	Ph Bz	E	A3007-ND	2.76	18.54	1-87309-3	—	—	—	—	—	—	—

A99114-ND (91541-1) Crimp Tool MT Connectors 27-32AWG **$551.57**
A9840-ND (91516-1) Crimp Tool MT Connectors 20-24AWG **$491.31**
A9903-ND (91517-1) Crimp Tool MT Connectors 22-26AWG **$551.57**
A3077-ND (86286-1) Keying Plug for Standard or Intermediate Contacts **$1.95/10**

The AMPMODU® MTE Interconnection System offers both wire-to-board and wire-to-wire connectors using .025" (0.64mm) square post technology. **FEATURES:** • Insulation displacement technology • Plain housings are end-to-end and/or back-to-back stackable for open pin field applications **ELECTRICAL CHARACTERISTICS:** • Contact Current Rating: 3amp • Contact Termination Resistance: 15mΩ (maximum) • Dielectric Withstanding Voltage: 600VAC, rms at sea level • Operating Temperature: -65°C ~ 105°C **MATERIAL:** • Housing: Black thermoplastic, 94V-0 rated • Contacts: Phosphor bronze

Contact Plating:

A: 30µ gold on contact area, 50µ minimum tin-lead in crimp area, with entire contact underplated 50µ nickel
B: 15µ gold on contact area, 50µ minimum tin-lead in crimp area, with entire contact underplated 50µ nickel
C: .100µ bright tin-lead over 50µ nickel on entire contact
Unloaded: No contacts in housing

Fig. 1 - Receptacle

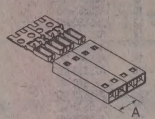


Fig. 2 - Receptacle

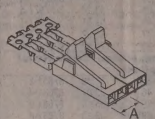
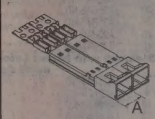


Fig. 3 - Pin



No. of Pos.	Plating	Dimension A Inch (mm)	Digi-Key Part No.	Housing Quantity per Strip	Pricing		AMP Part No.
RECEPTACLE ASSEMBLIES							
Single Row .100" (2.54mm), 26-22 AWG							
Strip Form Plain — Fig. 1							
2	A	.198 (5.03)	A28349-ND	10	6.76/10	67.33/110	103976-1
	B		A28350-ND		10.05/10	100.13/110	103975-1
	C		A28351-ND		6.91/10	68.82/110	103974-1
3	A	.298 (7.57)	A28353-ND	8	5.93/8	48.38/72	103976-2
	B		A28354-ND		9.39/8	76.56/72	103975-2
	C		A28355-ND		6.54/8	53.29/72	103974-2
4	A	.398 (10.11)	A28357-ND	5	4.50/5	44.83/55	103976-3
	B		A28358-ND		6.47/5	64.47/55	103975-3
	C		A28359-ND		4.48/5	44.67/55	103974-3
5	A	.498 (12.65)	A28361-ND	4	3.80/4	37.84/44	103976-4
	B		A28362-ND		3.73/4	37.11/44	103975-4
	C		A28363-ND		3.75/4	37.37/44	103974-4
6	A	.598 (15.19)	A28364-ND	4	4.56/4	37.15/36	103976-5
	B		A28365-ND		4.43/4	36.10/36	103975-5
	C		A28366-ND		3.98/4	32.41/36	103974-5
7	A	.698 (17.73)	A28368-ND	2	3.40/2	46.20/30	103976-6
	B		A28369-ND		3.58/2	48.63/30	103975-6
	C		A28370-ND		3.21/2	43.62/30	103974-6
8	A	.798 (20.27)	A28372-ND	2	3.37/2	39.72/26	103976-7
	B		A28373-ND		3.96/2	46.68/26	103975-7
	C		A28374-ND		3.54/2	41.71/26	103974-7
9	A	.898 (22.81)	A28376-ND	2	3.66/2	39.78/24	103976-8
	C		A28377-ND		3.80/2	41.25/24	103974-8
10	A	.998 (23.35)	A28379-ND	2	3.99/2	39.77/22	103976-9
	B		A28380-ND		3.72/2	37.03/22	103975-9
	C		A28381-ND		7.60/2	75.69/22	103974-9
11	B	1.098 (27.89)	A28383-ND	2	4.04/2	36.61/20	1-103975-0
	C		A28384-ND		4.47/2	40.44/20	1-103974-0
12	A	1.198 (30.43)	A28386-ND	2	4.70/2	38.31/18	1-103976-1
	B		A28387-ND		4.36/2	35.53/18	1-103975-1
	C		A28388-ND		7.93/2	64.64/18	1-103974-1
2	Unloaded	.195 (5.03)	A28352-ND†		28/1	6.25/25	103688-1
3	Unloaded	.298 (7.57)	A28356-ND†		40/1	9.08/25	103688-2
4	Unloaded	.398 (10.11)	A28360-ND†	1	47/1	10.53/25	103688-3
6	Unloaded	.598 (15.19)	A28367-ND†		63/1	14.24/25	103688-5
7	Unloaded	.698 (17.73)	A28371-ND†		58/1	13.17/25	103688-6
8	Unloaded	.798 (20.27)	A28375-ND†		62/1	13.97/25	103688-7
9	Unloaded	.898 (22.81)	A28378-ND†		57/1	12.97/25	103688-8
10	Unloaded	.998 (23.35)	A28382-ND†	1	60/1	13.61/25	103688-9
11	Unloaded	1.098 (27.89)	A28385-ND†		79/1	17.98/25	1-103688-0
12	Unloaded	1.198 (30.43)	A28389-ND†		72/1	16.31/25	1-103688-1
Strip Form Plain — Fig. 1							
NEW! RoHS Compliant NEW!							
2	B	.198 (5.03)	A34176-ND	10	9.41/10	93.75/110	5-103975-1
	C		A34177-ND		6.47/10	64.44/110	5-103974-1
3	C	.298 (7.57)	A34178-ND	8	6.12/8	49.90/72	5-103974-2
4	A	.398 (10.11)	A34179-ND	5	4.21/5	41.98/55	5-103976-3
	C		A34180-ND		4.20/5	41.83/55	5-103974-3
5	A	.498 (12.65)	A34181-ND	4	3.56/4	35.43/44	5-103976-4
	C		A34182-ND		3.51/4	34.99/44	5-103974-4
6	A	.598 (15.19)	A34183-ND	4	4.27/4	34.79/36	5-103976-5
7	B	.698 (17.73)	A34184-ND	2	3.35/2	45.54/30	5-103975-6

No. of Pos.	Plating	Dimension A Inch (mm)	Digi-Key Part No.	Housing Quantity per Strip	Pricing		AMP Part No.
Strip Form Polarized/Latching — Fig. 2							
2	A	.198 (5.03)	A28390-ND	10	6.40/10	63.78/110	103958-1
	B		A28391-ND		5.31/10	52.91/110	103957-1
	C		A28392-ND		4.98/10	49.65/110	103956-1
3	A	.298 (7.57)	A28394-ND	8	5.83/8	47.51/72	103958-2
	B		A28395-ND		5.12/8	41.75/72	103957-2
	C		A28396-ND		4.73/8	38.54/72	103956-2
4	A	.398 (10.11)	A28398-ND	5	4.41/5	43.95/55	103958-3
	B		A28399-ND		3.54/5	35.22/55	103957-3
	C		A28400-ND		3.49/5	34.82/55	103956-3
5	A	.498 (12.65)	A28402-ND	4	4.31/4	42.98/44	103958-4
	B		A28403-ND		3.73/4	37.11/44	103957-4
	C		A28404-ND		3.40/4	33.85/44	103956-4
6	A	.598 (15.19)	A28406-ND	4	5.14/4	41.86/36	103958-5
	B		A28407-ND		4.43/4	36.10/36	103957-5
	C		A28408-ND		6.75/4	55.04/36	103956-5
7	A	.698 (17.73)	A28410-ND	2	2.97/2	40.34/30	103958-6
	B		A28411-ND		2.56/2	34.74/30	103957-6
	C		A28412-ND		2.33/2	31.62/30	103956-6
8	A	.798 (20.27)	A28414-ND	2	3.30/2	38.89/26	103958-7
	B		A28415-ND		2.83/2	33.34/26	103957-7
	C		A28416-ND		2.57/2	30.26/26	103956-7
9	A	.898 (22.81)	A28418-ND	2	3.58/2	38.91/24	103958-8
	B		A28419-ND		4.46/2	48.46/24	103957-8
	C		A28420-ND		2.76/2	29.95/24	103956-8
10	A	.998 (23.35)	A28422-ND	2	3.90/2	38.89/22	103958-9
	B		A28423-ND		3.31/2	33.01/22	103957-9
	C		A28424-ND		2.99/2	29.75/22	103956-9
11	A	1.098 (27.89)	A28426-ND	2	3.94/2	35.65/20	1-103958-0
	B		A28427-ND		3.41/2	30.91/20	1-103957-0
	C		A28428-ND		3.00/2	27.17/20	1-103956-0
12	A	1.198 (30.43)	A28430-ND	2	4.59/2	37.44/18	1-103958-1
	B		A28431-ND		3.89/2	31.68/18	1-103957-1
	C		A28432-ND		3.49/2	28.47/18	1-103956-1
2	Unloaded	.198 (5.03)	A28393-ND†		21/1	4.83/25	104257-1
3	Unloaded	.298 (7.57)	A28397-ND†		31/1	7.02/25	104257-2
4	Unloaded	.398 (10.11)	A28401-ND†	1	36/1	8.09/25	104257-3
5	Unloaded	.498 (12.65)	A28405-ND†		39/1	8.72/25	104257-4
6	Unloaded	.598 (15.19)	A28409-ND†		41/1	9.31/25	104257-5
7	Unloaded	.698 (17.73)	A28413-ND†		47/1	10.61/25	104257-6
8	Unloaded	.798 (20.27)	A28417-ND†		48/1	10.93/25	104257-7
9	Unloaded	.898 (22.81)	A28421-ND†	1	56/1	12.62/25	104257-8
10	Unloaded	.998 (23.35)	A28425-ND†		59/1	13.25/25	104257-9
11	Unloaded	1.098 (30.43)	A28429-ND†		67/1	15.19/25	1-104257-0
12	Unloaded	1.198 (30.43)	A28433-ND†		70/1	15.87/25	1-104257-1
14	Unloaded	1.398 (35.51)	A26854-ND†		88/1	19.99/25	1-104257-3
15	Unloaded	1.498 (38.05)	A26855-ND†	1	1.09/1	24.78/25	1-104257-4
16	Unloaded	1.598 (40.59)	A26856-ND†		1.16/1	26.28/25	1-104257-5
17	Unloaded	1.698 (43.13)	A26857-ND†		1.20/1	27.14/25	1-104257-6
20	Unloaded	1.998 (50.75)	A26858-ND†		1.21/1	27.49/25	1-104257-9

† For Female contacts see "Short Point Contacts" bottom of prior page.

(Continued)

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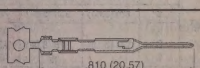
No. of Pos.	Plating	Dimension A Inch (mm)	Digi-Key Part No.	Housing Quantity per Strip	Pricing		AMP Part No.
Strip Form Polarized/Latching — Fig. 2 NEW! RoHS Compliant NEW!							
2	A	.198 (5.03)	A34185-ND	10	5.17/10	51.55/110	5-103958-1
	B		A34186-ND		4.97/10	49.54/110	5-103957-1
	C		A34187-ND		4.67/10	46.49/110	5-103956-1
3	A	.298 (7.57)	A34188-ND	8	5.46/8	44.49/72	5-103958-2
	B		A34189-ND		4.80/8	39.09/72	5-103957-2
	C		A34190-ND		4.43/8	36.09/72	5-103956-2
4	A	.398 (10.11)	A34191-ND	5	3.82/5	38.07/55	5-103958-3
	B		A34192-ND		3.31/5	32.98/55	5-103957-3
	C		A34193-ND		3.27/5	32.60/55	5-103956-3
5	A	.498 (12.65)	A34194-ND	4	4.04/4	40.25/44	5-103958-4
	B		A34195-ND		3.49/4	34.75/44	5-103957-4
	C		A34196-ND		3.18/4	31.69/44	5-103956-4
6	A	.598 (15.19)	A34197-ND	4	4.81/4	39.20/36	5-103958-5
	B		A34198-ND		4.15/4	33.80/36	5-103957-5
	C		A34199-ND		6.32/4	51.54/36	5-103956-5
7	A	.698 (17.73)	A34200-ND	2	2.78/2	37.77/30	5-103958-6
	B		A34201-ND		2.39/2	32.53/30	5-103957-6
8	A	.798 (20.27)	A34202-ND	2	3.09/2	36.42/26	5-103958-7
	B		A34203-ND		2.65/2	31.22/26	5-103957-7
9	A	.898 (22.81)	A34204-ND	2	3.35/2	36.44/24	5-103958-8
	B		A34205-ND		4.05/2	44.06/24	5-103957-8
	C		A34206-ND		2.58/2	28.04/24	5-103956-8
10	A	.998 (23.35)	A34207-ND	2	3.65/2	36.41/22	5-103958-9
	B		A34208-ND		3.10/2	30.91/22	5-103957-9
	C		A34209-ND		2.80/2	27.86/22	5-103956-9
11	A	1.098 (27.89)	A34210-ND	2	3.69/2	33.38/20	6-103958-0
12	A	1.198 (30.43)	A34211-ND	2	4.30/2	35.0618	6-103958-1
	B		A34212-ND		3.64/2	29.66/18	6-103957-1
	C		A34213-ND		3.27/2	26.66/18	6-103956-1
PIN ASSEMBLIES (contacts sold below for unloaded pin housing) Single Row .100" (2.54mm), 26-22 AWG							
Strip Form Polarized/Latching — Fig. 3							
2	A	.295 (7.49)	A28434-ND	8	8.61/8	70.17/72	103946-1
	B		A28435-ND		7.62/8	62.12/72	103945-1
	C		A28436-ND		7.36/8	59.98/72	103944-1
3	A	.395 (10.03)	A28438-ND	5	6.57/5	65.47/55	103946-2
	B		A28439-ND		5.03/5	50.16/55	103945-2
	C		A28440-ND		4.79/5	47.71/55	103944-2
4	A	.495 (12.57)	A28442-ND	4	8.28/4	82.51/44	103946-3
	B		A28443-ND		4.58/4	45.67/44	103945-3
	C		A28444-ND		4.32/4	43.06/44	103944-3
5	A	.595 (15.11)	A28446-ND	4	5.08/4	41.37/36	103946-4
	B		A28447-ND		4.75/4	38.70/36	103945-4
	C		A28448-ND		7.01/4	57.12/36	103944-4
6	A	.695 (17.05)	A28450-ND	2	3.03/2	41.17/30	103946-5
	B		A28451-ND		2.59/2	35.23/30	103945-5
	C		A28452-ND		2.40/2	32.56/30	103944-5
7	A	.795 (20.19)	A28454-ND	3	5.14/3	41.90/27	103946-6
	B		A28455-ND		10.96/3	89.31/27	103945-6
	C		A28456-ND		6.82/3	55.62/27	103944-6
8	A	.895 (22.73)	A28458-ND	2	5.27/2	57.30/24	103946-7
	B		A28459-ND		4.85/2	52.71/24	103945-7
	C		A28460-ND		4.43/2	48.13/24	103944-7
9	A	.995 (25.27)	A28462-ND	2	3.39/2	33.75/22	103946-8
	B		A28463-ND		3.56/2	35.43/22	103945-8
	C		A28464-ND		3.22/2	32.06/22	103944-8
10	A	1.095 (27.81)	A28466-ND	2	4.22/2	38.20/20	103946-9
	B		A28467-ND		5.07/2	45.95/20	103945-9
	C		A28468-ND		3.89/2	35.20/20	103944-9
11	A	1.195 (30.35)	A28470-ND	2	8.28/2	67.53/18	1-103946-0
	B		A28471-ND		7.90/2	64.41/18	1-103945-0
2	Unloaded	.295 (7.49)	A28437-ND		.50/1	11.25/25	103653-1
3	Unloaded	.395 (10.03)	A28441-ND		.52/1	11.77/25	103653-2
4	Unloaded	.495 (12.57)	A28445-ND	1	.61/1	13.86/25	103653-3
5	Unloaded	.595 (15.11)	A28449-ND		.53/1	11.93/25	103653-4
6	Unloaded	.695 (17.05)	A28453-ND		.53/1	12.00/25	103653-5
7	Unloaded	.795 (20.19)	A28457-ND		1.26/1	28.46/25	103653-6
8	Unloaded	.895 (22.73)	A28461-ND		1.29/1	29.16/25	103653-7
9	Unloaded	.995 (25.27)	A28465-ND		1.34/1	30.41/25	103653-8
10	Unloaded	1.095 (27.81)	A28469-ND		1.42/1	32.08/25	103653-9
11	Unloaded	1.195 (30.35)	A28472-ND		2.10/1	47.65/25	1-103653-0
12	Unloaded	1.295 (32.89)	A28754-ND		1.64/1	37.14/25	1-103653-1
14	Unloaded	1.495 (37.97)	A28755-ND		1.76/1	39.86/25	1-103653-3
15	Unloaded	1.595 (40.51)	A28756-ND	1	1.25/1	28.25/25	1-103653-4
16	Unloaded	1.695 (43.05)	A28757-ND		1.76/1	39.84/25	1-103653-5
17	Unloaded	1.795 (45.59)	A26852-ND		2.34/1	53.06/25	1-103653-6
20	Unloaded	2.095 (53.21)	A28792-ND		1.25/1	28.26/25	1-103653-9
Strip Form Polarized/Latching — Fig. 3 NEW! RoHS Compliant NEW!							
2	A	.295 (7.49)	A34214-ND	8	8.06/8	65.71/72	5-103946-1
	B		A34215-ND		7.14/8	58.16/72	5-103945-1
	C		A34216-ND		6.89/8	56.17/72	5-103944-1
3	A	.395 (10.03)	A34217-ND	5	6.15/5	61.30/55	5-103946-2
	B		A34218-ND		4.71/5	46.96/55	5-103945-2
	C		A34219-ND		4.48/5	44.68/55	5-103944-2
4	A	.495 (12.57)	A34220-ND	4	7.53/4	75.01/44	5-103946-3
	B		A34221-ND		4.29/4	42.76/44	5-103945-3
	C		A34222-ND		4.05/4	40.32/44	5-103944-3
5	A	.595 (15.11)	A34223-ND	4	4.75/4	38.74/36	5-103946-4
	B		A34224-ND		4.45/4	36.24/36	5-103945-4
	C		A34225-ND		6.37/4	51.93/36	5-103944-4
6	A	.695 (17.05)	A34226-ND	2	2.84/2	38.55/30	5-103946-5
	B		A34227-ND		2.43/2	32.99/30	5-103945-5
	C		A34228-ND		2.08/2	28.20/30	5-103944-5
7	A	.795 (20.19)	A34229-ND	3	4.81/3	39.23/27	5-103946-6
8	A	.895 (22.73)	A34230-ND	2	4.94/2	53.65/24	5-103946-7
	B		A34231-ND		4.54/2	49.36/24	5-103945-7
	C		A34232-ND		4.15/2	45.07/24	5-103944-7
10	A	1.095 (27.81)	A34233-ND	2	3.95/2	35.77/20	5-103946-9
	B		A34234-ND		4.75/2	43.02/20	5-103945-9

† For Female contacts see "Short Point Contacts"

Interchangeable Contacts Wire Crimp (Snap-In) Pins

Material: Phosphor bronze **Specification:** Contact: standard pressure
Contact Plating: A: 30µ gold on contact area, 30µ minimum tin-lead in crimp area, with entire contact underplated 50µ nickel **B:** 15µ gold on contact area, 30µ minimum tin-lead in crimp area, with entire post underplated 50µ nickel **C:** 100µ minimum bright tin-lead over 50µ nickel on entire contact



Wire Size (AWG)	Insulation Dia. Range Inch (mm)	Plating	Digi-Key Part No.	Loose Piece Pricing 10	100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 500	1,000	Digi-Key Part No.	Strip T & R Pricing 12,500	AMP Part No.
28-32	.025-.054 (.64-1.37)	A	A28336-ND	4.69	31.58	104506-7	—	—	—	—	—	—
		A	A34236-ND◊ **NEW!**	4.40	29.57	5-104506-7	—	—	—	—	—	—
		B	A28337-ND	4.40	29.57	104506-5	—	—	—	—	—	—
		B	A34237-ND◊ **NEW!**	4.50	30.25	5-104506-5	—	—	—	—	—	—
22-26	.036-.054 (.91-1.37)	A	A28339-ND	5.16	34.73	104506-7	A28339CT-ND	188.32	342.40	A28339TR-ND	184.90/M	104505-6
		A	A34238-ND◊ **NEW!**	4.83	32.52	5-104505-7	A34238CT-ND◊ **NEW!**	176.34	320.63	A34238TR-ND◊ **NEW!**	173.14/M	5-104505-6
		B	A28341-ND	4.80	32.31	104505-5	A28341CT-ND	146.27	265.95	A28341TR-ND	143.62/M	104505-4
		B	A34239-ND◊ **NEW!**	4.50	30.25	5-104505-5	A34239CT-ND◊ **NEW!**	136.96	249.03	A34239TR-ND◊ **NEW!**	134.48/M	5-104505-4
		C	A28343-ND	2.44	16.41	104505-3	A28343CT-ND	138.12	251.13	A28343TR-ND	135.61/M	104505-2
		C	A34240-ND◊ **NEW!**	2.17	14.62	5-104505-3	A34240CT-ND◊ **NEW!**	129.33	235.15	A34240TR-ND◊ **NEW!**	126.99/M	5-104505-2

◊ *RoHS Compliant*

ASKP02-ND Keying Plug - 10 Comb..... **$1.17**
A28345-ND Crimp Hand Tool for 28-32AWG (loose piece product)..... **$634.95**
A2031-ND Manual Pistol Grip Tool (loaded housing product)..... **$58.28**
A28718-ND Head Assembly Tool use with A2031-ND..... **$1020.60**
A30575-ND Certi-Crimp Hand Tool Assembly for 22-26AWG (loose piece product)..... **$519.12**

AMPMODU Unshrouded Breakaway Headers - .100" Centers

MATERIAL:
• Housing: Black thermoplastic, 94V-0 rated • Posts: Phosphor bronze

Contact Plating:
A: 30µ gold on contact area, 100µ – 200µ tin-lead on solder area, with entire post underplated 50µ nickel **B:** 15µ gold on contact area, 100µ – 200µ tin-lead on solder area, with entire post underplated 50µ nickel **C:** 100µ – 200µ tin-lead over 50µ nickel on entire post **D:** 100µ – 200µ tin over 50µ nickel on entire post

40 Pin Headers

No. of Pos.	Plating	Dimensions Dim. Inch (mm) A	B	Digi-Key Part No.	Price Each 1	10	AMP Part No.
Single Row							
Fig. 1 — .025" (.64mm) Square Straight Post							
40	A C	.090 (2.29)	.230 (5.84)	A26508-40-ND A26509-40-ND	2.08 1.33	1.87 1.19	4-103747-0 4-103741-0
40	A B C	.120 (3.05)	.230 (5.84)	A26512-40-ND A26513-40-ND A26514-40-ND	2.18 1.99 1.42	1.95 1.78 1.27	4-103239-0 4-103185-0 4-103327-0
40	A B C	.125 (3.18)	.318 (8.08)	A26518-40-ND A26519-40-ND A26520-40-ND	2.37 2.08 1.51	2.12 1.87 1.36	4-102976-0 4-102972-0 4-103321-0
Fig. 1 — .025" (.64mm) Square Straight Post NEW! RoHS Compliant NEW!							
40	D C	.090 (2.29)	.230 (5.84)	A32700-40-ND A34253-40-ND	2.44 1.89	2.19 1.70	9-146285-0 9-146282-0
40	A D C	.120 (3.05)	.230 (5.84)	A34254-40-ND A32701-40-ND A34256-40-ND	2.56 2.37 1.93	2.29 2.12 1.73	9-146281-0 9-146280-0 9-146278-0
40	A D C	.125 (3.18)	.318 (8.08)	A34257-40-ND A32703-40-ND A34259-40-ND	2.57 2.39 2.02	2.31 2.14 1.81	9-146277-0 9-146276-0 9-146274-0
Fig. 2 — .025" (.64mm) Square Right Angle Post							
40	A C	.090 (2.29)	.230 (5.84)	A26510-40-ND A26511-40-ND	2.42 2.75	2.17 2.46	4-103765-0 4-103759-0
40	A B C	.120 (3.05)	.230 (5.84)	A26515-40-ND A26516-40-ND A26517-40-ND	2.56 2.46 1.99	2.29 2.21 1.78	4-103148-0 4-103325-0 4-103329-0
40	A B C	.110 (2.79)	.318 (8.08)	A26521-40-ND A26522-40-ND A26523-40-ND	2.75 2.56 2.08	2.46 2.29 1.87	4-102978-0 4-102974-0 4-103323-0
Fig. 2 — .025" (.64mm) Square Right Angle Post NEW! RoHS Compliant NEW!							
40	A C	.090 (2.29)	.230 (5.84)	A34260-40-ND A34261-40-ND	2.42 2.75	2.17 2.46	9-103765-0 9-103759-0
40	A D C	.120 (3.05)	.230 (5.84)	A34262-40-ND A32702-40-ND A34264-40-ND	3.98 2.46 1.99	3.56 2.21 1.78	9-146304-0 9-103325-0 9-103329-0
40	A D D	.110 (2.79)	.318 (8.08)	A34265-40-ND A32704-40-ND A32705-40-ND	4.07 2.56 2.08	3.65 2.29 1.87	9-146305-0 9-102974-0 9-103323-0
Double Row							
Fig. 3 — .025" (.64mm) Square Straight Post							
80	A C	.090 (2.29)	.230 (5.84)	A26524-40-ND A26525-40-ND	3.10 2.20	2.78 1.97	4-103783-0 4-103777-0
80	A B C	.120 (3.05)	.230 (5.84)	A26528-40-ND A26529-40-ND A26530-40-ND	3.22 2.84 2.27	2.88 2.55 2.04	4-103240-0 4-103186-0 4-103328-0
80	A B C	.125 (3.18)	.318 (8.08)	A26534-40-ND A26535-40-ND A26536-40-ND	3.41 3.03 2.46	3.05 2.71 2.21	4-102977-0 4-102973-0 4-103322-0
Fig. 3 — .025" (.64mm) Square Straight Post NEW! RoHS Compliant NEW!							
80	A	.090 (2.29)	.230 (5.84)	A34268-40-ND	3.93	3.52	9-146261-0
80	B	.120 (3.05)	.230 (5.84)	A34269-40-ND	3.68	3.29	9-146256-0
80	A D C	.125 (3.18)	.318 (8.08)	A34270-40-ND A32707-40-ND A34272-40-ND	4.23 3.86 3.22	3.79 3.46 2.88	9-146253-0 9-146252-0 9-146250-0
Fig. 4 — .025" (.64mm) Square Right Angle Post							
80	A C	.090 (2.29)	.230 (5.84)	A26526-40-ND A26527-40-ND	3.79 3.22	3.39 2.88	4-103801-0 4-103795-0
80	A B C	.120 (3.05)	.230 (5.84)	A26531-40-ND A26532-40-ND A26533-40-ND	3.98 3.79 3.41	3.56 3.39 3.05	4-103149-0 4-103326-0 4-103330-0
80	A B C	.110 (2.79)	.318 (8.08)	A26537-40-ND A26538-40-ND A26539-40-ND	4.16 3.98 3.60	3.73 3.56 3.22	4-102979-0 4-102975-0 4-103324-0
Fig. 4 — .025" (.64mm) Square Right Angle Post NEW! RoHS Compliant NEW!							
80	A C	.090 (2.29)	.230 (5.84)	A34273-40-ND A34274-40-ND	3.79 3.22	3.39 2.88	9-103801-0 9-103795-0
80	A D C	.120 (3.05)	.230 (5.84)	A34275-40-ND A32706-40-ND A34277-40-ND	7.00 3.79 3.41	6.27 3.39 3.05	9-146308-0 9-103326-0 9-103330-0
80	A C	.110 (2.79)	.318 (8.08)	A34278-40-ND A34279-40-ND	7.19 3.60	6.44 3.22	9-146309-0 9-103324-0

1-39 Pin Headers

Step 1 Digi-Key Part No.	Step 2 Base Price	Step 3 Pin Adder
Single Row		
.025" (.64mm) Square Straight Post		
A26508-XX-ND A26509-XX-ND	.68 .65	.04 .02
A26512-XX-ND A26513-XX-ND A26514-XX-ND	.79 .59 .37	.04 .04 .03
A26518-XX-ND A26519-XX-ND A26520-XX-ND	.99 .68 .46	.04 .04 .03
.025" (.64mm) Square Straight Post NEW! RoHS Compliant NEW!		
A32700-XX-ND A34253-XX-ND	.93 .86	.04 .03
A34254-XX-ND A32701-XX-ND A34256-XX-ND	.81 .95 .53	.05 .04 .04
A34257-XX-ND A32703-XX-ND A34259-XX-ND	.82 .87 .62	.05 .04 .04
.025" (.64mm) Square Right Angle Post		
A26510-XX-ND A26511-XX-ND	1.05 1.02	.04 .05
A26515-XX-ND A26516-XX-ND A26517-XX-ND	.81 1.09 .59	.05 .04 .04
A26521-XX-ND A26522-XX-ND A26523-XX-ND	1.02 .81 .68	.05 .05 .04
.025" (.64mm) Square Right Angle Post NEW! RoHS Compliant NEW!		
A34260-XX-ND A34261-XX-ND	1.05 1.02	.04 .05
A34262-XX-ND A32702-XX-ND A34264-XX-ND	1.56 .94 .59	.07 .04 .04
A34265-XX-ND A32704-XX-ND A32705-XX-ND	1.65 1.03 .56	.07 .04 .04
Double Row		
.025" (.64mm) Square Straight Post		
A26524-XX-ND A26525-XX-ND	1.01 .81	.05 .04
A26528-XX-ND A26529-XX-ND A26530-XX-ND	1.13 1.11 .89	.06 .05 .04
A26534-XX-ND A26535-XX-ND A26536-XX-ND	1.33 .93 1.09	.06 .06 .04
.025" (.64mm) Square Straight Post NEW! RoHS Compliant NEW!		
A34268-XX-ND	1.51	.07
A34269-XX-ND	1.24	.07
A34270-XX-ND A32707-XX-ND A34272-XX-ND	1.44 1.36 1.13	.08 .07 .06
.025" (.64mm) Square Right Angle Post		
A26526-XX-ND A26527-XX-ND	1.36 1.13	.07 .06
A26531-XX-ND A26532-XX-ND A26533-XX-ND	1.56 1.36 1.33	.07 .07 .06
A26537-XX-ND A26538-XX-ND A26539-XX-ND	1.37 1.56 1.16	.08 .07 .07
.025" (.64mm) Square Right Angle Post NEW! RoHS Compliant NEW!		
A34273-XX-ND A34274-XX-ND	1.36 1.13	.07 .06
A34275-XX-ND A32706-XX-ND A34277-XX-ND	2.48 .98 1.33	.13 .04 .06
A34278-XX-ND A34279-XX-ND	2.68 1.16	.13 .07

Fig. 1

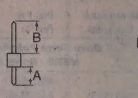


Fig. 2

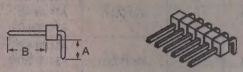


Fig. 3

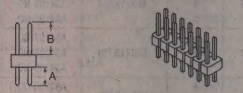
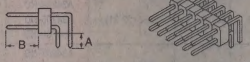


Fig. 4



HOW TO ORDER: 4 EASY STEPS

How do I order an A26508 header with 16 pins?

Call Digi-Key where you'll happily receive the price, or Determine the cost yourself.

A□□□□□-□□-ND

Base Part Number — Number of Desired Pins per Row

Step 1. Select needed Digi-Key Part Number and number of pins desired.

Step 2. Begin with the appropriate "Base Price" of your selected part number (refer to chart).

Step 3. Multiply the number of pins you desire by the "Pin Adder" of your selected part number (refer to chart).

Step 4. Add Step 2 and Step 3 together for final cost!

Our Example:

Step 1.	A26508-16-ND
Step 2.	.68
Step 3.	16 x .04 = .64
Step 4.	Your Cost = $1.32

NOTE: **For quantities of 10 or more, call DIGI-KEY.**

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

AMPMODU MTE Shrouded Latching Headers - .100" Centers

MATERIAL: • Housing: Black thermoplastic, 94V-0 rated • Posts: Copper alloy

Contact Plating:

A: 30µ gold on contact area, 100µ minimum tin-lead on solder area, with entire post underplated 50µ nickel

B: 15µ gold on contact area, 100µ minimum, tin-lead on solder area, with entire post underplated 50µ nickel

C: 100µ Tin-lead over 50µ nickel on entire post

D: 100µ Tin over 50µ nickel on entire post

Fig. 1

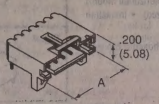


Fig. 2

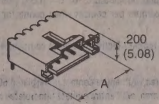
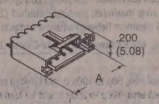
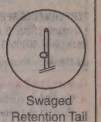


Fig. 3





A

Fig. 1 — Single Row, .025" (.64mm) Square Right Angle Post, with Holddown

No. of Pos.	Plating	Dim. A inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
2	A	.300 (7.62)	A28574-ND	.75	.68	103904-1
	B		A28575-ND	.71	.64	103673-1
	C		A28576-ND	.49	.44	103672-1
3	A	.400 (10.16)	A28577-ND	1.11	1.01	103904-2
	B		A28578-ND	.67	.61	103673-2
	C		A28579-ND	.57	.52	103672-2
4	A	.500 (12.70)	A28580-ND	.82	.74	103904-3
	B		A28581-ND	.75	.68	103673-3
	C		A28582-ND	.76	.69	103672-3
5	A	.600 (15.24)	A28583-ND	1.07	.97	103904-4
	B		A28584-ND	.97	.88	103673-4
	C		A28585-ND	1.18	1.07	103672-4
6	A	.700 (17.78)	A28586-ND	1.44	1.30	103904-5
	B		A28587-ND	.89	.81	103673-5
	C		A28588-ND	1.27	1.14	103672-5
7	A	.800 (20.32)	A28589-ND	1.48	1.33	103904-6
	B		A28590-ND	.96	.87	103673-6
	C		A28591-ND	1.75	1.58	103672-6
8	A	.900 (22.86)	A28592-ND	1.59	1.44	103904-7
	B		A28593-ND	1.03	.93	103673-7
	C		A28594-ND	1.15	1.04	103672-7
9	B	1.000 (25.40)	A28595-ND	1.10	1.00	103673-8
10	A	1.100 (27.94)	A28596-ND	1.72	1.55	103904-9
	B		A28597-ND	1.18	1.06	103673-9
	C		A28598-ND	1.00	.91	103672-9
11	B	1.200 (30.48)	A28599-ND	1.53	1.38	1-103673-0
	C		A28600-ND	1.11	1.01	1-103672-0
12	A	1.300 (33.02)	A28601-ND	1.59	1.43	1-103904-1
	B		A28602-ND	1.38	1.24	1-103673-1
	C		A28603-ND	1.39	1.26	1-103672-1
14	A	1.500 (38.10)	A28605-ND	1.88	1.69	1-103904-3
	B		A28606-ND	1.81	1.63	1-103673-3
15	B	1.600 (40.64)	A28607-ND	1.60	1.44	1-103673-4
16	B	1.700 (43.18)	A28608-ND	1.95	1.76	1-103673-5
	C		A28609-ND	1.61	1.45	1-103672-5
17	B	1.800 (45.72)	A28522-ND	2.10	1.89	1-103673-6
	C		A28556-ND	1.43	1.29	1-103672-6
20	A	2.100 (53.34)	A28612-ND	2.11	1.91	1-103904-9
	B		A28613-ND	2.25	2.03	1-103673-9

Fig. 1 — Single Row, .025" (.64mm) Square Right Angle Post, with Holddown

			NEW!	RoHS Compliant	NEW!	
2	B	.300 (7.62)	A33839-ND	.71	.64	5-103673-1
	D		A33840-ND	.56	.51	5-103672-1
3	A	.400 (10.16)	A33841-ND	1.08	.98	5-103904-2
	B		A33842-ND	.67	.61	5-103673-2
	D		A33843-ND	.74	.67	5-103672-2
4	A	.500 (12.70)	A33844-ND	.82	.74	5-103904-3
	B		A33845-ND	.75	.68	5-103673-3
5	A	.600 (15.24)	A33846-ND	1.07	.97	5-103904-4
	B		A33847-ND	.97	.88	5-103673-4
6	A	.700 (17.78)	A33848-ND	1.44	1.30	5-103904-5
	B		A33849-ND	.89	.81	5-103673-5
	D		A33850-ND	1.46	1.32	5-103672-5
8	B	.900 (22.86)	A33852-ND	1.03	.93	5-103673-7
9	B	1.000 (25.40)	A33853-ND	1.10	1.00	5-103673-8
10	A	1.100 (27.94)	A33155-ND	1.98	1.79	5-103904-9
	B		A33854-ND	1.18	1.06	5-103673-9

Fig. 2 — Single Row, .025" (.64mm) Square Right Angle Post, without Holddown

2	A	.300 (7.62)	A28618-ND	.63	.57	103906-1
	B		A28619-ND	.60	.54	103635-1
	C		A28620-ND	.56	.51	103634-1
3	A	.400 (10.16)	A28621-ND	.85	.77	103906-2
	B		A28622-ND	.67	.61	103635-2
	C		A28623-ND	.61	.56	103634-2
4	A	.500 (12.70)	A28624-ND	.82	.74	103906-3
	B		A28625-ND	.75	.68	103635-3
	C		A28626-ND	.80	.73	103634-3
5	A	.600 (15.24)	A28627-ND	1.07	.97	103906-4
	B		A28628-ND	.82	.74	103635-4
	C		A28629-ND	.67	.61	103634-4
6	A	.700 (17.78)	A28630-ND	1.15	1.04	103906-5
	B		A28631-ND	.89	.81	103635-5
	C		A28632-ND	.93	.84	103634-5
7	A	.800 (20.32)	A28633-ND	1.44	1.30	103906-6
	B		A28634-ND	.96	.87	103635-6
	C		A28635-ND	1.20	1.08	103634-6
8	A	.900 (22.86)	A28636-ND	1.17	1.05	103906-7
	B		A28637-ND	1.03	.93	103635-7
	C		A28638-ND	.89	.80	103634-7
9	A	1.000 (25.40)	A28639-ND	1.50	1.35	103906-8
	B		A28640-ND	1.10	1.00	103635-8
	C		A28641-ND	.95	.86	103634-8
10	A	1.100 (27.94)	A28642-ND	1.35	1.22	103906-9
	B		A28643-ND	1.18	1.06	103635-9
	C		A28644-ND	1.00	.91	103634-9
11	A	1.200 (30.48)	A28645-ND	1.50	1.35	1-103906-0
	B		A28646-ND	1.30	1.18	1-103635-0
	C		A28647-ND	1.08	.97	1-103634-0
12	A	1.300 (33.02)	A28648-ND	1.88	1.70	1-103906-1
	B		A28649-ND	1.38	1.24	1-103635-1
	C		A28650-ND	1.15	1.04	1-103634-1
14	A	1.500 (38.10)	A28653-ND	1.77	1.59	1-103906-3
	B		A28654-ND	1.43	1.29	1-103635-3
	C		A28655-ND	1.28	1.16	1-103634-3
15	B	1.600 (40.64)	A28656-ND	1.52	1.37	1-103635-4
	C		A28657-ND	1.34	1.21	1-103634-4
16	B	1.700 (43.18)	A28658-ND	1.56	1.41	1-103635-5
	C		A28659-ND	1.72	1.55	1-103634-5
17	A	1.800 (45.72)	A28557-ND	7.46	6.72	1-103906-6
20	A	2.100 (53.34)	A28661-ND	2.36	2.13	1-103906-9
	B		A28662-ND	1.81	1.63	1-103635-9

Fig. 2 — Single Row, .025" (.64mm) Square Right Angle Post, without Holddown

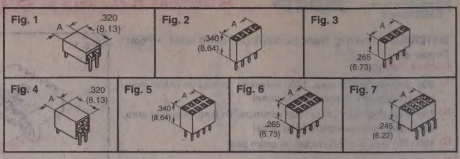
			NEW!	RoHS Compliant	NEW!	
2	A	.300 (7.62)	A33855-ND	.81	.74	5-104935-5
	B		A33856-ND	.66	.60	5-103635-1
	D		A33857-ND	.62	.56	5-103634-1
3	A	.400 (10.16)	A33858-ND	.80	.72	5-104935-3
	B		A32563-ND	.73	.67	5-103635-2
	D		A33859-ND	.68	.61	5-103634-2
4	A	.500 (12.70)	A33860-ND	.89	.81	5-104935-1
	B		A33861-ND	.88	.80	5-103635-3
	D		A33862-ND	.88	.80	5-103634-3
5	A	.600 (15.24)	A33863-ND	1.07	.97	5-104935-6
	B		A33864-ND	.83	.76	5-103635-4
	D		A33865-ND	.74	.67	5-103634-4
6	A	.700 (17.78)	A33866-ND	1.34	1.21	5-104935-7
	B		A33867-ND	.98	.89	5-103635-5
	D		A33868-ND	1.02	.93	5-103634-5
7	A	.800 (20.32)	A33869-ND	1.42	1.28	5-104935-8
	B		A33870-ND	1.05	.95	5-103635-6
	D		A33871-ND	1.45	1.31	5-103634-6
8	A	.900 (22.86)	A33872-ND	1.23	1.11	5-104935-2
	B		A33873-ND	1.13	1.02	5-103635-7
	D		A32562-ND	.98	.88	5-103634-7
9	A	1.000 (25.40)	A33874-ND	1.50	1.35	5-104935-9
	B		A33875-ND	1.21	1.09	5-103635-8
	D		A33876-ND	1.04	.94	5-103634-8
10	A	1.100 (27.94)	A33877-ND	1.55	1.40	6-104935-0
	B		A33878-ND	1.29	1.17	5-103635-9
	D		A33879-ND	1.10	1.00	5-103634-9
11	B	1.200 (30.48)	A33880-ND	1.44	1.30	6-103635-0
	D		A33881-ND	1.18	1.07	6-103634-0
12	A	1.300 (33.02)	A33882-ND	1.56	1.41	5-104935-4
	B		A33883-ND	1.52	1.37	6-103635-1
	D		A33884-ND	1.39	1.25	6-103634-1
14	B	1.500 (38.10)	A33885-ND	1.58	1.42	6-103635-3
	D		A33886-ND	1.41	1.27	6-103634-3
15	B	1.600 (40.64)	A33887-ND	1.67	1.51	6-103635-4
	D		A33888-ND	1.47	1.33	6-103634-4
16	B	1.700 (43.18)	A33889-ND	1.72	1.55	6-103635-5
	D		A33890-ND	1.89	1.71	6-103634-5
20	B	2.100 (53.34)	A33891-ND	1.87	1.69	6-103635-9

Polarized

Fig. 3 — Single Row, .025" (.64mm) Square Straight Post, with Swage Retention Tail

2	A	.300 (7.62)	A28473-ND	.63	.57	103908-1
	B		A28474-ND	.60	.54	103670-1
	C		A28475-ND	.47	.43	103669-1
3	A	.400 (10.16)	A28476-ND	.72	.65	103908-2
	B		A28477-ND	.67	.61	103670-2
	C		A28478-ND	.61	.56	103669-2
4	A	.500 (12.70)	A28479-ND	.82	.74	103908-3
	B		A28480-ND	.75	.68	103670-3
	C		A28481-ND	.68	.61	103669-3
5	A	.600 (15.24)	A28482-ND	.90	.82	103908-4
	B		A28483-ND	.82	.74	103670-4
	C		A28484-ND	.73	.66	103669-4
6	A	.700 (17.78)	A28485-ND	.99	.90	103908-5
	B		A28486-ND	.89	.81	103670-5
	C		A28487-ND	.79	.71	103669-5
7	A	.800 (20.32)	A28488-ND	1.08	.98	103908-6
	B		A28489-ND	1.14	1.03	103670-6
	C		A28490-ND	.84	.76	103669-6
8	A	.900 (22.86)	A28491-ND	1.17	1.05	103908-7
	B		A28492-ND	1.03	.93	103670-7
	C		A28493-ND	.89	.80	103669-7
9	A	1.000 (25.40)	A28494-ND	1.26	1.14	103908-8
	B		A28495-ND	1.10	1.00	103670-8
	C		A28496-ND	.95	.86	103669-8
10	A	1.100 (27.94)	A28497-ND	1.35	1.22	103908-9
	B		A28498-ND	1.40	1.26	103670-9
	C		A28499-ND	1.00	.91	103669-9
11	A	1.200 (30.48)	A28500-ND	1.40	1.26	1-103908-0
	B		A28501-ND	1.48	1.33	1-103670-0
	C		A28502-ND	1.11	1.01	1-103669-0
12	A	1.300 (33.02)	A28503-ND	1.59	1.43	1-103908-1
	B		A28504-ND	1.38	1.24	1-103670-1
	C		A28505-ND	1.33	1.20	1-103669-1
14	A	1.500 (38.10)	A28508-ND	1.77	1.60	1-103908-3
	B		A28510-ND	1.28	1.16	1-103669-3
	C		A28510-ND	1.28	1.16	1-103669-3
15	A	1.600 (40.64)	A28511-ND	1.86	1.68	1-103908-4
	B		A28512-ND	4.79	4.32	1-103670-4
	C		A28513-ND	4.93	4.44	1-103669-4
16	A	1.700 (43.18)	A28514-ND	1.81	1.64	1-103908-5
	B		A28515-ND	1.67	1.51	1-103670-5
	C		A28516-ND	1.60	1.45	1-103669-5
17	B	1.800 (45.72)	A28794-ND	1.79	1.56	1-103670-6
	C		A28517-ND	1.43	1.29	1-103669-6
20	A	2.100 (53.34)	A28518-ND	2.11	1.91	1-103908-9
	B		A28519-ND	2.00	1.80	1-103670-9

AMPMODU Mod. II and IV Receptacle Assemblies



PERFORMANCE SPECIFICATIONS: • Durability: 200 cycles • Operating Temperature: -65°C ~ 105°C (-65°C ~ 125°C for horizontal mount) • Current Rating: 3 amp maximum for single contact (2 amp maximum per contact when connector is fully energized) • Insulation Resistance: 5000MΩ minimum between adjacent contacts

MATERIAL: • Housing: Black thermoplastic, 94V-0 rated (horizontal mount - high temperature compatible) • Contacts: Phosphor bronze

Contact/Post Plating:
A: 30µ gold on contact area, 50µ to 100µ bright tin-lead on solder area, with entire contact underplated 50µ nickel
B: 30µ gold on contact area, 100µ to 200µ bright tin-lead on solder area, with entire contact underplated 50µ nickel

No. of Pos.	Plating	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
Mod. II, Horizontal Mount Short Point-of-Contact, with Standoffs						
2		.200 (5.08)	A26405-ND	.48	.44	535676-1
3		.300 (7.62)	A26406-ND	.64	.58	535676-2
4	A	.400 (10.16)	A26407-ND	.77	.70	535676-3
5		.500 (12.70)	A26408-ND	.90	.82	535676-4
6		.600 (15.24)	A26409-ND	1.01	.92	535676-5
8		.800 (20.32)	A26410-ND	1.33	1.20	535676-7
10		1.000 (25.40)	A26411-ND	1.62	1.47	535676-9
12	A	1.200 (30.48)	A26412-ND	2.44	2.21	1-535676-1
14		1.400 (35.56)	A26413-ND	2.81	2.55	1-535676-3
16		1.600 (40.64)	A26414-ND	2.39	2.16	1-535676-5
Fig. 2 — Mod. IV, Vertical Mount, Top Entry, End Stackable with Single Tine Contacts						
3		.300 (7.62)	A26415-ND	.77	.70	534237-1
4		.400 (10.16)	A26416-ND	.85	.77	534237-2
5	A	.500 (12.70)	A26417-ND	.90	.82	534237-3
6		.600 (15.24)	A26418-ND	.98	.89	534237-4
7		.700 (17.78)	A26419-ND	1.06	.96	534237-5
8		.800 (20.32)	A26420-ND	1.14	1.04	534237-6
10		1.000 (25.40)	A26421-ND	1.40	1.28	534237-8
12	A	1.200 (30.48)	A26422-ND	1.54	1.40	1-534237-0
13		1.300 (33.02)	A26423-ND	1.62	1.47	1-534237-1
14		1.400 (35.56)	A26424-ND	1.70	1.54	1-534237-2
15		1.500 (38.10)	A26425-ND	1.80	1.64	1-534237-3
16		1.600 (40.64)	A26426-ND	1.86	1.68	1-534237-4
18	A	1.800 (45.72)	A26427-ND	2.07	1.88	1-534237-6
20		2.000 (50.80)	A26428-ND	2.23	2.02	1-534237-8
30		3.000 (76.20)	A26429-ND	3.07	2.79	2-534237-8
Fig. 2 — Mod. IV, Vertical Mount, Top Entry, End Stackable with Single Tine Contacts NEW! RoHS Compliant NEW!						
3		.300 (7.62)	A32904-ND	.82	.75	5-534237-1
4		.400 (10.16)	A32905-ND	.90	.82	5-534237-2
5	A	.500 (12.70)	A32906-ND	.98	.89	5-534237-3
6		.600 (15.24)	A32907-ND	1.06	.96	5-534237-4
7		.700 (17.78)	A32908-ND	1.17	1.06	5-534237-5
8		.800 (20.32)	A32909-ND	1.22	1.11	5-534237-6
10		1.000 (25.40)	A32910-ND	1.51	1.37	5-534237-8
12	A	1.200 (30.48)	A32911-ND	1.64	1.49	6-534237-0
13		1.300 (33.02)	A32912-ND	1.75	1.59	6-534237-1
14		1.400 (35.56)	A32913-ND	1.86	1.68	6-534237-2
15		1.500 (38.10)	A32914-ND	1.93	1.76	6-534237-3
16		1.600 (40.64)	A32549-ND	2.04	1.85	6-534237-4
18	A	1.800 (45.72)	A32915-ND	2.23	2.02	6-534237-6
20		2.000 (50.80)	A32916-ND	2.39	2.16	6-534237-8
30		3.000 (76.20)	A32917-ND	3.31	3.00	7-534237-8
Fig. 3 — Mod. IV, Vertical Mount, Top Entry, End Stackable, Low Profile with Single Tine Contacts						
3		.300 (7.62)	A26473-ND	.69	.63	535541-1
5		.500 (12.70)	A26475-ND	.87	.80	535541-3
6	A	.600 (15.24)	A26476-ND	.93	.84	535541-4
8		.800 (20.32)	A26477-ND	1.06	.96	535541-6
10		1.000 (24.40)	A26478-ND	1.27	1.16	535541-8
12		1.200 (30.48)	A26479-ND	1.48	1.35	1-535541-0
14		1.400 (35.56)	A26480-ND	1.64	1.49	1-535541-2
16	A	1.600 (40.64)	A26481-ND	1.83	1.66	1-535541-4
18		1.800 (45.72)	A26482-ND	1.99	1.80	1-535541-6
20		2.000 (50.80)	A26483-ND	2.17	1.97	1-535541-8
30		3.000 (76.20)	A26484-ND	3.02	2.74	2-535541-8
Fig. 3 — Mod. IV, Vertical Mount, Top Entry, End Stackable, Low Profile with Single Tine Contacts NEW! RoHS Compliant NEW!						
3		.300 (7.62)	A32918-ND	.74	.68	5-535541-1
5		.500 (12.70)	A32919-ND	.90	.82	5-535541-3
6	A	.600 (15.24)	A32920-ND	1.01	.92	5-535541-4
8		.800 (20.32)	A32921-ND	1.17	1.06	5-535541-6
10		1.000 (24.40)	A32922-ND	1.40	1.28	5-535541-8
12	A	1.200 (30.48)	A32923-ND	1.62	1.47	6-535541-0
14		1.400 (35.56)	A32550-ND	1.72	1.56	6-535541-2
16		1.600 (40.64)	A32924-ND	1.93	1.76	6-535541-4
18	A	1.800 (45.72)	A32925-ND	2.17	1.97	6-535541-6
20		2.000 (50.80)	A32926-ND	2.36	2.14	6-535541-8
30		3.000 (76.20)	A32927-ND	3.29	2.98	7-535541-8
Double Row						
Fig. 4 — Mod. II, Horizontal Mount, End Stackable, Short Point-of-Contact with Standoffs						
4		.200 (5.08)	A26430-ND	.64	.58	6-535512-1
6		.300 (7.62)	A26431-ND	.90	.82	6-535512-2
8	A	.400 (10.16)	A26432-ND	1.09	.99	6-535512-3
10		.500 (12.70)	A26433-ND	1.33	1.20	6-535512-4
12		.600 (15.24)	A26434-ND	1.62	1.47	535512-1
16		.800 (20.32)	A26436-ND	2.07	1.88	1-535512-8
18		.900 (22.86)	A26437-ND	2.33	2.12	1-535512-6
20	A	1.000 (25.40)	A26438-ND	2.52	2.28	535512-2
22		1.100 (27.94)	A26439-ND	2.78	2.52	1-535512-9
24		1.200 (30.48)	A26440-ND	2.97	2.69	535512-3
26		1.300 (33.02)	A26441-ND	3.23	2.93	2-535512-0
28		1.400 (35.56)	A26442-ND	5.41	4.90	2-535512-1
32	A	1.600 (40.64)	A26444-ND	3.90	3.53	2-535512-3
34		1.700 (43.18)	A26445-ND	6.47	5.86	535512-4
50		2.500 (63.50)	A26448-ND	9.38	8.50	535512-7
60	A	3.000 (76.20)	A26449-ND	11.29	10.23	3-535512-0
70		3.500 (88.90)	A26450-ND	13.06	11.84	1-535512-0
Fig. 4 — Mod. II, Horizontal Mount, End Stackable, Short Point-of-Contact with Standoffs NEW! RoHS Compliant NEW!						
12		.600 (15.24)	A32928-ND	1.75	1.59	5535512-1
20		1.000 (25.40)	A32929-ND	2.41	2.19	5535512-2
24	A	1.200 (30.48)	A32930-ND	3.13	2.84	5535512-3
32		1.600 (40.64)	A32931-ND	4.00	3.63	2-5535512-3
Fig. 5 — Mod. IV, Vertical Mount, Top Entry, End Stackable, .100 x .100 (2.54 x 2.54mm) Mounting Pattern						
2		.100 (2.54)	A26451-ND	.69	.63	534206-1
4		.200 (5.08)	A26452-ND	.87	.80	534206-2
6	B	.300 (7.62)	A26453-ND	1.03	.94	534206-3
8		.400 (10.16)	A26454-ND	1.22	1.11	534206-4
10		.500 (12.70)	A26455-ND	1.46	1.32	534206-5
12		.600 (15.24)	A26456-ND	1.62	1.47	534206-6
14		.700 (17.78)	A26457-ND	1.80	1.64	534206-7
16	B	.800 (20.32)	A26458-ND	1.99	1.80	534206-8
18		.900 (22.86)	A26459-ND	2.17	1.97	534206-9
20		1.000 (25.40)	A26460-ND	2.39	2.16	1-534206-0
24		1.200 (30.48)	A26461-ND	2.73	2.48	1-534206-2
26		1.300 (33.02)	A26462-ND	2.94	2.67	1-534206-3
28	B	1.400 (35.56)	A26463-ND	3.13	2.84	1-534206-4
30		1.500 (38.10)	A26464-ND	3.34	3.03	1-534206-5
32		1.600 (40.64)	A26465-ND	3.50	3.17	1-534206-6
34		1.700 (43.18)	A26466-ND	3.68	3.34	1-534206-7
36		1.800 (45.72)	A26467-ND	3.87	3.51	1-534206-8
40	B	2.000 (50.80)	A26468-ND	4.24	3.84	2-534206-0
44		2.200 (55.88)	A26469-ND	4.64	4.20	2-534206-2
50		2.500 (63.50)	A26470-ND	5.17	4.68	2-534206-5
60	B	3.000 (76.20)	A26471-ND	6.15	5.57	3-534206-0
64		3.200 (81.28)	A26472-ND	6.52	5.91	3-534206-2
Fig. 5 — Mod. IV, Vertical Mount, Top Entry, End Stackable, .100 x .100 (2.54 x 2.54mm) Mounting Pattern NEW! RoHS Compliant NEW!						
2		.100 (2.54)	A32932-ND	.74	.68	5-534206-1
4		.200 (5.08)	A32933-ND	.95	.87	5-534206-2
6	B	.300 (7.62)	A32934-ND	1.11	1.01	5-534206-3
8		.400 (10.16)	A32935-ND	1.33	1.20	5-534206-4
10		.500 (12.70)	A32936-ND	1.56	1.42	5-534206-5
12		.600 (15.24)	A32937-ND	1.72	1.56	5-534206-6
14		.700 (17.78)	A32938-ND	1.91	1.73	5-534206-7
16	B	.800 (20.32)	A32939-ND	2.15	1.95	5-534206-8
18		.900 (22.86)	A32940-ND	2.33	2.12	5-534206-9
20		1.000 (25.40)	A32941-ND	2.54	2.31	6-534206-0
24		1.200 (30.48)	A32942-ND	2.97	2.69	6-534206-2
26		1.300 (33.02)	A32943-ND	3.13	2.84	6-534206-3
28	B	1.400 (35.56)	A32944-ND	3.39	3.08	6-534206-4
30		1.500 (38.10)	A32945-ND	3.60	3.27	6-534206-5
32		1.600 (40.64)	A32946-ND	3.76	3.41	6-534206-6
34		1.700 (43.18)	A32947-ND	3.95	3.58	6-534206-7
36		1.800 (45.72)	A32948-ND	4.19	3.80	6-534206-8
40	B	2.000 (50.80)	A32949-ND	4.61	4.18	7-534206-0
44		2.200 (55.88)	A32950-ND	5.04	4.56	7-534206-2
50		2.500 (63.50)	A32951-ND	5.59	5.07	7-534206-5
60	B	3.000 (76.20)	A32952-ND	6.63	6.00	8-534206-0
64		3.200 (81.28)	A32953-ND	6.84	6.20	8-534206-2
Fig. 6 — Mod. IV, Top Entry, End Stackable, Low Profile, .100 x .100 (2.54 x 2.54mm) Mounting Pattern						
8		.400 (10.16)	A26485-ND	1.11	1.01	534998-4
10		.500 (12.70)	A26486-ND	1.40	1.28	534998-5
12	B	.600 (15.24)	A26487-ND	1.56	1.42	534998-6
14		.700 (17.78)	A26488-ND	1.72	1.56	534998-7
16		.800 (20.32)	A26489-ND	1.93	1.76	534998-8
20		1.000 (25.40)	A26490-ND	2.33	2.12	1-534998-0
24		1.200 (30.48)	A26491-ND	2.65	2.40	1-534998-2
26	B	1.300 (33.02)	A26492-ND	2.86	2.60	1-534998-3
28		1.400 (35.56)	A26493-ND	3.02	2.74	1-534998-4
30		1.500 (38.10)	A26494-ND	3.23	2.93	1-534998-5
32		1.600 (40.64)	A26495-ND	3.42	3.10	1-534998-6
34		1.700 (43.18)	A26496-ND	3.60	3.27	1-534998-7
36	B	1.800 (45.72)	A26497-ND	3.79	3.44	1-534998-8
40		2.000 (50.80)	A26498-ND	4.19	3.80	2-534998-0
50		2.500 (63.50)	A26499-ND	5.14	4.66	2-534998-5
60		3.000 (76.20)	A26500-ND	6.10	5.52	3-534998-0
Fig. 6 — Mod. IV, Top Entry, End Stackable, Low Profile, .100 x .100 (2.54 x 2.54mm) Mounting Pattern NEW! RoHS Compliant NEW!						
8		.400 (10.16)	A32954-ND	1.22	1.11	5-534998-4
10		.500 (12.70)	A32955-ND	1.51	1.37	5-534998-5
12	B	.600 (15.24)	A32956-ND	1.70	1.54	5-534998-6
14		.700 (17.78)	A32957-ND	1.86	1.68	5-534998-7
16		.800 (20.32)	A32958-ND	2.09	1.90	5-534998-8
20		1.000 (25.40)	A32959-ND	2.49	2.26	6-534998-0
24		1.200 (30.48)	A32960-ND	2.89	2.62	6-534998-2
26	B	1.300 (33.02)	A32961-ND	3.05	2.76	6-534998-3
28		1.400 (35.56)	A32962-ND	3.29	2.98	6-534998-4
30		1.500 (38.10)	A32963-ND	3.52	3.20	6-534998-5
32		1.600 (40.64)	A32964-ND	3.71	3.36	6-534998-6
34		1.700 (43.18)	A32965-ND	3.90	3.53	6-534998-7
36	B	1.800 (45.72)	A32966-ND	4.11	3.72	6-534998-8
40		2.000 (50.80)	A32967-ND	4.56	4.13	7-534998-0
50		2.500 (63.50)	A32968-ND	5.54	5.02	7-534998-5
60		3.000 (76.20)	A32969-ND	6.55	5.93	8-534998-0
Fig. 7 — Mod. IV, Bottom Entry, End Stackable, Low Profile, .100 x .300 (2.54 x 7.62mm) Mounting Pattern						
14		.700 (17.78)	A26501-ND	1.86	1.68	534267-1
20		1.000 (25.40)	A26502-ND	2.44	2.21	534267-2
30	B	1.500 (38.10)	A26503-ND	3.39	3.08	1-534267-2
36		1.800 (45.72)	A26504-ND	3.95	3.58	1-534267-5
40		2.000 (50.80)	A26505-ND	4.35	3.94	534267-7
48	B	2.400 (60.96)	A26506-ND	5.09	4.61	1-534267-1
60		3.000 (76.20)	A26507-ND	6.20	5.62	534267-8
Fig. 7 — Mod. IV, Bottom Entry, End Stackable, Low Profile, .100 x .300 (2.54 x 7.62mm) Mounting Pattern NEW! RoHS Compliant NEW!						
14		.700 (17.78)	A32970-ND	2.01	1.83	5-534267-1
20		1.000 (25.40)	A32971-ND	2.65	2.40	5-534267-2
30	B	1.500 (38.10)	A32972-ND	3.63	3.29	5-534267-2
36		1.800 (45.72)	A32973-ND	4.27	3.87	6-534267-5
40		2.000 (50.80)	A32974-ND	4.69	4.25	5-534267-7
60		3.000 (76.20)	A32976-ND	6.68	6.05	5-534267-8

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Steel Tin Plated Shell HD-20 Series (Fig. 1): • Contact Mating Area Plating: 30µ gold • Eyelets: Brass, Tin Plated • Threaded Inserts: Zinc • Female Screwlock: Zinc • Boardlocks: Copper Alloy, Tin-Lead Plated • Pin Contacts: Brass

Zinc Plated Shell HDP-20 Series (Fig. 2): • Contact Mating Area Plating: Gold Flash • Grounding Inserts: Without • Recommended PCB Thickness: .062 (1.57mm).

Steel Tin Plated Shell HD-20 Series (Fig. 2): • Contact Mating Area Plating: 30µ gold • Grounding Inserts: On Male Plug • Recommended PCB Thickness: .093 (2.36mm)

Fig. 1

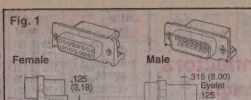
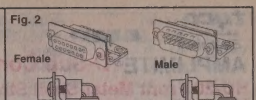


Fig. 2



A

Fig.	No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
Steel, Tin Plated Shell, .318" (8.08mm) Mount, without Boardlocks, with Threaded Inserts						
1	9	Male	A32072-ND*	3.53	2.95	5747250-4
	9	Female	A32075-ND*	3.06	2.56	5745781-4
	9	Male	A32088-ND*	6.15	5.13	5747250-3
	9	Female	A32106-ND*	3.75	3.13	5745781-3
	15	Male	A32073-ND*	8.13	6.78	5747236-4
	15	Female	A32076-ND*	3.75	3.13	5745782-4
	15	Male	A32074-ND*	6.26	5.24	5747238-4
	25	Female	A32077 ND*	4.43	3.69	5745783-4
	25	Female	A32111-ND§	7.11	5.93	5745783-3
	25	Male	A32099-ND*	17.88	14.90	7472524-4
	37	Male	A32162-ND*§	16.08	13.40	5747252-4
	37	Female	A32075-ND§	6.81	5.68	5745784-4
Steel, Tin Plated Shell, .318" (8.08mm) Mount, without Boardlocks, with Standard Mounting Holes						
1	9	Female	A32105-ND*§	7.32	6.10	5745781-2
	15	Male	A32086-ND*§	6.48	5.40	5747236-2
	15	Female	A32394-ND*	8.94	7.45	745782-2
	25	Male	A32108-ND*§	8.61	7.18	5745782-2
	25	Male	A32087-ND*§	6.00	5.00	5747238-2
	25	Female	A32110-ND*§	10.29	8.58	5745783-2
Steel, Tin Plated Shell, .318" (8.08mm) Mount, without Boardlocks, with Fixed Female Screwlocks						
1	9	Male	A32089-ND*§	6.99	5.83	5747250-6
	9	Female	A32107-ND§	6.90	5.75	5745781-6
	9	Female	A32109-ND*§	8.01	6.68	5745782-6
	25	Male	A32113-ND*§	9.42	7.85	5745783-6
	25	Female	A32112-ND§	3.60	3.01	5745783-5
	37	Female	A23300-ND*	10.98	9.15	745784-6
	37		A32114-ND*§	10.56	8.80	5745784-6
Steel, Tin Plated Shell, .318" (8.08mm) Mount with Boardlocks, with Standard Mounting Holes						
1	9	Male	A32075-ND*	7.05	5.88	747840-2
	9	Male	A32090-ND*§	6.99	5.83	5747840-2
	9	Female	A32115-ND*§	2.72	2.28	5747844-2
	25	Male	A23283-ND*	9.87	8.23	747842-2
	25	Male	A32098-ND*§	9.54	7.95	5747842-2
	25	Female	A32124-ND*§	5.11	4.26	5747846-2
Steel, Tin Plated Shell, .318" (8.08mm) Mount, with Boardlocks, with Threaded Inserts						
1	9	Male	A32092-ND*§	2.31	1.93	5747840-4
	9	Female	A32117-ND*§	2.72	2.27	5747844-4
	9	Male	A32091-ND§	2.87	2.40	5747840-3
	9	Female	A32116-ND§	2.86	2.39	5747844-3
	15	Male	A32096-ND*§	3.00	2.51	5747844-5
	15	Female	A32123-ND*§	2.74	2.29	5747845-4
	15	Male	A32095-ND§	7.11	5.93	5747841-3
	25	Female	A32120-ND§	2.25	1.88	5747845-3
	25	Male	A32100-ND*§	5.24	4.37	5747842-4
	25	Female	A32126-ND*§	4.19	3.50	5747846-4
	25	Male	A32099-ND§	7.65	6.38	5747842-3
	25	Female	A32125-ND§	3.74	3.12	5747846-3
	37	Male	A32103-ND*§	4.77	3.98	5747843-4
	37	Female	A32129-ND*§	6.81	5.68	5747847-4
Steel, Tin Plated Shell, .318" (8.08mm) Mount, with Boardlocks, with Fixed Female Screwlocks						
1	9	Male	A32094-ND*§	3.28	2.74	5747840-6
	9	Male	A32119-ND*§	2.72	2.27	5747844-6
	9	Male	A32093-ND§	6.54	5.45	5747840-5
	9	Female	A32118-ND§	2.86	2.39	5747844-5
	15	Male	A32097-ND*§	3.00	2.51	5747841-6
	15	Female	A32122-ND*§	8.37	6.98	5747845-6
	15	Male	A23308-ND§	7.77	6.48	747845-5
	15	Female	A32122-ND§§	6.99	5.83	5747845-5
	25	Male	A32102-ND*§	9.99	8.33	5747842-6
	25	Female	A32128-ND*§	4.82	4.02	5747846-6
	25	Male	A23286-ND§	7.39	6.17	747842-5
	25	Male	A32101-ND§§	7.65	6.38	5747842-5
	25	Female	A23313-ND§	3.85	3.21	747846-5
	25	Female	A32127-ND§§	3.47	2.89	5747846-5
	37	Male	A23290-ND*	16.08	13.40	747843-6
	37	Male	A32104-ND*§	14.49	12.08	5747843-6
	37	Female	A23316-ND*	7.56	6.30	747847-6
	37	Female	A32130-ND*§	6.81	5.68	5747847-6
All-Plastic .318" (8.08mm) Mount, with Boardlocks, with Threaded Inserts						
1	25	Female	A33975-ND*§ **NEW!**	9.39	7.83	5748901-1
All-Plastic .318" (8.08mm) Mount, with Boardlocks, with Fixed Female Screwlocks						
1	9	Female	A23343-ND*	10.53	8.78	748979-1
	25		A33976-ND*§ **NEW!**	9.48	7.90	5748979-1
All-Plastic .318" (8.08mm) Mount, without Boardlocks, with Threaded Inserts						
1	9	Female	A23338-ND*	6.36	5.30	745394-2
	9		A33977-ND*§ **NEW!**	6.27	5.23	5745394-2
	25		A32131-ND*§	8.67	7.23	5745392-2
All-Plastic .318" (8.08mm) Mount, without Boardlocks, with Fixed Female Screwlocks						
1	9	Female	A23339-ND*	7.86	6.55	745395-2
	9		A33978-ND*§ **NEW!**	7.08	5.90	5745395-2

Fig.	No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
1	15	Female	A23340-ND*	8.04	6.70	745396-2
	15		A33979-ND*§ **NEW!**	7.98	6.65	5745396-2
	25		A23341-ND*	20.16	16.80	745397-2
	25		A32132-ND*§	10.23	8.53	5745397-2
All-Plastic .318" (8.08mm) Mount, without Boardlocks, with Standard Mounting Holes						
1	9	Female	A23334-ND§	6.21	5.18	745131-1
	9		A33980-ND§ **NEW!**	5.82	4.85	5745131-1
	25		A23335-ND*	13.89	11.58	745132-2
	25		A33981-ND*§ **NEW!**	12.96	10.80	5745132-2
Steel, Tin Plated .590" (14.99mm) Mount, without Boardlocks, with Threaded Inserts						
1	9	Male	A32079-ND*§	11.91	9.93	5745990-4
	9	Female	A32081-ND*§	17.55	14.63	5745988-4
	9	Male	A32133-ND§§	14.73	12.28	5745990-3
	15	Female	A32084-ND*§	20.13	16.78	5745984-4
	25	Male	A2106-ND*	21.93	18.28	745994-4
	25	Male	A32081-ND*§	21.33	17.78	5745994-4
	25	Female	A23349-ND§	28.32	23.60	745992-3
	25	Female	A32137-ND§§	19.05	15.88	5745992-3
	37	Female	A32085-ND*§	27.15	22.63	5745996-4
Steel, Tin Plated .590" (14.99mm) Mount, with Boardlocks, with Threaded Inserts						
1	9	Male	A32134-ND*§	9.42	7.85	5747832-4
	9	Female	A23351-ND*	8.97	7.48	747836-4
	9	Female	A32138-ND*§	8.10	6.75	5747836-4
	9	Male	A23345-ND§	15.90	13.25	747832-3
	15	Male	A32080-ND*§	9.36	7.80	5747833-4
	25	Male	A32136-ND*§	5.67	4.73	5747834-4
	25	Female	A32141-ND*§	4.83	4.03	5747838-4
	25	Female	A32140-ND§§	19.77	16.48	5747838-3
	37	Male	A2107-ND*	10.95	9.13	747835-4
	37	Male	A32082-ND*§	10.65	8.88	5747835-4
Steel, Tin Plated .590" (14.99mm) Mount, with Boardlocks, with Fixed Female Screwlocks						
1	9	Male	A32135-ND§§	18.60	15.50	5747832-6
	9	Female	A32139-ND*§	7.92	6.60	5747836-6
All-Plastic .590" (14.99mm) Mount, without Boardlocks, with Threaded Inserts						
1	9	Male	A23375-ND*	6.99	5.83	747467-4
	9	Male	A33982-ND*§ **NEW!**	6.27	5.23	5747467-4
	9	Female	A33983-ND*§ **NEW!**	7.23	6.03	5747459-4
	9	Female	A33984-ND§§ **NEW!**	7.08	5.90	5747459-3
	15	Female	A23371-ND§	6.48	5.40	747460-3
	15	Female	A33985-ND§§ **NEW!**	6.45	5.38	5747460-3
	25	Male	A23377-ND*	10.74	8.95	748873-1
	25	Male	A33986-ND*§ **NEW!**	10.62	8.85	5748873-1
	25	Female	A23366-ND§	7.08	5.90	747461-3
	25	Female	A33987-ND§§ **NEW!**	6.99	5.83	5747461-3
All-Plastic .590" (14.99mm) Mount, without Boardlocks, with Fixed Female Screwlocks						
1	9	Female	A23370-ND*	7.32	6.10	747459-6
	9	Female	A33988-ND*§ **NEW!**	7.26	6.05	5747459-6
	9	Female	A33989-ND§§ **NEW!**	6.72	5.60	5747459-5
	15	Male	A33990-ND*§ **NEW!**	9.69	8.08	5748952-1
	25	Female	A33991-ND*§ **NEW!**	8.64	7.20	5747461-6
	25	Female	A23367-ND§	8.16	6.80	747461-5
	25	Female	A33992-ND§§ **NEW!**	8.10	6.75	5747461-5
All-Plastic .590" (14.99mm) Mount, without Boardlocks, with Standard Mounting Holes						
1	9	Female	A23357-ND*	5.79	4.83	747459-2
	9	Female	A33993-ND*§ **NEW!**	5.37	4.48	5747459-2
	9	Male	A23373-ND§	6.03	5.03	747467-1
	9	Male	A33994-ND§§ **NEW!**	5.64	4.70	5747467-1
	15	Male	A23376-ND*	6.57	5.48	747468-2
	15	Male	A33995-ND*§ **NEW!**	6.12	5.10	5747468-2
	25	Male	A23379-ND*	8.43	7.03	748826-1
	25	Male	A33996-ND*§ **NEW!**	7.86	6.55	5748826-1
	25	Female	A23365-ND*	6.96	5.80	747461-2
	25	Female	A33997-ND*§ **NEW!**	6.51	5.43	5747461-2
	25	Female	A23364-ND§	6.54	5.45	747461-1
	25	Female	A33998-ND§§ **NEW!**	6.09	5.08	5747461-1
	37	Male	A23378-ND*	10.29	8.58	747470-2
	37	Male	A33999-ND*§ **NEW!**	9.60	8.00	5747470-2
	37	Female	A23369-ND§	9.99	8.33	747462-2
	37	Female	A34000-ND*§ **NEW!**	9.33	7.78	5747462-2
Steel, Tin Plated Shell, .454" (11.53mm) Mount						
2	9	Male	A32142-ND§	20.43	17.03	5745434-8
	25	Female	A23391-ND	29.70	24.75	745440-4
	25	Female	A32144-ND§	29.43	24.53	5745440-4
	37	Male	A32145-ND§	34.50	28.75	5745441-4
	37	Male	A32143-ND§§	32.01	26.68	5745437-3
Zinc Plated Shell, .545" (13.84mm) Mount						
2	9	Male	A32064-ND§	16.32	13.60	5205865-1
	9	Female	A1021-ND	18.27	15.23	205866-1
	9	Female	A32065-ND§	17.10	14.25	5205866-1
	15	Female	A32067-ND§	23.19	19.33	5205868-1
	25	Male	A1024-ND*	27.06	22.55	205857-1
	25	Male	A32068-ND*§	25.29	21.08	5205857-1
	25	Female	A1025-ND‡	25.44	21.20	205858-1
	25	Female	A32069-ND‡§	23.76	19.80	5205858-1
	25	Female	A29094-ND‡	29.97	24.98	205858-2

Fig.	No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
2	37	Male	A32070-ND‡§	26.16	21.80	5205859-1
	37	Female	A1027-ND	35.07	29.23	205860-1
	37		A32071-ND§	32.79	27.33	5205860-1
Steel, Tin Plated Shell, .545" (13.84mm) Mount, with Standard Mounting Screws						
2	15	Male	A32066-ND§	19.77	16.48	5745352-4
	15	Female	A32151-ND§	20.79	17.33	5745113-2
	25	Female	A32152-ND§	24.33	20.28	5745114-2
	37	Male	A32146-ND§	33.90	28.25	5745354-4
	37	Female	A32153-ND§	64.77	53.98	5745115-2
	50	Male	A32147-ND§	36.00	30.00	5745355-4
	50	Female	A32155-ND§	38.67	32.23	5745116-2
	50		A32154-ND§	41.55	34.63	5745116-1
Steel, Tin Plated Shell, .545" (13.84mm) Mount, with Female Screwlocks						
2	9	Male	A23397-ND	32.46	27.05	747197-4
	9	Male	A32149-ND§	32.16	26.80	5747197-4
	9	Female	A34001-ND§ **NEW!**	25.38	21.15	5747020-2
	9	Female	A32161-ND§	20.91	17.43	5747020-1
	15	Female	A32157-ND§	42.90	35.75	5747021-2
	25	Male	A32148-ND§	27.87	23.23	5747022-2
	25	Female	A32156-ND§	26.91	22.43	5745536-2
	50	Male	A23398-ND	43.26	36.05	747497-4
	50	Male	A32150-ND§	38.97	32.48	5747497-4
	50	Female	A23409-ND	44.73	37.28	747193-2
	50	Female	A32159-ND§	40.26	33.55	5747193-2
	50		A23408-ND‡	41.88	34.90	747193-1
	50		A32158-ND‡§	37.71	31.43	5747193-1

* 30µ Gold † Tin shell ‡ Gold flash on mating end § *RoHS Compliant*

HDJ-20 All Plastic Jacketed Cable Connector

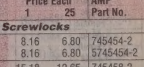
Use with HDP-20 Crimp Snap-In Contacts (sold separately)

No. of Pos.	Description	Digi-Key Part No.	Price Each 1	25	AMP Part No.
9	Receptacle	A23471-ND*	.92	.77	207752-3
	Plug	A23472-ND*	2.94	2.45	745018-1
	Plug	A34002-ND§ **NEW!**	2.91	2.43	5745018-1
	Steel Stain Relief	A23464-ND	.19	.16	61831-1

No. of Pos.	Dim. Inch (mm) A	Digi-Key Part No.	Price Each 1	25	AMP Part No.
HDJ-20 Standard Cord Guards - Black Thermoplastic					
9	.234 (5.94)	A23465-ND	1.00	.84	207753-1
HDJ-20 Squeeze-to-Release Cord Guards - Black Thermoplastic					
9	.265 (6.73)	A23467-ND	1.49	1.25	745002-2

* 94V-0 rated thermoplastic black § *RoHS Compliant*

HD-20 All-Plastic Straight Posted with ACTION PIN

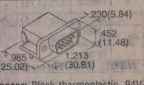


No. of Pos.	Sex	Profile	Digi-Key Part No.	Price Each 1	25	AMP Part No.
With Fixed Female Screwlocks						
9	Female	Low	A23136-ND	16.8	6.80	745454-2
			A32054-ND§	8.16	6.80	5745454-2
25	Female	Low	A23137-ND	15.18	12.65	745458-2
			A32055-ND§	13.26	11.05	5745458-2
37	Female	Low	A32056-ND§	16.47	13.73	5745459-2

§ *RoHS Compliant*

Plug Assemblies

HDJ-20 All-Plastic Plug Assemblies with Right-Angle Posted Contacts



Material and Finish: Housing and Post Spacer: Black thermoplastic, 94V-2 rated **Pin Contacts (Posted):** Brass, plated as follows: **A:** Gold flash on mating end, tin-lead on solder posts, entire contact nickel underplated

No. of Positions	Plating Type	Digi-Key Part No.	Price Each 1	25	AMP Part No.
9	A	A23474-ND	9.03	7.53	745001-3
		A34003-ND§ **NEW!**	8.43	7.03	5745001-3

§ *RoHS Compliant*

tyco Electronics AMP

AMPLIMITE® D-Sub Connectors

HD-20 Front Metal-Shell Straight Posted with ACTION PIN

Material and Finish: Front Shell: Steel, tin plated **Housing:** 94V-0 rated thermoplastic, black **Threaded Inserts:** Brass, unplated **Female Screwlocks:** Zinc **Action Pin Contacts:** Copper alloy duplex plated **Plating (except 749892-1):** 30µ gold on mating end, tin-lead on Action Pin post surface, with entire contact 50µ (minimum) nickel underplated; **Plating for 749892-1 only:** Gold flash on mating end, tin-lead on Action Pin post surface, with entire contact 50µ (minimum) nickel underplated

Female w/Standard Mtg. Holes | Male w/Threaded Insert | Male w/Fixed Female Screwlock

No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
With Standard Mounting Holes					
9	Female	A23116-ND	6.99	5.83	747089-2
	Male	A23030-ND§	6.99	5.83	5747089-2
15	Female	A23116-ND	9.33	7.78	747141-2
	Male	A23042-ND§	9.30	7.75	5747141-2
25	Female	A23040-ND§	9.09	7.58	5745925-2
	Male	A23049-ND§	31.32	26.10	5748146-4
37	Female	A23047-ND§	16.41	13.68	5747714-2
	Male	A23051-ND§	41.55	34.63	5786534-1
50	Female	A23123-ND	18.87	15.73	747144-2
	Male	A23033-ND§	18.90	15.75	5747144-2
	Male	A23034-ND§	71.55	59.63	5749892-1
With Fixed Female Screwlocks					
9	Female	A23032-ND§	9.06	7.55	5747091-2
15	Female	A23043-ND§	10.02	8.35	5747142-2
	Male	A23053-ND§	15.72	13.10	5787177-1
25	Female	A23029-ND§	9.75	8.13	5745928-2
	Male	A23129-ND	16.95	14.13	748146-6
	Male	A23050-ND§	14.37	11.98	5748146-6
37	Female	A23048-ND§	16.11	13.43	5747715-2
50	Female	A23124-ND	21.12	17.60	747145-2
		A23045-ND§	20.37	16.98	5747145-2

§ *RoHS Compliant*

HD-20 All-Plastic Straight Posted

Material and Finish: Housing: 94V-0 rated thermoplastic, black **Threaded Inserts:** Brass, unplated **Female Screwlocks:** Brass, nickel plated **Pin Contacts:** Brass plated, tin-lead on termination end, with entire contact 50µ (minimum) nickel underplated

No. of Pos.	Sex	Dim. A In. (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
With Standard Mounting Holes						
9	Male	.125 (3.18)	A22238-ND‡	4.83	4.03	208006-2
	Female		A23238-ND‡	5.40	4.50	207826-4
	Male		A23217-ND‡	4.59	3.83	208006-1
15	Male	.125 (3.18)	A23220-ND‡	5.91	4.93	208007-2
	Female		A23240-ND‡	6.39	5.33	207827-4
25	Female	.125 (3.18)	A23222-ND‡	7.71	6.43	208008-2
	Male		A23243-ND‡	8.67	7.23	207828-4
	Male		A23221-ND‡	6.72	5.60	208008-1
	Female		A23242-ND‡	7.44	6.20	207828-3
37	Female	.125 (3.18)	A23245-ND‡	13.98	11.65	207829-4
	Male		A23223-ND‡	9.87	8.23	208009-1
50	Male	.125 (3.18)	A23225-ND‡	16.29	13.58	208010-2
NEW! With Standard Mounting Holes – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A34004-ND‡	4.53	3.78	5208006-2
	Female		A34005-ND‡	5.04	4.20	5207826-4
	Male		A34006-ND‡	4.29	3.58	5208006-1
	Female		A32060-ND‡	4.38	3.65	5207826-3
15	Male	.125 (3.18)	A34007-ND‡	5.55	4.63	5208007-2
	Female		A32061-ND‡	5.97	4.98	5207827-4
	Male		A34008-ND‡	7.23	6.03	5208008-2
25	Female	.125 (3.18)	A34009-ND‡	8.13	6.78	5207828-4
	Male		A34010-ND‡	6.27	5.23*	5208008-1
	Female		A34011-ND‡	6.96	5.80	5207828-3
37	Female	.125 (3.18)	A34012-ND‡	13.05	10.88	5207829-4
	Male		A34013-ND‡	9.24	7.70	5208009-1
50	Male	.125 (3.18)	A34014-ND‡	15.24	12.70	5208010-2
With Threaded Inserts						
9	Female	.125 (3.18)	A23248-ND‡	6.87	5.73	207841-4
			A23247-ND‡	6.54	5.45	207841-3
15	Female	.125 (3.18)	A23250-ND‡	9.69	8.08	745057-4
	Male		A23228-ND‡	9.99	8.33	745053-2
25	Female	.125 (3.18)	A23252-ND‡	12.03	10.03	745058-4
	Male		A23251-ND‡	9.45	7.88	745058-3
NEW! With Threaded Inserts – RoHS Compliant NEW!						
9	Female	.125 (3.18)	A34015-ND‡	6.45	5.38	5207841-4
			A34016-ND‡	6.09	5.08	5207841-3
15	Female	.125 (3.18)	A34017-ND‡	9.06	7.55	5745057-4
	Male		A34018-ND‡	9.33	7.78	5745053-2
25	Female	.125 (3.18)	A34019-ND‡	11.25	9.38	5745058-4
	Male		A34020-ND‡	8.79	7.33	5745058-3
With Fixed Female Screwlocks						
9	Male	.125 (3.18)	A23230-ND‡	7.23	6.03	745071-2
	Female		A23255-ND‡	6.66	5.55	745076-4
	Male		A23229-ND‡	7.35	6.13	745071-1

No. of Pos.	Sex	Dim. A In. (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
9	Female	.125 (3.18)	A23254-ND‡	6.00	5.00	745076-3
	Male	.170 (4.32)	A23231-ND‡	7.50	6.25	745071-4
15	Female	.125 (3.18)	A23258-ND‡	9.42	7.85	745077-4
	Female	.125 (3.18)	A23257-ND‡	8.52	7.10	745077-3
	Male	.170 (4.32)	A23232-ND‡	10.08	8.40	745072-4
25	Male	.125 (3.18)	A23234-ND‡	9.24	7.70	745073-2
	Female	.125 (3.18)	A23261-ND‡	10.50	8.75	745078-4
	Male	.125 (3.18)	A23233-ND‡	9.81	8.18	745073-1
	Female	.125 (3.18)	A23260-ND‡	9.09	7.58	745078-3
	Female	.170 (4.32)	A23263-ND‡	11.88	9.90	745078-5
37	Female	.125 (3.18)	A23265-ND‡	14.67	12.23	745079-4
	Male	.170 (4.32)	A23236-ND‡	18.60	15.50	745074-4
	Female	.170 (4.32)	A23266-ND‡	16.86	14.05	745079-6
NEW! With Fixed Female Screwlocks – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A34021-ND‡	6.99	5.83	5745071-2
	Female	.125 (3.18)	A34022-ND‡	6.42	5.35	5745076-4
	Male	.125 (3.18)	A34023-ND‡	6.87	5.73	5745071-1
	Female	.125 (3.18)	A34024-ND‡	5.61	4.68	5745076-3
	Male	.170 (4.32)	A34025-ND‡	6.99	5.83	5745071-4
	Female	.170 (4.32)	A32062-ND‡	7.20	6.00	5745076-6
15	Female	.125 (3.18)	A34026-ND‡	8.79	7.33	5745077-4
	Female	.125 (3.18)	A34027-ND‡	7.95	6.63	5745077-3
	Male	.170 (4.32)	A34028-ND‡	9.42	7.85	5745072-4
25	Male	.125 (3.18)	A34029-ND‡	9.81	8.18	5745073-2
	Female	.125 (3.18)	A34030-ND‡	9.84	8.20	5745078-4
	Male	.125 (3.18)	A34031-ND‡	9.12	7.60	5745073-1
	Female	.125 (3.18)	A34032-ND‡	8.46	7.05	5745078-3
	Female	.170 (4.32)	A32063-ND‡	10.20	8.50	5745078-6
	Female	.170 (4.32)	A34033-ND‡	11.10	9.25	5745078-5
37	Female	.125 (3.18)	A34034-ND‡	13.71	11.43	5745079-4
	Male	.170 (4.32)	A34035-ND‡	17.40	14.50	5745074-4
	Female	.170 (4.32)	A34036-ND‡	15.78	13.15	5745079-6

* 30µ gold on mating end ‡ Gold flash on mating end

HD-20 Full Metal-Shell Straight Posted

Material and Finish: Shell: Steel, tin plated **Insert:** 94V-0 rated thermoplastic, black **Pin Contacts:** Brass plated, tin-lead on termination end, with entire contact 50µ (minimum) nickel underplated

No. of Pos.	Sex	Dim. A In. (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
Without Grounding Indents						
9	Male	.125 (3.18)	A23139-ND‡	5.13	4.28	745182-2
25	Male	.125 (3.18)	A23140-ND‡	8.58	7.15	745186-2
NEW! Without Grounding Indents – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A34037-ND‡	4.80	4.00	5745182-2
25	Male	.125 (3.18)	A34038-ND‡	8.01	6.68	5745186-2
With Grounding Indents						
9	Male	.125 (3.18)	A23141-ND*	6.09	5.08	745410-1
		.188 (4.78)	A23142-ND*	7.77	6.48	745410-7
25	Male	.125 (3.18)	A23143-ND*	7.02	5.85	745412-1
		.188 (4.78)	A23144-ND*	10.83	9.03	745412-7
37	Male	.125 (3.18)	A23145-ND*	17.10	14.25	745413-1
50	Male	.125 (3.18)	A23146-ND*	21.00	17.50	745414-1
		.188 (4.78)	A23147-ND*	18.72	15.60	745414-7
NEW! With Grounding Indents – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A34039-ND*	5.70	4.75	5745410-1
		.188 (4.78)	A34040-ND*	7.26	6.05	5745410-7
25	Male	.125 (3.18)	A34041-ND*	6.57	5.48	5745412-1
		.188 (4.78)	A34042-ND*	10.11	8.43	5745412-7
37	Male	.125 (3.18)	A34043-ND*	15.96	13.30	5745413-1
50	Male	.125 (3.18)	A34044-ND*	19.62	16.35	5745414-1
		.188 (4.78)	A34045-ND*	17.52	14.60	5745414-7
With .120" (3.05mm) Mounting Holes						
9	Female	.125 (3.18)	A23149-ND‡	5.91	4.93	745183-2
		.188 (4.78)	A23150-ND‡	6.66	5.55	745183-7
15	Female	.125 (3.18)	A23148-ND‡	9.00	7.50	745185-7
25	Female	.125 (3.18)	A23151-ND‡	10.32	8.60	745187-1
		.188 (4.78)	A23152-ND‡	11.10	9.25	745187-7
		.188 (4.78)	A23153-ND‡	9.48	7.90	745187-8
37	Female	.188 (4.78)	A23155-ND‡	16.17	13.48	745189-7
50	Female	.125 (3.18)	A23156-ND‡	19.29	16.08	745191-1
		.188 (4.78)	A23157-ND‡	19.12	16.18	745191-7
With .120" (3.05mm) Mounting Holes NEW! RoHS Compliant NEW!						
9	Female	.125 (3.18)	A34046-ND‡	5.55	4.63	5745183-2
		.188 (4.78)	A34047-ND‡	6.21	5.18	5745183-7
15	Female	.188 (4.78)	A34048-ND‡	8.40	7.00	5745185-7
25	Female	.125 (3.18)	A34049-ND‡	9.63	8.03	5745187-1
		.188 (4.78)	A34050-ND‡	10.38	8.65	5745187-7
		.188 (4.78)	A34051-ND‡	8.85	7.38	5745187-8
37	Female	.125 (3.18)	A34052-ND‡	14.43	12.03	5745189-1
		.188 (4.78)	A34053-ND‡	15.12	12.60	5745189-7
50	Female	.125 (3.18)	A34054-ND‡	18.00	15.00	5745191-1
		.188 (4.78)	A34055-ND‡	18.03	15.03	5745191-7
With Clinch Nuts						
9	Female	.125 (3.18)	A23163-ND‡	8.46	7.05	747190-1
		.125 (3.18)	A23164-ND‡	8.49	7.08	747190-2
		.188 (4.78)	A23165-ND‡	10.32	8.60	747190-4
15	Female	.125 (3.18)	A23158-ND‡	10.44	8.70	745820-1
		.125 (3.18)	A23159-ND‡	9.99	8.33	745820-2
25	Female	.125 (3.18)	A23161-ND‡	11.85	9.88	745886-1
		.125 (3.18)	A23162-ND‡	12.24	10.20	745886-2
37	Female	.125 (3.18)	A23167-ND‡	17.10	14.25	747315-1
NEW! With Clinch Nuts – RoHS Compliant NEW!						
9	Female	.125 (3.18)	A34056-ND‡	7.92	6.60	5747190-2
		.125 (3.18)	A34057-ND‡	7.89	6.58	5747190-1
		.188 (4.78)	A34058-ND‡	9.60	8.00	5747190-4
15	Female	.125 (3.18)	A34059-ND‡	9.81	8.18	5745820-1
		.125 (3.18)	A34060-ND‡	9.33	7.78	5745820-2
25	Female	.125 (3.18)	A34061-ND‡	11.04	9.20	5745886-1
		.125 (3.18)	A34062-ND‡	11.46	9.55	5745886-2
37	Female	.125 (3.18)	A34063-ND‡	15.96	13.30	5747315-1

* 30µ gold on mating end ‡ Gold flash on mating end

HD-20 Front Metal-Shell Straight Posted

Material and Finish: Shell: Steel, tin plated **Housing:** 94V-0 rated thermoplastic, black **Threaded Inserts:** Brass, unplated **Female Screwlocks:** Zinc **Pin Contacts:** Brass plated, tin-lead on termination end, with entire contact 50µ (minimum) nickel underplated

No. of Pos.	Sex	Dim. A Inch (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
With Standard Mounting Holes						
9	Male	.125 (3.18)	A23183-ND*	4.47	3.73	747871-2
	Female	.170 (4.32)	A23207-ND*	11.01	9.18	5747150-4
15	Female	.125 (3.18)	A23211-ND*	7.59	6.33	747299-2
	Male	.170 (4.32)	A23185-ND*	5.40	4.50	747872-4
25	Male	.125 (3.18)	A23177-ND*	6.99	5.83	745968-2
	Female	.125 (3.18)	A23203-ND*	7.62	6.35	745967-2
	Male	.170 (4.32)	A23178-ND*	8.28	6.90	745968-4
37	Male	.125 (3.18)	A23181-ND*	11.67	9.73	747375-2
NEW! With Standard Mounting Holes – RoHS Compliant NEW!						
9	Female	.125 (3.18)	A23208-ND*	4.35	3.63	5747150-2
	Male	.125 (3.18)	A34064-ND*	4.20	3.50	5747871-2
	Female	.170 (4.32)	A34065-ND*	10.29	8.58	5747150-4
15	Female	.125 (3.18)	A34066-ND*	7.11	5.93	5747299-2
	Male	.170 (4.32)	A34067-ND*	5.07	4.23	5747872-4
25	Male	.125 (3.18)	A34068-ND*	6.57	5.48	5745968-2
	Female	.125 (3.18)	A34069-ND*	7.14	5.95	5745967-2
	Male	.170 (4.32)	A34070-ND*	7.74	6.45	5745968-4
37	Male	.125 (3.18)	A34071-ND*	10.92	9.10	5747375-2
	Female	.125 (3.18)	A32039-ND*	12.51	10.43	5747301-2
With 4-40 Threaded Inserts						
9	Female	.125 (3.18)	A23209-ND*	6.81	5.68	747150-8
	Male	.125 (3.18)	A23208-ND*	6.36	5.30	747150-7
	Female	.170 (4.32)	A23210-ND*	5.22	4.35	747150-9
15	Male	.125 (3.18)	A23186-ND*	6.93	5.78	747872-8
	Female	.125 (3.18)	A23213-ND*	6.30	5.25	747299-8
	Male	.125 (3.18)	A23212-ND‡	7.98	6.65	747299-7
25	Male	.125 (3.18)	A23180-ND*	8.55	7.13	745968-8
	Female	.125 (3.18)	A23205-ND*	8.91	7.43	745967-8
	Male	.125 (3.18)	A23179-ND‡	7.68	6.40	745968-7
	Female	.125 (3.18)	A23204-ND*	7.44	6.20	745967-7
	Male	.170 (4.32)	A23188-ND*	9.93	8.28	1-745967-0
37	Male	.125 (3.18)	A23182-ND*	14.79	12.33	747375-8
	Male	.125 (3.18)	A23216-ND*	13.32	11.10	747301-8
	Female	.125 (3.18)	A23215-ND‡	11.91	9.93	747301-7
NEW! With 4-40 Threaded Inserts – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A32035-ND*	6.99	5.83	5747871-8
	Female	.125 (3.18)	A34072-ND*	6.57	5.48	5747150-8
	Male	.125 (3.18)	A34073-ND*	5.94	4.95	5747150-7
	Female	.170 (4.32)	A34074-ND*	5.55	4.63	5747150-9
15	Male	.125 (3.18)	A34075-ND*	6.51	5.43	5747872-8
	Female	.125 (3.18)	A34076-ND*	5.88	4.90	5747299-8
	Male	.125 (3.18)	A34077-ND‡	5.88	4.90	5747299-7
	Male	.125 (3.18)	A34078-ND*	7.98	6.65	5745968-8
	Female	.125 (3.18)	A34079-ND*	8.37	6.98	5745967-8
25	Male	.125 (3.18)	A34080-ND‡	7.17	5.98	5745968-7
	Female	.125 (3.18)	A34081-ND‡	6.96	5.80	5745967-7
	Male	.170 (4.32)	A34082-ND*	9.33	7.78	1-5745967-0
37	Male	.125 (3.18)	A34083-ND*	13.83	11.53	5747375-8
	Male	.125 (3.18)	A34084-ND*	12.45	10.38	5747301-8
	Female	.125 (3.18)	A34085-ND‡	11.13	9.28	5747301-7
With Retention 4-40 Insens (for .062" [1.58mm] PCB)						
15	Female	.125 (3.18)	A23200-ND*	7.86	6.55	2-747707-0
25	Male	.125 (3.18)	A23175-ND*	7.53	6.28	2-747704-0
37	Female	.125 (3.18)	A23202-ND*	14.07	11.73	2-747709-0
With Retention 4-40 Insens (for .062" [1.58mm] PCB) NEW! RoHS Compliant NEW!						
9	Male	.125 (3.18)	A32058-ND*	6.03	5.03	2-5748003-0
	Female	.125 (3.18)	A23036-ND*	6.57	5.48	2-5747706-0
15	Female	.125 (3.18)	A34086-ND*	7.08	5.90	2-5747707-0
25	Male	.125 (3.18)	A34087-ND*	6.78	5.65	2-5747704-0
	Female	.125 (3.18)	A32037-ND*	7.83	6.53	2-5747708-0
37	Female	.125 (3.18)	A34088-ND*	12.69	10.58	2-5747709-0
With Fixed Female Screwlocks						
9	Male	.125 (3.18)	A23171-ND‡	6.09	5.08	1-747871-3
	Female	.125 (3.18)	A23192-ND‡	5.42	4.35	1-747150-3
	Female	.170 (4.32)	A23194-ND‡	8.28	6.90	1-747150-6
	Male	.170 (4.32)	A23173-ND*	7.02	5.85	1-747871-6
15	Female	.125 (3.18)	A23196-ND*	6.96	5.80	1-747299-4
	Male	.170 (4.32)	A23174-ND*	7.98	6.65	1-747872-6
	Female	.170 (4.32)	A23197-ND*	8.01	6.68	1-747299-6
25	Male	.125 (3.18)	A23169-ND*	9.60	8.00	1-745968-4
	Female	.125 (3.18)	A23189-ND*	7.65	6.38	1-745967-4
	Male	.125 (3.18)	A23168-ND‡	8.04	6.70	1-745968-3
	Male	.170 (4.32)	A23170-ND*	8.91	7.43	1-745968-6
	Female	.170 (4.32)	A23191-ND*	8.13	6.78	1-745967-6
	Female	.170 (4.32)	A23190-ND‡	9.87	8.23	1-745967-5
37	Female	.170 (4.32)	A23198-ND*	20.97	17.48	1-747301-6
NEW! With Fixed Female Screwlocks – RoHS Compliant NEW!						
9	Male	.125 (3.18)	A32057-ND*	7.85	6.38	1-5747871-4
	Female	.125 (3.18)	A32059-ND*	6.45	5.38	1-5747150-4
	Male	.125 (3.18)	A34089-ND‡	6.06	5.05	1-5747871-3
	Male	.125 (3.18)	A34090-ND‡	6.18	5.15	1-5747150-3
	Female	.170 (4.32)	A34091-ND*	7.44	6.20	1-5747150-6
	Male	.170 (4.32)	A34092-ND*	6.30	5.25	1-5747871-6
15	Female	.125 (3.18)	A34093-ND*	6.30	5.25	1-5747299-4
	Male	.170 (4.32)	A34094-ND*	7.17	5.98	1-5747872-6
	Female	.170 (4.32)	A34095-ND*	7.23	6.03	1-5747299-6
25	Male	.125 (3.18)	A34096-ND*	8.64	7.20	1-5745968-4
	Female	.125 (3.18)	A34097-ND*	6.90	5.75	1-5745967-4
	Male	.125 (3.18)	A34098-ND‡	7.98	6.65	1-5745968-3
	Male	.170 (4.32)	A34099-ND*	8.79	7.33	1-5745968-6
	Female	.170 (4.32)	A34100-ND*	8.10	6.75	1-5745967-6
	Female	.170 (4.32)	A34101-ND‡	9.84	8.20	1-5745967-5
37	Female	.170 (4.32)	A34102-ND*	18.93	15.78	1-5747301-6
With Retention 4-40 Screwlocks (for .062" [1.58mm] PCB)						
25	Male	.125 (3.18)	A23187-ND*	11.67	9.73	748027-1
With Retention 4-40 Screwlocks (for .062" [1.58mm] PCB) NEW! RoHS Compliant NEW!						
25	Male	.125 (3.18)	A34103-ND*	10.50	8.75	5748027-1

* 30µ gold on mating end ‡ Gold flash on mating end

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tyco Electronics AMP

AMPLIMITE® D-Sub Connectors

HDP-20 Zinc and Tin Plated Metal Shell

Crimp Type — Pins and Sockets Sold Separately

Female

Male

Material and Finish: Shell: Steel, zinc or tin plated **Insert:** 94V-0 rated thermoplastic, black **Mounting Holes: Standard:** .120" (3.05mm) Diameter **Clinch Nut:** 4-40 threads with self-locking feature **Mounting Method: 1:** Standard; **2:** Clinch Nut

No. of Pos.	Sex	Mtg. Meth.	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			Zinc Plated Shell			
9	Male	1	A31886-ND§	1.09	.91	205204-9
9	Female	1	A1001-ND	1.38	1.16	205203-1
9	Female	1	A34104-ND§ ***NEW!***	1.25	1.04	205203-8
15	Male	1	A1002-ND	1.61	1.35	205206-1
15	Male	1	A34105-ND§ ***NEW!***	1.55	1.30	205206-9
15	Female	1	A1003-ND	1.53	1.28	205205-1
15	Female	2	A34106-ND§ ***NEW!***	1.38	1.15	205205-7
25	Male	1	A1004-ND	1.56	1.30	205208-1
25	Male	1	A34107-ND§ ***NEW!***	1.40	1.17	5205208-1
25	Female	1	A1005-ND	1.33	1.11	205207-1
25	Female	1	A34108-ND§ ***NEW!***	1.20	1.00	5205207-1
37	Male	1	A1006-ND	2.19	1.83	205210-1
37	Male	1	A34109-ND§ ***NEW!***	2.19	1.83	205210-8
37	Female	1	A1007-ND	2.40	2.00	205209-1
37	Female	1	A34110-ND§ ***NEW!***	2.19	1.83	205209-7
50	Male	1	A34111-ND§ ***NEW!***	2.64	2.20	1658641-3
50	Female	1	A2041-ND	2.64	2.20	205211-1
50	Female	1	A34112-ND§ ***NEW!***	2.64	2.20	1658640-2
			Tin Plated Shell Without Grounding Indents			
9	Male	1	A31887-ND§	1.42	1.19	205204-8
9	Female	1	A1031-ND§	.90	.76	205203-3
9	Female	2	A31921-ND§	4.67	3.90	1658643-1
15	Male	1	A31888-ND§	1.86	1.55	205206-8
15	Female	1	A1033-ND§	.98	.82	205205-2
15	Female	2	A31922-ND§	4.47	3.73	1658644-1
25	Male	1	A31889-ND§	1.74	1.45	207464-7
25	Female	1	A1035-ND§	1.13	.95	207463-1
25	Female	2	A31917-ND§	4.45	3.71	207516-5
37	Male	1	A31890-ND§	2.19	1.83	205210-7
37	Female	2	A34113-ND§ ***NEW!***	6.87	5.73	5207661-3
50	Male	1	A31891-ND§	5.91	4.93	1658641-1
50	Female	1	A31893-ND§	2.64	2.20	1658640-1
			Tin Plated Shell With Grounding Indents			
9	Male	1	A1038-ND§	.95	.80	205204-4
9	Male	2	A31920-ND§	4.36	3.64	1658642-1
15	Male	1	A1039-ND§	1.13	.95	205206-3
25	Male	1	A1040-ND§	1.00	.83	207464-2
25	Male	2	A31918-ND§	5.82	4.85	5745036-2
37	Male	2	A31919-ND§	5.88	4.90	745135-4
37	Male	1	A1041-ND§	1.91	1.59	205210-3
50	Male	1	A31892-ND§	2.00	1.67	1658641-2

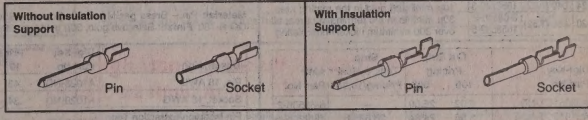
§ ***RoHS Compliant***

HDP-20 Pins and Sockets

Material: Pin: Brass – Phosphor bronze per QQ-B-750

Plated: A: Select – Gold flash over nickel on entire contact, with additional 30µ gold on mating end; **B:** Duplex – 30µ gold on mating end, tin-lead on termination end, with entire contact nickel underplated; **C:** Gold flash over nickel on entire contact; **D:** Duplex – Gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated **E:** Duplex – 30µ gold on mating end, tin on termination end, with entire contact nickel underplated; **F:** Duplex – Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Crimp Type Pin Dia.: .040" (1.02mm)



Desc.	AWG	Ins. Dia. In. (mm)	Cont. Fin.	Digi-Key Part No.	Loose Piece Price Each 10	Loose Piece Price Each 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	Digi-Key Part No.	Strip T&R Pricing / 10,000	AMP Part No.
							With Insulation Support						
Pin	28-24	.040 (1.02)	A	A1630-ND§	.23	.16	66507-9	A1630CT-ND§	13.66	56.90	A1630TR-ND§	61.46/M	66507-3
Socket	28-24	.040 (1.02)	A	A1632-ND§	.26	.18	66505-9	A1632CT-ND§	12.42	51.74	A1632TR-ND§	55.88/M	66505-3
Pin	28-24	.040 (1.02)	B	—	—	—	—	A23039CT-ND	9.43	39.30	A23039TR-ND	42.45/M	3-66507-0
Pin	28-24	.040 (1.02)	E	—	—	—	—	A31909CT-ND§	8.50	35.41	A31909TR-ND§	38.25/M	1658540-4
Socket	28-24	.040 (1.02)	E	—	—	—	—	A31906CT-ND§	11.12	46.35	A31906TR-ND§	55.62/M	1658538-2
Pin	28-24	.040 (1.02)	C	A23004-ND§	.21	.15	1-66507-0	A23004CT-ND§	11.35	47.29	A23004TR-ND§	51.08/M	66507-4
Socket	28-24	.040 (1.02)	C	A23003-ND§	.24	.17	1-66505-0	A23003CT-ND§	15.52	64.68	A23003TR-ND§	69.85/M	66505-4
Pin	28-24	.040 (1.02)	D	—	—	—	—	A25000CT-ND	7.18	29.91	—	—	3-66507-1
Pin	28-24	.040 (1.02)	F	A31904-ND§	.20	.16	1658540-2	A31904CT-ND§	7.12	29.65	A31904TR-ND§	32.03/M	1658540-1
Pin	28-24	.060 (1.52)	A	—	—	—	—	A23027CT-ND§	9.31	38.79	A23027TR-ND§	41.90/M	66682-2
Socket	28-24	.060 (1.52)	A	A23031-ND§	.26	.18	66683-4	A23031CT-ND§	17.59	73.29	A23031TR-ND§	79.16/M	66683-2
Pin	28-24	.060 (1.52)	B	—	—	—	—	A23029CT-ND	14.34	59.75	—	—	66682-9
Pin	28-24	.060 (1.52)	E	—	—	—	—	A31908CT-ND§	14.21	59.19	A31908TR-ND§	63.93/M	5066682-9
Socket	28-24	.060 (1.52)	B	—	—	—	—	A23005CT-ND	20.87	86.98	A23005TR-ND	104.37/M	1-66683-0
Pin	28-24	.060 (1.52)	F	—	—	—	—	A31907CT-ND§	12.23	50.95	A31907TR-ND§	55.03/M	5066682-6
Pin	26-22	.050 (1.27)	A	A24209-ND§	.24	.17	745254-6	A24209CT-ND§	14.53	60.55	A24209TR-ND§	65.40/M	745254-2
Socket	26-22	.050 (1.27)	A	A23722-ND§	.26	.18	745253-6	A23722CT-ND§	20.65	86.05	A23722TR-ND§	92.94/M	745253-2
Pin	26-22	.050 (1.27)	B	—	—	—	—	A23015CT-ND	24.95	103.94	A23015TR-ND	112.26/M	1-745254-4
Pin	26-22	.050 (1.27)	E	A31903-ND§	.25	.20	1658544-1	A31903CT-ND§	24.71	102.96	A31903TR-ND§	111.20/M	1658544-2
Socket	26-22	.050 (1.27)	B	—	—	—	—	A23011CT-ND	19.53	81.39	A23011TR-ND	87.90/M	1-745253-4
Socket	26-22	.050 (1.27)	E	A31902-ND§	.27	.21	1658543-1	A31902CT-ND§	19.35	80.63	A31902TR-ND§	87.08/M	1658543-2
Socket	26-22	.050 (1.27)	C	—	—	—	—	A23036CT-ND§	21.11	87.98	A23036TR-ND§	95.02/M	745253-3
Pin	26-22	.050 (1.27)	D	—	—	—	—	A23013CT-ND	12.34	51.43	—	—	1-745254-1
Pin	26-22	.050 (1.27)	F	—	—	—	—	A31924CT-ND§	12.23	50.95	A31924TR-ND§	55.03/M	1658544-3
Socket	26-22	.050 (1.27)	D	—	—	—	—	A23008CT-ND	20.81	86.69	—	—	1-745253-1
Socket	26-22	.050 (1.27)	F	—	—	—	—	A31901CT-ND§	20.61	85.88	A31901TR-ND§	92.75/M	1658543-3
Pin	24-20	.060 (1.52)	A	A1679-ND§	.21	.19	66506-9	A1679CT-ND§	9.24	38.49	A1679TR-ND§	41.57/M	66506-3
Socket	24-20	.060 (1.52)	A	A1680-ND§	.22	.20	66504-9	A1680CT-ND§	14.28	59.50	A1680TR-ND§	64.26/M	66504-3
Pin	24-20	.060 (1.52)	E	A31910-ND§	.16	.13	1658539-3	A31910CT-ND§	8.19	34.11	A31910TR-ND§	36.85/M	1658539-1
Socket	24-20	.060 (1.52)	E	A31905-ND§	.18	.14	1658537-4	A31905CT-ND§	9.35	38.94	A31905TR-ND§	42.06/M	1658537-3
Pin	24-20	.060 (1.52)	C	A1008-ND§	.21	.19	1-66506-0	A1008CT-ND§	13.61	56.71	A1008TR-ND§	61.25/M	66506-4
Socket	24-20	.060 (1.52)	C	A1009-ND§	.23	.20	1-66504-0	A1009CT-ND§	8.78	36.56	A1009TR-ND§	39.49/M	66504-4
Pin	24-20	.060 (1.52)	D	—	—	—	—	A23043CT-ND	7.79	32.45	—	—	2-66506-5
Pin	24-20	.060 (1.52)	F	A31911-ND§	.13	.11	1658539-4	A31911CT-ND§	7.57	31.53	A31911TR-ND§	34.05/M	1658539-2

§ ***RoHS Compliant***

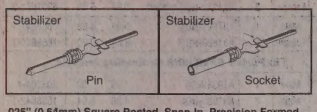
Desc.	AWG	Ins. Dia. In. (mm)	Cont. Fin.	Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	Digi-Key Part No.	Strip T&R Pricing / 10,000	AMP Part No.
				Without Insulation Support					
Socket	28-24	.068 (1.73)	A	A23055CT-ND§	39.97	166.54	A23055TR-ND§	179.87/M	205311-3
Pin	24-20	.068 (1.73)	A	A23017CT-ND§	17.36	72.34	A23017TR-ND§	76.13/M	205202-2
Socket	24-20	.068 (1.73)	C	A5805CT-ND§	20.78	86.56	A5805TR-ND§	93.49/M	205201-6
Pin	22-18	.068 (1.73)	A	A5802CT-ND§	17.36	72.34	A5802TR-ND§	78.13/M	745229-2
Socket	22-18	.068 (1.73)	A	A5804CT-ND§	15.57	64.88	A5804TR-ND§	70.07/M	745230-2
Pin	22-18	.068 (1.73)	B	A5801CT-ND	14.17	59.05	—	—	1-745229-1
Pin	22-18	.068 (1.73)	E	A31923CT-ND§	14.04	58.49	A31923TR-ND§	63.17/M	1658541-1
Socket	22-18	.068 (1.73)	B	A23007CT-ND	23.17	96.54	A23007TR-ND	104.27/M	1-745230-1
Socket	22-18	.068 (1.73)	E	A31900CT-ND§	20.87	86.95	A31900TR-ND§	93.91/M	1658542-2

§ ***RoHS Compliant***

Description	Digi-Key Part No.	Price Each	AMP Part No.
Crimp Tool for D-Sub Contacts with Die	A9990-ND	145.50	58448-2
Die Set for D-Sub Contacts, use with A9996	A9814-ND	111.00	58448-3
Pro-Crimper II Hand Tool without Die	A9996-ND	66.00	354940-1
Pin Insertion/Extraction Tool for Snap-in Contacts	A1010-ND	5.93	91067-2

AMPLIMITE® D-Sub Connectors

HDP-20 Solder Post Pins & Sockets



.025" (0.64mm) Square Posted, Snap-In, Precision Formed Pin Diameter: .040" (1.02mm)

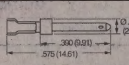
Material: Pin: Brass **Socket:** Phosphor bronze **Plated: A:** Duplex plated 30µ gold on mating end with entire contact 50µ minimum nickel underplated; **B:** Duplex plated gold flash on mating end with entire contact 50µ minimum nickel underplated

Desc.	Cont. Fin.	Post Length*	Digi-Key Part No.	Price Each 10	Price Each 100	AMP Part No.
Socket	A	.125" (3.18mm)	A31913-ND§	.45	.36	5-745288-5
Pin	A	.427" (10.85mm)	A23058-ND	.41	.29	745287-8
Pin	A	.427" (10.85mm)	A34115-ND§ ***NEW!***	.37	.26	4-745287-7
Socket	A	.427" (10.85mm)	A31914-ND§	.33	.26	5-745288-8
Socket	B	.427" (10.85mm)	A23049-ND	.67	.47	745288-6
Socket	B	.427" (10.85mm)	A34116-ND§ ***NEW!***	.67	.47	7-745288-2
Pin	A	.651" (16.54mm)	A23059-ND	.51	.36	1-745287-2
Pin	A	.651" (16.54mm)	A34117-ND§ ***NEW!***	.50	.35	5-745287-0
Socket	A	.651" (16.54mm)	A23046-ND	.80	.56	1-745288-2
Socket	A	.651" (16.54mm)	A31912-ND§	.58	.46	5-745288-1

* Length of post extending from rear of HDP-20 metal-shell Connector.

§ RoHS Compliant

HDP-20 Front Connector Pins



Precision Formed

AWG	Ins. Dia. In. (mm)	Amp Part No.
28-24	.040 (1.02)	1658540-3
24-20	.060 (1.52)	6-66506-2 1658539-5

Material: Brass **Finish:** Duplex plated 10µ minimum gold in the mating area, 30µ min. tin in the termination area, all over 30µ minimum nickel underplating

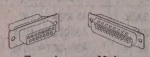
Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	Strip Tape & Reel* Pricing/10,000	AMP Part No.
A23051CT-ND	6.02	25.09	—	6-66506-2
A31915CT-ND§	5.96	24.84	26.83/M	1658539-5
A31916CT-ND§	8.34	34.74	37.52/M	1658540-3

*For Tape and Reel part number, change CT-ND to TR-ND.

§ RoHS Compliant

HD-20 Solder Cup

Connector comes complete with pins and sockets. Accepts 20 AWG or smaller solid or stranded wire.



Material and Finish: Shell: Steel, tin or zinc plated **Insert:** 94V-0 rated thermoplastic, black **Contacts:** Phosphor bronze; duplex plated with gold flash on mating end, tin-lead on solder cup, with entire contact nickel underplated

No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
Tin Plated Shell					
9	Male	A32507-ND§ ***NEW!***	3.24	2.70	5-747904-2
	Male	A31894-ND§	3.00	2.50	747904-9
	Female	A2047-ND	3.45	2.88	747905-2
	Female	A32510-ND§ ***NEW!***	2.79	2.33	5-747905-2
	Female	A31897-ND§	2.43	2.03	747905-8
15	Male	A2044-ND	4.80	4.00	747908-2
	Male	A32503-ND§ ***NEW!***	2.79	2.33	5-747908-2
	Male	A31895-ND§	3.39	2.83	747908-9
	Female	A2048-ND	4.98	4.15	747909-2
	Female	A32504-ND§ ***NEW!***	5.01	4.18	5-747909-2
	Female	A31898-ND§	3.48	2.90	747909-8
25	Male	A2045-ND	3.90	3.25	747912-2
	Male	A31896-ND§	3.42	2.85	747912-8
	Female	A2049-ND	6.09	5.08	747913-2
	Female	A32508-ND§ ***NEW!***	4.56	3.80	5-747913-2
	Female	A31899-ND§	4.29	3.58	747913-8
37	Male	A2046-ND	6.27	5.23	747916-2
	Male	A32506-ND§ ***NEW!***	5.85	4.88	5-747916-2
	Female	A2050-ND	7.74	6.45	747917-2
	Female	A34114-ND§ ***NEW!***	7.23	6.03	5-747917-2
Zinc Plated Shell					
9	Male	A23108-ND	2.19	1.83	747904-4
	Female	A23109-ND	2.97	2.48	747905-4
15	Male	A23110-ND	3.72	3.10	747908-4
25	Male	A23111-ND	4.14	3.45	747912-4
	Male	A32505-ND§ ***NEW!***	3.87	3.23	5-747912-2
	Female	A23112-ND	5.40	4.50	747913-4
37	Male	A23113-ND	6.27	5.23	747916-4

§ RoHS Compliant

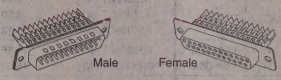
HDP-20 Solder Cup Type Pins & Sockets

Pin Diameter: .040" (1.02mm)

Material: Pin – Brass per MIL-C-50; Socket – Phosphor bronze per QQ-B-750 **Finish:** Selective gold, 30µ gold over 30µ nickel

Description	Digi-Key Part No.	Price Each 10	Price Each 100	AMP Part No.
Pin, 18 AWG	A1028-ND	.43	.26	66570-3
Socket, 18 AWG	A1029-ND	.34	.31	66569-3
Pin Insertion/Extraction Tool for Snap-In Contacts	A1010-ND		5.93/1	91067-2

HDE-20 IDC Discrete Wire Type, Metal/Plastic Shell



Material and Finish: Metal Shell: Steel, tin plated **Insert:** 94V-0 rated thermoplastic, black **Contacts:** Phosphor bronze

Plastic Housing: 94V-0 rated thermoplastic, black **Contacts:** Phosphor bronze

Contact Finish: Duplex plated; **A:** 30µ gold on mating end, tin-lead on termination end, with entire contact nickel underplated; **B:** Gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated

No. of Pos.	Sex	Cont. Fin.	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
Metal Shell for 30-26 AWG Wire						
9	Male	A	A31965-ND§	3.30	2.75	1-745492-7
	Female	A	A31973-ND§	4.17	3.48	1-745491-6
15	Male	A	A31967-ND§	5.67	4.73	1-745494-7
	Female	A	A31976-ND§	9.93	8.28	1-745493-6
25	Male	A	A31969-ND§	6.93	5.78	1-745496-9
	Female	A	A31978-ND§	7.65	6.38	1-745495-7
37	Male	A	A31972-ND§	10.56	8.80	1-745498-6
	Female	A	A31981-ND§	9.51	7.93	1-745497-6
Metal Shell for 26-22 AWG Wire						
9	Male	A	A31930-ND§	4.11	3.43	1-745492-8
	Female	A	A31981-ND§	4.06	3.39	1-745491-7
	Male	B	A31929-ND§	3.03	2.53	2-745492-0
	Female	B	A31975-ND§	3.93	3.28	1-745491-8
15	Male	A	A1044-ND	6.00	5.00	745494-2
	Male	A	A34118-ND§ ***NEW!***	5.97	4.98	1-745494-5
	Female	A	A31932-ND§	5.58	4.65	1-745493-4
	Male	B	A31968-ND§	5.58	4.65	1-745494-6
	Female	B	A31977-ND§	6.15	5.13	1-745493-5
25	Male	A	A31933-ND§	5.73	4.78	1-745496-7
	Female	A	A31934-ND§	8.91	7.43	1-745495-8
	Male	B	A31971-ND§	5.37	4.48	1-745496-8
	Female	B	A31980-ND§	18.96	15.80	2-745495-0
37	Male	A	A1048-ND	9.87	8.23	745498-2
	Male	A	A31935-ND§	7.35	6.13	1-745498-5
	Female	A	A31936-ND§	9.00	7.50	1-745497-5
Metal Shell for 22-20 AWG Wire						
9	Male	A	A31966-ND§	4.08	3.40	1-745492-9
	Female	A	A31974-ND§	4.53	3.78	1-745491-9
25	Male	A	A31970-ND§	11.94	9.95	2-745496-0
	Female	A	A31979-ND§	10.56	8.80	1-745495-9
Plastic Shell for 26-22 AWG Wire						
9	Male	A	A31937-ND§	3.79	3.16	745203-9
	Female	A	A31938-ND§	3.51	2.93	745201-7
15	Male	A	A31939-ND§	6.93	5.78	745207-7
	Female	A	A31940-ND§	4.62	3.85	745205-7
25	Male	A	A31941-ND§	5.79	4.83	745211-7
	Female	A	A31942-ND§	6.57	5.48	745209-7
37	Male	A	A2006-ND	14.34	11.95	745215-2
	Male	A	A31943-ND§	7.95	6.63	7452157

§ RoHS Compliant

Description	Digi-Key Part No.	Price Each	AMP Part No.
Manual Pistol Grip Tool for Metal and All-Plastic Shell Connectors	A2031-ND	58.28	58074-1
Head Assembly Tool for D-Sub IDC Connectors	A2032-ND	207.90	58063-2

HDE-20 Socket

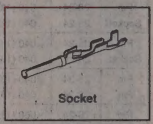
Interchangeable Contacts, Crimp Snap-In Precision Formed

Material: Phosphor bronze

Finish: Duplex plated 30µ gold on mating end, tin-lead on termination end, with entire contact nickel underplated

Wire Size: 22-18 AWG

Insulation Diameter: Single Wire: .075" (1.91mm), Two Wire: .054" (1.37mm)

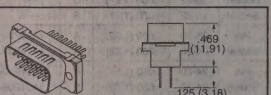


Desc.	Digi-Key Part No.	Cut Strip Pricing 100	Cut Strip Pricing 500	AMP Part No.
Socket	A23002CT-ND	95.95	399.79	745270-2
	A23002TR-ND		4317.71/10,000	745270-2
NEW! RoHS Compliant NEW!				
Socket	A34119CT-ND	95.05	396.04	1-745270-1
	A34119TR-ND		4277.21/10,000	1-745270-1

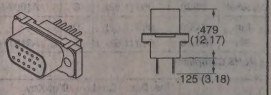
HD-22 Front Metal-Shell Straight Posted

- **Shell:** steel, tin plated
- **Housing:** 94V-O rated thermoplastic, black
- **Pin Contacts (Posted) Brass:** 30µ" gold on mating end, tin-lead, with entire contact 50µ minimum nickel underplated

Male



Female



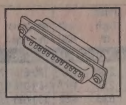
No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
4-40 Threaded Inserts					
15	Male	A23071-ND	16.11	13.43	749798-1
15	Male	A31928-ND§	15.06	12.55	5749798-1
26	Female	A23073-ND	20.61	17.18	749030-1
26	Female	A31964-ND§	17.58	14.65	5749030-1
62	Female	A31963-ND§	29.31	24.43	5747786-6

§ RoHS Compliant

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

tyco Electronics AMP

Series 109 Connectors for Crimp, Snap-In Contacts (Per MIL-C-24308 Qualified Connectors)

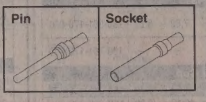


Class G steel shell has cadmium plating per ASTM-B633.

• **Pins and Sockets Sold Separately** • **Only use sockets for Series 109 Connectors**

No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
		Crimp Type			
9	Male	A2150-ND	3.96	3.30	205162-1
	Female	A2155-ND	3.96	3.30	205161-1
15	Male	A2151-ND	4.62	3.85	205164-1
	Female	A2156-ND	4.62	3.85	205163-1
25	Male	A2152-ND	4.98	4.15	205166-1
	Female	A2157-ND	4.98	4.15	205165-1
37	Male	A2153-ND	6.48	5.40	205168-1
	Female	A2158-ND	6.48	5.40	205167-1
50	Male	A2154-ND	7.98	6.65	205170-1
	Female	A2159-ND	7.98	6.65	205169-1
	NEW!	***Crimp Type — RoHS Compliant***	***NEW!***		
9	Male	A34120-ND	3.96	3.30	1757819-1
	Female	A32575-ND	3.96	3.30	1757820-1
15	Male	A32577-ND	4.62	3.85	1757819-2
	Female	A32576-ND	4.62	3.85	1757820-2
25	Male	A32578-ND	4.98	4.15	1757819-3
	Female	A34121-ND	4.98	4.15	1757820-3
37	Male	A34122-ND	6.48	5.40	1757819-4
	Female	A34123-ND	6.48	5.40	1757820-4
50	Male	A34124-ND	7.98	6.65	1757819-5
	Female	A34125-ND	7.98	6.65	1757820-5

Series 109 Screw-Machined Pins and Sockets



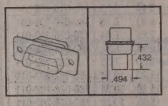
CRIMP TYPE: • **Pin Diameter:** .040" (1.02mm) **MATERIAL:** • **Pin Body** – Copper Alloy • **Socket Body** – Beryllium Copper • **Finish:** 50µ Gold • **Contact Size:** 20 DM • **Pin Diameter:** .040" (1.02mm) • **Test Current:** 7.5 amperes

Description	Digi-Key Part No.	Price Each 10	100	AMP Part No.
	50µ Gold — RoHS Compliant			
Pin (24-20 AWG)	A2160-ND	1.19	.73	205089-1
Socket (24-20 AWG)	A2161-ND	1.77	1.09	205090-1

Description	Digi-Key Part No.	Price Each	AMP Part No.
Insertion/Extraction Tool for Series 109 D-Sub Crimp Contacts	A9979-ND	14.93	91285-1
Hand Crimping Tool for Screw-Machined Contacts (20DM)	A9977-ND	653.63	601966-1
Positioner (Use with A9977-ND)	A9797-ND	171.66	601966-5

High Density D-Sub Connectors

HDP-22 Crimp Type Tin Plated Shell

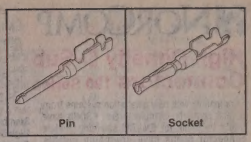


ELECTRICAL CHARACTERISTICS: • **Contact Rating:** 5.0 amperes • **Dielectric Strength:** 1000VAC minimum • **Insulation Resistance:** 5000MΩ minimum **MECHANICAL CHARACTERISTICS:** • **Contact Insertion Force:** 3 pounds maximum • **Durability:** 30µ gold – 500 cycles; Gold Flash - 100 cycles

No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
15	Male	A2076-NDS	3.25	2.72	748364-1
	Female	A31948-NDS	3.52	2.94	1658681-1
26	Male	A31944-NDS	5.34	4.45	1658671-1
	Female	A31949-NDS	5.97	4.98	1658682-1
44	Male	A31945-NDS	5.97	4.98	1658672-1
	Female	A2083-ND	8.40	7.00	748567-1
	Female	A31950-NDS	7.56	6.30	1658683-1
62	Male	A31946-NDS	5.76	4.80	1658673-1
	Female	A2084-ND	10.05	8.38	748568-1
	Female	A31951-NDS	8.91	7.43	1658684-1
78	Male	A31947-NDS	6.89	5.58	1658674-1
	Female	A31952-NDS	9.24	7.70	1658685-1

§ *RoHS Compliant*

HDP-22 Pins and Sockets



CRIMP TYPE: – Pin Diameter: .030" (.76mm)
MATERIAL: Pin – Brass **Socket** – Phosphor bronze
Finish: 30µ Gold – Duplex plated 30µ gold on mating end, tin-lead on crimp barrel, with entire contact nickel underplated **Gold Flash** – Duplex plated gold flash on mating end, tin-lead on crimp barrel, with entire contact nickel underplated

Description	Digi-Key Part No.	Pricing 10	100	AMP Part No.
Pin (22-28 AWG), 30µ Gold	A31954-NDS	1.87	14.98	1658670-2
Socket (22-28 AWG), 30µ Gold	A31955-NDS	1.44	11.52	1658686-2
Pin (22-28 AWG), Gold Flash	A31953-NDS	1.10	8.76	1658670-4
Socket (22-28 AWG), Gold Flash	A31956-NDS	1.63	13.02	1658686-4

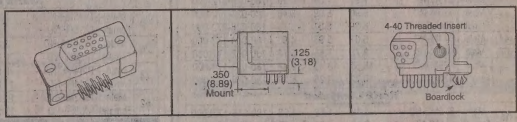
Description	Digi-Key Part No.	Cut Strip Pricing 100	500	Digi-Key Part No.	Strip T & R Pricing / 20,000	AMP Part No.
Socket (22-28 AWG), Gold Flash	A31956CT-NDS	15.29	63.69	A31956TR-NDS	1375.65	1658686-3

§ *RoHS Compliant*

Description	Digi-Key Part No.	Price Each	AMP Part No.
Insertion/Extraction Tool for High Density D-Sub Crimp Contacts	A9979-ND	14.93	91285-1
Crimp Tool for High Density D-Sub w/Die	A9815-ND	176.51	90800-1
Pro-Crimper II Hand Tool w/o Die Crimp Tool for High Density	A9996-ND	66.00	354940-1

High Density D-Sub Connectors

HD-22 Right Angle



ELECTRICAL CHARACTERISTICS: • **Single Contact Current Rating:** 2.0 amperes • **Dielectric Withstanding Voltage:** 1000VAC minimum

MATERIAL AND FINISH: • **Front Shell:** Steel, tin plated • **Housing:** 94 V-0 rated • **Socket Contacts:** Phosphor bronze • **Contact Finish:** Duplex Plated: 30µ gold mating end, tin-lead on termination end, with entire contact nickel underplated

No. of Pos.	Sex	Digi-Key Part No.	Price Each 1	25	AMP Part No.
		Threaded Inserts With Boardlocks			
26	Female	A31925-NDS	8.13	6.78	5748481-5
44	Female	A31957-NDS	5.46	4.55	5748482-5
62	Female	A31958-NDS	21.99	18.33	5748394-5
78	Female	A23067-ND	32.55	27.13	748483-5
78	Female	A31962-NDS	30.45	25.38	5748483-5
15	Male	A31927-NDS	5.85	4.88	5749767-1
62	Male	A31926-NDS	16.50	13.75	5749639-1
		Screwlocks With Boardlocks			
26	Female	A31961-NDS	12.09	10.08	5748481-6
62	Female	A23065-ND	28.65	23.88	748394-6
62	Female	A31960-NDS	19.14	15.95	5748394-6
		Threaded Inserts Without Boardlocks			
26	Female	A31959-ND*§	10.44	8.70	1-5748481-9

* .125" (3.18mm) diameter holes § *RoHS Compliant*

SCSI Terminators

SCSI TYPES:

Single-Ended Active: Allows up to 5 megabytes per second. Also referred to as "Regulated" or "Boulay." These terminators include a voltage regulator along with resistors and capacitors. They support applications requiring longer cable lengths and faster data transmission rates. • Eighteen 1100 resistors • Three or more capacitors • Two voltage reference resistors • One voltage regulator

Differential: Allows up to 10 megabytes per second, cable lengths up to 25 meters • Requires more powerful drivers than single-ended • Ideal impedance match, 122Ω

Force Perfect: Use with near non-SCSI applications wherein the larger bandwidth and faster risetimes create special problems; compensates for variances by averaging the impedance mismatches through diode switching and biasing techniques. Circuitry: Thick film resistors and/or discreet components on aluminum substrate or plastic laminate

Active Negation: Used by SCSI-2 and SCSI-3 Drivers and Receivers in single ended active applications to help ensure clean, noise-free transitions of the signals. These terminators can source as well as sink current, thereby maintaining voltage control.

Fig. 1

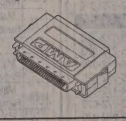


Fig. 2

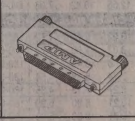


Fig. 3

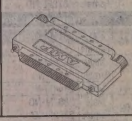


Fig.	No. of Pos.	Description	Digi-Key Part No.	Price Each 1	25	AMP Part No.
		Single-Ended Active				
1	50	AMPLIMITE® .050" (1.27mm) Series Plug; "A" Cable SCSI-2, Low Profile, ABS	A15037-ND	40.23	32.53	869546-1
2	68	AMPLIMITE® .050" (1.27mm) Series Plug; "P&Q" Cable SCSI-3	A32494-NDS	62.32	50.39	1696124-1
3	68	Plug Feed-Thru to 68 Position Receptacle	A15043-ND	93.51	75.61	869684-1

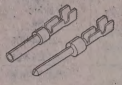
Fig.	No. of Pos.	Description	Digi-Key Part No.	Price Each 1	25	AMP Part No.
		Force Perfect				
2	68	.050" (1.27mm) Series Plug	A23541-ND	50.03	40.46	869867-1
		Active Negation Compatible				
2	68	.050" (1.27mm) Center-Line Ribbon Cable SCSI-3	A32160-NDS	36.92	29.85	1696105-1

§ *RoHS Compliant*

NorComp

High Density D-Sub Connectors 180 Series

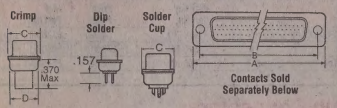
Stamped Contacts For High Density D-Sub Connectors



Wire Size: 22-26 AWG
Pin Dia.: .030" (.76mm)

- Compatible with new generation systems from several computer manufacturers • Shells have bright tin finish for EMI/RFI shielding • Male connector shells have grounding indents • Reliable crimp snap-in contacts feature insulation grip for increased holding power • Contacts compatible with industry standard crimp tools. **Materials: • Shell:** Steel, with bright tin over nickel **• Shell-RoHS Compliant:** Steel, nickel plated **• Insulator:** Glass-filled thermoplastic, UL rated 94V-0 **• Male Pin:** Brass **• Female Contact:** Phosphor bronze **• Contact Plating:** Gold over nickel (gold flash on entire contact for solder cup and dip solder)

No. of Pins	Shell Size	Dimensions (Inch) A	B	C	D
15	DB-9	1.213	0.984	0.496	0.422
26	DB-15	1.543	1.312	0.496	0.422
44	DB-25	2.087	1.852	0.496	0.422
62	DB-37	2.732	2.500	0.496	0.422
78	DB-50	2.638	2.406	0.606	0.550



Note: Contacts sold separately (below) for Crimp Type.

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Crimp						
15	Female	815F-ND	1.91	1.65	1.13	180-015-272-000
26	Male	826M-ND	5.90	5.09	3.46	180-026-172-000
	Female	826F-ND	6.39	5.51	3.75	180-026-272-000
44	Male	844M-ND	6.87	5.93	4.03	180-044-172-000
62	Male	862M-ND	8.76	7.55	5.14	180-062-172-000
78	Male	878M-ND	15.65	13.49	9.18	180-078-172-000
	Female	878F-ND	10.72	9.25	6.29	180-078-272-000
RoHS Compliant						
15	Male	815ME-ND	2.18	1.88	1.28	180-015-173L000
	Female	815FE-ND	2.18	1.88	1.28	180-015-273L000
26	Male	826ME-ND	6.40	5.52	3.76	180-026-173L000
	Female	826FE-ND	6.93	5.98	4.07	180-026-273L000
44	Male	844ME-ND	7.77	6.71	4.56	180-044-173L000
	Female	844FE-ND	7.91	6.82	4.64	180-044-273L000
62	Male	862ME-ND	9.93	8.56	5.82	180-062-173L000
	Female	862FE-ND	9.05	7.81	5.31	180-062-273L000
78	Male	878ME-ND	16.97	14.64	9.96	180-078-173L000
	Female	878FE-ND	9.05	7.81	5.31	180-078-273L000
Crimp with .065" Clinch Nuts, Board Side						
15	Male	1815M-ND	3.02	2.60	1.77	180-015-172-010
	Female	1815F-ND	3.02	2.60	1.77	180-015-272-010
26	Male	1826M-ND	7.48	6.45	4.39	180-026-172-010
	Female	1826F-ND	7.74	6.68	4.54	180-026-272-010
44	Male	1844M-ND	8.27	7.13	4.85	180-044-172-010
	Female	1844F-ND	8.27	7.13	4.85	180-044-272-010
62	Male	1862M-ND	10.21	8.80	5.99	180-062-172-010
	Female	1862F-ND	10.21	8.80	5.99	180-062-272-010
78	Male	1878M-ND	18.39	15.85	10.78	180-078-172-010
RoHS Compliant						
15	Male	1815ME-ND	3.10	2.67	1.82	180-015-173L010
	Female	1815FE-ND	3.10	2.67	1.82	180-015-273L010
26	Male	1826ME-ND	7.32	6.31	4.30	180-026-173L010
	Female	1826FE-ND	7.85	6.77	4.61	180-026-273L010
44	Male	1844ME-ND	8.70	7.50	5.10	180-044-173L010
	Female	1844FE-ND	8.83	7.62	5.18	180-044-273L010
62	Male	1862ME-ND	10.85	9.36	6.36	180-062-173L010
	Female	1862FE-ND	9.98	8.60	5.85	180-062-273L010
78	Male	1878ME-ND	17.90	15.43	10.50	180-078-173L010
	Female	1878FE-ND	12.55	10.82	7.36	180-078-273L010
Crimp with .250" Clinch Nuts, Board Side						
15	Male	2815M-ND	3.02	2.60	1.77	180-015-172-020
	Female	2815F-ND	3.02	2.60	1.77	180-015-272-020
26	Male	2826M-ND	7.48	6.45	4.39	180-026-172-020
	Female	2826F-ND	7.74	6.68	4.54	180-026-272-020
44	Male	2844M-ND	8.27	7.13	4.85	180-044-172-020
62	Male	2862M-ND	10.21	8.80	5.99	180-062-172-020
	Female	2862F-ND	10.21	8.80	5.99	180-062-272-020
78	Male	2878M-ND	18.39	15.85	10.78	180-078-172-020
RoHS Compliant						
15	Male	2815ME-ND	3.10	2.67	1.82	180-015-173L020
	Female	2815FE-ND	3.10	2.67	1.82	180-015-273L020
26	Male	2826ME-ND	7.32	6.31	4.30	180-026-173L020
	Female	2826FE-ND	7.85	6.77	4.61	180-026-273L020
44	Male	2844ME-ND	8.70	7.50	5.10	180-044-173L020
	Female	2844FE-ND	8.83	7.62	5.18	180-044-273L020
62	Male	2862ME-ND	10.85	9.36	6.36	180-062-173L020
	Female	2862FE-ND	9.98	8.60	5.85	180-062-273L020
78	Male	2878ME-ND	17.90	15.43	10.50	180-078-173L020
	Female	2878FE-ND	12.55	10.82	7.36	180-078-273L020

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Crimp with .250" Clinch Nuts, Mating Side						
15	Male	3815M-ND	3.02	2.60	1.77	180-015-172-030
	Female	3815F-ND	3.02	2.60	1.77	180-015-272-030
26	Male	3826M-ND	7.48	6.45	4.39	180-026-172-030
	Female	3826F-ND	7.74	6.68	4.54	180-026-272-030
44	Male	3844M-ND	8.27	7.13	4.85	180-044-172-030
	Female	3844F-ND	8.27	7.13	4.85	180-044-272-030
62	Male	3862M-ND	10.21	8.80	5.99	180-062-172-030
	Female	3862F-ND	10.21	8.80	5.99	180-062-272-030
78	Male	3878M-ND	18.39	15.85	10.78	180-078-172-030
	Female	3878F-ND	14.09	12.15	8.27	180-078-272-030
RoHS Compliant						
15	Male	3815ME-ND	3.10	2.67	1.82	180-015-173L030
	Female	3815FE-ND	3.10	2.67	1.82	180-015-273L030
26	Male	3826ME-ND	7.32	6.31	4.30	180-026-173L030
	Female	3826FE-ND	7.85	6.77	4.61	180-026-273L030
44	Male	3844ME-ND	8.70	7.50	5.10	180-044-173L030
	Female	3844FE-ND	8.83	7.62	5.18	180-044-273L030
62	Male	3862ME-ND	10.85	9.36	6.36	180-062-173L030
	Female	3862FE-ND	9.98	8.60	5.85	180-062-273L030
78	Male	3878ME-ND	17.90	15.43	10.50	180-078-173L030
	Female	3878FE-ND	12.55	10.82	7.36	180-078-273L030
Contacts						
—	Pin	85PECT-ND◊	—	.11	.07	180-001-170L001
	Pin	85PETR-ND◊	537.50/10,000			180-001-170L001
—	Socket	85S-ND	—	.13	.09	180-002-170-001
	Socket	85SECT-ND◊	—	.11	.07	180-002-170L001
	Socket	85SETR-ND◊	537.50/10,000			180-002-170L001
Tools						
Insertion/ Removal Tool		T2020-ND	9.07	7.82	5.32	180-901-170-000
High Density Crimp Tool		T3030-ND	199.50	—	—	180-701-170-000
Solder Cup						
15	Male	T815M-ND	2.13	1.84	1.25	180-015-102-001
62	Female	T862F-ND	11.74	10.13	6.89	180-062-202-001
RoHS Compliant						
15	Male	T815ME-ND	2.42	2.09	1.42	180-015-103L001
	Female	T815FE-ND	2.79	2.41	1.64	180-015-203L001
26	Male	T826ME-ND	7.89	6.80	4.63	180-026-103L001
	Female	T826FE-ND	6.93	5.98	4.07	180-026-203L001
44	Male	T844ME-ND	9.51	8.20	5.58	180-044-103L001
	Female	T844FE-ND	11.01	9.50	6.46	180-044-203L001
62	Male	T862ME-ND	11.83	10.20	6.94	180-062-103L001
	Female	T862FE-ND	13.37	11.53	7.85	180-062-203L001
Solder Cup with .065" Clinch Nuts, Board Side						
15	Male	4815M-ND	3.28	2.83	1.93	180-015-102-011
	Female	4815F-ND	3.63	3.13	2.13	180-015-202-011
26	Male	4826M-ND	11.51	9.93	6.75	180-026-102-011
	Female	4826F-ND	9.11	7.85	5.34	180-026-202-011
44	Female	4844F-ND	11.69	10.08	6.86	180-044-202-011
62	Male	4862M-ND	12.53	10.80	7.35	180-062-102-011
	Female	4862F-ND	17.63	15.20	10.34	180-062-202-011
78	Male	4878M-ND	17.63	15.20	10.34	180-078-102-011
	Female	4878F-ND	18.42	15.88	10.80	180-078-202-011
RoHS Compliant						
15	Male	4815ME-ND	3.34	2.89	1.97	180-015-103L011
	Female	4815FE-ND	3.71	3.20	2.18	180-015-203L011
26	Male	4826ME-ND	8.81	7.60	5.17	180-026-103L011
	Female	4826FE-ND	7.85	6.77	4.61	180-026-203L011
44	Male	4844ME-ND	10.43	9.00	6.12	180-044-103L011
	Female	4844FE-ND	11.94	10.29	7.00	180-044-203L011
62	Male	4862ME-ND	12.75	10.99	7.48	180-062-103L011
	Female	4862FE-ND	14.30	12.33	8.39	180-062-203L011
78	Male	4878ME-ND	17.99	15.51	10.55	180-078-103L011
	Female	4878FE-ND	12.55	10.82	7.36	180-078-203L011
Solder Cup with .250" Clinch Nuts, Board Side						
15	Male	5815M-ND	3.28	2.83	1.93	180-015-102-021
	Female	5815F-ND	3.63	3.13	2.13	180-015-202-021
26	Male	5826M-ND	11.51	9.93	6.75	180-026-102-021
	Female	5826F-ND	9.11	7.85	5.34	180-026-202-021
44	Male	5844M-ND	10.21	8.80	5.99	180-044-102-021
62	Male	5862M-ND	12.53	10.80	7.35	180-062-102-021
	Female	5862F-ND	17.63	15.20	10.34	180-062-202-021
78	Male	5878M-ND	17.63	15.20	10.34	180-078-102-021
	Female	5878F-ND	18.42	15.88	10.80	180-078-202-021
RoHS Compliant						
15	Male	5815ME-ND	3.34	2.89	1.97	180-015-103L021
	Female	5815FE-ND	3.71	3.20	2.18	180-015-203L021
26	Male	5826ME-ND	8.81	7.60	5.17	180-026-103L021
	Female	5826FE-ND	7.85	6.77	4.61	180-026-203L021
44	Male	5844ME-ND	10.43	9.00	6.12	180-044-103L021
	Female	5844FE-ND	11.94	10.29	7.00	180-044-203L021
62	Male	5862ME-ND	12.75	10.99	7.48	180-062-103L021
	Female	5862FE-ND	14.30	12.33	8.39	180-062-203L021
78	Male	5878ME-ND	17.99	15.51	10.55	180-078-103L021
	Female	5878FE-ND	12.55	10.82	7.36	180-078-203L021
Solder Cup with .250" Clinch Nuts, Mating Side						
15	Male	6815M-ND	3.28	2.83	1.93	180-015-102-031
26	Male	6826M-ND	11.51	9.93	6.75	180-026-102-031
44	Male	6844M-ND	10.21	8.80	5.99	180-044-102-031
	Female	6844F-ND	11.69	10.08	6.86	180-044-202-031
62	Male	6862M-ND	12.53	10.80	7.35	180-062-102-031
	Female	6862F-ND	17.63	15.20	10.34	180-062-202-031

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
78	Male	6878M-ND	17.63	15.20	10.34	180-078-102-031
	Female	6878F-ND	18.42	15.88	10.80	180-078-202-031
RoHS Compliant						
15	Male	6815ME-ND	3.34	2.89	1.97	180-015-103L031
	Female	6815FE-ND	3.71	3.20	2.18	180-015-203L031
26	Male	6826ME-ND	8.81	7.60	5.17	180-026-103L031
	Female	6826FE-ND	7.85	6.77	4.61	180-026-203L031
44	Male	6844ME-ND	10.43	9.00	6.12	180-044-103L031
	Female	6844FE-ND	11.94	10.29	7.00	180-044-203L031
62	Male	6862ME-ND	12.75	10.99	7.48	180-062-103L031
	Female	6862FE-ND	14.30	12.33	8.39	180-062-203L031
78	Male	6878ME-ND	17.99	15.51	10.55	180-078-103L031
	Female	6878FE-ND	12.55	10.82	7.36	180-078-203L031
Dip Solder						
15	Male	180-15M-ND	2.38	2.05	1.40	180-015-112-001
26	Male	180-26M-ND	3.68	3.18	2.16	180-026-112-001
	Female	180-26F-ND	4.18	3.60	2.45	180-026-212-001
44	Male	180-44M-ND	6.55	5.65	3.85	180-044-112-001
62	Male	180-62M-ND	8.90	7.68	5.22	180-062-112-001
	Female	180-62F-ND	9.02	7.78	5.29	180-062-212-001
78	Female	180-78F-ND	12.76	11.00	7.48	180-078-212-001
RoHS Compliant						
15	Male	180-15ME-ND	2.50	2.16	1.47	180-015-113R001
	Female	180-15FE-ND	2.10	1.81	1.23	180-015-213R001
26	Male	180-26ME-ND	3.85	3.33	2.26	180-026-113R001
	Female	180-26FE-ND	4.36	3.76	2.56	180-026-213R001
44	Male	180-44ME-ND	6.86	5.92	4.03	180-044-113R001
	Female	180-44FE-ND	6.82	5.89	4.01	180-044-213R001
62	Male	180-62ME-ND	9.33	8.05	5.48	180-062-113R001
	Female	180-62FE-ND	9.43	8.14	5.54	180-062-213R001
78	Male	180-78ME-ND	13.69	11.81	8.03	180-078-113R001
	Female	180-78FE-ND	13.36	11.52	7.84	180-078-213R001
Dip Solder with .065" Clinch Nuts, Board Side						
15	Male	7815M-ND	3.48	3.00	2.04	180-015-112-011
26	Male	7826M-ND	4.90	4.23	2.88	180-026-112-011
	Female	7826F-ND	5.45	4.70	3.20	180-026-212-011
44	Male	7844M-ND	8.06	6.95	4.73	180-044-112-011
	Female	7844F-ND	8.03	6.93	4.71	180-044-212-011
62	Male	7862M-ND	10.64	9.18	6.24	180-062-112-011
	Female	7862F-ND	10.79	9.30	6.33	180-062-212-011
78	Female	7878F-ND	14.88	12.83	8.73	180-078-212-011
RoHS Compliant						
15	Male	7815ME-ND	3.79	3.27	2.23	180-015-113R011
	Female	7815FE-ND	3.35	2.89	1.97	180-015-213R011
26	Male	7826ME-ND	5.31	4.58	3.12	180-026-113R011
	Female	7826FE-ND	5.88	5.08	3.45	180-026-213R011
44	Male	7844ME-ND	8.62	7.44	5.06	180-044-113R011
	Female	7844FE-ND	8.62	7.44	5.06	180-044-213R011
62	Male	7862ME-ND	11.39	9.83	6.68	180-062-113R011
	Female	7862FE-ND	11.53	9.94	6.76	180-062-213R011
78	Male	7878ME-ND	16.23	14.00	9.52	180-078-113R011
	Female	7862FE-ND	11.53	9.94	6.76	180-062-213R011
Dip Solder with .250" Clinch Nuts, Board Side						
15	Male	8815M-ND	3.48	3.00	2.04	180-015-112-021
26	Male	8826M-ND	4.90	4.23	2.88	180-026-112-021
	Female	8826F-ND	5.45	4.70	3.20	180-026-212-021
44	Male	8844M-ND	8.06	6.95	4.73	180-044-112-021
	Female	8844F-ND	8.03	6.93	4.71	180-044-212-021
62	Male	8862M-ND	10.64	9.18	6.24	180-062-112-021
	Female	8862F-ND	10.79	9.30	6.33	180-062-212-021
78	Male	8878M-ND	15.23	13.13	8.93	180-078-112-021
	Female	8878F-ND	14.88	12.83	8.73	180-078-212-021
RoHS Compliant						
15	Male	8815ME-ND	3.79	3.27	2.23	180-015-113R021
	Female	8815FE-ND	3.35	2.89	1.97	180-015-213R021
26	Male	8826ME-ND	5.31	4.58	3.12	180-026-113R021
	Female	8826FE-ND	5.88	5.08	3.45	180-026-213R021
44	Male	8844ME-ND	8.62	7.44	5.06	180-044-113R021
	Female	8844FE-ND	8.62	7.44	5.06	180-044-213R021
62	Male	8862ME-ND	11.39	9.83	6.68	180-062-113R021
	Female	8862FE-ND	11.53	9.94	6.76	180-062-213R021
78	Male	8878ME-ND	16.23	14.00	9.52	180-078-113R021
	Female	8878FE-ND	16.23	14.00	9.52	180-078-213R021
Dip Solder with .250" Clinch Nuts, Mating Side						
26	Male	9826M-ND	4.90	4.23	2.88	180-026-112-031
44	Male	9844M-ND	8.06	6.95	4.73	180-044-112-031
	Female	9844F-ND	8.03	6.93	4.71	180-044-212-031
62	Male	9862M-ND	10.64	9.18	6.24	180-062-112-031
	Female	9862F-ND	10.79	9.30	6.33	180-062-212-031
78	Male	9878M-ND	15.23	13.13	8.93	180-078-112-031
	Female	9878F-ND	14.88	12.83	8.73	180-078-212-031
RoHS Compliant						
15	Male	9815ME-ND	3.79	3.27	2.23	180-015-113R031
	Female	9815FE-ND	3.35	2.89	1.97	180-015-213R031
26	Male	9826ME-ND	5.31	4.58	3.12	180-026-113R031
	Female	9826FE-ND	5.88	5.08	3.45	180-026-213R031
44	Male	9844ME-ND	8.62	7.44	5.06	180-044-113R031
	Female	9844FE-ND	8.62	7.44	5.06	180-044-213R031
62	Male	9862ME-ND	11.39	9.83	6.68	180-062-113R031
	Female	9862FE-ND	11.53	9.94	6.76	180-062-213R031
78	Male	9878ME-ND	16.23	14.00	9.52	180-078-113R031
	Female	9878FE-ND	15.89	13.70	9.32	180-078-213R031

◊ *RoHS Compliant*

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NORCOMP

Right Angle D-Sub Connectors

175 Series (.454" Footprint)

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Long Bracket with 4-40 Screw Lock - Tin						
15	Female	175-115F-ND	15.75	13.58	9.24	175-015-212-151
Tin — RoHS Compliant						
9	Male	175-109MA-ND	7.20	5.27	4.24	175-009-112R151
	Female	175-109FA-ND	6.19	4.53	3.69	175-009-212R151
15	Male	175-115MA-ND	9.24	6.93	5.78	175-015-112R151
	Female	175-115FA-ND	8.93	6.70	5.58	175-015-212R151
25	Male	175-125MA-ND	13.32	10.25	8.59	175-025-112R151
	Female	175-125FA-ND	12.31	9.47	7.94	175-025-212R151
37	Male	175-137MA-ND	17.39	14.08	11.80	175-037-112R151
	Female	175-137FA-ND	16.76	12.96	10.86	175-037-212R151

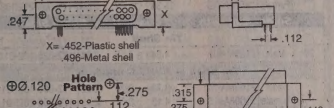
176 Series (.545" Footprint)

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Long Bracket with 4-40 Screw Lock - Tin						
9	Female	176-109F-ND	11.37	9.80	6.67	176-009-212-151
15	Male	176-115M-ND	6.12	5.28	3.59	176-015-112-151
	Female	176-115F-ND	12.30	10.60	7.21	176-015-212-151
25	Female	176-125F-ND	15.89	13.70	9.32	176-025-212-151

177 Series (.590" Footprint)

Conn. Size	Dimensions (Inch) A	B	C
9	1.228	0.984	0.436
15	1.556	1.312	0.763
25	2.100	1.852	1.308
37	2.742	2.500	1.962

Materials: • **Shell:** Steel, zinc with tin plating; or plastic • **Insulator:** Glass-filled thermoplastic, UL rated 94V-0 • **Stamped Contacts:** Cupronickel alloys • **Plating:** Gold over nickel on mating area, tin/lead on solder tails

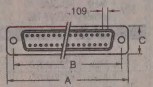


No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Metal Shell with Inside Ground Straps and .120" Diameter Hole						
9	Male	177-709M-ND	12.70	10.95	7.45	177-009-112-161
15	Male	177-715M-ND	14.50	12.50	8.50	177-015-112-161
	Female	177-715F-ND	14.91	12.85	8.74	177-015-212-161
25	Male	177-725M-ND	9.28	8.00	5.44	177-025-112-161
	Female	177-725F-ND	14.79	12.75	8.67	177-025-212-161
37	Male	177-737M-ND	19.02	16.40	11.16	177-037-112-161
	Female	177-737F-ND	17.57	15.15	10.31	177-037-212-161
Metal Shell with Inside Ground Straps and 4-40 Flush Insert						
9	Male	309M-ND	6.44	5.55	3.78	177-009-112-171
	Female	309F-ND	9.31	8.03	5.46	177-009-212-171
15	Male	315M-ND	5.80	5.00	3.40	177-015-112-171
	Female	315F-ND	6.38	5.50	3.74	177-015-212-171
25	Male	325M-ND	11.25	9.70	6.60	177-025-112-171
	Female	325F-ND	7.71	6.65	4.53	177-025-212-171
37	Female	337F-ND	12.18	10.50	7.14	177-037-212-171
Metal Shell with Inside Ground Straps and 4-40 Hex Standoff						
9	Male	177-809M-ND	5.22	4.50	3.06	177-009-112-181
	Female	177-809F-ND	5.74	4.95	3.37	177-009-212-181
15	Male	177-815M-ND	6.26	5.40	3.68	177-015-112-181
	Female	177-815F-ND	6.67	5.75	3.91	177-015-212-181
25	Male	177-825M-ND	7.19	6.20	4.22	177-025-112-181
	Female	177-825F-ND	7.95	6.85	4.66	177-025-212-181
37	Male	177-837M-ND	8.70	7.50	5.10	177-037-112-181
	Female	177-837F-ND	10.15	8.75	5.95	177-037-212-181
Plastic Shell with .120" Diameter Hole						
9	Male	177-509M-ND	4.84	4.18	2.84	177-009-110-061
	Female	177-509F-ND	6.00	5.18	3.52	177-009-210-061
15	Male	177-515M-ND	6.41	5.53	3.76	177-015-110-061
	Female	177-515F-ND	8.44	7.28	4.95	177-015-210-061
25	Male	177-525M-ND	5.19	4.48	3.05	177-025-110-061
	Female	177-525F-ND	7.83	6.75	4.59	177-025-210-061
37	Male	177-537M-ND	6.41	5.53	3.76	177-037-110-061
	Female	177-537F-ND	12.18	10.50	7.14	177-037-210-061
Plastic Shell with 4-40 Flush Insert						
9	Male	409M-ND	6.84	5.90	4.02	177-009-110-071

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
15	Male	415M-ND	8.15	7.03	4.78	177-015-110-071
	Female	415F-ND	5.48	4.73	3.22	177-015-210-071
25	Male	425M-ND	6.29	5.43	3.69	177-025-110-071
	Female	425F-ND	9.77	8.43	5.73	177-025-210-071
37	Male	437M-ND	7.60	6.55	4.46	177-037-110-071
	Female	437F-ND	8.38	7.23	4.92	177-037-210-071
Plastic Shell with 4-40 Hex Standoff						
9	Male	177-609M-ND	5.92	5.10	3.47	177-009-110-081
	Female	177-609F-ND	5.02	4.33	2.95	177-009-210-081
15	Male	177-615M-ND	5.22	4.50	3.06	177-015-110-081
	Female	177-615F-ND	11.37	9.80	6.67	177-015-210-081
25	Male	177-625M-ND	6.55	5.65	3.85	177-025-110-081
	Female	177-625F-ND	9.57	8.25	5.61	177-025-210-081
37	Male	177-637M-ND	7.63	6.58	4.48	177-037-110-081
	Female	177-637F-ND	8.79	7.58	5.16	177-037-210-081

182 Economy Series (.318" Footprint)

Materials: • **Shell:** Steel, tin plating • **Shell-RoHS Compliant:** Steel, nickel plating • **Insulator:** Glass-filled thermoplastic, UL rated 94V-0 • **Stamped Contacts:** Brass • **Plating:** Gold flash on entire contact

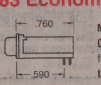


Connector Size	Dimensions (Inch) A	B	C
9	1.213	0.984	0.494
15	1.541	1.312	0.494
25	2.088	1.852	0.494
37	2.729	2.500	0.494

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Inside Ground Straps and .120" Diameter Hole						
Metal Shell						
15	Male	182-715M-ND	2.12	1.83	1.25	182-015-112-161
	Female	182-715F-ND	2.29	1.98	1.35	182-015-212-161
25	Male	182-725M-ND	2.61	2.25	1.53	182-025-112-161
37	Male	182-737M-ND	3.65	3.15	2.15	182-037-112-161
Nickel Shell — RoHS Compliant						
9	Male	182-709ME-ND	1.35	1.17	.80	182-009-113R161
	Female	182-709FE-ND	1.42	1.23	.84	182-009-213R161
15	Male	182-715ME-ND	1.55	1.34	.92	182-015-113R161
	Female	182-715FE-ND	1.69	1.46	1.00	182-015-213R161
25	Male	182-725ME-ND	1.93	1.67	1.14	182-025-113R161
	Female	182-725FE-ND	2.00	1.72	1.17	182-025-213R161
37	Male	182-737ME-ND	2.71	2.34	1.59	182-037-113R161
	Female	182-737FE-ND	2.81	2.42	1.65	182-037-213R161
Inside Ground Straps and 4-40 Flush Insert						
Metal Shell						
9	Male	182-909M-ND	1.83	1.58	1.08	182-009-112-171
15	Male	182-915M-ND	2.12	1.83	1.25	182-015-112-171
25	Male	182-925M-ND	2.61	2.25	1.53	182-025-112-171
37	Male	182-937M-ND	3.65	3.15	2.15	182-037-112-171
Nickel Shell — RoHS Compliant						
9	Male	182-909ME-ND	1.35	1.17	.80	182-009-113R171
	Female	182-909FE-ND	1.42	1.23	.84	182-009-213R171
15	Male	182-915ME-ND	1.55	1.34	.92	182-015-113R171
	Female	182-915FE-ND	1.69	1.46	1.00	182-015-213R171
25	Male	182-925ME-ND	1.93	1.67	1.14	182-025-113R171
	Female	182-925FE-ND	2.00	1.72	1.17	182-025-213R171
37	Male	182-937ME-ND	2.71	2.34	1.59	182-037-113R171
	Female	182-937FE-ND	2.81	2.42	1.65	182-037-213R171
Inside Ground Straps and 4-40 Hex Standoff						
Metal Shell						
15	Male	182-815M-ND	2.20	1.90	1.30	182-015-112-181
	Female	182-815F-ND	2.47	2.13	1.45	182-015-212-181
25	Female	182-925F-ND	2.87	2.48	1.69	182-025-212-181
37	Male	182-837M-ND	3.94	3.40	2.32	182-037-112-181
	Female	182-837F-ND	3.97	3.43	2.33	182-037-212-181
Nickel Shell — RoHS Compliant						
9	Male	182-809ME-ND	1.35	1.17	.80	182-009-113R181
	Female	182-809FE-ND	1.42	1.23	.84	182-009-213R181
15	Male	182-815ME-ND	1.62	1.40	.96	182-015-113R181
	Female	182-815FE-ND	1.83	1.58	1.08	182-015-213R181
25	Male	182-825ME-ND	2.06	1.78	1.21	182-025-113R181
	Female	182-825FE-ND	2.13	1.84	1.25	182-025-213R181
37	Male	182-837ME-ND	2.87	2.48	1.69	182-037-113R181
	Female	182-837FE-ND	2.94	2.54	1.73	182-037-213R181
Fork Board Locks in Front Hole and 4-40 Flush Insert						
Metal Shell						
9	Male	182-09M-ND	1.60	1.38	.94	182-009-112-531
	Female	182-09F-ND	1.68	1.45	.99	182-009-212-531
25	Male	182-25M-ND	2.12	1.83	1.25	182-025-112-531
	Female	182-25F-ND	2.23	1.93	1.31	182-025-212-531
37	Female	182-37F-ND	3.65	3.15	2.15	182-037-212-531
Nickel Shell — RoHS Compliant						
9	Male	182-09ME-ND	1.18	1.02	.70	182-009-113R531
	Female	182-09FE-ND	1.25	1.08	.74	182-009-213R531

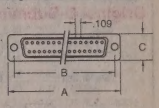
No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
15	Male	182-15ME-ND	1.35	1.17	.80	182-015-113R531
	Female	182-15FE-ND	1.55	1.34	.92	182-015-213R531
25	Male	182-25ME-ND	1.55	1.34	.92	182-025-113R531
	Female	182-25FE-ND	1.66	1.43	.98	182-025-213R531
37	Male	182-37ME-ND	2.60	2.25	1.53	182-037-113R531
	Female	182-37FE-ND	2.71	2.34	1.59	182-037-213R531

183 Economy Series (.590" Footprint)



Materials: • **Shell:** Steel, tin plating • **Shell-RoHS Compliant:** Steel, nickel plating • **Insulator:** Glass-filled thermoplastic, UL rated 94V-0 • **Stamped Contacts:** Brass • **Plating:** Gold flash on entire contact

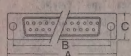
Conn. Size	Dimensions (Inch) A	B	C
9	1.213	0.984	0.494
15	1.541	1.312	0.494
25	2.088	1.852	0.494
37	2.729	2.500	0.494



No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Inside Ground Straps and .120" Diameter Hole						
Metal Shell						
9	Male	183-709M-ND	1.62	1.40	.96	183-009-112-161
15	Male	183-715M-ND	2.32	2.00	1.36	183-015-112-161
	Female	183-715F-ND	2.41	2.08	1.42	183-015-212-161
25	Male	183-725M-ND	2.78	2.40	1.64	183-025-112-161
37	Male	183-737M-ND	4.21	3.63	2.47	183-037-112-161
	Female	183-737F-ND	4.35	3.75	2.55	183-037-212-161
Nickel Shell — RoHS Compliant						
9	Male	183-709ME-ND	1.89	1.64	1.12	183-009-113R161
	Female	183-709FE-ND	2.00	1.72	1.17	183-009-213R161
15	Male	183-715ME-ND	2.71	2.34	1.59	183-015-113R161
	Female	183-715FE-ND	2.81	2.42	1.65	183-015-213R161
25	Male	183-725ME-ND	3.25	2.80	1.91	183-025-113R161
	Female	183-725FE-ND	3.35	2.89	1.97	183-025-213R161
37	Male	183-737ME-ND	4.90	4.23	2.88	183-037-113R161
	Female	183-737FE-ND	5.07	4.38	2.98	183-037-213R161
Inside Ground Straps and 4-40 Flush Insert						
Metal Shell						
9	Female	183-909F-ND	1.71	1.48	1.01	183-009-212-171
15	Male	183-915M-ND	2.32	2.00	1.36	183-015-112-171
	Female	183-915F-ND	2.41	2.08	1.42	183-015-212-171
37	Male	183-937M-ND	4.21	3.63	2.47	183-037-112-171
	Female	183-937F-ND	4.35	3.75	2.55	183-037-212-171
Nickel Shell — RoHS Compliant						
9	Male	183-909ME-ND	1.89	1.64	1.12	183-009-113R171
	Female	183-909FE-ND	2.00	1.72	1.17	183-009-213R171
15	Male	183-915ME-ND	2.71	2.34	1.59	183-015-113R171
	Female	183-915FE-ND	2.81	2.42	1.65	183-015-213R171
25	Male	183-925ME-ND	3.25	2.80	1.91	183-025-113R171
	Female	183-925FE-ND	3.35	2.89	1.97	183-025-213R171
37	Male	183-937ME-ND	4.90	4.23	2.88	183-037-113R171
	Female	183-937FE-ND	5.07	4.38	2.98	183-037-213R171
Inside Ground Straps and 4-40 Hex Standoff						
Metal Shell						
15	Male	183-815M-ND	2.52	2.18	1.48	183-015-112-181
	Female	183-815F-ND	2.64	2.28	1.55	183-015-212-181
25	Female	183-825F-ND	2.99	2.58	1.76	183-025-212-181
37	Male	183-837M-ND	4.44	3.83	2.61	183-037-112-181
	Female	183-837F-ND	4.64	4.00	2.72	183-037-212-181
Nickel Shell — RoHS Compliant						
9	Male	183-809ME-ND	2.26	1.96	1.33	183-009-113R181
	Female	183-809FE-ND	2.37	2.04	1.39	183-009-213R181
15	Male	183-815ME-ND	2.94	2.54	1.73	183-015-113R181
	Female	183-815FE-ND	3.08	2.66	1.81	183-015-213R181
25	Male	183-825ME-ND	3.38	2.92	1.99	183-025-113R181
	Female	183-825FE-ND	3.48	3.01	2.05	183-025-213R181
37	Male	183-837ME-ND	5.17	4.46	3.04	183-037-113R181
	Female	183-837FE-ND	5.41	4.67	3.18	183-037-213R181
Fork Board Locks in Front Hole and 4-40 Flush Insert						
Metal Shell						
9	Male	183-09M-ND	1.48	1.28	.87	183-009-112-531
	Female	183-09F-ND	1.48	1.28	.87	183-009-212-531
15	Male	183-15M-ND	1.94	1.68	1.14	183-015-112-531
	Female	183-15F-ND	2.20	1.90	1.30	183-015-212-531
25	Male	183-25M-ND	2.26	1.95	1.33	183-025-112-531
37	Male	183-37M-ND	3.63	3.13	2.13	183-037-112-531
	Female	183-37F-ND	3.63	3.13	2.13	183-037-212-531
Nickel Shell — RoHS Compliant						
9	Male	183-09ME-ND	1.73	1.49	1.02	183-009-113R531
	Female	183-09FE-ND	1.73	1.49	1.02	183-009-213R531
15	Male	183-15ME-ND	2.26	1.96	1.33	183-015-113R531
	Female	183-15FE-ND	2.57	2.22	1.51	183-015-213R531
25	Male	183-25ME-ND	2.64	2.28	1.55	183-025-113R531
	Female	183-25FE-ND	2.91	2.51	1.71	183-025-213R531
37	Male	183-37ME-ND	4.23	3.65	2.48	183-037-113R531
	Female	183-37FE-ND	4.23	3.65	2.48	183-037-213R531

NORCOMP

D-Sub Connectors

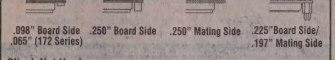


Conn. Size	Dimension (Inch) A	B	C
9	1.213	0.984	0.496
15	1.543	1.312	0.496
25	2.087	1.852	0.496
37	2.732	2.500	0.496
50	2.638	2.406	0.606

Features: • Available in 5 industry sizes/positions • Non-removable contacts • Tin or Yellow Chromate shells available • Tin shells have indents to provide grounding and additional retention • Screw machine contacts offer high reliability. **Materials:** • **Shell:** Steel, zinc plated with yellow chromate, bright tin over nickel • **Shell-RoHS Compliant:** Steel, nickel plated • **Insulator:** Glass-filled thermoplastic, UL rated 94V-0 • **Contacts:** Brass male pins; Phosphor bronze female pins • **Plating:** Gold flash on entire contact

Original D-Subminiature

Solder Cup | Dip Solder | 2-Level Wire Wrap

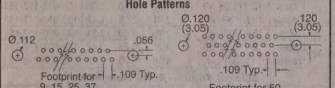


.098" Board Side .055" (172 Series) | .250" Board Side | .250" Mating Side | .225" Board Side/ .197" Mating Side

Clinch Nut Hardware

Clinch Nuts: Brass, clear zinc plating with 4-40 threads

Hole Patterns



Footprint for 9, 15, 25, 37 | Footprint for 50

Series 171 – Stamped Contacts

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Solder Cup						
Tin Shell						
9	Female	209F-ND	.67	.58	.40	171-009-202-001
25	Female	225F-ND	1.26	1.09	.75	171-025-202-001
37	Female	237F-ND	2.29	1.98	1.35	171-037-202-001
50	Male	250M-ND	4.07	3.51	2.39	171-050-102-001
	Female	250F-ND	4.42	3.81	2.60	171-050-202-001
Nickel Shell — RoHS Compliant						
9	Male	209ME-ND	.70	.61	.42	171-009-103L001
	Female	209FE-ND	.77	.67	.46	171-009-203L001
15	Male	215ME-ND	1.04	.90	.62	171-015-103L001
	Female	215FE-ND	1.29	1.11	.76	171-015-203L001
25	Male	225ME-ND	1.17	1.01	.69	171-025-103L001
	Female	225FE-ND	1.37	1.18	.81	171-025-203L001
37	Male	237ME-ND	2.21	1.91	1.30	171-037-103L001
	Female	237FE-ND	2.61	2.25	1.53	171-037-203L001
50	Male	250ME-ND	4.41	3.81	2.59	171-050-103L001
	Female	250FE-ND	4.79	4.13	2.81	171-050-203L001
Solder Cup with .098" Clinch Nuts, Board Side						
Tin Shell						
9	Male	1209M-ND	1.57	1.35	.92	171-009-102-011
15	Male	1215M-ND	1.91	1.65	1.13	171-015-102-011
	Female	1215F-ND	2.15	1.85	1.26	171-015-202-011
37	Male	1237M-ND	3.05	2.63	1.79	171-037-102-011
	Female	1237F-ND	3.48	3.00	2.04	171-037-202-011
50	Male	1250M-ND	5.42	4.68	3.18	171-050-102-011
Nickel Shell — RoHS Compliant						
9	Male	1209ME-ND	1.63	1.41	.96	171-009-103L011
	Female	1209FE-ND	1.69	1.46	1.00	171-009-203L011
15	Male	1215ME-ND	1.96	1.70	1.16	171-015-103L011
	Female	1215FE-ND	2.21	1.91	1.30	171-015-203L011
25	Male	1225ME-ND	2.09	1.80	1.23	171-025-103L011
	Female	1225FE-ND	2.29	1.98	1.35	171-025-203L011
37	Male	1237ME-ND	3.13	2.70	1.84	171-037-103L011
	Female	1237FE-ND	3.53	3.05	2.07	171-037-203L011
50	Male	1250ME-ND	5.33	4.60	3.13	171-050-103L011
	Female	1250FE-ND	5.71	4.93	3.35	171-050-203L011
Solder Cup with .250" Clinch Nuts, Board Side						
Tin Shell						
15	Female	2215F-ND	2.15	1.85	1.26	171-015-202-021
25	Female	2225F-ND	2.32	2.00	1.36	171-025-202-021
37	Male	2237M-ND	3.05	2.63	1.79	171-037-102-021
	Female	2237F-ND	3.48	3.00	2.04	171-037-202-021
50	Male	2250M-ND	5.42	4.68	3.18	171-050-102-021
	Female	2250F-ND	5.83	5.03	3.42	171-050-202-021
Nickel Shell — RoHS Compliant						
9	Male	2209ME-ND	1.63	1.41	.96	171-009-103L021
	Female	2209FE-ND	1.69	1.46	1.00	171-009-203L021
15	Male	2215ME-ND	1.96	1.70	1.16	171-015-103L021
	Female	2215FE-ND	2.21	1.91	1.30	171-015-203L021
25	Male	2225ME-ND	2.09	1.80	1.23	171-025-103L021
	Female	2225FE-ND	2.29	1.98	1.35	171-025-203L021
37	Male	2237ME-ND	3.13	2.70	1.84	171-037-103L021
	Female	2237FE-ND	3.53	3.05	2.07	171-037-203L021
50	Male	2250ME-ND	5.33	4.60	3.13	171-050-103L021
	Female	2250FE-ND	5.71	4.93	3.35	171-050-203L021
Solder Cup with .250" Clinch Nuts, Mating Side						
Tin Shell						
15	Male	3215M-ND	1.91	1.65	1.13	171-015-102-031
25	Female	3225F-ND	2.32	2.00	1.36	171-025-202-031
37	Female	3237M-ND	3.05	2.63	1.79	171-037-102-031
	Female	3237F-ND	3.48	3.00	2.04	171-037-202-031
50	Male	3250M-ND	5.42	4.68	3.18	171-050-102-031
	Female	3250F-ND	5.83	5.03	3.42	171-050-202-031
Nickel Shell — RoHS Compliant						
9	Male	3209ME-ND	1.63	1.41	.96	171-009-103L031
	Female	3209FE-ND	1.69	1.46	1.00	171-009-203L031
15	Male	3215ME-ND	1.96	1.70	1.16	171-015-103L031
	Female	3215FE-ND	2.21	1.91	1.30	171-015-203L031
25	Male	3225ME-ND	2.09	1.80	1.23	171-025-103L031
	Female	3225FE-ND	2.29	1.98	1.35	171-025-203L031
37	Male	3237ME-ND	3.13	2.70	1.84	171-037-103L031
	Female	3237FE-ND	3.53	3.05	2.07	171-037-203L031
50	Male	3250ME-ND	5.33	4.60	3.13	171-050-103L031
	Female	3250FE-ND	5.71	4.93	3.35	171-050-203L031
Dip Solder						
Tin Shell						
25	Male	4225M-ND	2.52	2.18	1.48	171-025-112-001
37	Male	4237M-ND	4.32	3.73	2.54	171-037-112-001
	Female	4237F-ND	2.87	2.48	1.69	171-037-212-001
50	Male	4250M-ND	4.55	3.93	2.67	171-050-112-001
	Female	4250F-ND	4.38	3.78	2.57	171-050-212-001
Nickel Shell — RoHS Compliant						
9	Male	4209ME-ND	1.19	1.03	.71	171-009-113R001
	Female	4209FE-ND	1.35	1.17	.80	171-009-213R001
15	Male	4215ME-ND	1.84	1.59	1.08	171-015-113R001
	Female	4215FE-ND	1.49	1.29	.88	171-015-213R001
25	Male	4225ME-ND	2.55	2.20	1.50	171-025-113R001
	Female	4225FE-ND	1.89	1.64	1.12	171-025-213R001
37	Male	4237ME-ND	4.56	3.94	2.68	171-037-113R001
	Female	4237FE-ND	3.08	2.66	1.81	171-037-213R001
50	Male	4250ME-ND	5.07	4.38	2.98	171-050-113R001
	Female	4250FE-ND	4.90	4.23	2.88	171-050-213R001
Dip Solder with .098" Clinch Nuts, Board Side						
Tin Shell						
9	Male	5209M-ND	2.00	1.73	1.18	171-009-112-011
	Female	5209F-ND	2.15	1.85	1.26	171-009-212-011
15	Male	5215M-ND	2.67	2.30	1.57	171-015-112-011
	Female	5215F-ND	2.26	1.95	1.33	171-015-212-011
37	Male	5237M-ND	5.19	4.48	3.05	171-037-112-011
	Female	5237F-ND	3.74	3.23	2.20	171-037-212-011
50	Male	5250M-ND	5.42	4.68	3.18	171-050-112-011
	Female	5250F-ND	5.25	4.53	3.08	171-050-212-011
Nickel Shell — RoHS Compliant						
9	Male	5209ME-ND	2.12	1.83	1.25	171-009-113R011
	Female	5209FE-ND	2.27	1.96	1.34	171-009-213R011
15	Male	5215ME-ND	2.76	2.38	1.62	171-015-113R011
	Female	5215FE-ND	2.41	2.08	1.42	171-015-213R011
25	Male	5225ME-ND	3.47	3.00	2.04	171-025-113R011
	Female	5225FE-ND	2.82	2.43	1.66	171-025-213R011
37	Male	5237ME-ND	5.49	4.73	3.22	171-037-113R011
	Female	5237FE-ND	4.00	3.45	2.35	171-037-213R011
50	Male	5250ME-ND	5.99	5.17	3.52	171-050-113R011
	Female	5250FE-ND	5.83	5.03	3.42	171-050-213R011
Dip Solder with .250" Clinch Nuts, Board Side						
Tin Shell						
9	Male	6209M-ND	2.00	1.73	1.18	171-009-112-021
	Female	6209F-ND	2.15	1.85	1.26	171-009-212-021
15	Male	6215M-ND	2.67	2.30	1.57	171-015-112-021
	Female	6215F-ND	2.26	1.95	1.33	171-015-212-021
25	Male	6225M-ND	3.39	2.93	1.99	171-025-112-021
	Female	6225F-ND	2.64	2.28	1.55	171-025-212-021
37	Female	6237F-ND	3.74	3.23	2.20	171-037-212-021
50	Male	6250M-ND	5.42	4.68	3.18	171-050-112-021
	Female	6250F-ND	5.25	4.53	3.08	171-050-212-021
Nickel Shell — RoHS Compliant						
9	Male	6209ME-ND	2.12	1.83	1.25	171-009-113R021
	Female	6209FE-ND	2.27	1.96	1.34	171-009-213R021
15	Male	6215ME-ND	2.76	2.38	1.62	171-015-113R021
	Female	6215FE-ND	2.41	2.08	1.42	171-015-213R021
25	Male	6225ME-ND	3.47	3.00	2.04	171-025-113R021
	Female	6225FE-ND	2.82	2.43	1.66	171-025-213R021
37	Male	6237ME-ND	5.49	4.73	3.22	171-037-113R021
	Female	6237FE-ND	4.00	3.45	2.35	171-037-213R021
50	Male	6250ME-ND	5.99	5.17	3.52	171-050-113R021
	Female	6250FE-ND	5.83	5.03	3.42	171-050-213R021
Dip Solder with .250" Clinch Nuts, Mating Side						
Tin Shell						
9	Male	7209M-ND	2.00	1.73	1.18	171-009-112-031
	Female	7209F-ND	2.15	1.85	1.26	171-009-212-031
15	Male	7215M-ND	2.67	2.30	1.57	171-015-112-031
	Female	7215F-ND	2.26	1.95	1.33	171-015-212-031
25	Male	7225M-ND	3.39	2.93	1.99	171-025-112-031
37	Male	7237M-ND	5.19	4.48	3.05	171-037-112-031
	Female	7237F-ND	3.74	3.23	2.20	171-037-212-031
50	Male	7250M-ND	5.42	4.68	3.18	171-050-112-031
	Female	7250F-ND	5.25	4.53	3.08	171-050-212-031
Nickel Shell — RoHS Compliant						
9	Male	7209ME-ND	2.12	1.83	1.25	171-009-113R031
	Female	7209FE-ND	2.27	1.96	1.34	171-009-213R031
15	Male	7215ME-ND	2.76	2.38	1.62	171-015-113R031
	Female	7215FE-ND	2.41	2.08	1.42	171-015-213R031
25	Male	7225ME-ND	3.47	3.00	2.04	171-025-113R031
	Female	7225FE-ND	2.82	2.43	1.66	171-025-213R031
37	Male	7237ME-ND	5.49	4.73	3.22	171-037-113R031
	Female	7237FE-ND	4.00	3.45	2.35	171-037-213R031
50	Male	7250ME-ND	5.99	5.17	3.52	171-050-113R031
	Female	7250FE-ND	5.83	5.03	3.42	171-050-213R031
Dip Solder with .225 Spacer/Board Lock						
Tin Shell						
9	Female	9209F-ND	2.61	2.25	1.53	171-009-212-911
15	Female	9215F-ND	3.25	2.80	1.91	171-015-212-911
50	Male	9250M-ND	5.80	4.83	3.29	171-050-112-911
	Female	9250F-ND	5.89	5.08	3.46	171-050-212-911
Nickel Shell — RoHS Compliant						
9	Male	9209ME-ND	2.73	2.36	1.61	171-009-113R911
	Female	9209FE-ND	2.89	2.49	1.70	171-009-213R911
15	Male	9215ME-ND	3.38	2.91	1.98	171-015-113R911
	Female	9215FE-ND	3.02	2.61	1.78	171-015-213R911
25	Male	9225ME-ND	4.09	3.53	2.40	171-025-113R911
	Female	9225FE-ND	3.57	3.08	2.10	171-025-213R911
37	Male	9237ME-ND	6.10	5.26	3.58	171-037-113R911
	Female	9237FE-ND	4.61	3.98	2.71	171-037-213R911
50	Male	9250ME-ND	6.61	5.70	3.88	171-050-113R911
	Female	9250FE-ND	6.44	5.56	3.78	171-050-213R911

Series 172 – Machined Contacts

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Solder Cup						
Tin Shell — RoHS Compliant						
9	Male	1109MA-ND	2.58	2.23	1.52	172-009-102R001
	Female	1109FA-ND	2.94	2.54	1.73	172-009-202R001
15	Male	1115MA-ND	3.26	2.82	1.92	172-015-102R001
	Female	1115FA-ND	3.94	3.40	2.31	172-015-202R001
25	Male	1125MA-ND	4.23	3.65	2.49	172-025-102R001
	Female	1125FA-ND	5.81	5.01	3.41	172-025-202R001
37	Male	1137MA-ND	5.68	4.90	3.34	172-037-102R001
	Female	1137FA-ND	7.88	6.79	4.62	172-037-202R001
50	Male	1150MA-ND	10.17	8.77	5.97	172-050-102R001
	Female	1150FA-ND	15.33	13.22	8.99	172-050-202R001
Solder Cup with .065" Clinch Nuts, Board Side						
Tin Shell						
25	Male	2125M-ND	4.84	4.18	2.84	172-025-102-011
Tin Shell — RoHS Compliant						
9	Male	2109MA-ND	3.78	3.26	2.22	172-009-102R011
	Female	2109FA-ND	4.13	3.57	2.43	172-009-202R011
15	Male	2115MA-ND	4.45	3.84	2.62	172-015-102R011
	Female	2115FA-ND	5.10	4.40	3.00	172-015-202R011
25	Male	2125MA-ND	5.13	4.43	3.01	172-025-102R011
	Female	2125FA-ND	7.01	6.04	4.11	172-025-202R011
37	Male	2137MA-ND	6.84	5.90	4.02	172-037-102R011
	Female	2137FA-ND	9.07	7.82	5.32	172-037-202R011
50	Male	2150MA-ND	11.33	9.77	6.65	172-050-102R011
	Female	2150FA-ND	16.53	14.25	9.69	172-050-202R011
Yellow Chromate						
37	Male	5137M-ND	6.55	5.65	3.85	172-037-101-011
50	Female	5150F-ND	14.85	12.80	8.71	172-050-201-011
Solder Cup with .250" Clinch Nuts, Board Side						
Tin Shell						
15	Male	3115M-ND	4.00	3.45	2.35	172-015-102-021
37	Female	3137F-ND	8.15	7.03	4.78	172-037-202-021
50	Male	3150M-ND	10.18	8.78	5.97	172-050-102-021
	Female	3150F-ND	14.85	12.80	8.71	172-050-202-021
Tin Shell — RoHS Compliant						
9	Male	3109MA-ND	3.78	3.26	2.22	172-009-102R021
	Female	3109FA-ND	4.13	3.57	2.43	172-009-202R021
15	Male	3115MA-ND	4.45	3.84	2.62	172-015-102R021
	Female	3115FA-ND	5.10	4.40	3.00	172-015-202R021
25	Male	3125MA-ND	5.13	4.43	3.01	172-025-102R021
	Female	3125FA-ND	7.01	6.04	4.11	172-025-202R021
37	Male	3137MA-ND	6.84	5.90	4.02	172-037-102R021
	Female	3137FA-ND	9.07	7.82	5.32	172-037-202R021
50	Male	3150MA-ND	11.33	9.77	6.65	172-050-102R021
	Female	3150FA-ND	16.53	14.25	9.69	172-050-202R021
Yellow Chromate						
37	Male	6137M-ND	6.55	5.65	3.85	172-037-101-021
Solder Cup with .250" Clinch Nuts, Mating Side						
Tin Shell						
15	Male	4115M-ND	4.00	3.45	2.35	172-015-102-031
Tin Shell — RoHS Compliant						
9	Male	4109MA-ND	3.78	3.26	2.22	172-009-102R031
	Female	4109FA-ND	4.13	3.57	2.43	172-009-202R031
15	Male	4115MA-ND	4.45	3.84	2.62	172-015-102R031
	Female	4115FA-ND	5.10	4.40	3.00	172-015-202R031
25	Male	4125MA-ND	5.13	4.43	3.01	172-025-102R031
	Female	4125FA-ND	7.01	6.04	4.11	172-025-202R031
37	Male	4137MA-ND	6.84	5.90	4.02	172-037-102R031
	Female	4137FA-ND	9.07	7.82	5.32	172-037-202R031
50	Male	4150MA-ND	11.33	9.77	6.65	172-050-102R031
	Female	4150FA-ND	16.53	14.25	9.69	172-050-202R031

(Continued)

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D-Sub Connectors *(Cont.)*

Series 172 – Machined Contacts *(Cont.)*

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Yellow Chromate						
37	Female	7137F-ND	8.67	7.48	5.09	172-037-201-031
50	Female	7150F-ND	14.85	12.80	8.71	172-050-201-031
Dip Solder						
Tin Shell — RoHS Compliant						
9	Male	1509MNA-ND	2.81	2.42	1.65	172-009-112R001
	Female	1509FNA-ND	3.48	3.01	2.05	172-009-212R001
15	Male	1515MNA-ND	3.75	3.24	2.20	172-015-112R001
	Female	1515FNA-ND	4.87	4.20	2.86	172-015-212R001
25	Male	1525MNA-ND	4.67	4.03	2.74	172-025-112R001
	Female	1525FNA-ND	7.27	6.27	4.27	172-025-212R001
37	Male	1537MNA-ND	6.39	5.51	3.75	172-037-112R001
	Female	1537FNA-ND	10.25	8.84	6.01	172-037-212R001
50	Male	1550MNA-ND	10.65	9.19	6.25	172-050-112-001
	Female	1550FNA-ND	13.59	11.72	7.97	172-050-212-001
Yellow Chromate						
37	Male	537M-ND	5.51	4.75	3.23	172-037-111-001
Dip Solder with .065" Clinch Nuts, Board Side						
Tin Shell						
37	Male	2537M-ND	6.55	5.65	3.85	172-037-112-011
Tin Shell — RoHS Compliant						
9	Male	2509MA-ND	4.03	3.47	2.36	172-009-112R011
	Female	2509FA-ND	4.73	4.08	2.78	172-009-212R011
15	Male	2515MA-ND	4.97	4.29	2.92	172-015-112R011
	Female	2515FA-ND	6.09	5.25	3.57	172-015-212R011
25	Male	2525MA-ND	5.88	5.08	3.45	172-025-112R011
	Female	2525FA-ND	8.49	7.32	4.98	172-025-212R011
37	Male	2537MA-ND	7.64	6.59	4.48	172-037-112R011
	Female	2537FA-ND	11.46	9.89	6.73	172-037-212R011
50	Male	2550MA-ND	11.87	10.24	6.96	172-050-112R011
	Female	2550FA-ND	14.81	12.77	8.69	172-050-212R011
Yellow Chromate						
15	Female	5515F-ND	5.19	4.48	3.05	172-015-211-011
37	Male	5537M-ND	6.58	5.68	3.86	172-037-111-011
Dip Solder with .250" Clinch Nuts, Board Side						
Tin Shell						
37	Female	3537F-ND	9.83	8.48	5.77	172-037-212-021
50	Male	3550M-ND	10.18	8.78	5.97	172-050-112-021
Tin Shell — RoHS Compliant						
9	Male	3509MA-ND	4.03	3.47	2.36	172-009-112R021
	Female	3509FA-ND	4.73	4.08	2.78	172-009-212R021
15	Male	3515MA-ND	4.97	4.29	2.92	172-015-112R021
	Female	3515FA-ND	6.09	5.25	3.57	172-015-212R021
25	Male	3525MA-ND	5.88	5.08	3.45	172-025-112R021
	Female	3525FA-ND	8.49	7.32	4.98	172-025-212R021
37	Male	3537MA-ND	7.64	6.59	4.48	172-037-112R021
	Female	3537FA-ND	11.46	9.89	6.73	172-037-212R021
50	Male	3550MA-ND	11.87	10.24	6.96	172-050-112R021
	Female	3550FA-ND	14.81	12.77	8.69	172-050-212R021
Yellow Chromate						
9	Male	6509M-ND	3.10	2.68	1.82	172-009-111-021
37	Female	6537F-ND	9.25	7.98	5.43	172-037-211-021
Dip Solder with .250" Clinch Nuts, Mating Side						
Tin Shell						
9	Male	4515M-ND	4.26	3.68	2.50	172-015-112-031
25	Male	4525M-ND	5.05	4.35	2.96	172-025-112-031
50	Male	4550M-ND	10.18	8.78	5.97	172-050-112-031
	Female	4550F-ND	12.70	10.95	7.45	172-050-212-031
Tin Shell — RoHS Compliant						
9	Male	4509MA-ND	4.03	3.47	2.36	172-009-112R031
	Female	4509FA-ND	4.73	4.08	2.78	172-009-212R031
15	Male	4515MA-ND	4.97	4.29	2.92	172-015-112R031
	Female	4515FA-ND	6.09	5.25	3.57	172-015-212R031
25	Male	4525MA-ND	5.88	5.08	3.45	172-025-112R031
	Female	4525FA-ND	8.49	7.32	4.98	172-025-212R031
37	Male	4537MA-ND	7.64	6.59	4.48	172-037-112R031
	Female	4537FA-ND	11.46	9.89	6.73	172-037-212R031
50	Male	4550MA-ND	11.87	10.24	6.96	172-050-112R031
	Female	4550FA-ND	14.81	12.77	8.69	172-050-212R031
Yellow Chromate						
50	Male	7550M-ND	10.18	8.78	5.97	172-050-111-031
	Female	7550F-ND	12.70	10.95	7.45	172-050-211-031
Dip Solder with .225" Board Side, .197" Mating Side Clinch Nuts						
Tin Shell						
50	Male	2950M-ND	10.90	9.40	6.40	172-050-112-911

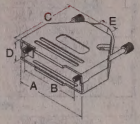
No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Tin Shell — RoHS Compliant						
9	Male	2909MA-ND	4.83	4.17	2.84	172-009-112R911
	Female	2909FA-ND	5.16	3.73	3.06	172-009-212R911
15	Male	2915MA-ND	5.82	5.02	3.42	172-015-112R911
	Female	2915FA-ND	6.93	5.98	4.07	172-015-212R911
25	Male	2925MA-ND	6.70	5.78	3.93	172-025-112R911
	Female	2925FA-ND	9.30	8.02	5.46	172-025-212R911
37	Male	2937MA-ND	8.45	7.29	4.96	172-037-112R911
	Female	2937FA-ND	12.28	10.59	7.20	172-037-212R911
50	Male	2950MA-ND	12.71	10.96	7.46	172-050-112R911
	Female	2950FA-ND	14.74	12.71	8.64	172-050-212R911
Yellow Chromate						
15	Male	1915M-ND	4.50	3.88	2.64	172-015-111-911
50	Male	1950M-ND	10.90	9.40	6.40	172-050-111-911
Wire Wrap						
Tin Shell						
9	Male	1609MN-ND	3.07	2.65	1.81	172-009-142-001
	Female	1609FN-ND	3.71	3.20	2.18	172-009-242-001
15	Female	1615FN-ND	5.54	4.78	3.25	172-015-242-001
25	Male	1625MN-ND	6.82	5.88	4.00	172-025-142-001
	Female	1625FN-ND	10.96	9.45	6.43	172-025-242-001
50	Male	1650MN-ND	12.76	11.00	7.48	172-050-142-001
	Female	1650FN-ND	16.65	14.35	9.76	172-050-242-001
Tin Shell — RoHS Compliant						
9	Male	1609MNA-ND	3.28	2.83	1.93	172-009-142R001
	Female	1609FNA-ND	3.96	3.41	2.32	172-009-242R001
15	Male	1615MNA-ND	5.01	4.32	2.94	172-015-142R001
	Female	1615FNA-ND	5.87	5.06	3.45	172-015-242R001
25	Male	1625MNA-ND	7.24	6.24	4.25	172-025-142R001
	Female	1625FNA-ND	11.60	10.00	6.80	172-025-242R001
37	Male	1637MNA-ND	10.35	8.92	6.07	172-037-142R001
	Female	1637FNA-ND	12.95	11.17	7.60	172-037-242R001
50	Male	1650MNA-ND	13.53	11.66	7.93	172-050-142R001
	Female	1650FNA-ND	17.65	15.22	15.22	172-050-242R001
Yellow Chromate						
9	Male	609M-ND	2.58	2.23	1.52	172-009-141-001
	Female	609F-ND	3.15	2.72	1.85	172-009-241-001
15	Male	615M-ND	3.83	3.30	2.25	172-015-141-001
37	Female	637F-ND	10.88	9.38	6.38	172-037-241-001
50	Male	650M-ND	10.32	8.90	6.05	172-050-141-001
	Female	650F-ND	13.87	11.96	8.14	172-050-241-001
Wire Wrap with .065" Clinch Nuts, Board Side						
Tin Shell						
9	Male	2609M-ND	3.94	3.40	2.32	172-009-142-011
15	Male	2615M-ND	5.60	4.83	3.29	172-015-142-011
	Female	2615F-ND	6.41	5.53	3.76	172-015-242-011
25	Male	2625M-ND	7.69	6.63	4.51	172-025-142-011
	Female	2625F-ND	11.83	10.20	6.94	172-025-242-011
37	Male	2637M-ND	10.61	9.15	6.23	172-037-142-011
	Female	2637F-ND	13.08	11.28	7.67	172-037-242-011
50	Male	2650M-ND	13.63	11.75	7.99	172-050-142-011
	Female	2650F-ND	17.52	15.10	10.27	172-050-242-011
Tin Shell — RoHS Compliant						
9	Male	2609MA-ND	4.29	3.71	2.52	172-009-142R011
	Female	2609FA-ND	4.69	4.05	2.75	172-009-242R011
15	Male	2615MA-ND	6.02	5.19	3.53	172-015-142R011
	Female	2615FA-ND	6.88	5.94	4.04	172-015-242R011
25	Male	2625MA-ND	8.25	7.12	4.84	172-025-142R011
	Female	2625FA-ND	12.61	10.88	7.40	172-025-242R011
37	Male	2637MA-ND	11.36	9.80	6.67	172-037-142R011
	Female	2637FA-ND	13.97	12.04	8.19	172-037-242R011
50	Male	2650MA-ND	14.54	12.54	8.53	172-050-142R011
	Female	2650FA-ND	18.66	16.09	10.95	172-050-242R011
Yellow Chromate						
9	Male	5609M-ND	3.77	3.25	2.21	172-009-141-011
	Female	5609F-ND	4.44	3.83	2.61	172-009-241-011
15	Female	5615F-ND	6.35	5.48	3.73	172-015-241-011
25	Male	5625M-ND	7.48	6.45	4.39	172-025-141-011
	Female	5625F-ND	7.96	6.86	4.67	172-025-241-011
37	Male	5637M-ND	10.38	8.95	6.09	172-037-141-011
	Female	5637F-ND	13.08	11.28	7.67	172-037-241-011
50	Male	5650M-ND	13.49	11.63	7.91	172-050-141-011
	Female	5650F-ND	17.08	14.73	10.02	172-050-241-011
Wire Wrap with .250" Clinch Nuts, Board Side						
Tin Shell						
9	Male	3609M-ND	3.94	3.40	2.32	172-009-142-021
	Female	3609F-ND	4.58	3.95	2.69	172-009-242-021
15	Male	3615M-ND	5.60	4.83	3.29	172-015-142-021
	Female	3615F-ND	6.41	5.53	3.76	172-015-242-021
25	Male	3625M-ND	7.69	6.63	4.51	172-025-142-021
	Female	3625F-ND	11.83	10.20	6.94	172-025-242-021
37	Male	3637M-ND	10.61	9.15	6.23	172-037-142-021
	Female	3637F-ND	13.08	11.28	7.67	172-037-242-021
50	Male	3650M-ND	13.63	11.75	7.99	172-050-142-021
	Female	3650F-ND	17.52	15.10	10.27	172-050-242-021

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
Tin Shell — RoHS Compliant						
9	Male	3609MA-ND	4.29	3.71	2.52	172-009-142R021
	Female	3609FA-ND	4.97	4.29	2.92	172-009-242R021
15	Male	3615MA-ND	6.02	5.19	3.53	172-015-142R021
	Female	3615FA-ND	6.88	5.94	4.04	172-015-242R021
25	Male	3625MA-ND	8.25	7.12	4.84	172-025-142R021
	Female	3625FA-ND	12.61	10.88	7.49	172-025-242R021
37	Male	3637MA-ND	11.36	9.80	6.67	172-037-142R021
	Female	3637FA-ND	13.97	12.04	8.19	172-037-242R021
50	Male	3650MA-ND	14.54	12.54	8.53	172-050-142R021
	Female	3650FA-ND	18.66	16.09	10.95	172-050-242R021
Yellow Chromate						
9	Male	6609M-ND	3.77	3.25	2.21	172-009-141-021
	Female	6609F-ND	4.44	3.83	2.61	172-009-241-021
15	Male	6615M-ND	5.86	5.05	3.44	172-015-141-021
	Female	6615F-ND	6.35	5.48	3.73	172-015-241-021
25	Male	6625M-ND	7.48	6.45	4.39	172-025-141-021
37	Male	6637M-ND	10.38	8.95	6.09	172-037-141-021
	Female	6637F-ND	13.08	11.28	7.67	172-037-241-021
50	Male	6650M-ND	13.49	11.63	7.91	172-050-141-021
	Female	6650F-ND	17.08	14.73	10.02	172-050-241-021
Wire Wrap with .250" Clinch Nuts, Mating Side						
Tin Shell						
9	Male	4609M-ND	3.94	3.40	2.32	172-009-142-031
	Female	4609F-ND	4.58	3.95	2.69	172-009-242-031
15	Male	4615M-ND	5.60	4.83	3.29	172-015-142-031
	Female	4615F-ND	6.41	5.53	3.76	172-015-242-031
25	Male	4625M-ND	7.69	6.63	4.51	172-025-142-031
	Female	4625F-ND	11.83	10.20	6.94	172-025-242-031
37	Male	4637M-ND	10.61	9.15	6.23	172-037-142-031
	Female	4637F-ND	13.08	11.28	7.67	172-037-242-031
50	Male	4650M-ND	13.63	11.75	7.99	172-050-142-031
	Female	4650F-ND	17.52	15.10	10.27	172-050-242-031
Tin Shell — RoHS Compliant						
9	Male	4609MA-ND	4.29	3.71	2.52	172-009-142R031
	Female	4609FA-ND	4.97	4.29	2.92	172-009-242R031
15	Male	4615MA-ND	6.02	5.19	3.53	172-015-142R031
	Female	4615FA-ND	6.88	5.94	4.04	172-015-242R031
25	Male	4625MA-ND	8.25	7.12	4.84	172-025-142R031
	Female	4625FA-ND	12.61	10.88	7.40	172-025-242R031
37	Male	4637MA-ND	11.36	9.80	6.67	172-037-142R031
	Female	4637FA-ND	13.97	12.04	8.19	172-037-242R031
50	Male	4650MA-ND	14.54	12.54	8.53	172-050-142R031
	Female	4650FA-ND	18.66	16.09	10.95	172-050-242R031
Yellow Chromate						
9	Male	7609M-ND	3.77	3.25	2.21	172-009-141-031
	Female	7609F-ND	4.44	3.83	2.61	172-009-241-031
15	Male	7615M-ND	5.86	5.05	3.44	172-015-141-031
	Female	7615F-ND	6.35	5.48	3.73	172-015-241-031
25	Male	7625M-ND	7.48	6.45	4.39	172-025-141-031
	Female	7625F-ND	9.22	7.95	5.41	172-025-241-031
37	Male	7637M-ND	10.38	8.95	6.09	172-037-141-031
	Female	7637F-ND	13.08	11.28	7.67	172-037-241-031
50	Male	7650M-ND	13.49	11.63	7.91	172-050-141-031
Wire Wrap with .225" Board Side and .197" Mating Side Clinch Nuts						
Tin Shell						
9	Male	4909M-ND	4.26	3.68	2.50	172-009-142-911
	Female	4909F-ND	4.84	4.18	2.84	172-009-242-911
15	Male	4915M-ND	5.74	4.95	3.37	172-015-142-911
	Female	4915F-ND	6.50	5.60	3.81	172-015-242-911
25	Male	4925M-ND	7.66	6.60	4.49	172-025-142-911
	Female	4925F-ND	11.43	9.85	6.70	172-025-242-911
37	Male	4937M-ND	10.32	8.90	6.06	172-037-142-911
	Female	4937F-ND	12.56	10.83	7.37	172-037-242-911
50	Male	4950M-ND	13.05	11.25	7.65	172-050-142-911
	Female	4950F-ND	16.59	14.30	9.73	172-050-242-911
Tin Shell — RoHS Compliant						
9	Male	4909MA-ND	4.97	4.29	2.92	172-009-142R911
	Female	4909FA-ND	5.65	4.87	3.31	172-009-242R911
15	Male	4915MA-ND	6.70	5.78	3.93	172-015-142R911
	Female	4915FA-ND	7.57	6.53	4.45	172-015-242R911
25	Male	4925MA-ND	8.93	7.70	5.24	172-025-142R911
	Female	4925FA-ND	13.32	11.49	7.81	172-025-242R911
37	Male	4937MA-ND	12.04	10.38	7.06	172-037-142R911
	Female	4937FA-ND	14.64	12.63	8.59	172-037-242R911
50	Male	4950MA-ND	15.22	13.12	8.92	172-050-142R911
	Female	4950FA-ND	19.34	16.68	11.34	172-050-242R911
Yellow Chromate						
9	Male	3909M-ND	4.55	3.93	2.67	172-009-141-911
15	Male	3915M-ND	6.18	5.33	3.63	172-015-141-911
	Female	3915F-ND	6.99	6.03	4.10	172-015-241-911
25	Male	3925M-ND	8.27	7.13	4.85	172-025-141-911
	Female	3925F-ND	12.41	10.70	7.28	172-025-241-911
37	Male	3937M-ND	12.18	10.50	7.14	172-037-141-911
	Female	3937F-ND	13.66	11.78	8.01	172-037-241-911
50	Male	3950MN-ND	14.21	12.25	8.33	172-050-141-911
	Female	3950F-ND	18.10	15.60	10.61	172-050-241-911

NorComp D-Sub Backshells

970 Series – Straight/Top Entry

- **Die Cast:** Lightweight zinc. Plating: Nickel over copper or black die cast
- **Metalized Plastic:** High temperature plastic UL 94V-0. Plating: Nickel over copper
- **Plastic:** High temperature plastic UL 94V-2
- **Plastic-RoHS Compliant:** High temperature plastic UL 94V-0, black
- **Hardware:** Steel with nickel or black chromate

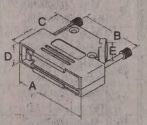


Connector Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.228	.984	1.571	.610	.465
15	1.555	1.312	1.634	.610	.465
25	2.102	1.852	1.913	.610	.465
37	2.744	2.500	2.110	.610	.465

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9	Die Cast	970-09N-ND	5.80	5.00	3.40	970-009-030-121
37	Nickel	970-37N-ND	10.56	9.10	6.19	970-037-030-121
9	Black	970-09BC-ND	7.34	6.33	4.31	970-009-040-011
25	Die	970-25BC-ND	8.44	7.28	4.95	970-025-040-011
37	Cast	970-37BC-ND	11.22	9.68	6.58	970-037-040-011
25	Metalized Plastic	970-25MP-ND	5.86	5.05	3.44	970-025-020-121
		RoHS Compliant				
9	Die Cast Nickel	970-09NE-ND	5.53	4.77	3.25	970-009-030R121
15		970-15NE-ND	6.58	5.67	3.86	970-015-030R121
25		970-25NE-ND	6.58	5.67	3.86	970-025-030R121
37		970-37NE-ND	10.11	8.72	5.93	970-037-030R121
9	Metalized Plastic	970-09MPE-ND	5.16	4.46	3.03	970-009-020R121
15		970-15MPE-ND	5.38	4.64	3.16	970-015-020R121
25		970-25MPE-ND	5.59	4.83	3.28	970-025-020R121
37		970-37MPE-ND	6.21	5.36	3.64	970-037-020R121
9	Black Plastic	970-09BPE-ND	2.52	2.18	1.48	970-009-010R011
15		970-15BPE-ND	2.52	2.18	1.48	970-015-010R011
25		970-25BPE-ND	2.64	2.28	1.56	970-025-010R011
37		970-37BPE-ND	2.73	2.36	1.61	970-037-010R011

971 Series – 45° Entry

- **Die Cast:** Lightweight zinc. Plating: Nickel over copper or black die cast
- **Metalized Plastic:** High temperature plastic UL 94V-0. Plating: Nickel over copper
- **Plastic:** High temperature plastic UL 94V-2
- **Plastic-RoHS Compliant:** High temperature plastic UL 94V-0, black
- **Hardware:** Steel with nickel or black plating

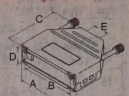


Connector Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.220	.984	1.496	.610	.465
15	1.595	1.312	1.618	.610	.465
25	2.114	1.852	1.646	.610	.465
37	2.748	2.500	1.646	.610	.465

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
25	Nickel	971-25N45-ND	6.90	5.95	4.05	971-025-030-121
37		971-37N45-ND	10.56	9.10	6.19	971-037-030-121
9	Black	971-09CB45-ND	7.34	6.33	4.31	971-009-040-011
25	Die Cast	971-25CB45-ND	8.44	7.28	4.95	971-025-040-011
25	Metalized	971-25MP45-ND	5.86	5.05	3.44	971-025-020-121
37	Plastic	971-37MP45-ND	6.53	5.63	3.83	971-037-020-121
25	Black	971-25BP45-ND	2.76	2.38	1.62	971-025-010-011
37	Plastic	971-37BP45-ND	2.87	2.48	1.69	971-037-010-011
		RoHS Compliant				
9	Nickel	971-09N45E-ND	5.53	4.77	3.25	971-009-030R121
15		971-15N45E-ND	6.58	5.67	3.86	971-015-030R121
25		971-25N45E-ND	6.58	5.67	3.86	971-025-030R121
37		971-37N45E-ND	10.05	8.67	5.90	971-037-030R121
9	Metalized Plastic	971-09MP45E-ND	5.16	4.46	3.03	971-009-020R121
15		971-15MP45E-ND	5.38	4.64	3.16	971-015-020R121
25		971-25MP45E-ND	5.59	4.83	3.28	971-025-020R121
37		971-37MP45E-ND	6.21	5.36	3.64	971-037-020R121
9	Black Plastic	971-09BP45E-ND	2.52	2.18	1.48	971-009-010R011
15		971-15BP45E-ND	2.52	2.18	1.48	971-015-010R011
25		971-25BP45E-ND	2.64	2.28	1.56	971-025-010R011
37		971-37BP45E-ND	2.73	2.36	1.61	971-037-010R011

972 Series – Slim-Line Clam Shell Style

- High temperature ABS plastic UL94V-2

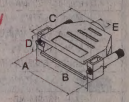


Conn. Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.240	.984	1.339	.591	.453
15	1.575	1.312	1.339	.591	.453
25	2.106	1.852	1.575	.591	.453
37	2.795	2.500	1.575	.591	.453

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
25	Gray Plastic	972-25SG-ND	3.51	3.03	2.06	972-025-01S-031
37	Black Plastic	972-37SB-ND	3.68	3.18	2.16	972-037-01S-011
		RoHS Compliant				
9	Gray Plastic	972-09SGE-ND	2.80	2.42	1.65	972-009-01SR031
15		972-15SGE-ND	2.95	2.55	1.74	972-015-01SR031
25		972-25SGE-ND	3.11	2.68	1.83	972-025-01SR031
37		972-37SGE-ND	3.26	2.81	1.92	972-037-01SR031
9	Black Plastic	972-09SBE-ND	2.80	2.42	1.65	972-009-01SR011
15		972-15SBE-ND	2.95	2.55	1.74	972-015-01SR011
25		972-25SBE-ND	3.11	2.68	1.83	972-025-01SR011
37		972-37SBE-ND	3.26	2.81	1.92	972-037-01SR011
9	Red Plastic	972-09SR-ND	2.64	2.28	1.55	972-009-01SR061
15		972-15SR-ND	2.76	2.38	1.62	972-015-01SR061
25		972-25SR-ND	2.90	2.50	1.70	972-025-01SR061
37		972-37SR-ND	3.10	2.68	1.82	972-037-01SR061
9	Yellow Plastic	972-09SY-ND	2.64	2.28	1.55	972-009-01SR081
15		972-15SY-ND	2.76	2.38	1.62	972-015-01SR081
25		972-25SY-ND	2.90	2.50	1.70	972-025-01SR081
37		972-37SY-ND	3.10	2.68	1.82	972-037-01SR081

973 Series – Straight/Top Entry

- **Metalized Plastic:** High temperature plastic UL 94V-0. Plating: Nickel over copper
- **Plastic:** High temperature plastic UL 94V-2
- **Plastic-RoHS Compliant:** High temperature plastic UL 94V-0, black
- **Hardware:** Steel, nickel plated

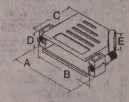


Connector Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.240	.984	1.221	.598	.335
15	1.575	1.312	1.378	.598	.335
25	2.106	1.852	1.496	.598	.433
37	2.756	2.500	1.575	.598	.433

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9	Metalized Plastic	973-09MP-ND	7.25	6.25	4.25	973-009-020-121
37		973-37MP-ND	10.41	8.98	6.11	973-037-020-121
25	Black Plastic	973-25BP-ND	4.23	3.65	2.49	973-025-010-011
37		973-37BP-ND	5.13	4.43	3.01	973-037-010-011
		RoHS Compliant				
9	Metalized Plastic	973-09MPE-ND	6.92	5.97	4.06	973-009-020R121
15		973-15MPE-ND	7.16	6.18	4.20	973-015-020R121
25		973-25MPE-ND	7.35	6.34	4.31	973-025-020R121
37		973-37MPE-ND	9.93	8.56	5.83	973-037-020R121
9	Black Plastic	973-09BPE-ND	3.66	3.16	2.15	973-009-010R011
15		973-15BPE-ND	3.87	3.34	2.28	973-015-010R011
25		973-25BPE-ND	4.06	3.50	2.38	973-025-010R011
37		973-37BPE-ND	4.92	4.24	2.89	973-037-010R011

974 Series – 40° Entry

- **Metalized Plastic:** High temperature plastic UL 94V-0. Plating: Nickel over copper
- **Plastic:** High temperature plastic UL 94V-0 (black)
- **Hardware:** Steel, nickel plated



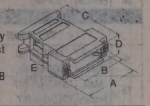
Connector Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.240	.984	1.457	.598	.335
15	1.575	1.312	1.457	.598	.335
25	2.106	1.852	1.614	.598	.433
37	2.756	2.500	1.614	.598	.433

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
37	Metalized Plastic	974-37MP40-ND	10.41	8.98	6.11	974-037-020-121
9	Black Plastic	974-09BP40-ND	3.86	3.33	2.26	974-009-010-011
25		974-25BP40-ND	4.23	3.65	2.49	974-025-010-011
37		974-37BP40-ND	5.13	4.43	3.01	974-037-010-011
		RoHS Compliant				
9	Metalized Plastic	974-09MP40E-ND	6.92	5.97	4.06	974-009-020R121
15		974-15MP40E-ND	7.16	6.18	4.20	974-015-020R121
25		974-25MP40E-ND	7.35	6.34	4.31	974-025-020R121
37		974-37MP40E-ND	9.93	8.56	5.83	974-037-020R121

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9	Black Plastic	974-09BP40E-ND	3.66	3.16	2.15	974-009-010R011
15		974-15BP40E-ND	3.87	3.34	2.28	974-015-010R011
25		974-25BP40E-ND	4.06	3.50	2.38	974-025-010R011
37		974-37BP40E-ND	4.92	4.24	2.89	974-037-010R011

975 Series – Plastic or Metalized

- 3-Way entry allows choice of entry options or use of multiple cable entries
- 4-40 thumbscrews supplied with backshell
- Fully tapped assembly holes allow easy assembly, keeping manufacturing cost down
- Metalized plastic provides up to 60dB shielding



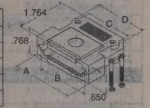
Connector Size	Dimensions (Inch)				
	A	B	C	D	E
9	1.213	.984	1.800	.600	.300
15	1.541	1.312	1.800	.600	.335
25	2.088	1.852	1.800	.600	.375
37	2.735	2.500	1.800	.600	.400

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9†	Metalized Plastic	975-09MPA-ND	6.92	5.97	4.06	975-009-020R121
15		975-15MPA-ND	7.16	6.18	4.20	975-015-020R121
25		975-25MPA-ND	7.35	6.34	4.31	975-025-020R121
37		975-37MPA-ND	9.93	8.56	5.83	975-037-020R121
9†	Black Plastic	975-09BPA-ND	5.81	5.01	3.41	975-009-010R011
15		975-15BPA-ND	5.81	5.01	3.41	975-015-010R011
25		975-25BPA-ND	5.81	5.01	3.41	975-025-010R011
37		975-37BPA-ND	7.90	6.81	4.64	975-037-010R011

† 9 position has top cable entry only

976 Series – Plastic, Flat Ribbon

- ABS high temperature plastic 94HB. Complete with 4-40 mating screws, housing screws, and housing nuts.

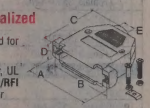


Conn. Size	Dimensions (Inch)				
	A	B	C	D	
9	1.319	.984	.758	.946	
15	1.622	1.312	1.102	1.289	
25	2.157	1.852	1.642	1.874	
37	2.815	2.500	2.283	2.470	

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9	Gray Plastic	976-09RP-ND	1.39	1.20	.82	976-009-010-031
25		976-25RP-ND	1.86	1.60	1.09	976-025-010-031
37		976-37RP-ND	1.97	1.70	1.16	976-037-010-031
		RoHS Compliant				
9	Gray Plastic	976-09RPE-ND	1.55	1.34	.92	976-009-010R031
15		976-15RPE-ND	1.77	1.53	1.04	976-015-010R031
25		976-25RPE-ND	2.05	1.77	1.21	976-025-010R031
37		976-37RPE-ND	2.19	1.89	1.29	976-037-010R031

977 Series – Plastic or Metalized

- Available in both plain plastic and metalized for EMI/RFI suppression • Over 60dB shielding



Materials: • **Shell:** Thermoplastic polyester, UL rated 94V-0 • **Screw locks:** Brass • **EMI/RFI Plating:** Electroplated with nickel over copper

RoHS Compliant Materials: • **Metalized Plastic:** High Temperature, UL 94H-B Plating: Nickel over copper • **Plastic:** High Temperature plastic UL 94H-B (gray) • **Hardware:** Steel, Nickel plated

Connector Size	Dimensions (Inch)					
	A	B	C	D	E	
9	1.213	.984	1.594	.646	.275	
15	1.563	1.312	1.453	.646	.400	
25	2.165	1.852	1.752	.646	.435	
37	2.736	2.500	2.096	.984	.535	
50	2.640	2.406	1.750	.731	.450	

No. of Pins	Type	Digi-Key Part No.	Price Each 1	10	100	NorComp Part No.
9	Shielded	909GM-ND	.75	.65	.45	977-009-020-121
15	Metalized	915GM-ND	.89	.77	.53	977-015-020-121
37	Plastic (for	937GM-ND	2.23	1.93	1.31	977-037-020-121
50	EMI/RFI)	950GM-ND	1.75	1.51	1.03	977-050-020-121
9	Plain Plastic	909GP-ND	.54	.47	.32	977-009-010-031
15		915GP-ND	.67	.58	.40	977-015-010-031
25		925GP-ND	.73	.63	.43	977-025-010-031
37		937GP-ND	1.00	.86	.59	977-037-010-031
50		950GP-ND	1.51	1.30	.89	977-050-010-031

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Modular Connectors and Jacks

Product Facts:

• Meets or exceeds FCC Part 68 rules and regulations; REA PE-76 and UL 1863 Communication Circuit Accessories • Meets 1000 volt dielectric requirement • Designed for direct mounting on pc boards • Designed for ease of soldering and board cleaning • Selectively gold plated contacts for lower cost • Surface mount jacks compatible with vapor phase environment • All jacks are flame retardant polyester, standard color black, unless specified otherwise • Listed by Underwriters Laboratories Inc., File No. E81956 • Certified by Canadian Standards Association File No. LR82669

Electrical Specifications: • Current Rating: 1.5 Amp maximum @ 25°C, derated to 0.2 Amp maximum @ 70°C ambient • Voltage Rating: 150VAC maximum • Dielectric Withstanding Voltage: 1000VAC, RMS, 60 Hz, 1 minute • Insulation Resistance: 500MΩ minimum • Surge Test: to 1000 volts **Mechanical Specifications:** • PC Board Retention: will not dislodge from pc board when subjected to 1 pound (4.4 N) pull before soldering and 10 pounds. (44 N) pull after soldering • Durability: 750 mating cycles **Material and Finish:** • Housing: Thru-hole: Polyester, UL 94V-0 rated Surface mount: Polyphenylene Sulfide, UL 94V-0 rated • Contact: .014 (0.36) thick phosphor bronze; plated .50µ" gold in contact area and 150µ" tin-lead on solder tails, over .50µ nickel underplate

Fig. 2 Product Facts:

• True mass displacement termination of jacketed cable with tinsel, solid or stranded conductors • Available for round or flat-oval cable • One piece construction with preloaded contacts • FCC and EIA/TIA Industry standard size and performance • Selectively gold plated terminals • Recognized by Underwriters Laboratories Inc., File No. E81956 • Certified by Canadian Standards Association Certificate No. LR 7189A

Material and Finish: • Housing: Polycarbonate, UL 94V-2 flammability rating • Terminal: .014" (.36mm) thick, phosphor bronze; underplated with 100µ" nickel and plated with 50µ" gold in contact region and gold flash on remainder of terminal. **Electrical Specifications:** • 150VAC maximum at 1.5A @ 25°C, derated to .2A @ 70°C. • Dielectric Withstanding Voltage: 1000VAC • Insulation Resistance: 500MΩ **Mechanical Specifications:** • Cable-to-Plug Tensile Strength: 17 pounds (76N) minimum • Durability: 750 mating cycles

External Strain Relief:

• Positively engaged to the plug housing • Improved shield contact path redundant contact points • 360° wrap on cable jacket and shield foil, extraordinary strain relief • Improved shield coverage at housing

Fig. 9 Product Facts:

• Performance exceeds Near End Crosstalk (NEXT) requirements of -40dB at 100 MHz per EIA/TIA 568A • Available in single port or multiple port configurations, shielded or unshielded • Eliminate need for customized printed circuit board compensation to achieve high performance

Material and Finish: • Housing: Polyester, black UL 94V-0 rated • Contact: Phosphor bronze, gold over nickel plated in contact area, tin-lead over nickel in solder area • Shield: Brass, bright tin-lead plated **Specifications:** • Current: 1.5 Amp maximum @ 25°C • Voltage: 150VAC maximum • Operating Temperature: -40°C – 70°C • Mating/Unmating Forces: 5 pounds maximum

Fig.	Description	Positions Contacts	Dimensions - Inch (mm) A	B	C	D	E	Digi-Key Part No.	Price Each 1	25	AMP Part No.
1	Plug, Handset, Stranded, Flat Oval	4-4	.300 (7.62)	.525 (13.33)	.260 (6.60)	—	—	A9081-ND§	.26	.21	5-641334-3
	Plug, Stranded, Flat Oval	6-4	.380 (9.65)	.525 (13.33)	.260 (6.60)	—	—	A9092-ND§	.26	.21	5-641335-3
	Plug, Solid, Flat Oval	6-4	.380 (9.65)	.525 (13.33)	.260 (6.60)	—	—	A9116-ND§	.41	.34	5-556384-3
	Plug, Stranded, Flat Oval	6-6	.380 (9.65)	.525 (13.33)	.260 (6.60)	—	—	A9093-ND§	.31	.25	5-641337-3
	Plug, Solid, Flat Oval	6-6	.380 (9.65)	.525 (13.33)	.325 (8.25)	—	—	A9118-ND§	.42	.34	5-555042-3
	Plug, Stranded, Round	6-6	.380 (9.65)	.525 (13.33)	.325 (8.25)	—	—	A9117-ND§	.39	.32	5-554710-3
	Plug, Small Solid, Flat Oval	6-6	.380 (9.65)	.525 (13.33)	.325 (8.25)	—	—	A9119-ND§	.63	.51	5-557970-3
	Plug, Long Body, Solid, Flat Oval	6-6	.380 (9.65)	.900 (22.86)	.325 (8.25)	—	—	A9120-ND§	.85	.68	5-555426-3
	Plug, Stranded, Flat Oval, Long	6-6	.380 (9.65)	.900 (22.86)	.325 (8.25)	—	—	A9121-ND§	.79	.64	5-555176-3
	Plug, Stranded, Round Long	6-6	.380 (9.65)	.900 (22.86)	.325 (8.25)	—	—	A9122-ND§	.79	.64	5-555177-3
	Plug, Stranded, Shielded, Round Long	6-6	.380 (9.65)	.900 (22.86)	.325 (8.25)	—	—	A9128-ND§	2.01	1.62	5-555175-3
	Plug, Shielded, Long Body, Oval	6-6	.380 (9.65)	.900 (22.86)	.325 (8.25)	—	—	A9027-ND§	1.57	1.26	5-555174-2
	Plug, Stranded, Flat Oval	6-2	.384 (9.76)	.530 (13.47)	.264 (6.71)	—	—	A24921-ND§	.29	.24	5-641333-2
	Plug, Solid, Flat Oval, Small	6-4	.384 (9.76)	.530 (13.47)	.264 (6.71)	—	—	A24922-ND†§	.81	.65	5-557965-2
2	Plug, Stranded, Flat Oval	8-8	.460 (11.68)	.845 (21.46)	.312 (7.92)	—	—	A9094-ND§	.59	.48	5-554739-3
	Plug, Keyed, Stranded, Flat Oval	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9058-ND§	4.15	3.32	5-554743-3
	Plug, Solid, Flat Oval	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9126-ND§	.63	.51	5-554720-3
	Plug, Solid, Round	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9123-ND§	.63	.51	5-557315-3
	Plug, Stranded, Round	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9125-ND§	.59	.48	5-554169-3
	Plug, Stranded, Small, Round, Cable	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A24923-ND§	.41	.33	5-557961-2
	Plug, Solid, Round, Keyed	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9127-ND§	.59	.48	5-554170-3
	Plug, High Performance, Stranded, Round	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9059-ND§	.87	.70	5-558530-3
	Plug, Stranded, Shielded, High Perform., Round	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9111-ND§	2.11	1.69	5-569552-3
	Plug, Solid, Shielded, High Performance, Round	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9112-ND§	2.08	1.67	5-569550-3
	Plug, Solid, Unshielded, High Performance	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A24920-ND§	.94	.75	5-569278-3
	Plug, Solid, Flat Oval, Small	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A24924-ND†§	.63	.51	5-557972-2
	Plug, Stranded, Flat Oval, Small	8-8	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A24925-ND†§	.65	.53	5-557973-3
	Plug, Solid Keyed, Flat Oval	8-8	.484 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A24926-ND§	2.58	2.07	5-555417-2
	Plug, Stranded, Shielded, Flat Oval	8-8	.464 (11.79)	.915 (23.24)	.330 (8.38)	—	—	A9113-ND§	1.85	1.48	5-569542-3
	Plug, Stranded, Shielded, Round Long	8-8	.464 (11.79)	.915 (23.24)	.330 (8.38)	—	—	A9114-ND§	1.85	1.48	5-569532-3
	Plug, Solid, Shielded, Round	8-8	.464 (11.79)	.915 (23.24)	.330 (8.38)	—	—	A9115-ND§	2.01	1.61	5-569530-3
	Plug, Stranded, Round	10-10	.464 (11.79)	.895 (22.73)	.314 (7.98)	—	—	A9129-ND§	1.75	1.41	5-557963-3
	External Strain Relief Modular Connector	—	—	—	—	—	—	A9130-ND§	—	.79	558527-1
	Crimp Tool Assembly, External Strain Relief	—	—	—	—	—	—	A9800-ND	189.68	—	224928-1
	Die Set, Strain Relief Modular, use with A9996	—	—	—	—	—	—	A9801-ND	149.24	—	224928-2
	Pro-Crimper II Hand Tool Without Die	—	—	—	—	—	—	A9996-ND	66.00	—	354940-1
3	Plug With Offset Latch	6-6	.382 (9.70)	.535 (13.59)	.264 (6.71)	—	—	A9057-ND§	.88	.71	5-555237-2
	Plug, Round, Stranded, Offset	6-6	.382 (9.70)	.535 (13.59)	.264 (6.71)	—	—	A24918-ND§	.88	.71	5-555238-2
	Plug, Flat Oval, Solid, Offset	6-6	.382 (9.70)	.535 (13.59)	.264 (6.71)	—	—	A24919-ND§	.88	.71	5-555236-2
4	Jack, Side Entry With Panel Stops	4-4	.540 (13.72)	.810 (20.57)	.630 (16.00)	.440 (11.18)	.300 (7.62)	A31403-ND§	1.07	.93	5520249-2
	Jack, Side Entry With Panel Stops	6-2	.620 (15.75)	.815 (20.70)	.630 (16.00)	.520 (13.21)	.400 (10.16)	A31404-ND§	.82	.71	5520250-1
	Jack, Side Entry With Panel Stops	6-4	.620 (15.75)	.815 (20.70)	.630 (16.00)	.520 (13.21)	.400 (10.16)	A31405-ND§	.69	.59	5520250-2
	Jack, Side Entry With Panel Stops	6-6	.620 (15.75)	.815 (20.70)	.630 (16.00)	.520 (13.21)	.400 (10.16)	A31406-ND§	.71	.61	5520250-3
	Jack, Side Entry With Panel Stops, Offset	6-6	.625 (15.88)	.820 (20.83)	.635 (16.13)	.525 (13.34)	.400 (10.16)	A32489-ND	.90	.73	555003-1
	Jack, Side Entry With Panel Stops, Offset	6-6	.625 (15.88)	.820 (20.83)	.635 (16.13)	.525 (13.34)	.400 (10.16)	A32488-ND§	.84	.68	5555003-1
	Jack, Side Entry With Panel Stops	8-8	.700 (17.78)	.810 (20.57)	.630 (16.00)	.600 (15.24)	.450 (11.43)	A31407-ND§	.80	.69	5520251-4

† Small conductor products are for .029 - .034 (.737 - .864) OD conductors. Small conductor product housings are tinted blue to differentiate from standard product. § *RoHS Compliant*

(Continued)

Fig. 1

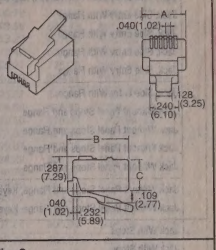
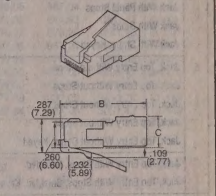
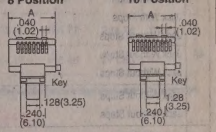


Fig. 2



8 Position **10 Position**



External Strain Relief

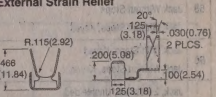


Fig. 3

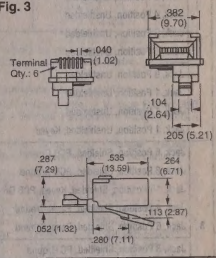


Fig. 4 – Side Entry

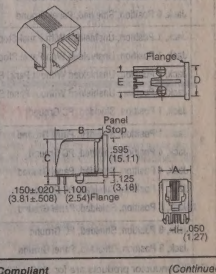


Fig.	Description	Positions Contacts	Dimensions - Inch (mm) A	B	C	D	E	Digi-Key Part No.	Price Each 1	25	AMP Part No.
4	Jack, Side Entry With Panel Stops, Keyed	8-8	.700 (17.78)	.810 (20.57)	.630 (16.00)	.600 (15.24)	.450 (11.43)	A31408-NDS	.89	.77	5520252-4
	Jack, Side Entry With Flange	4-4	.570 (14.48)	.810 (20.57)	.680 (17.27)	.440 (11.18)	.300 (7.62)	A31399-NDS	1.07	.93	5520241-2
	Jack, Side Entry With Flange	6-4	.650 (16.51)	.810 (20.57)	.680 (17.27)	.520 (13.21)	.400 (10.16)	A31400-NDS	2.87	2.48	5520242-2
	Jack, Side Entry With Flange	6-6	.650 (16.51)	.810 (20.57)	.680 (17.27)	.520 (13.21)	.400 (10.16)	A31401-NDS	.84	.73	5520242-3
	Jack, Side Entry With Flange	8-8	.730 (18.54)	.810 (20.57)	.680 (17.27)	.600 (15.24)	.450 (11.43)	A9080-ND	3.12	2.69	520243-4
	Jack, Side Entry With Flange	8-8	.730 (18.54)	.810 (20.57)	.680 (17.27)	.600 (15.24)	.450 (11.43)	A31402-NDS	2.91	2.51	5520243-4
	Jack Without Panel Stops and Flange	4-4	.440 (11.18)	.810 (20.57)	.630 (16.00)	—	.300 (7.62)	A31427-NDS	.84	.73	5555980-1
	Jack Without Panel Stops and Flange	6-4	.520 (13.21)	.810 (20.57)	.630 (16.00)	—	.400 (10.16)	A31426-NDS	.66	.57	5555979-1
	Jack Without Panel Stops and Flange	6-6	.520 (13.21)	.815 (20.70)	.630 (16.00)	—	.400 (10.16)	A31417-NDS	.90	.78	5520470-3
	Jack Without Panel Stops and Flange	8-8	.600 (15.24)	.810 (20.57)	.630 (16.00)	—	.450 (11.43)	A31416-NDS	.95	.82	5520426-4
	Jack Without Panel Stops and Flange, Keyed	8-8	.600 (15.24)	.810 (20.57)	.630 (16.00)	—	.450 (11.43)	A9051-ND	1.97	1.70	554517-1
	Jack Without Panel Stops and Flange, Keyed	8-8	.600 (15.24)	.810 (20.57)	.630 (16.00)	—	.450 (11.43)	A31418-NDS	1.84	1.59	5554517-1
5	Jack, Top Entry Without Stops	4-4	.455 (11.43)	.630 (16.00)	.650 (16.51)	—	.300 (7.62)	A31431-NDS	.79	.68	5558872-1
	Jack With Stops	6-4	.530 (13.46)	.625 (15.88)	.645 (16.38)	.530 (13.46)	—	A31410-NDS	.65	.57	5520258-2
	Jack With Panel Stops	6-6	.630 (16.00)	.625 (15.88)	.645 (16.38)	.530 (13.46)	—	A31411-NDS	.67	.58	5520258-3
	Jack With Stops	8-8	.710 (18.03)	.625 (15.88)	.645 (16.38)	.610 (15.49)	—	A31412-NDS	.69	.60	5520259-4
	Jack With Stops, Keyed	8-8	.710 (18.03)	.625 (15.88)	.645 (16.38)	.610 (15.49)	—	A31413-NDS	.89	.77	5520260-4
	Jack, Top Entry Without Stops	4-4	.455 (11.43)	.630 (16.00)	.650 (16.51)	—	.300 (7.62)	A31431-NDS	.79	.68	5558872-1
	Jack, Top Entry Without Stops	6-4	.530 (13.46)	.625 (15.88)	.645 (16.38)	—	.400 (10.16)	A31414-NDS	1.50	1.29	5520425-2
	Jack, Top Entry Without Stops	6-6	.530 (13.46)	.625 (15.88)	.645 (16.38)	—	.400 (10.16)	A31415-NDS	.81	.70	5520425-3
	Jack, Top Entry Without Stops	8-8	.615 (15.62)	.630 (16.00)	.645 (16.38)	—	.450 (11.43)	A31428-NDS	.69	.60	5556416-1
	Jack, Top Entry Without Stops, Keyed	8-8	.615 (15.62)	.630 (16.00)	.645 (16.38)	—	.450 (11.43)	A31425-NDS	1.21	1.05	5555799-1
	Jack, Top Entry With Stops, Shielded	8-8	.710 (18.03)	.625 (15.88)	.645 (16.38)	.610 (15.49)	.450 (11.43)	A31430-NDS	1.35	1.17	5557969-1
	Jack, Top Entry With Stops, Shielded, Keyed	8-8	.715 (18.17)	.660 (16.77)	.660 (16.77)	.650 (16.51)	.450 (11.43)	A31429-NDS	1.42	1.22	5557730-1
6A	Jack With Stops	6-6	—	—	—	—	—	A31420-NDS	.89	.77	5555163-1
	Jack With Stops	6-4	—	—	—	—	—	A31421-NDS	1.48	1.28	5555163-2
	Jack Without Stops	6-6	—	—	—	—	—	A31422-NDS	.71	.62	5555165-1
	Jack Without Stops	6-4	—	—	—	—	—	A31423-NDS	.69	.60	5555165-2
	Jack Without Stops	6-2	—	—	—	—	—	A24907-ND	2.02	1.74	555165-5
	Jack Without Stops	6-2	—	—	—	—	—	A31443-NDS	1.89	1.63	5555165-5
	Jack Without Stops	6-6	—	—	—	—	—	A31476-NDS	1.06	.91	5569026-1
6B	Jack With Stops	8-8	—	—	—	—	—	A31419-NDS	.95	.82	5555162-1
	Jack Without Stops	8-8	—	—	—	—	—	A31442-NDS	.77	.67	5555164-1
	Jack Without Stops, Keyed	8-8	—	—	—	—	—	A31477-NDS	1.14	.99	5569118-1
6C	Jack With Stops, Keyed	8-8	—	—	—	—	—	A31424-NDS	.77	.67	5555166-1
	Jack Without Stops, Keyed	8-8	—	—	—	—	—	A31444-NDS	.77	.67	5555167-1
7	Jack, 2 Position, Unshielded	8-8	1.00 (25.40)	1.200 (30.48)	—	—	—	A31449-NDS	2.25	1.94	5557560-1
	Jack, 3 Position, Unshielded	8-8	1.550 (39.37)	1.750 (44.45)	—	—	—	A31450-NDS	12.25	10.54	5557561-1
	Jack, 4 Position, Unshielded	8-8	2.100 (53.34)	2.300 (58.42)	—	—	—	A31451-NDS	4.38	3.77	5557562-1
	Jack, 5 Position, Unshielded	8-8	2.650 (67.31)	2.850 (72.39)	—	—	—	A31452-NDS	5.63	4.84	5557563-1
	Jack, 6 Position, Unshielded	8-8	3.200 (81.28)	3.400 (86.36)	—	—	—	A31453-NDS	6.60	5.68	5557564-1
	Jack, 8 Position, Unshielded	8-8	4.300 (109.22)	4.500 (114.30)	—	—	—	A31454-NDS	8.90	7.66	5557566-1
	Jack, 1 Position, Unshielded	8-8	.450 (11.43)	.595 (15.11)	—	—	—	A31457-NDS	1.40	1.21	5557785-1
	Jack, 1 Position, Unshielded	10-10	.450 (11.43)	.595 (15.11)	—	—	—	A31459-NDS	2.40	2.07	5558065-1
	Jack, 1 Position, Unshielded, Keyed	10-10	.450 (11.43)	.595 (15.11)	—	—	—	A31460-NDS	3.45	2.98	5558066-1
8	Jack, 6 Position, Shielded, PCB Ground	8-8	3.200 (81.28)	3.430 (87.12)	.537 (13.64)	—	—	A9022-ND	13.83	11.06	557572-1
	Jack, 6 Position, Shielded, PCB Ground	8-8	3.200 (81.28)	3.430 (87.12)	.537 (13.64)	—	—	A31455-NDS	12.90	11.10	5557572-1
	Jack, 10 Position, Shielded, Keyed, PCB Ground	8-8	.450 (11.43)	.625(15.88)	.537 (13.64)	—	—	A31462-NDS	6.05	4.85	5558068-1
	Jack, 4 Position, Shielded, Panel Ground	8-8	2.10 (53.34)	2.33 (59.18)	.537 (13.64)	—	—	A9098-ND	23.00	18.40	558524-1
	Jack, 6 Position, Shielded, Panel Ground	8-8	3.20 (81.28)	3.43 (87.12)	.537 (13.64)	—	—	A9101-ND	15.40	12.32	558525-1
9	Jack, 8 Position, Shielded, PC Ground	8-8	4.30 (109.22)	4.53 (115.06)	.537 (13.64)	—	—	A9103-ND	16.10	12.88	558505-1
	Jack, 1 Position, Shielded, PCB Ground	10-10	.450 (11.43)	.625(15.88)	.537 (13.64)	—	—	A31461-NDS	3.83	3.07	5558067-1
	Jack, 1 Position, Shielded, Panel Ground	10-10	.450 (11.43)	.625(15.88)	.537 (13.64)	—	—	A31463-NDS	4.78	3.83	5558070-1
	Jack, 6 Position, Shielded, Panel Ground	8-8	3.200 (81.28)	3.430 (87.12)	.537 (13.64)	—	—	A31456-NDS	7.70	6.63	5557572-3
	Jack, 1 Position, Unshielded With Panel Stops	8-8	.450 (11.43)	.595 (15.11)	.527 (13.39)	—	—	A9086-ND	4.85	4.18	558343-1
	Jack, 1 Position, Unshielded With Panel Stops	8-8	.625 (15.88)	.840 (21.34)	.537 (13.64)	—	—	A31467-NDS	4.55	3.92	5558343-1
	Jack, 1 Position, Unshielded Without Panel Stops	8-8	.625 (15.88)	.840 (21.34)	.537 (13.64)	—	—	A31465-NDS	2.10	1.81	5558341-1
	Jack, 6 Position, Unshielded Without Panel Stops	8-8	3.40 (86.36)	.810 (20.57)	.527 (13.39)	—	—	A31469-NDS	17.55	15.10	558501-1
	Jack, 1 Position, Shielded, PC Ground	8-8	.625 (15.875)	.840 (21.34)	.537 (13.64)	—	—	A31466-NDS	2.65	2.13	5558342-1
	Jack, 1 Position, Shielded, Panel Ground	8-8	.625 (15.875)	.840 (21.34)	.537 (13.64)	—	—	A31468-NDS	3.23	2.58	5558344-1
	Jack, 4 Position, Shielded, PC Ground	8-8	2.33 (59.18)	.840 (21.34)	.537 (13.64)	—	—	A31470-NDS	12.50	10.00	5558503-1
	Jack, 4 Position, Shielded, Panel Ground	8-8	2.33 (59.18)	.840 (21.34)	.537 (13.64)	—	—	A31473-NDS	18.68	14.94	5558524-1
	Jack, 6 Position, Shielded, PC Ground	8-8	3.43 (87.12)	.840 (21.34)	.537 (13.64)	—	—	A31471-NDS	27.95	22.36	5558504-1
	Jack, 6 Position, Shielded, Panel Ground	8-8	3.40 (86.36)	.810 (20.57)	.527 (13.39)	—	—	A31474-NDS	14.38	11.50	5558525-1
	Jack, 8 Position, Shielded, PC Ground	8-8	4.53 (115.06)	.840 (21.34)	.537 (13.64)	—	—	A31472-NDS	15.08	12.06	5558505-1
	Jack, 8 Position, Shielded, Panel Ground	8-8	4.53 (115.06)	.840 (21.34)	.537 (13.64)	—	—	A31475-NDS	28.43	22.74	5558526-1

Fig. 5 – Top Entry

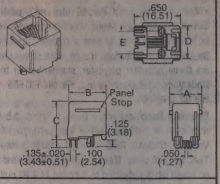
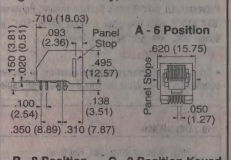


Fig. 6 – Side Entry, Low Profile



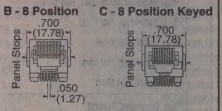


Fig. 7

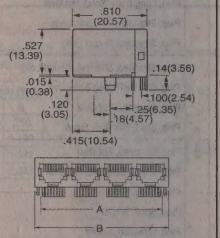


Fig. 8

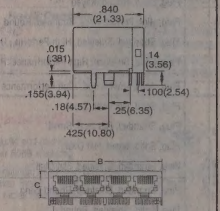
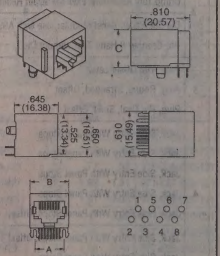


Fig. 9 – Side Entry with Panel Stops



† Small conductor products are for .029 - .034 (.737 - .864) OD conductors. Small conductor product housings are tinted blue to differentiate from standard product. § *RoHS Compliant*

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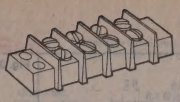
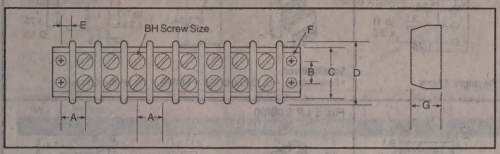
CINCH Waldom ELECTRONICS



Barrier Blocks

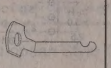


Terminal Spacing	Dimensions – Inch (mm)							BH Screw Size
	A	B	C	D	E	F	G	
.375 (9.52)	.375 (9.52)	.313 (7.95)	.688 (17.48)	.875 (22.23)	.141 (3.58)	.160 (4.06)	.406 (10.31)	5-40x3/16
.438 (11.13)	.438 (11.13)	.422 (10.72)	.875 (22.23)	1.125 (28.58)	.156 (3.96)	.175/.180 (4.44/4.57)	.500 (12.70)	6-32x1/4
.563 (14.30)	.563 (14.30)	.500 (12.70)	1.062 (26.97)	1.312 (33.32)	.203 (5.16)	.209 (5.31)	.625 (15.88)	8-32x5/16

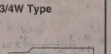
Features:
• Interposing barriers between terminals • Can be equipped with binder head screws only, or with binder head screws, 3/4W and Y solder terminals • UL recognized

Performance Data:
Insulation Material: Molded monoblock, general purpose phenolic
Eyelet Material: Brass
Eyelet Plating: Nickel
Screw Material: Steel or brass
Screw Plating: Nickel over copper flash
Solder Terminal Material: Brass
Solder Terminal Plating: Tin
Operating Temperature: -55°F – 300°F (-48°C – 149°C)
Maximum Wire Size: .375" (9.53mm) - #16; .438" (11.13mm) - #15; .563" (14.30mm) - #10
Voltage Rating: .375" and .438" (9.53mm and 11.13mm) - 1100VAC rms maximum; .563" (14.30mm) - 1600VAC rms maximum
Current Rating: .375" (9.53mm) – 15A maximum; .438" (11.13mm) - 20A maximum; .563" (14.30mm) - 30A maximum
Max. Watts per Terminal: .375" (9.53mm) – 3750; .438" (11.13mm) – 5000; .563" (14.30mm) – 7500

Y Type



3/4W Type

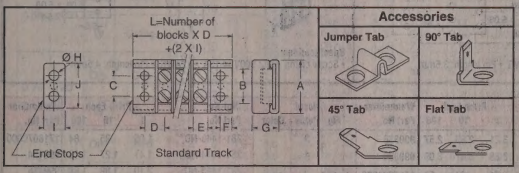


Terminal Spacing	No. of Contacts	Digi-Key Part No.	Pricing 1	25	50	100	250	500	Cinch Part No.
.375" (9.53 mm)	2	CBB102-ND	1.73	32.90	59.85	108.16	256.87	479.50	2-140
	3	CBB103-ND	2.10	39.88	72.54	131.10	311.36	581.21	3-140
	4	CBB104-ND	2.23	42.39	77.12	139.38	331.03	617.92	4-140
	5	CBB105-ND	2.53	48.01	87.34	157.84	374.86	699.75	5-140
	6	CBB106-ND	3.04	57.77	105.09	189.92	451.07	841.99	6-140
	7	CBB107-ND	3.21	61.07	111.10	200.79	476.88	890.17	7-140
	8	CBB108-ND	3.65	69.47	126.38	228.39	542.43	1012.53	8-140
	9	CBB109-ND	4.05	77.02	140.12	253.23	601.42	1122.65	9-140
	10	CBB110-ND	4.45	84.68	154.06	278.42	661.24	1234.31	10-140
	11	CBB111-ND	4.88	92.85	168.92	305.27	725.02	1353.36	11-140
	12	CBB112-ND	5.45	103.69	188.63	340.90	809.64	1511.33	12-140
.438" (11.13 mm)	2	CBB202-ND	1.66	31.53	57.37	103.67	246.22	459.61	2-141
	3	CBB203-ND	2.55	48.48	88.20	159.39	378.55	706.63	3-141
	4	CBB204-ND	2.55	48.53	88.29	159.56	378.96	707.39	4-141
	5	CBB205-ND	2.84	54.04	98.31	177.68	421.98	787.69	5-141
	6	CBB206-ND	3.19	60.55	110.15	199.07	472.78	882.52	6-141
	7	CBB207-ND	3.81	72.46	131.82	238.22	565.78	1056.12	7-141
	8	CBB208-ND	3.98	75.66	137.64	248.75	590.77	1102.77	8-141
	9	CBB209-ND	4.45	84.68	154.06	278.42	661.24	1234.31	9-141
	10	CBB210-ND	4.53	86.10	156.63	283.07	672.30	1254.95	10-141
	11	CBB211-ND	5.18	98.43	179.06	323.61	768.57	1434.67	11-141
	12	CBB212-ND	5.40	102.58	186.60	337.24	800.94	1495.09	12-141
.563" (14.30 mm)	2	CBB302-ND	2.40	45.54	82.85	149.73	355.61	663.80	2-142
	3	CBB303-ND	2.79	53.05	96.50	174.40	414.19	773.16	3-142
	4	CBB304-ND	3.15	59.81	108.81	196.65	467.04	871.82	4-142
	5	CBB305-ND	4.34	82.59	150.24	271.52	644.85	1203.72	5-142
	6	CBB306-ND	5.92	112.61	204.85	370.22	879.26	1641.29	6-142
	7	CBB307-ND	6.45	122.59	223.02	403.05	957.24	1786.84	7-142
	8	CBB308-ND	7.21	137.12	249.45	450.82	1070.70	1998.63	8-142
	9	CBB309-ND	10.79	205.17	373.25	674.55	1602.05	2990.49	9-142
	10	CBB310-ND	11.42	217.18	395.08	714.00	1695.75	3165.40	10-142
	11	CBB311-ND	12.34	234.63	426.83	771.38	1832.02	3419.76	11-142
	12	CBB312-ND	11.03	209.77	381.60	689.64	1637.90	3057.42	12-142

3/4W and Y Solder Terminals

Series	Type	Digi-Key Part No.	Pricing 1	25	50	100	250	500	Cinch Part No.
.375" (9.53mm)	Y	CBB001-ND	.54	10.34	18.80	33.98	80.71	150.66	Y-140
.438" (11.13mm)	Y	CBB004-ND	.85	16.11	29.30	52.96	125.77	234.78	Y-141
.563" (14.30mm)	Y	CBB007-ND	.98	18.63	33.89	61.25	145.46	271.53	Y-142

tyco Electronics AMP — FLEXI-BLOCK® Terminal Block System



Accessories

Jumper Tab

90° Tab

45° Tab

Flat Tab

Snip It!

Slide It!

Snap It!

Product Specifications: • Blocks and End Stops: Nylon • Track: NORYL EN 265 • FASTON Tab and Jumper Tab: Tin plated brass • Screws: Nickel plated brass Ratings: • 6000 Breakdown voltage, rms line-to-line • 6000 Breakdown voltage, rms line-to-ground • Operating Temperature: 105°C Maximum

Max. Size	Max. Amps	Volts	Wire Range	Dimensions (Inch) A	B	C	D	E	F	G	H	I	J
6	15	300	22-14	1.125	.750	.422	.438	.343	.219	.563	.171	.437	.96
8	30	600	22-10	1.312	.875	.500	.563	.437	.281	.656	.203	.557	1.15

Size	Description	Digi-Key Part No.	Pricing 1	10	AMP Part No.
6	#6 Block Assembly, 100pcs/pkg	A0130-ND	45.94/pkg	—	1-604102-1
8	#8 Block Assembly, 100pcs/pkg	A0131-ND	52.08/pkg	—	1-604152-1
6	Track 36" long, 80 positions	A0132-ND	6.33	56.93	1-601805-1
8	Track 36" long, 60 positions	A0133-ND	7.18	61.71	1-601806-1
6	End Stop, 2 required per assembly	A0134-ND	—	1.28	604111-1
8	End Stop, 2 required per assembly	A0135-ND	—	1.50	604161-1
6, 8	Flat Tab	A0136-ND	—	12.00	601989-1
6, 8	45° Tab	A0137-ND	—	10.46	601989-2
6, 8	90° Tab	A0138-ND	—	7.13	601989-3
6	Jumper Tab	A0139-ND	—	2.20	601985-2
8	Jumper Tab	A0140-ND	—	3.10	604591-1
6	#6 Terminal Block Kit	A0150-ND*	88.58	797.18	601804-8
8	#8 Terminal Block Kit	A0151-ND†	117.78	1059.98	604336-1

* Kit consists of 1 each 100-block assembly, 25 end stops, 2 tracks
† Kit consists of 1 each 100-block assembly, 50 end stops, 8 tracks

HRS HIROSE ELECTRIC CO.,LTD. — HR31 Series Connectors

Fig. 1

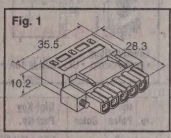


Fig. 2

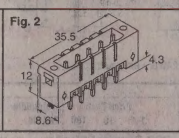
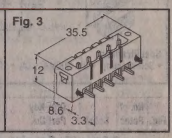


Fig. 3



Features: • Crimped and connected to terminal then fastened simply by inserting into housing • High density mounting • Prevention of connection errors • No need for screws, built-in locking pin secures connector to the board

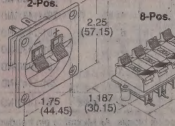
Applications: Power units and communications units for factory automation related devices

Product Specifications: • Current Rating: 12A (2.5mm² wire); 10A (1.5mm² wire) • Voltage Rating: 250 V AC, 350 V DC • Operating Temperature Range: -40°C ~ 100°C • Storage Temperature Range: -40°C ~ 85°C (for a multi-strand conductor)

Materials: • **Plug:** Insulator: PBT, Black finish, UL94V-0; Screw: Steel, Zinc plating • **Header:** insulator: PBT, Black finish, UL94V-0; Nut: Steel, Zinc plating; Board Retention Pin: Phosphor bronze, Tin plating

Fig	Wire Size (Awg)	Contact Plating	Contact Size (mm²)	Digi-Key Part No.	Pricing 1	25	100	Hirose Part No.
1	—	—	—	H4110-ND	3.22	61.88	198.00	HR31-5.08P-5SC
2	—	Tin	—	H4111-ND	4.41	85.50	273.60	HR31-5.08R-5PD
	—	Gold	—	H4112-ND	5.28	102.38	327.60	HR31-5.08R-5PD(01)
3	—	Tin	—	H4113-ND	4.41	85.50	273.60	HR31-5.08R-5PDL
	—	Gold	—	H4114-ND	5.28	102.38	327.60	HR31-5.08R-5PDL(01)
				Crimp Contacts				
—	14-16	Tin	1.04-2.63	H4116-ND	1.04	18.77	61.43	HR31-SC-113
—	14-16	Gold	1.04-2.63	H4115-ND	1.40	25.30	82.80	HR31-SC-111
—	18-24	Tin	0.2-1.65	H4118-ND	1.41	25.58	83.70	HR31-SC-123
—	18-24	Gold	0.2-1.65	H4117-ND	1.40	25.30	82.80	HR31-SC-121
Contact Extraction Tool				H9916-ND	6.09	—	—	HR31-SC-TP
Crimp Tool				H9917-ND	106.40	—	—	HR31-TC-01

GC ELECTRONICS — Spring Push Terminals



These terminals have spring loaded posts for easy connection with Red and Black color codes. Designed for various audio applications such as surround sound and speaker connections, amplifiers and more. Maximum allowed wire size 14 AWG.

GC399-ND 2 Pos. for panel mounting to speakers, mounts in 2" (50.80mm) hole $1.60

GC400-ND 4 Pos. for mounting directly to chassis or panels $1.84

GC401-ND 8 Pos. with right angle PCB terminals, with Mounting Ears $2.79

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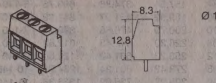
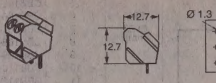
A

Fig. 1 LM 3.5/90



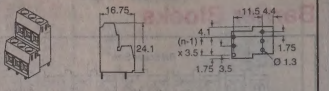
Specifications:
• Screw clamp • UL: 300V @ 10A • 14AWG • Pin length: 4.5mm

Fig. 2 LM 3.5/135



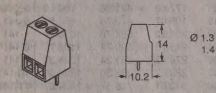
Specifications:
• Screw clamp • UL: 300V @ 10A • 14AWG • Pin length: 4.5mm

Fig. 3 LM2N 3.5/90



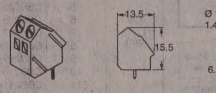
Specifications:
• Screw clamp • UL: 300V @ 10A • 14AWG • Pin length: 4.5mm

Fig. 4 LM 5.00/90



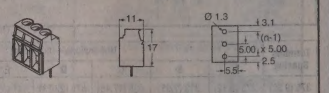
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 5 LM 5.00/135



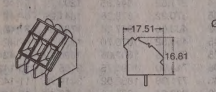
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 6 LP 5.00/90



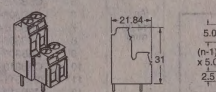
Specifications:
• Screw clamp • UL: 300V @ 15A • 12AWG • Pin length: 4.5mm

Fig. 7 LP 5.00/135



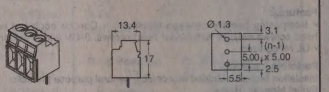
Specifications:
• Screw clamp • UL: 300V @ 15A • 12AWG • Pin length: 4.5mm

Fig. 8 LP 2N/5.00



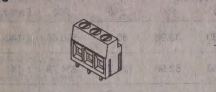
Specifications:
• Screw clamp • UL: 300V @ 15A • 12AWG • Pin length: 4.5mm

Fig. 9 LPP 5.00/90



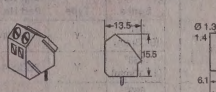
Specifications:
• Screw clamp • UL: 300V @ 15A • 12AWG • Pin length: 4.5mm • Test point

Fig. 10 LM 5.08/90



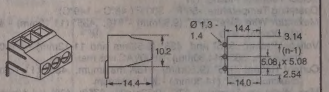
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 11 LM 5.08/135



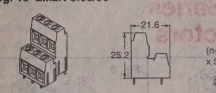
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 12 LM 5.08/180



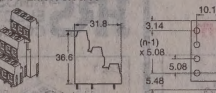
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 13 LM2N 5.08/90



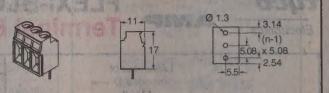
Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 14 LM3R 5.08/90



Specifications:
• Screw clamp • UL: 300V @ 10A • 12AWG • Pin length: 3.5mm

Fig. 15 LP 5.08/90



Specifications:
• Screw clamp • UL: 300V @ 12A • 12AWG • Pin length: 4.5mm

Fig.	No. of Poles	Color	Digi-Key Part No.	Price Each 1	10	100	Weidmüller Part No.
			3.5mm Pin Spacing – PCB Terminal Blocks				
	2		281-1400-ND	.80	.72	.64	1699670000
	3		281-1401-ND	1.20	1.08	.96	1699680000
	4		281-1402-ND	1.68	1.52	1.35	996770
1	6	Black	281-1403-ND	2.51	2.26	2.01	996772
	8		281-1404-ND	3.33	3.00	2.67	996774
	10		281-1405-ND	4.19	3.77	3.35	996776
	12		281-1406-ND	5.01	4.51	4.01	996778
	2		281-1407-ND	.95	.86	.76	1715010000
	3		281-1408-ND	1.41	1.27	1.13	1715050000
	4		281-1409-ND	1.88	1.69	1.50	999568
2	6	Black	281-1410-ND	2.79	2.52	2.24	999570
	8		281-1411-ND	3.75	3.38	3.00	999572
	10		281-1412-ND	4.67	4.20	3.74	999574
	12		281-1413-ND	5.61	5.05	4.49	999576
	4		281-1670-ND	2.51	2.26	2.01	1720000000
	6		281-1671-ND	3.77	3.39	3.02	1720010000
	8		281-1672-ND	5.03	4.53	4.02	1720020000
3	10	Black	281-1673-ND	6.27	5.65	5.02	1720030000
	12		281-1674-ND	7.52	6.77	6.02	1720040000
	16		281-1675-ND	10.04	9.04	8.03	1720060000
	20		281-1676-ND	12.54	11.29	10.04	1720080000
	24		281-1677-ND	15.06	13.56	12.05	1720100000
			5.00mm Pin Spacing – PCB Terminal Blocks				
	2		281-1414-ND	.66	.60	.53	1715250000
	3		281-1415-ND	.96	.88	.78	1715260000
4	4	Black	281-1416-ND	1.29	1.17	1.04	999330
	6		281-1417-ND	1.94	1.75	1.55	999332
	8		281-1418-ND	2.58	2.33	2.07	999334

Fig.	No. of Poles	Color	Digi-Key Part No.	Price Each 1	10	100	Weidmüller Part No.
	10		281-1419-ND	3.21	2.89	2.57	999336
4	12	Black	281-1420-ND	3.86	3.47	3.09	999338
	2		281-1421-ND	.71	.64	.57	1715290000
	3		281-1422-ND	1.05	.95	.84	1715300000
	4		281-1423-ND	1.41	1.27	1.13	999351
5	6	Black	281-1424-ND	2.10	1.89	1.68	999353
	8		281-1425-ND	2.81	2.53	2.25	999355
	10		281-1426-ND	3.50	3.15	2.80	999357
	12		281-1427-ND	4.20	3.78	3.36	999359
6	2	Black	281-1876-ND	.86	.77	.69	1696060000
	3		281-1877-ND	1.26	1.14	1.01	1696070000
7	2	Black	281-1880-ND	.90	.81	.72	1697180000
	3		281-1881-ND	1.37	1.23	1.10	1697190000
	4		281-1456-ND	2.16	1.95	1.73	1635170000
	6		281-1457-ND	3.24	2.92	2.60	1625570000
8	8	Orange	281-1458-ND	4.29	3.87	3.44	1596440000
	10		281-1459-ND	5.39	4.85	4.31	1596480000
	12		281-1460-ND	6.45	5.81	5.16	1632710000
9	2	Black	281-1878-ND	1.25	1.13	1.00	1697140000
	3		281-1879-ND	1.83	1.65	1.47	1697150000
			5.08mm Pin Spacing – PCB Terminal Blocks				
	2		281-1435-ND	.66	.60	.53	1716020000
	3		281-1436-ND	.98	.88	.78	1716030000
	4		281-1437-ND	1.29	1.17	1.04	999392
10	6	Black	281-1438-ND	1.94	1.75	1.55	999394
	8		281-1439-ND	2.58	2.33	2.07	999396
	10		281-1440-ND	3.21	2.89	2.57	999398
	12		281-1441-ND	3.86	3.47	3.09	999400
11	2	Black	281-1442-ND	.71	.64	.57	1716060000

Fig.	No. of Poles	Color	Digi-Key Part No.	Price Each 1	10	100	Weidmüller Part No.
	3		281-1443-ND	1.05	.95	.84	1716070000
	4		281-1444-ND	1.41	1.27	1.13	999434
	6		281-1445-ND	2.10	1.89	1.68	999436
11	8	Black	281-1446-ND	2.81	2.53	2.25	999438
	10		281-1447-ND	3.50	3.15	2.80	999440
	12		281-1448-ND	4.20	3.78	3.36	999442
	2		281-1449-ND	.71	.64	.57	1716040000
	3		281-1450-ND	1.05	.95	.84	1716050000
	4		281-1451-ND	1.41	1.27	1.13	999476
12	6	Black	281-1452-ND	2.10	1.89	1.68	999478
	8		281-1453-ND	2.81	2.53	2.25	999480
	10		281-1454-ND	3.50	3.15	2.80	999482
	12		281-1455-ND	4.20	3.78	3.36	999484
	4		281-1564-ND	2.00	1.80	1.60	1769080000
	6		281-1565-ND	3.00	2.70	2.40	1769090000
	8		281-1566-ND	3.99	3.60	3.20	1769100000
13	10	Black	281-1567-ND	5.00	4.50	4.00	1769110000
	12		281-1568-ND	5.97	5.38	4.78	1769120000
	16		281-1569-ND	8.00	7.20	6.40	1769140000
	20		281-1570-ND	9.99	9.00	8.00	1769160000
	24		281-1571-ND	11.97	10.78	9.58	1769180000
	6		281-1572-ND	3.53	3.18	2.82	1769930000
	9		281-1573-ND	5.27	4.74	4.22	1769940000
	12		281-1574-ND	7.02	6.32	5.62	1769950000
	15		281-1575-ND	8.78	7.90	7.02	1769960000
14	18	Black	281-1576-ND	10.53	9.48	8.43	1769970000
	24		281-1577-ND	14.03	12.63	11.22	1769990000
	30		281-1578-ND	17.54	15.79	14.03	1770010000
	36		281-1579-ND	21.05	18.95	16.84	1770030000
15	2	Black	281-1870-ND	.86	.77	.69	1696040000
	3		281-1871-ND	1.26	1.14	1.01	1696050000

* Bus Version ***NOTE:*** All Omnimate pin headers mate with Omnimate socket blocks. All Minimate pin headers mate with Minimate socket blocks.

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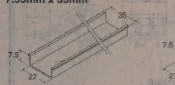
Note: Lengths exceeding 48" may incur additional shipping charges.

PART NUMBERING SYSTEM

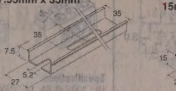
ADR□□□□-□□□□-ND

- DR = DIN RAIL
- S = Slotted, U = Unslotted
- Length in inches with an implied decimal point after the second digit. Example: 3 IN = 0300
- Width and height in MM: 3575 = 35MM X 7.55MM; 3515 = 35MM X 15MM
- A = AMERICAN ELECTRICAL INC

Unslotted 7.55mm x 35mm

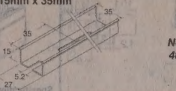


Slotted 7.55mm x 35mm



Unslotted 15mm x 35mm

Slotted 15mm x 35mm



Length (In.)	Digi-Key Part No.	"U" Price Each 1	10	100	"S" Price Each 1	10	100
		U = Unslotted		S = Slotted			
3	ADR3575-□0300-ND	1.44	1.08	.75	1.44	1.08	.75
4	ADR3575-□0400-ND	1.61	1.22	.88	1.61	1.22	.88
5	ADR3575-□0500-ND	1.63	1.26	.94	1.63	1.26	.94
6	ADR3575-□0600-ND	1.88	1.45	1.09	1.88	1.45	1.09
7	ADR3575-□0700-ND*	2.15	1.66	1.25	2.15	1.66	1.25
8	ADR3575-□0800-ND	2.40	1.87	1.40	2.40	1.87	1.40
9	ADR3575-□0900-ND	2.65	2.07	1.55	2.65	2.07	1.55
10	ADR3575-□1000-ND	2.89	2.25	1.69	2.89	2.25	1.69
11	ADR3575-□1100-ND	3.11	2.44	1.83	3.11	2.44	1.83
12	ADR3575-□1200-ND	3.32	2.61	1.96	3.32	2.61	1.96
24	ADR3575-□2400-ND	5.02	4.02	3.02	5.02	4.02	3.02
36	ADR3575-□3600-ND	6.57	5.26	3.98	6.57	5.26	3.98
48	ADR3575-□4800-ND	7.97	6.38	4.88	7.97	6.38	4.88
—	ADR3575-□7874-ND*	11.12	8.75	6.84	11.12	8.75	6.84

Length (In.)	Digi-Key Part No.	"U" Price Each 1	10	100	"S" Price Each 1	10	100
		U = Unslotted		S = Slotted			
3	ADR3515-□0300-ND	1.51	1.14	.80	1.51	1.14	.80
4	ADR3515-□0400-ND	1.64	1.25	.91	1.64	1.25	.91
5	ADR3515-□0500-ND	1.74	1.34	1.01	1.74	1.34	1.01
6	ADR3515-□0600-ND	2.05	1.58	1.19	2.05	1.58	1.19
7	ADR3515-□0700-ND	2.34	1.81	1.36	2.34	1.81	1.36
8	ADR3515-□0800-ND	2.61	2.03	1.53	2.61	2.03	1.53
9	ADR3515-□0900-ND	2.87	2.24	1.68	2.87	2.24	1.68
10	ADR3515-□1000-ND	3.12	2.44	1.83	3.12	2.44	1.83
11	ADR3515-□1100-ND	3.35	2.63	1.98	3.35	2.63	1.98
12	ADR3515-□1200-ND	3.57	2.81	2.11	3.57	2.81	2.11
24	ADR3515-□2400-ND	5.20	4.16	3.12	5.20	4.16	3.12
36	ADR3515-□3600-ND	7.05	5.65	4.28	7.05	5.65	4.28
48	ADR3515-□4800-ND	8.43	6.75	5.19	8.43	6.75	5.19
—	ADR3515-□7874-ND*	11.78	9.21	7.25	11.78	9.21	7.25

Note: □ S = Slotted, U = Unslotted **Note:** Sold in 1" increments from 3 to 78". Call for custom lengths and pricing! * 2 meter length

Crimp Wire Ferrules For Use with European Style Terminal Blocks

CE

Wire Ferrules – Insulated

Material: Copper/Plastic. Surface: Tin-plated.

Size mm²	AWG	Type	Color Code	Dimensions (mm) A	B	C	Digi-Key Part No.	Pricing 10	50	100	AE Part No.
0.14	26	DIN	Gray	10.5	6	0.8	2.0	288-1001-ND*	2.32	10.15	17.40	1161014
				12.5	8	0.8	2.0	288-1002-ND*	2.48	10.85	18.60	1161114
		W	Gray	10.5	6	0.8	2.0	288-1039-ND*	2.32	10.15	17.40	1162014
0.25	24	DIN	Yellow	10.5	6	0.8	2.0	288-1003-ND*	2.32	10.15	17.40	11610025
				12.5	8	0.8	2.0	288-1004-ND*	2.48	10.85	18.60	11810025
		W	Blue	10.5	6	0.8	2.0	288-1041-ND*	2.32	10.15	17.40	11620025
				12.5	8	0.8	2.0	288-1042-ND*	2.48	10.85	18.60	11820025
0.34	22	DIN	Turquoise	10.5	6	0.8	2.0	288-1005-ND*	2.32	10.15	17.40	1161034
				12.5	8	0.8	2.0	288-1006-ND*	2.48	10.85	18.60	1181034
		W	Turquoise	10.5	6	0.8	2.0	288-1043-ND*	2.32	10.15	17.40	1162034
				12.5	8	0.8	2.0	288-1044-ND*	2.48	10.85	18.60	1182034
0.50	20	DIN	White	11.5	6	1.1	2.5	288-1007-ND	1.68	7.35	12.60	1161050
				13.5	8	1.1	2.5	288-1008-ND	1.20	5.25	9.00	1181050
				15.5	10	1.1	2.5	288-1009-ND	1.68	7.35	12.60	11101050
		W	Orange	11.5	6	1.1	2.5	288-1045-ND	1.68	7.35	12.60	1162050
				13.5	8	1.1	2.5	288-1046-ND	1.20	5.25	9.00	1182050
				15.5	10	1.1	2.5	288-1047-ND	1.68	7.35	12.60	11102050
0.75	20	DIN	Gray	12.0	6	1.3	2.8	288-1010-ND	1.76	7.70	13.20	1161075
				14.0	8	1.3	2.8	288-1011-ND	1.20	5.25	9.00	1181075
				16.0	10	1.3	2.8	288-1012-ND	1.76	7.70	13.20	11101075
				18.0	12	1.3	2.8	288-1013-ND	1.76	7.70	13.20	11121075
		W	White	12.0	6	1.3	2.8	288-1048-ND	1.76	7.70	13.20	1162075
				14.0	8	1.3	2.8	288-1049-ND	1.20	5.25	9.00	1182075
1.00	18	DIN	Red	12.5	6	1.5	3.0	288-1014-ND	2.00	8.75	15.00	1161010
				14.5	8	1.5	3.0	288-1015-ND	1.28	5.60	9.60	1181010
				16.5	10	1.5	3.0	288-1016-ND	2.00	8.75	15.00	11101010
		W	Yellow	12.5	6	1.5	3.0	288-1052-ND	2.00	8.75	15.00	1162010
				14.5	8	1.5	3.0	288-1053-ND	1.28	5.60	9.60	1182010
				16.5	10	1.5	3.0	288-1054-ND	2.00	8.75	15.00	11102010
				18.5	12	1.5	3.0	288-1055-ND	2.00	8.75	15.00	11122010
1.50	16	DIN	Black	12.5	6	1.8	3.4	288-1018-ND*	2.80	12.25	21.00	1161015
				14.5	8	1.8	3.4	288-1019-ND	1.76	7.70	13.20	1181015
				16.5	10	1.8	3.4	288-1020-ND	2.80	12.25	21.00	11101015
				18.5	12	1.8	3.4	288-1021-ND	2.80	12.25	21.00	11121015
				12.5	6	1.8	3.4	288-1056-ND	2.80	12.25	21.00	1162015
		W	Red	14.5	8	1.8	3.4	288-1057-ND	1.76	7.70	13.20	1182015
				16.5	10	1.8	3.4	288-1058-ND	2.80	12.25	21.00	11102015
2.08	14	DIN	Yellow	14.5	8	2.05	3.6	288-1023-ND*	2.20	9.63	16.50	1181208
2.50	14	DIN	Blue	15.0	8	2.3	4.2	288-1024-ND	1.76	7.70	13.20	1181025
				19.0	12	2.3	4.2	288-1025-ND	2.40	10.50	18.00	11121025
		W	Blue	15.0	8	2.3	4.2	288-1062-ND	1.76	7.70	13.20	1182025
				19.0	12	2.3	4.2	288-1063-ND	2.40	10.50	18.00	11122025
4.00	12	DIN	Gray	17.5	10	2.9	4.8	288-1027-ND	2.88	12.60	21.60	11101040
				20.0	12	2.9	4.8	288-1028-ND	2.88	12.60	21.60	11121040
		W	Gray	17.5	10	2.9	4.8	288-1065-ND	2.88	10.80	14.40	11102040
				20.0	12	2.9	4.8	288-1066-ND	2.88	10.80	14.40	11122040
6.00	10	DIN	Yellow	20.0	12	3.6	6.2	288-1030-ND	3.80	14.25	19.00	11121060
		W	Black	20.0	12	3.6	6.2	288-1068-ND	3.80	14.25	19.00	11122060
10.00	8	DIN	Red	21.0	12	4.6	7.5	288-1032-ND	3.80	14.25	19.00	11121100
16.00	6	DIN	Blue	23.0	12	6.0	8.8	288-1034-ND	5.20	19.50	26.00	11121160
25.00	4	DIN	Yellow	29.0	16	7.5	11.0	288-1036-ND	13.20	49.50	66.00	11161250

* Does not conform to DIN 46228 Part 4

Note: For additional sizes go to www.digikey.com

Assortment Boxes

Assortment Box 1	Assortment Box 2	Assortment Box 3
150 pieces	400 pieces	100 pieces
(30 pieces each of sizes 0.25, 0.34, 0.50, 0.75, and 1.00)	(50 pieces each of sizes 0.50 and 2.50; 100 pieces each of sizes 0.75, 1.00, and 1.50)	(50 pieces each of size 4.00; 20 pieces each of sizes 6.00 and 10.00, 10 pieces of size 16.00)
DIN Type	DIN Type	DIN Type
288-1147-ND $50.00	**288-1148-ND** $75.00	**288-1149-ND** $62.50
W Type	W Type	W Type
288-1153-ND $50.00	**288-1154-ND** $75.00	**288-1155-ND** $62.50

Twin-Wire Ferrules for Two Wires

Material: Copper/Plastic. Surface: Tin-plated.

Size mm²	AWG	Color	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Pricing 10	50	100	AE Part No.
2 x 0.50	2 x 20	White	15.0	8.0	1.5	2.3 / 4.5	288-1124-ND	1.60	7.00	12.00	1381050
2 x 0.75	2 x 20	Gray	15.0	8.0	1.8	2.6 / 5.1	288-1125-ND	1.60	7.00	12.00	1381075
2 x 0.75	2 x 20	Gray	17.0	10.0	1.8	2.6 / 5.1	288-1126-ND	2.04	8.93	15.30	13101075
2 x 1.00	2 x 18	Red	15.0	8.0	2.05	3.2 / 5.1	288-1127-ND	1.88	8.23	14.10	1381010
2 x 1.00	2 x 18	Red	17.0	10.0	2.05	3.2 / 5.1	288-1128-ND	2.60	11.38	19.50	13101010
2 x 1.50	2 x 16	Black	16.0	8.0	2.3	3.5 / 6.4	288-1129-ND	2.24	9.80	16.80	1381015
2 x 1.50	2 x 16	Black	20.0	12.0	2.3	3.5 / 6.4	288-1130-ND	3.20	14.00	24.00	13121015
2 x 2.50	2 x 14	Blue	18.5	10.0	2.9	4.0 / 7.5	288-1131-ND	3.20	14.00	24.00	13101025
2 x 2.50	2 x 14	Blue	21.5	13.0	2.9	4.0 / 7.5	288-1132-ND	3.20	14.00	24.00	13131025
2 x 4.00	2 x 12	Gray	23.0	12.0	3.8	4.9 / 8.6	288-1133-ND	5.80	21.75	29.00	13121040
2 x 6.00	2 x 10	Yellow	25.0	14.0	4.9	5.8 / 9.6	288-1134-ND	6.20	23.25	31.00	13141060
2 x 10.0	2 x 8	Red	26.0	14.0	6.5	7.0 / 12.6	288-1135-ND	7.60	28.50	38.00	13141100
2 x 16.0	2 x 6	Blue	31.0	16.0	8.5	8.8 / 16.6	288-1136-ND	20.00	87.50	150.00	13161160

Wire Ferrules – Non-Insulated

Material: Copper. Surface: Tin-plated.

Size mm²	AWG	Dimensions (mm) A	B	C	Digi-Key Part No.	Pricing 10	50	100	AE Part No.
0.25	24	5	0.8	1.7	288-1077-ND*	.60	2.63	4.50	12510025
		7	0.8	1.7	288-1078-ND*	.60	2.63	4.50	12710025
0.34	22	5	0.9	1.8	288-1079-ND*	.64	2.80	4.80	12510034
		7	0.9	1.8	288-1080-ND*	.64	2.80	4.80	12710034
0.50	20	6	1.0	2.1	288-1081-ND	.68	2.98	5.10	12610050
		8	1.0	2.1	288-1082-ND*	.72	3.15	5.40	12810050
		10	1.0	2.1	288-1083-ND	.72	3.15	5.40	121010050
0.75	20	6	1.2	2.3	288-1084-ND	.84	3.68	6.30	12610075
		8	1.2	2.3	288-1085-ND*	.84	3.68	6.30	12810075
		10	1.2	2.3	288-1086-ND	.88	3.85	6.60	121010075
		12	1.2	2.3	288-1087-ND	.96	4.20	7.20	121210075
1.00	18	6	1.4	2.5	288-1088-ND	.88	3.85	6.60	12610100
		7	1.4	2.5	288-1089-ND	.88	3.85	6.60	12710100
		8	1.4	2.5	288-1090-ND*	.88	3.85	6.60	12810100
		10	1.4	2.5	288-1091-ND	.88	3.85	6.60	121010100
		12	1.4	2.5	288-1092-ND*	1.00	4.38	7.50	121210100
1.50	16	7	1.7	2.8	288-1093-ND	.92	4.03	6.90	12710150
		8	1.7	2.8	288-1094-ND	.92	4.03	6.90	12810150
		10	1.7	2.8	288-1095-ND	.96	4.20	7.20	121010150
		12	1.7	2.8	288-1096-ND	1.08	4.73	8.10	121210150
		15	1.7	2.8	288-1097-ND*	1.08	4.73	8.10	121515150
2.50	14	7	2.2	3.4	288-1099-ND	1.16	5.08	8.70	12710250
		8	2.2	3.4	288-1100-ND	1.16	5.08	8.70	12810250
		10	2.2	3.4	288-1101-ND	1.16	5.08	8.70	121010250
		12	2.2	3.4	288-1102-ND*	1.16	5.08	8.70	121210250
4.00	12	8	2.8	4.0	288-1105-ND	1.12	4.90	8.40	12910400
		10	2.8	4.0	288-1106-ND	1.12	4.90	8.40	121010400
		12	2.8	4.0	288-1107-ND	1.00	4.38	7.50	121210400
6	10	10	3.5	4.7	288-1110-ND	2.24	9.80	16.80	121010600
		12	3.5	4.7	288-1111-ND	2.24	9.80	16.80	121210600
10.00	8	12	4.5	5.8	288-1114-ND	2.00	8.75	15.00	1212110
25.00	4	12	7.3	9.5	288-1121-ND*	10.40	45.50	78.00	1212125

* Does not conform to DIN 46228 Part 1

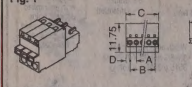
Assortment Boxes

288-1156-ND	**Assortment Box 7 — 1,800 pieces** (500 pieces of size 0.50; 400 pieces each of sizes 0.75 and 1.00; 300 pieces of size 1.50; 200 pieces of Size 2.50) $87.50
288-1157-ND	**Assortment Box 8 — 370 pieces** (150 pieces of size 4.00; 100 pieces of size 6.00; 80 pieces of size 10.00; 40 pieces of size 16.00) $75.00

Crimp Tools

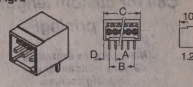
288-1163-ND	Prototype Tool For 10-22 AWG Ferrules (AE Part # TRAP 22-10) $43.73
288-1158-ND	For 10-24 AWG Ferrules (AE Part # TRAP 24-10) $175.00
288-1159-ND	For 4-8 AWG Ferrules (AE Part # TRAP 8-4) $188.46
288-1161-ND	For 10-28 AWG Ferrules (AE Part # SQ 28-10) $210.00
288-1162-ND	For 8-12 AWG Ferrules (AE Part # TRAP 12-8 TW) $250.72

Fig. 1



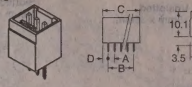
Specifications:
UL: 125V @ 4A, 20-28AWG
IEC: 100V @ 4A, 20-28AWG **Color:** Green

Fig. 2



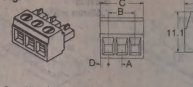
Specifications:
UL: 125V @ 4A **IEC:** 80V @ 4A **Color:** Green

Fig. 3



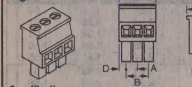
Specifications:
UL: 125V @ 4A **IEC:** 80V @ 4A **Color:** Green

Fig. 4



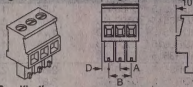
Specifications:
UL: 300V @ 8A, 14-30AWG
IEC: 125V @ 8A, 16-28 AWG **Color:** Green

Fig. 5



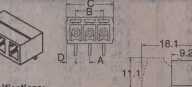
Specifications:
UL: 300V @ 8A, 14-30AWG
IEC: 125V @ 8A, 16-28AWG **Color:** Green

Fig. 6



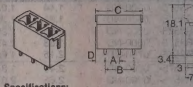
Specifications:
UL: 300V @ 8A, 14-30AWG
IEC: 125V @ 8A, 16-28AWG **Color:** Green

Fig. 7



Specifications:
UL: 300V @ 8A
IEC: 125V @ 8A **Color:** Green

Fig. 8

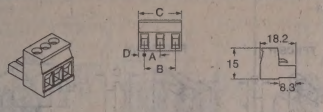


Specifications:
UL: 300V @ 8A
IEC: 125V @ 8A **Color:** Green

No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
Fig. 1 — 2.5mm Spring Cage Terminal Block Plug										
2	2.5	2.5	5.6	1.55	277-1430-ND	2.32	2.09	1.86	FK-MC 0.5/2-ST-2.5	1881325
3	2.5	5.0	8.1	1.55	277-1431-ND	3.47	3.13	2.78	FK-MC 0.5/3-ST-2.5	1881338
4	2.5	7.5	10.6	1.55	277-1432-ND	4.63	4.17	3.71	FK-MC 0.5/4-ST-2.5	1881341
5	2.5	10.0	13.1	1.55	277-1433-ND	5.79	5.22	4.64	FK-MC 0.5/5-ST-2.5	1881354
6	2.5	12.5	15.6	1.55	277-1434-ND	6.95	6.26	5.56	FK-MC 0.5/6-ST-2.5	1881367
7	2.5	15.0	18.1	1.55	277-1435-ND	8.11	7.30	6.49	FK-MC 0.5/7-ST-2.5	1881370
8	2.5	17.5	20.6	1.55	277-1436-ND	9.27	8.34	7.42	FK-MC 0.5/8-ST-2.5	1881383
9	2.5	20.0	23.1	1.55	277-1437-ND	10.42	9.39	8.34	FK-MC 0.5/9-ST-2.5	1881396
10	2.5	22.5	25.6	1.55	277-1438-ND	11.58	10.43	9.27	FK-MC 0.5/10-ST-2.5	1881406
11	2.5	25.0	28.1	1.55	277-1439-ND	12.74	11.47	10.20	FK-MC 0.5/11-ST-2.5	1881419
12	2.5	27.5	30.6	1.55	277-1440-ND	13.90	12.51	11.12	FK-MC 0.5/12-ST-2.5	1881422
Fig. 2 — 2.5mm Connector Header — Right Angle										
2	2.5	2.5	6.9	2.2	277-1441-ND	.72	.65	.58	MC 0.5/2-G-2.5	1881448
3	2.5	5.0	9.4	2.2	277-1442-ND	1.04	.94	.83	MC 0.5/3-G-2.5	1881451
4	2.5	7.5	11.9	2.2	277-1443-ND	1.38	1.24	1.11	MC 0.5/4-G-2.5	1881464
5	2.5	10.0	14.4	2.2	277-1444-ND	1.69	1.53	1.36	MC 0.5/5-G-2.5	1881477
6	2.5	12.5	16.9	2.2	277-1445-ND	2.00	1.81	1.61	MC 0.5/6-G-2.5	1881480
7	2.5	15.0	19.4	2.2	277-1446-ND	2.30	2.08	1.85	MC 0.5/7-G-2.5	1881493
8	2.5	17.5	21.9	2.2	277-1447-ND	2.63	2.37	2.11	MC 0.5/8-G-2.5	1881503
9	2.5	20.0	24.4	2.2	277-1448-ND	2.94	2.65	2.36	MC 0.5/9-G-2.5	1881516
10	2.5	22.5	26.9	2.2	277-1449-ND	3.27	2.95	2.62	MC 0.5/10-G-2.5	1881529
11	2.5	25.0	29.4	2.2	277-1450-ND	3.58	3.23	2.87	MC 0.5/11-G-2.5	1881532
12	2.5	27.5	31.9	2.2	277-1451-ND	3.91	3.52	3.13	MC 0.5/12-G-2.5	1881545
Fig. 3 — 2.5mm Connector Header — Vertical										
2	2.5	2.5	6.9	2.2	277-1452-ND	.72	.65	.58	MCV 0.5/2-G-2.5	1881558
3	2.5	5.0	9.4	2.2	277-1453-ND	1.04	.94	.83	MCV 0.5/3-G-2.5	1881561
4	2.5	7.5	11.9	2.2	277-1454-ND	1.38	1.24	1.11	MCV 0.5/4-G-2.5	1881574
5	2.5	10.0	14.4	2.2	277-1455-ND	1.69	1.53	1.36	MCV 0.5/5-G-2.5	1881587
6	2.5	12.5	16.9	2.2	277-1456-ND	2.00	1.81	1.61	MCV 0.5/6-G-2.5	1881590
7	2.5	15.0	19.4	2.2	277-1457-ND	2.30	2.08	1.85	MCV 0.5/7-G-2.5	1881600
8	2.5	17.5	21.9	2.2	277-1458-ND	2.63	2.37	2.11	MCV 0.5/8-G-2.5	1881613
9	2.5	20.0	24.4	2.2	277-1459-ND	2.94	2.65	2.36	MCV 0.5/9-G-2.5	1881626
10	2.5	22.5	26.9	2.2	277-1460-ND	3.12	2.81	2.50	MCV 0.5/10-G-2.5	1881639
11	2.5	25.0	29.4	2.2	277-1461-ND	3.58	3.23	2.87	MCV 0.5/11-G-2.5	1881642
12	2.5	27.5	31.9	2.2	277-1462-ND	3.91	3.52	3.13	MCV 0.5/12-G-2.5	1881655
Fig. 4 — 3.81mm Connector Terminal Block Plug										
2	3.81	3.81	8.41	2.3	277-1161-ND	1.88	1.70	1.51	MC 1.5/2-ST-3.81	1803578
3	3.81	7.62	12.22	2.3	277-1162-ND	2.82	2.54	2.26	MC 1.5/3-ST-3.81	1803581
4	3.81	11.43	16.03	2.3	277-1163-ND	3.73	3.36	2.99	MC 1.5/4-ST-3.81	1803594
5	3.81	15.24	19.84	2.3	277-1164-ND	4.73	4.26	3.79	MC 1.5/5-ST-3.81	1803604
6	3.81	19.05	23.65	2.3	277-1165-ND	5.63	5.07	4.51	MC 1.5/6-ST-3.81	1803617
7	3.81	22.86	27.46	2.3	277-1166-ND	6.62	5.96	5.30	MC 1.5/7-ST-3.81	1803620
8	3.81	26.67	31.27	2.3	277-1167-ND	7.48	6.74	5.99	MC 1.5/8-ST-3.81	1803633
9	3.81	30.48	35.08	2.3	277-1168-ND	8.50	7.66	6.81	MC 1.5/9-ST-3.81	1803646
10	3.81	34.29	38.89	2.3	277-1169-ND	9.39	8.45	7.52	MC 1.5/10-ST-3.81	1803659
11	3.81	38.10	42.70	2.3	277-1170-ND	10.38	9.35	8.31	MC 1.5/11-ST-3.81	1803662
12	3.81	41.91	46.51	2.3	277-1171-ND	11.32	10.19	9.06	MC 1.5/12-ST-3.81	1803675
13	3.81	45.72	50.32	2.3	277-1172-ND	12.19	10.98	9.76	MC 1.5/13-ST-3.81	1803688
14	3.81	49.53	54.13	2.3	277-1173-ND	13.22	11.90	10.58	MC 1.5/14-ST-3.81	1803691
15	3.81	53.34	57.94	2.3	277-1174-ND	14.17	12.76	11.34	MC 1.5/15-ST-3.81	1803701
16	3.81	57.15	61.75	2.3	277-1175-ND	15.10	13.59	12.08	MC 1.5/16-ST-3.81	1803714
Fig. 5 — 3.81mm Connector Terminal Block Plug										
2	3.81	3.81	8.41	2.3	277-1176-ND	2.04	1.84	1.64	MCVW 1.5/2-ST-3.81	1826979
3	3.81	7.62	12.22	2.3	277-1177-ND	3.05	2.75	2.45	MCVW 1.5/3-ST-3.81	1826982
4	3.81	11.43	16.03	2.3	277-1178-ND	4.05	3.65	3.24	MCVW 1.5/4-ST-3.81	1826995
5	3.81	15.24	19.84	2.3	277-1179-ND	5.10	4.59	4.08	MCVW 1.5/5-ST-3.81	1827004
6	3.81	19.05	23.65	2.3	277-1180-ND	6.09	5.49	4.88	MCVW 1.5/6-ST-3.81	1827017
7	3.81	22.86	27.46	2.3	277-1181-ND	7.11	6.41	5.69	MCVW 1.5/7-ST-3.81	1827020
8	3.81	26.67	31.27	2.3	277-1182-ND	8.13	7.33	6.51	MCVW 1.5/8-ST-3.81	1827033
9	3.81	30.48	35.08	2.3	277-1183-ND	9.17	8.26	7.34	MCVW 1.5/9-ST-3.81	1827046
10	3.81	34.29	38.89	2.3	277-1184-ND	10.16	9.15	8.14	MCVW 1.5/10-ST-3.81	1827059
11	3.81	38.10	42.70	2.3	277-1185-ND	11.19	10.07	8.95	MCVW 1.5/11-ST-3.81	1827062
12	3.81	41.91	46.51	2.3	277-1186-ND	12.24	11.02	9.79	MCVW 1.5/12-ST-3.81	1827075
13	3.81	45.72	50.32	2.3	277-1187-ND	13.22	11.90	10.58	MCVW 1.5/13-ST-3.81	1827088
14	3.81	49.53	54.13	2.3	277-1188-ND	14.25	12.83	11.41	MCVW 1.5/14-ST-3.81	1827091
15	3.81	53.34	57.94	2.3	277-1189-ND	15.27	13.75	12.22	MCVW 1.5/15-ST-3.81	1827101
16	3.81	57.15	61.75	2.3	277-1190-ND	16.28	14.66	13.03	MCVW 1.5/16-ST-3.81	1827114
Fig. 6 — 3.81mm Connector Terminal Block Plug										
2	3.81	3.81	8.41	2.3	277-1191-ND	2.04	1.84	1.64	MCVR 1.5/2-ST-3.81	1827127
3	3.81	7.62	12.22	2.3	277-1192-ND	3.05	2.75	2.45	MCVR 1.5/3-ST-3.81	1827130
4	3.81	11.43	16.03	2.3	277-1193-ND	4.05	3.65	3.24	MCVR 1.5/4-ST-3.81	1827143
5	3.81	15.24	19.84	2.3	277-1194-ND	5.10	4.59	4.08	MCVR 1.5/5-ST-3.81	1827156
6	3.81	19.05	23.65	2.3	277-1195-ND	6.09	5.49	4.88	MCVR 1.5/6-ST-3.81	1827169
7	3.81	22.86	27.46	2.3	277-1196-ND	7.11	6.41	5.69	MCVR 1.5/7-ST-3.81	1827172
8	3.81	26.67	31.27	2.3	277-1197-ND	8.13	7.33	6.51	MCVR 1.5/8-ST-3.81	1827185
9	3.81	30.48	35.08	2.3	277-1198-ND	9.17	8.26	7.34	MCVR 1.5/9-ST-3.81	1827198
10	3.81	34.29	38.89	2.3	277-1199-ND	10.16	9.15	8.14	MCVR 1.5/10-ST-3.81	1827208
11	3.81	38.10	42.70	2.3	277-1200-ND	11.19	10.07	8.95	MCVR 1.5/11-ST-3.81	1827211
12	3.81	41.91	46.51	2.3	277-1201-ND	12.24	11.02	9.79	MCVR 1.5/12-ST-3.81	1827224
13	3.81	45.72	50.32	2.3	277-1202-ND	13.22	11.90	10.58	MCVR 1.5/13-ST-3.81	1827237
14	3.81	49.53	54.13	2.3	277-1203-ND	14.25	12.83	11.41	MCVR 1.5/14-ST-3.81	1827240
15	3.81	53.34	57.94	2.3	277-1204-ND	15.27	13.75	12.22	MCVR 1.5/15-ST-3.81	1827253
16	3.81	57.15	61.75	2.3	277-1205-ND	16.28	14.66	13.03	MCVR 1.5/16-ST-3.81	1827266
Fig. 7 — 3.81mm Connector Header — Right Angle										
2	3.81	3.81	9.01	2.6	277-1206-ND	.64	.58	.52	MC 1.5/2-G-3.81	1803277
3	3.81	7.62	12.82	2.6	277-1207-ND	.98	.89	.79	MC 1.5/3-G-3.81	1803280
4	3.81	11.43	16.63	2.6	277-1208-ND	1.32	1.19	1.06	MC 1.5/4-G-3.81	1803293
5	3.81	15.24	20.44	2.6	277-1209-ND	1.62	1.46	1.30	MC 1.5/5-G-3.81	1803303
6	3.81	19.05	24.25	2.6	277-1210-ND	1.98	1.78	1.59	MC 1.5/6-G-3.81	1803316
7	3.81	22.86	28.06	2.6	277-1211-ND	2.30	2.08	1.85	MC 1.5/7-G-3.81	1803329
8	3.81	26.67	31.87	2.6	277-1212-ND	2.62	2.36	2.10	MC 1.5/8-G-3.81	1803332
9	3.81	30.48	35.68	2.6	277-1213-ND	2.98	2.69	2.39	MC 1.5/9-G-3.81	1803345
10	3.81	34.29	39.49	2.6	277-1214-ND	3.27	2.95	2.62	MC 1.5/10-G-3.81	1803358
11	3.81	38.10	43.30	2.6	277-1215-ND	3.61	3.25	2.89	MC 1.5/11-G-3.81	1803361
12	3.81	41.91	47.11	2.6	277-1216-ND	3.94	3.55	3.16	MC 1.5/12-G-3.81	1803374
13	3.81	45.72	50.92	2.6	277-1217-ND	4.26	3.84	3.42	MC 1.5/13-G-3.81	1803387
14	3.81	49.53	54.73	2.6	277-1218-ND	4.59	4.14	3.68	MC 1.5/14-G-3.81	1803390
15	3.81	53.34	58.54	2.6	277-1219-ND	4.92	4.43	3.94	MC 1.5/15-G-3.81	1803400
16	3.81	57.15	62.35	2.6	277-1220-ND	5.23	4.71	4.19	MC 1.5/16-G-3.81	1803413
Fig. 8 — 3.81mm Connector Header — Vertical										
2	3.81	3.81	9.01	2.6	277-1221-ND	.64	.58	.52	MCV 1.5/2-G-3.81	1803426
3	3.81	7.62	12.82	2.6	277-1222-ND	.98	.89	.79	MCV 1.5/3-G-3.81	1803439
4	3.81	11.43	16.63	2.6	277-1223-ND	1.32	1.19	1.06	MCV 1.5/4-G-3.81	1803442
5	3.81	15.24	20.44	2.6	277-1224-ND	1.62	1.46	1.30	MCV 1.5/5-G-3.81	1803455
6	3.81	19.05	24.25	2.6	277-1225-ND	1.96	1.77	1.57	MCV 1.5/6-G-3.81	1803468
7	3.81	22.86	28.06	2.6	277-1226-ND	2.30	2.08	1.85	MCV 1.5/7-G-3.81	1803471
8	3.81	26.67	31.87	2.6	277-1227-ND	2.59	2.33	2.08	MCV 1.5/8-G-3.81	1803484
9	3.81	30.48	35.68	2.6	277-1228-ND	2.98	2.69	2.39	MCV 1.5/9-G-3.81	1803497
10	3.81	34.29	39.49	2.6	277-1229-ND	3.27	2.95	2.62	MCV 1.5/10-G-3.81	1803507
11	3.81	38.10	43.30	2.6	277-1230-ND	3.61	3.25	2.89	MCV 1.5/11-G-3.81	1803510
12	3.81	41.91	47.11	2.6	277-1231-ND	3.97	3.57	3.18	MCV 1.5/12-G-3.81	1803523
13	3.81	45.72	50.92	2.6	277-1232-ND	4.26	3.84	3.42	MCV 1.5/13-G-3.81	1803536
14	3.81	49.53	54.73	2.6	277-1233-ND	4.59	4.14	3.68	MCV 1.5/14-G-3.81	1803549
15	3.81	53.34	58.54	2.6	277-1234-ND	4.92	4.43	3.94	MCV 1.5/15-G-3.81	1803552
16	3.81	57.15	62.35	2.6	277-1235-ND	5.23	4.71	4.19	MCV 1.5/16-G-3.81	1803565

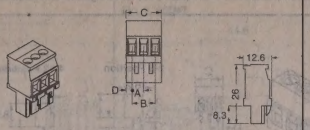
(Continued)

Fig. 9



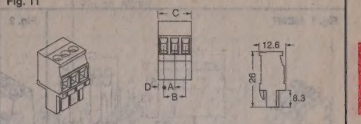
Specifications:
UL: 300V @ 10A, 12-30AWG
IEC: 250V @ 12A, 12-24AWG **Color:** Green

Fig. 10



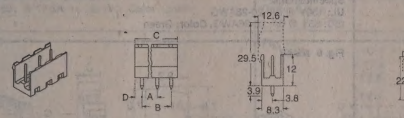
Specifications:
UL: 300V @ 10A, 12-30AWG
IEC: 250V @ 12A, 12-24AWG **Color:** Green

Fig. 11



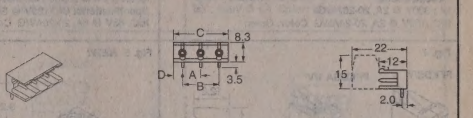
Specifications:
UL: 300V @ 10A, 12-30AWG
IEC: 250V @ 12A, 12-24AWG **Color:** Green

Fig. 12



Specifications:
UL: 300V @ 10A
IEC: 250V @ 12A **Color:** Green

Fig. 13



Specifications:
UL: 300V @ 10A
IEC: 250V @ 12A **Color:** Green

No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
Fig. 9 — 5mm Connector Terminal Block Plug										
2	5.0	5	10	2.5	277-1000-ND	1.61	1.45	1.29	MSTB 2.5/2-ST	1754449
3	5.0	10	15	2.5	277-1001-ND	2.41	2.18	1.93	MSTB 2.5/3-ST	1754465
4	5.0	15	20	2.5	277-1002-ND	3.22	2.90	2.58	MSTB 2.5/4-ST	1754481
5	5.0	20	25	2.5	277-1003-ND	3.99	3.60	3.20	MSTB 2.5/5-ST	1754504
6	5.0	25	30	2.5	277-1004-ND	4.80	4.32	3.84	MSTB 2.5/6-ST	1754520
7	5.0	30	35	2.5	277-1005-ND	5.65	5.09	4.53	MSTB 2.5/7-ST	1754546
8	5.0	35	40	2.5	277-1006-ND	6.42	5.78	5.14	MSTB 2.5/8-ST	1754562
9	5.0	40	45	2.5	277-1007-ND	7.25	6.53	5.80	MSTB 2.5/9-ST	1754588
10	5.0	45	50	2.5	277-1008-ND	8.01	7.21	6.41	MSTB 2.5/10-ST	1754601
11	5.0	50	55	2.5	277-1009-ND	8.84	7.96	7.08	MSTB 2.5/11-ST	1754627
12	5.0	55	60	2.5	277-1010-ND	9.66	8.70	7.73	MSTB 2.5/12-ST	1754643
Fig. 9 — 5.08mm Connector Terminal Block Plug										
2	5.08	5.08	10.16	2.54	277-1011-ND	1.57	1.41	1.26	MSTB 2.5/2-ST-5.08	1757019
3	5.08	10.16	15.24	2.54	277-1012-ND	2.37	2.14	1.90	MSTB 2.5/3-ST-5.08	1757022
4	5.08	15.24	20.32	2.54	277-1013-ND	3.16	2.85	2.53	MSTB 2.5/4-ST-5.08	1757035
5	5.08	20.32	25.40	2.54	277-1014-ND	3.91	3.52	3.13	MSTB 2.5/5-ST-5.08	1757048
6	5.08	25.40	30.48	2.54	277-1015-ND	4.70	4.24	3.77	MSTB 2.5/6-ST-5.08	1757051
7	5.08	30.48	35.56	2.54	277-1016-ND	5.50	4.96	4.41	MSTB 2.5/7-ST-5.08	1757064
8	5.08	35.56	40.64	2.54	277-1017-ND	6.25	5.63	5.01	MSTB 2.5/8-ST-5.08	1757077
9	5.08	40.64	45.72	2.54	277-1018-ND	7.07	6.37	5.66	MSTB 2.5/9-ST-5.08	1757080
10	5.08	45.72	50.80	2.54	277-1019-ND	7.86	7.08	6.29	MSTB 2.5/10-ST-5.08	1757093
11	5.08	50.80	55.88	2.54	277-1020-ND	8.68	7.82	6.95	MSTB 2.5/11-ST-5.08	1757103
12	5.08	55.88	60.96	2.54	277-1021-ND	9.42	8.48	7.54	MSTB 2.5/12-ST-5.08	1757116
Fig. 10 — 5mm Connector Terminal Block Plug										
2	5.0	5	10	2.5	277-1029-ND	1.88	1.70	1.51	MVSTBR 2.5/2-ST	1792016
3	5.0	10	15	2.5	277-1030-ND	2.75	2.48	2.21	MVSTBR 2.5/3-ST	1792029
4	5.0	15	20	2.5	277-1031-ND	3.71	3.34	2.97	MVSTBR 2.5/4-ST	1792032
5	5.0	20	25	2.5	277-1032-ND	4.65	4.19	3.72	MVSTBR 2.5/5-ST	1792045
6	5.0	25	30	2.5	277-1033-ND	5.59	5.03	4.47	MVSTBR 2.5/6-ST	1792058
7	5.0	30	35	2.5	277-1034-ND	6.51	5.87	5.22	MVSTBR 2.5/7-ST	1792061
8	5.0	35	40	2.5	277-1035-ND	7.43	6.69	5.95	MVSTBR 2.5/8-ST	1792074
9	5.0	40	45	2.5	277-1036-ND	8.35	7.52	6.69	MVSTBR 2.5/9-ST	1792087
10	5.0	45	50	2.5	277-1037-ND	9.25	8.33	7.41	MVSTBR 2.5/10-ST	1792090
11	5.0	50	55	2.5	277-1038-ND	10.22	9.20	8.18	MVSTBR 2.5/11-ST	1792100
12	5.0	55	60	2.5	277-1039-ND	11.13	10.02	8.91	MVSTBR 2.5/12-ST	1792113
Fig. 10 — 5.08mm Connector Terminal Block Plug										
2	5.08	5.08	10.16	2.54	277-1040-ND	1.87	1.68	1.50	MVSTBR 2.5/2-ST-5.08	1792249
3	5.08	10.16	15.24	2.54	277-1041-ND	2.74	2.47	2.20	MVSTBR 2.5/3-ST-5.08	1792252
4	5.08	15.24	20.32	2.54	277-1042-ND	3.69	3.33	2.96	MVSTBR 2.5/4-ST-5.08	1792265
5	5.08	20.32	25.40	2.54	277-1043-ND	4.65	4.19	3.72	MVSTBR 2.5/5-ST-5.08	1792278
6	5.08	25.40	30.48	2.54	277-1044-ND	5.59	5.03	4.47	MVSTBR 2.5/6-ST-5.08	1792281
7	5.08	30.48	35.56	2.54	277-1045-ND	6.51	5.87	5.22	MVSTBR 2.5/7-ST-5.08	1792294
8	5.08	35.56	40.64	2.54	277-1046-ND	7.43	6.69	5.95	MVSTBR 2.5/8-ST-5.08	1792304
9	5.08	40.64	45.72	2.54	277-1047-ND	8.35	7.52	6.69	MVSTBR 2.5/9-ST-5.08	1792317
10	5.08	45.72	50.80	2.54	277-1048-ND	9.25	8.33	7.41	MVSTBR 2.5/10-ST-5.08	1792320
11	5.08	50.80	55.88	2.54	277-1049-ND	10.22	9.20	8.18	MVSTBR 2.5/11-ST-5.08	1792333
12	5.08	55.88	60.96	2.54	277-1050-ND	11.13	10.02	8.91	MVSTBR 2.5/12-ST-5.08	1792346
Fig. 11 — 5mm Connector Terminal Block Plug										
2	5.0	5	10	2.5	277-1051-ND	1.88	1.70	1.51	MVSTBW 2.5/2-ST	1792524
3	5.0	10	15	2.5	277-1052-ND	2.75	2.48	2.21	MVSTBW 2.5/3-ST	1792537
4	5.0	15	20	2.5	277-1053-ND	3.71	3.34	2.97	MVSTBW 2.5/4-ST	1792540
5	5.0	20	25	2.5	277-1054-ND	4.65	4.19	3.72	MVSTBW 2.5/5-ST	1792553
6	5.0	25	30	2.5	277-1055-ND	5.59	5.03	4.47	MVSTBW 2.5/6-ST	1792566
7	5.0	30	35	2.5	277-1056-ND	6.51	5.87	5.22	MVSTBW 2.5/7-ST	1792579
8	5.0	35	40	2.5	277-1057-ND	7.43	6.69	5.95	MVSTBW 2.5/8-ST	1792582
9	5.0	40	45	2.5	277-1058-ND	8.35	7.52	6.69	MVSTBW 2.5/9-ST	1792595
10	5.0	45	50	2.5	277-1059-ND	9.25	8.33	7.41	MVSTBW 2.5/10-ST	1792605
11	5.0	50	55	2.5	277-1060-ND	10.22	9.20	8.18	MVSTBW 2.5/11-ST	1792618
12	5.0	55	60	2.5	277-1061-ND	11.13	10.02	8.91	MVSTBW 2.5/12-ST	1792621

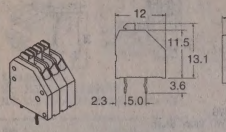
No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
Fig. 11 — 5.08mm Connector Terminal Block Plug										
2	5.08	5.08	10.16	2.54	277-1062-ND	1.87	1.68	1.50	MVSTBW 2.5/2-ST-5.08	1792757
3	5.08	10.16	15.24	2.54	277-1063-ND	2.74	2.47	2.20	MVSTBW 2.5/3-ST-5.08	1792760
4	5.08	15.24	20.32	2.54	277-1064-ND	3.69	3.33	2.96	MVSTBW 2.5/4-ST-5.08	1792773
5	5.08	20.32	25.40	2.54	277-1065-ND	4.65	4.19	3.72	MVSTBW 2.5/5-ST-5.08	1792786
6	5.08	25.40	30.48	2.54	277-1066-ND	5.59	5.03	4.47	MVSTBW 2.5/6-ST-5.08	1792799
7	5.08	30.48	35.56	2.54	277-1067-ND	6.51	5.87	5.22	MVSTBW 2.5/7-ST-5.08	1792809
8	5.08	35.56	40.64	2.54	277-1068-ND	7.43	6.69	5.95	MVSTBW 2.5/8-ST-5.08	1792812
9	5.08	40.64	45.72	2.54	277-1069-ND	8.35	7.52	6.69	MVSTBW 2.5/9-ST-5.08	1792825
10	5.08	45.72	50.80	2.54	277-1070-ND	9.25	8.33	7.41	MVSTBW 2.5/10-ST-5.08	1792838
11	5.08	50.80	55.88	2.54	277-1071-ND	10.22	9.20	8.18	MVSTBW 2.5/11-ST-5.08	1792841
12	5.08	55.88	60.96	2.54	277-1072-ND	11.13	10.02	8.91	MVSTBW 2.5/12-ST-5.08	1792854
Fig. 12 — 5mm Connector Header — Vertical										
2	5.0	5	10	2.5	277-1073-ND	.56	.51	.45	MSTBV 2.5/2-G	1753437
3	5.0	10	15	2.5	277-1074-ND	.84	.76	.68	MSTBV 2.5/3-G	1753453
4	5.0	15	20	2.5	277-1075-ND	1.13	1.02	.91	MSTBV 2.5/4-G	1753479
5	5.0	20	25	2.5	277-1076-ND	1.42	1.28	1.14	MSTBV 2.5/5-G	1753495
6	5.0	25	30	2.5	277-1077-ND	1.68	1.51	1.35	MSTBV 2.5/6-G	1753518
7	5.0	30	35	2.5	277-1078-ND	1.96	1.77	1.57	MSTBV 2.5/7-G	1753534
8	5.0	35	40	2.5	277-1079-ND	2.23	2.02	1.79	MSTBV 2.5/8-G	1753550
9	5.0	40	45	2.5	277-1080-ND	2.52	2.27	2.02	MSTBV 2.5/9-G	1753576
10	5.0	45	50	2.5	277-1081-ND	2.79	2.52	2.24	MSTBV 2.5/10-G	1753592
11	5.0	50	55	2.5	277-1082-ND	3.09	2.79	2.48	MSTBV 2.5/11-G	1753615
12	5.0	55	60	2.5	277-1083-ND	3.38	3.05	2.71	MSTBV 2.5/12-G	1753631
Fig. 12 — 5.08mm Connector Header — Vertical										
2	5.08	5.08	10.16	2.54	277-1128-ND	.53	.48	.43	MSTBV 2.5/2-G-5.08	1758018
3	5.08	10.16	15.24	2.54	277-1129-ND	.82	.74	.66	MSTBV 2.5/3-G-5.08	1758021
4	5.08	15.24	20.32	2.54	277-1130-ND	1.08	.97	.87	MSTBV 2.5/4-G-5.08	1758034
5	5.08	20.32	25.40	2.54	277-1131-ND	1.36	1.23	1.09	MSTBV 2.5/5-G-5.08	1758047
6	5.08	25.40	30.48	2.54	277-1132-ND	1.61	1.45	1.29	MSTBV 2.5/6-G-5.08	1758050
7	5.08	30.48	35.56	2.54	277-1133-ND	1.88	1.70	1.51	MSTBV 2.5/7-G-5.08	1758063
8	5.08	35.56	40.64	2.54	277-1134-ND	2.15	1.94	1.73	MSTBV 2.5/8-G-5.08	1758076
9	5.08	40.64	45.72	2.54	277-1135-ND	2.43	2.19	1.95	MSTBV 2.5/9-G-5.08	1758089
10	5.08	45.72	50.80	2.54	277-1136-ND	2.68	2.42	2.15	MSTBV 2.5/10-G-5.08	1758092
11	5.08	50.80	55.88	2.54	277-1137-ND	2.97	2.68	2.38	MSTBV 2.5/11-G-5.08	1758102
12	5.08	55.88	60.96	2.54	277-1138-ND	3.24	2.92	2.60	MSTBV 2.5/12-G-5.08	1758115
Fig. 13 — 5mm Connector Header — Right Angle										
2	5.0	5	10	2.5	277-1084-ND	.56	.51	.45	MSTB 2.5/2-G	1754436
3	5.0	10	15	2.5	277-1085-ND	.84	.76	.68	MSTB 2.5/3-G	1754452
4	5.0	15	20	2.5	277-1086-ND	1.13	1.02	.91	MSTB 2.5/4-G	1754478
5	5.0	20	25	2.5	277-1087-ND	1.42	1.28	1.14	MSTB 2.5/5-G	1754494
6	5.0	25	30	2.5	277-1088-ND	1.68	1.51	1.35	MSTB 2.5/6-G	1754517
7	5.0	30	35	2.5	277-1089-ND	1.96	1.77	1.57	MSTB 2.5/7-G	1754533
8	5.0	35	40	2.5	277-1090-ND	2.23	2.02	1.79	MSTB 2.5/8-G	1754559
9	5.0	40	45	2.5	277-1091-ND	2.52	2.27	2.02	MSTB 2.5/9-G	1754575
10	5.0	45	50	2.5	277-1092-ND	2.79	2.52	2.24	MSTB 2.5/10-G	1754591
11	5.0	50	55	2.5	277-1093-ND	3.09	2.79	2.48	MSTB 2.5/11-G	1754614
12	5.0	55	60	2.5	277-1094-ND	3.38	3.05	2.71	MSTB 2.5/12-G	1754630
Fig. 13 — 5.08mm Connector Header — Right Angle										
2	5.08	5.08	10.16	2.54	277-1095-ND	.53	.48	.43	MSTB 2.5/2-G-5.08	1759017
3	5.08	10.16	15.24	2.54	277-1096-ND	.82	.74	.66	MSTB 2.5/3-G-5.08	1759020
4	5.08	15.24	20.32	2.54	277-1097-ND	1.09	.99	.88	MSTB 2.5/4-G-5.08	1759033
5	5.08	20.32	25.40	2.54	277-1098-ND	1.36	1.23	1.09	MSTB 2.5/5-G-5.08	1759046
6	5.08	25.40	30.48	2.54	277-1099-ND	1.61	1.45	1.29	MSTB 2.5/6-G-5.08	1759059
7	5.08	30.48	35.56	2.54	277-1100-ND	1.88	1.70	1.51	MSTB 2.5/7-G-5.08	1759062
8	5.08	35.56	40.64	2.54	277-1101-ND	2.15	1.94	1.73	MSTB 2.5/8-G-5.08	1759075
9	5.08	40.64	45.72	2.54	277-1102-ND	2.43	2.19	1.95	MSTB 2.5/9-G-5.08	1759088
10	5.08	45.72	50.80	2.54	277-1103-ND	2.68	2.42	2.15	MSTB 2.5/10-G-5.08	1759091
11	5.08	50.80	55.88	2.54	277-1104-ND	2.97	2.68	2.38	MSTB 2.5/11-G-5.08	1759101
12	5.08	55.88	60.96	2.54	277-1105-ND	3.24	2.92	2.60	MSTB 2.5/12-G-5.08	1759114

Terminal Blocks

Micro-Pitch Terminal Blocks: The MPT 0.5 is the smallest screw terminal block available. With a micro-pitch of 2.54mm, the MPT 0.5 is ideal for high density applications.
Press Fit Terminal Blocks: The Press-Fit printed circuit board terminal block line is the perfect solution when wave soldering is not an option. The Press-Fit line is available in both fixed and pluggable styles.

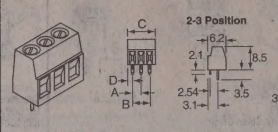
RoHS COMPLIANT

Fig. 1 ***NEW!***



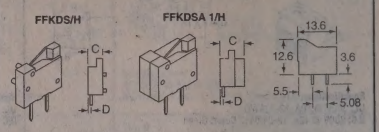
Specifications:
UL: 300V @ 2A, 20-26AWG
IEC: 160V @ 2A, 20-24AWG **Color:** Green

Fig. 2



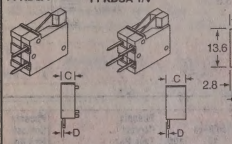
NOTE: The 2 and 3 position versions have an additional locating pin to support the mechanical load.
Specifications: UL: 125V @ 6A, 20-30AWG
IEC: 63V @ 6A, 20-26AWG **Color:** Green

Fig. 3



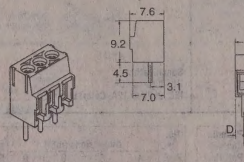
Specifications:
UL: 150V @ 6A, 20-26AWG
IEC: 63V @ 6A, 20-26AWG **Color:** Green

Fig. 4



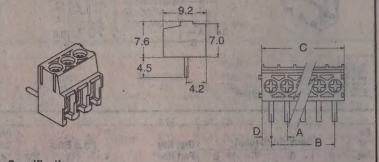
Specifications: UL: 150V @ 6A, 20-26AWG
IEC: 63V @ 6A, 20-26AWG **Color:** Green

Fig. 5 ***NEW!***



Specifications:
UL: 300V @ 10A, 16-26AWG
IEC: 160V @ 17.5A, 16-26AWG **Color:** Green

Fig. 6 ***NEW!***



Specifications:
UL: 300V @ 10A, 16-26AWG
IEC: 160V @ 17.5A, 16-26AWG **Color:** Green

No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
NEW! Fig. 1 — 2.5mm Connector Terminal Block Spring NEW!										
2	2.5	2.5	6.5	—	277-1794-ND	.24	.22	.20	PTSA 0,5/2-2,5-Z	1990009
3	2.5	5	9	—	277-1795-ND	.37	.34	.30	PTSA 0,5/3-2,5-Z	1990012
4	2.5	7.5	11.5	—	277-1796-ND	.49	.45	.40	PTSA 0,5/4-2,5-Z	1990025
5	2.5	10	14	—	277-1797-ND	.61	.56	.49	PTSA 0,5/5-2,5-Z	1990038
6	2.5	12.5	16.5	—	277-1798-ND	.73	.66	.59	PTSA 0,5/6-2,5-Z	1990041
7	2.5	15	19	—	277-1799-ND	.85	.77	.68	PTSA 0,5/7-2,5-Z	1990054
8	2.5	17.5	21.5	—	277-1800-ND	.97	.88	.78	PTSA 0,5/8-2,5-Z	1990067
9	2.5	20	24	—	277-1801-ND	1.09	.98	.88	PTSA 0,5/9-2,5-Z	1990070
10	2.5	22.5	26.5	—	277-1802-ND	1.21	1.09	.97	PTSA 0,5/10-2,5-Z	1990083
11	2.5	25	29	—	277-1803-ND	1.33	1.20	1.07	PTSA 0,5/11-2,5-Z	1990096
12	2.5	27.5	31.5	—	277-1804-ND	1.45	1.31	1.16	PTSA 0,5/12-2,5-Z	1990106
13	2.5	30	34	—	277-1805-ND	1.58	1.43	1.27	PTSA 0,5/13-2,5-Z	1990119
14	2.5	32.5	36.5	—	277-1806-ND	1.70	1.53	1.36	PTSA 0,5/14-2,5-Z	1990122
15	2.5	35	39	—	277-1807-ND	1.82	1.64	1.46	PTSA 0,5/15-2,5-Z	1990135
16	2.5	37.5	41.5	—	277-1808-ND	1.94	1.75	1.56	PTSA 0,5/16-2,5-Z	1990148
17	2.5	40	44	—	277-1809-ND	2.07	1.87	1.66	PTSA 0,5/17-2,5-Z	1990151
18	2.5	42.5	46.5	—	277-1810-ND	2.19	1.98	1.76	PTSA 0,5/18-2,5-Z	1990164
19	2.5	45	49	—	277-1811-ND	2.31	2.09	1.85	PTSA 0,5/19-2,5-Z	1990177
20	2.5	47.5	51.5	—	277-1812-ND	2.43	2.19	1.95	PTSA 0,5/20-2,5-Z	1990180
21	2.5	50	54	—	277-1813-ND	2.55	2.30	2.04	PTSA 0,5/21-2,5-Z	1990193
22	2.5	52.5	56.5	—	277-1814-ND	2.69	2.42	2.15	PTSA 0,5/22-2,5-Z	1990203
23	2.5	55	59	—	277-1815-ND	2.79	2.51	2.24	PTSA 0,5/23-2,5-Z	1990229
24	2.5	57.5	61.5	—	277-1816-ND	2.91	2.62	2.33	PTSA 0,5/24-2,5-Z	1990232
Fig. 2 — 2.54mm Micro-Pitch Terminal Blocks										
2	2.54	2.54	5.54	1.50	277-1273-ND	1.24	1.12	1.00	MPT 0,5/2-2,54	1725656
3	2.54	5.08	8.08	1.50	277-1274-ND	1.88	1.70	1.51	MPT 0,5/3-2,54	1725689
4	2.54	7.62	10.62	1.50	277-1275-ND	2.51	2.26	2.01	MPT 0,5/4-2,54	1725672
5	2.54	10.16	13.16	1.50	277-1276-ND	3.13	2.82	2.51	MPT 0,5/5-2,54	1725685
6	2.54	12.70	15.70	1.50	277-1277-ND	3.75	3.38	3.00	MPT 0,5/6-2,54	1725698
7	2.54	15.24	18.24	1.50	277-1278-ND	4.36	3.93	3.49	MPT 0,5/7-2,54	1725708
8	2.54	17.78	20.78	1.50	277-1279-ND	5.03	4.53	4.03	MPT 0,5/8-2,54	1725711
9	2.54	20.32	23.32	1.50	277-1280-ND	5.63	5.07	4.51	MPT 0,5/9-2,54	1725724
10	2.54	22.86	25.86	1.50	277-1281-ND	6.27	5.65	5.02	MPT 0,5/10-2,54	1725737
11	2.54	25.40	28.40	1.50	277-1282-ND	6.89	6.21	5.52	MPT 0,5/11-2,54	1725740
12	2.54	27.94	30.94	1.50	277-1283-ND	7.53	6.79	6.03	MPT 0,5/12-2,54	1725753
Fig. 3 — 2.54mm Modular PCB Spring Cage Fixed Terminal Block — Horizontal Wire Entry										
1	—	—	2.54	0.90	277-1310-ND	.84	.76	.68	FFKDS/H-2,54	1791826
Fig. 3 — End Terminal Block for FFKDS/H-2.54										
1	—	—	5.08	0.90	277-1311-ND	1.35	1.22	1.08	FFKDSA 1/H-5,08	1791868
Fig. 4 — 2.54mm Modular PCB Spring Cage Fixed Terminal Block — Vertical Wire Entry										
1	—	—	2.54	0.90	277-1312-ND	.84	.76	.68	FFKDS/V-2,54	1791813
Fig. 4 — End Terminal Block for FFKDS/V-2.54										
1	—	—	5.08	0.90	277-1313-ND	1.29	1.17	1.04	FFKDSA 1/V-5,08	1791855
NEW! Fig. 5 — 3.5mm Connector Terminal Block NEW!										
2	3.5	3.5	7	1.75	277-1721-ND	.39	.36	.32	PT 1,5/2-3,5-H	1984617
3	3.5	7	10.5	1.75	277-1722-ND	.60	.54	.48	PT 1,5/3-3,5-H	1984620
4	3.5	10.5	14	1.75	277-1860-ND	.77	.69	.62	PT 1,5/4-3,5-H	1984633
5	3.5	14	17.5	1.75	277-1723-ND	.97	.88	.78	PT 1,5/5-3,5-H	1984646
6	3.5	17.5	21	1.75	277-1724-ND	1.16	1.04	.93	PT 1,5/6-3,5-H	1984659
7	3.5	21	24.5	1.75	277-1861-ND	1.36	1.23	1.09	PT 1,5/7-3,5-H	1984662
8	3.5	24.5	28	1.75	277-1725-ND	1.55	1.40	1.24	PT 1,5/8-3,5-H	1984675
9	3.5	28	31.5	1.75	277-1726-ND	1.75	1.58	1.41	PT 1,5/9-3,5-H	1984688
10	3.5	31.5	35	1.75	277-1727-ND	1.94	1.75	1.56	PT 1,5/10-3,5-H	1984691
11	3.5	35	38.5	1.75	277-1728-ND	2.13	1.92	1.70	PT 1,5/11-3,5-H	1984701
12	3.5	38.5	42	1.75	277-1729-ND	2.33	2.10	1.87	PT 1,5/12-3,5-H	1984714
13	3.5	42	45.5	1.75	277-1730-ND	2.52	2.27	2.02	PT 1,5/13-3,5-H	1984727
14	3.5	45.5	49	1.75	277-1731-ND	2.72	2.45	2.18	PT 1,5/14-3,5-H	1984730
15	3.5	49	52.5	1.75	277-1732-ND	2.91	2.62	2.33	PT 1,5/15-3,5-H	1984743
16	3.5	52.5	56	1.75	277-1733-ND	3.11	2.80	2.49	PT 1,5/16-3,5-H	1984756
NEW! Fig. 6 — 3.5mm Connector Terminal Block — Right Angle NEW!										
2	3.5	3.5	7	1.75	277-1734-ND	.43	.39	.34	PT 1,5/2-3,5-V	1984769
3	3.5	7	10.5	1.75	277-1735-ND	.65	.59	.52	PT 1,5/3-3,5-V	1984772
4	3.5	10.5	14	1.75	277-1736-ND	.85	.77	.68	PT 1,5/4-3,5-V	1984785
5	3.5	14	17.5	1.75	277-1737-ND	1.07	.97	.86	PT 1,5/5-3,5-V	1984798
6	3.5	17.5	21	1.75	277-1738-ND	1.29	1.17	1.04	PT 1,5/6-3,5-V	1984808
7	3.5	21	24.5	1.75	277-1739-ND	1.50	1.35	1.20	PT 1,5/7-3,5-V	1984811
8	3.5	24.5	28	1.75	277-1740-ND	1.72	1.55	1.38	PT 1,5/8-3,5-V	1984824
9	3.5	28	31.5	1.75	277-1741-ND	1.92	1.73	1.54	PT 1,5/9-3,5-V	1984837
10	3.5	31.5	35	1.75	277-1742-ND	2.14	1.93	1.72	PT 1,5/10-3,5-V	1984840
11	3.5	35	38.5	1.75	277-1743-ND	2.36	2.13	1.90	PT 1,5/11-3,5-V	1984853
12	3.5	38.5	42	1.75	277-1744-ND	2.57	2.31	2.06	PT 1,5/12-3,5-V	1984866
13	3.5	42	45.5	1.75	277-1745-ND	2.79	2.51	2.24	PT 1,5/13-3,5-V	1984879
14	3.5	45.5	49	1.75	277-1746-ND	2.99	2.70	2.40	PT 1,5/14-3,5-V	1984882
15	3.5	49	52.5	1.75	277-1747-ND	3.21	2.90	2.58	PT 1,5/15-3,5-V	1984895
16	3.5	52.5	56	1.75	277-1748-ND	3.43	3.10	2.75	PT 1,5/16-3,5-V	1984905
NEW! Fig. 7 — 3.5mm Connector Terminal Block — 45 Degree NEW!										
2	3.5	3.5	7	1.75	277-1779-ND	.39	.36	.32	PTA 1,5/2-3,5	1988956
3	3.5	7	10.5	1.75	277-1780-ND	.60	.54	.48	PTA 1,5/3-3,5	1988969
4	3.5	10.5	14	1.75	277-1781-ND	.77	.69	.62	PTA 1,5/4-3,5	1988972
5	3.5	14	17.5	1.75	277-1782-ND	.97	.88	.78	PTA 1,5/5-3,5	1988985
6	3.5	17.5	21	1.75	277-1783-ND	1.16	1.04	.93	PTA 1,5/6-3,5	1988998
7	3.5	21	24.5	1.75	277-1784-ND	1.36	1.23	1.09	PTA 1,5/7-3,5	1989007
8	3.5	24.5	28	1.75	277-1785-ND	1.55	1.40	1.24	PTA 1,5/8-3,5	1989010
9	3.5	28	31.5	1.75	277-1786-ND	1.75	1.58	1.41	PTA 1,5/9-3,5	1989023
10	3.5	31.5	35	1.75	277-1787-ND	1.94	1.75	1.56	PTA 1,5/10-3,5	1989036
11	3.5	35	38.5	1.75	277-1788-ND	2.13	1.92	1.70	PTA 1,5/11-3,5	1989049
12	3.5	38.5	42	1.75	277-1789-ND	2.33	2.10	1.87	PTA 1,5/12-3,5	1989052
13	3.5	42	45.5	1.75	277-1790-ND	2.52	2.27	2.02	PTA 1,5/13-3,5	1989065
14	3.5	45.5	49	1.75	277-1791-ND	2.72	2.45	2.18	PTA 1,5/14-3,5	1989078
15	3.5	49	52.5	1.75	277-1792-ND	2.91	2.62	2.33	PTA 1,5/15-3,5	1989081
16	3.5	52.5	56	1.75	277-1793-ND	3.11	2.80	2.49	PTA 1,5/16-3,5	1989094
Fig. 8 — 3.5mm PCB Terminal Blocks										
2	3.5	3.5	8.5	1.75	277-1622-ND	.24	.22	.20	PTSA 1,5/2-3,5-Z	1985195
3	3.5	7	12	1.75	277-1623-ND	.37	.34	.30	PTSA 1,5/3-3,5-Z	1985205
4	3.5	10.5	15.5	1.75	277-1624-ND	.49	.45	.40	PTSA 1,5/4-3,5-Z	1985218
5	3.5	14	19	1.75	277-1625-ND	.61	.56	.49	PTSA 1,5/5-3,5-Z	1985221
6	3.5	17.5	22.5	1.75	277-1626-ND	.73	.66	.59	PTSA 1,5/6-3,5-Z	1985234
7	3.5	21	26	1.75	277-1627-ND	.85	.77	.68	PTSA 1,5/7-3,5-Z	1985247
8	3.5	24.5	29.5	1.75	277-1628-ND	.97	.88	.78	PTSA 1,5/8-3,5-Z	1985250

(Continued)

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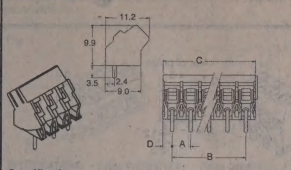
Multi-Level Terminal Blocks: With their small pitch, the two and three level MKKDS and MK3DS are ideal solutions due to the increasing packing and connection density on printed circuit boards. **Insulation Displacement Terminal Blocks:** The IDC printed circuit board terminal blocks mass terminate insulated conductors quickly without the need for tools.

RoHS COMPLIANT

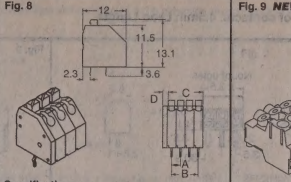
A

Fig. 7 ***NEW!***



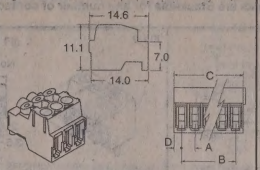
Specifications:
UL: 300V @ 10A, 16-26AWG
IEC: 160V @ 17.5A, 16-26AWG **Color:** Green

Fig. 8



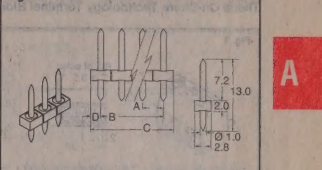
Specifications:
EN/VDE: 250V @ 2A, 16-20AWG
Color: Green

Fig. 9 ***NEW!***



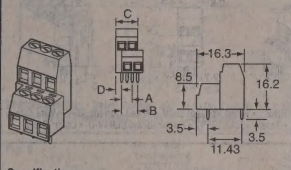
Specifications: UL: 300V @ 10A, 16-26AWG
IEC: 160V @ 8A, 16-26AWG **Color:** Green

Fig. 10 ***NEW!***



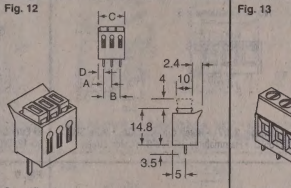
Specifications: UL: 300V @ 10A
IEC: 160V @ 8A **Color:** Black

Fig. 11



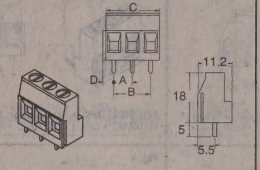
Specifications:
UL: 300V @ 10A, 16-30AWG
IEC: 125V @ 10A, 16-26AWG **Color:** Green

Fig. 12



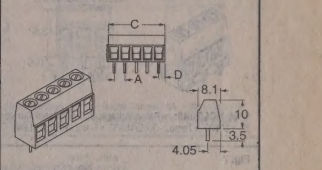
Specifications:
UL: 300V @ 5A, 22-28AWG
IEC: 125V @ 5A, 22-26AWG **Color:** Green

Fig. 13



Specifications:
UL: 300V @ 15A, 12-30AWG
IEC: 250V @ 32A, 12-24AWG **Color:** Green

Fig. 14



Specifications:
UL: 300V @ 10A, 14-30AWG
IEC: 250V @ 16A, 16-26AWG **Color:** Green

No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
9	3.5	28	33	1.75	277-1629-ND	1.09	.98	.88	PTSA 1.5/9-3.5-Z	1985263
10	3.5	31.5	36.5	1.75	277-1630-ND	1.21	1.09	.97	PTSA 1.5/10-3.5-Z	1985276
11	3.5	35	40	1.75	277-1631-ND	1.33	1.20	1.07	PTSA 1.5/11-3.5-Z	1985289
12	3.5	38.5	43.5	1.75	277-1632-ND	1.45	1.31	1.16	PTSA 1.5/12-3.5-Z	1985292
13	3.5	42	47	1.75	277-1633-ND	1.58	1.43	1.27	PTSA 1.5/13-3.5-Z	1985302
14	3.5	45.5	50.5	1.75	277-1634-ND	1.70	1.53	1.36	PTSA 1.5/14-3.5-Z	1985315
15	3.5	49	54	1.75	277-1635-ND	1.82	1.64	1.46	PTSA 1.5/15-3.5-Z	1985328
16	3.5	52.5	57.5	1.75	277-1636-ND	1.94	1.75	1.56	PTSA 1.5/16-3.5-Z	1985331
17	3.5	56	61	1.75	277-1637-ND	2.07	1.87	1.66	PTSA 1.5/17-3.5-Z	1985344
18	3.5	59.5	64.5	1.75	277-1638-ND	2.19	1.98	1.76	PTSA 1.5/18-3.5-Z	1985357
19	3.5	63	68	1.75	277-1639-ND	2.31	2.09	1.85	PTSA 1.5/19-3.5-Z	1985360
20	3.5	66.5	71.5	1.75	277-1640-ND	2.43	2.19	1.95	PTSA 1.5/20-3.5-Z	1985373
21	3.5	70	75	1.75	277-1641-ND	2.55	2.30	2.04	PTSA 1.5/21-3.5-Z	1985386
22	3.5	73.5	78.5	1.75	277-1642-ND	2.69	2.42	2.15	PTSA 1.5/22-3.5-Z	1985399
23	3.5	77	82	1.75	277-1643-ND	2.79	2.51	2.24	PTSA 1.5/23-3.5-Z	1985409
24	3.5	80.5	85.5	1.75	277-1644-ND	2.91	2.62	2.33	PTSA 1.5/24-3.5-Z	1985412
NEW! Fig. 9 — 3.5mm Connector Terminal Block Plug NEW!										
2	3.5	3.5	7	1.75	277-1706-ND	.37	.34	.30	PT 1.5/2-PVH-3.5	1984015
3	3.5	7	10.5	1.75	277-1707-ND	.56	.51	.45	PT 1.5/3-PVH-3.5	1984028
4	3.5	10.5	14	1.75	277-1708-ND	.75	.68	.60	PT 1.5/4-PVH-3.5	1984031
5	3.5	14	17.5	1.75	277-1709-ND	.94	.85	.75	PT 1.5/5-PVH-3.5	1984044
6	3.5	17.5	21	1.75	277-1710-ND	1.14	1.03	.92	PT 1.5/6-PVH-3.5	1984057
7	3.5	21	24.5	1.75	277-1711-ND	1.33	1.20	1.07	PT 1.5/7-PVH-3.5	1984060
8	3.5	24.5	28	1.75	277-1712-ND	1.51	1.37	1.22	PT 1.5/8-PVH-3.5	1984073
9	3.5	28	31.5	1.75	277-1713-ND	1.70	1.53	1.36	PT 1.5/9-PVH-3.5	1984086
10	3.5	31.5	35	1.75	277-1714-ND	1.89	1.70	1.51	PT 1.5/10-PVH-3.5	1984099
11	3.5	35	38.5	1.75	277-1715-ND	2.07	1.87	1.66	PT 1.5/11-PVH-3.5	1984109
12	3.5	38.5	42	1.75	277-1716-ND	2.26	2.04	1.81	PT 1.5/12-PVH-3.5	1984112
13	3.5	42	45.5	1.75	277-1717-ND	2.45	2.21	1.96	PT 1.5/13-PVH-3.5	1984125
14	3.5	45.5	49	1.75	277-1718-ND	2.64	2.38	2.11	PT 1.5/14-PVH-3.5	1984138
15	3.5	49	52.5	1.75	277-1719-ND	2.82	2.54	2.26	PT 1.5/15-PVH-3.5	1984141
16	3.5	52.5	56	1.75	277-1720-ND	3.01	2.71	2.41	PT 1.5/16-PVH-3.5	1984154
NEW! Fig. 10 — 3.5mm Terminal Block Headers NEW!										
2	3.5	3.5	7	1.75	277-1749-ND	.14	.13	.11	PST 1.0/2-3.5	1945096
3	3.5	7	10.5	1.75	277-1750-ND	.22	.20	.18	PST 1.0/3-3.5	1945106
4	3.5	10.5	14	1.75	277-1751-ND	.29	.26	.24	PST 1.0/4-3.5	1945119
5	3.5	14	17.5	1.75	277-1752-ND	.36	.33	.29	PST 1.0/5-3.5	1945122
6	3.5	17.5	21	1.75	277-1753-ND	.43	.39	.34	PST 1.0/6-3.5	1945135
7	3.5	21	24.5	1.75	277-1754-ND	.51	.46	.41	PST 1.0/7-3.5	1945148
8	3.5	24.5	28	1.75	277-1755-ND	.58	.52	.47	PST 1.0/8-3.5	1945151
9	3.5	28	31.5	1.75	277-1756-ND	.65	.59	.52	PST 1.0/9-3.5	1945164
10	3.5	31.5	35	1.75	277-1757-ND	.71	.65	.58	PST 1.0/10-3.5	1945177
11	3.5	35	38.5	1.75	277-1758-ND	.80	.72	.64	PST 1.0/11-3.5	1945180
12	3.5	38.5	42	1.75	277-1759-ND	.87	.78	.70	PST 1.0/12-3.5	1945193
13	3.5	42	45.5	1.75	277-1760-ND	.94	.85	.75	PST 1.0/13-3.5	1945203
14	3.5	45.5	49	1.75	277-1761-ND	1.00	.91	.81	PST 1.0/14-3.5	1945216
15	3.5	49	52.5	1.75	277-1762-ND	1.09	.98	.88	PST 1.0/15-3.5	1945229
16	3.5	52.5	56	1.75	277-1763-ND	1.16	1.04	.93	PST 1.0/16-3.5	1945232
Fig. 11 — 3.81mm Double Level Terminal Blocks										
2	3.81	3.81	7.62	1.90	277-1356-ND	3.12	2.81	2.50	MKKDS 1/2-3.81	1708026
3	3.81	7.62	11.43	1.90	277-1357-ND	4.66	4.20	3.73	MKKDS 1/3-3.81	1708039
4	3.81	11.43	15.24	1.90	277-1358-ND	6.24	5.62	5.00	MKKDS 1/4-3.81	1708042

No. of Pos.	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Phoenix Contact Type No.	Phoenix Contact Part No.
5	3.81	15.24	19.05	1.90	277-1359-ND	7.78	7.01	6.23	MKKDS 1/5-3.81	1708055
6	3.81	19.05	22.86	1.90	277-1360-ND	9.35	8.42	7.48	MKKDS 1/6-3.81	1708068
7	3.81	22.86	26.67	1.90	277-1361-ND	10.91	9.83	8.74	MKKDS 1/7-3.81	1708071
8	3.81	26.67	30.48	1.90	277-1362-ND	12.48	11.24	9.99	MKKDS 1/8-3.81	1708084
9	3.81	30.48	34.29	1.90	277-1363-ND	14.03	12.63	11.23	MKKDS 1/9-3.81	1708107
10	3.81	34.29	38.10	1.90	277-1364-ND	15.60	14.05	12.49	MKKDS 1/10-3.81	1708110
11	3.81	38.10	41.91	1.90	277-1365-ND	17.15	15.44	13.73	MKKDS 1/11-3.81	1708123
12	3.81	41.91	45.72	1.90	277-1366-ND	18.71	16.84	14.97	MKKDS 1/12-3.81	1708136
Fig. 12 — 3.81mm Insulation Displacement Terminal Blocks										
2	3.81	3.81	8.81	2.50	277-1417-ND	.98	.89	.79	IDC 0.3/2-3.81	1706170
3	3.81	7.62	12.62	2.50	277-1418-ND	1.47	1.33	1.18	IDC 0.3/3-3.81	1706183
4	3.81	11.43	16.43	2.50	277-1419-ND	1.96	1.77	1.57	IDC 0.3/4-3.81	1706196
5	3.81	15.24	20.24	2.50	277-1420-ND	2.45	2.21	1.97	IDC 0.3/5-3.81	1706206
6	3.81	19.05	24.05	2.50	277-1421-ND	2.94	2.65	2.36	IDC 0.3/6-3.81	1706219
7	3.81	22.86	27.86	2.50	277-1422-ND	3.43	3.09	2.75	IDC 0.3/7-3.81	1706222
8	3.81	26.67	31.67	2.50	277-1423-ND	3.92	3.54	3.14	IDC 0.3/8-3.81	1706235
9	3.81	30.48	35.48	2.50	277-1424-ND	4.41	3.98	3.54	IDC 0.3/9-3.81	1706248
10	3.81	34.29	39.29	2.50	277-1425-ND	4.91	4.42	3.93	IDC 0.3/10-3.81	1706251
11	3.81	38.10	43.10	2.50	277-1426-ND	5.40	4.86	4.32	IDC 0.3/11-3.81	1706264
12	3.81	41.91	46.91	2.50	277-1427-ND	5.89	5.30	4.71	IDC 0.3/12-3.81	1706277
Fig. 13 — 5.0mm PCB Connector Terminal Block										
2	5.0	5	10	2.5	277-1022-ND	1.59	1.44	1.28	MKDS 3/2	1711026
3	5.0	10	15	2.5	277-1023-ND	2.41	2.18	1.93	MKDS 3/3	1711039
4	5.0	15	20	2.5	277-1024-ND	3.19	2.87	2.56	MKDS 3/4	1711042
8	5.0	35	40	2.5	277-1025-ND	6.39	5.76	5.12	MKDS 3/8	1711084
12	5.0	55	60	2.5	277-1026-ND	9.54	8.59	7.63	MKDS 3/12	1711123
Fig. 13 — 5.08mm PCB Connector Terminal Block										
2	5.08	5.08	10.16	2.54	277-1027-ND	1.58	1.43	1.27	MKDS 3/2-5.08	1711725
3	5.08	10.16	15.24	2.54	277-1028-ND	2.40	2.16	1.92	MKDS 3/3-5.08	1711738
Fig. 14 — 5.0mm PCB Connector Terminal Block										
2	5.0	—	10	2.5	277-1236-ND	.84	.76	.68	MKDSN 1.5/2	1729018
3	5.0	—	15	2.5	277-1237-ND	1.29	1.17	1.04	MKDSN 1.5/3	1729021
4	5.0	—	20	2.5	277-1238-ND	1.69	1.53	1.36	MKDSN 1.5/4	1729034
5	5.0	—	25	2.5	277-1239-ND	2.11	1.91	1.69	MKDSN 1.5/5	1729047
6	5.0	—	30	2.5	277-1240-ND	2.55	2.30	2.04	MKDSN 1.5/6	1729050
7	5.0	—	35	2.5	277-1241-ND	3.01	2.71	2.41	MKDSN 1.5/7	1729063
8	5.0	—	40	2.5	277-1242-ND	3.42	3.08	2.74	MKDSN 1.5/8	1729076
9	5.0	—	45	2.5	277-1243-ND	3.84	3.46	3.08	MKDSN 1.5/9	1729089
10	5.0	—	50	2.5	277-1244-ND	4.26	3.84	3.42	MKDSN 1.5/10	1729092
11	5.0	—	55	2.5	277-1245-ND	4.67	4.21	3.74	MKDSN 1.5/11	1729102
12	5.0	—	60	2.5	277-1246-ND	5.12	4.62	4.10	MKDSN 1.5/12	1729115
Fig. 14 — 5.08mm PCB Connector Terminal Block										
2	5.08	—	10.16	2.54	277-1247-ND	.84	.76	.68	MKDSN 1.5/2-5.08	1729128
3	5.08	—	15.24	2.54	277-1248-ND	1.29	1.17	1.04	MKDSN 1.5/3-5.08	1729131
4	5.08	—	20.32	2.54	277-1249-ND	1.69	1.53	1.36	MKDSN 1.5/4-5.08	1729144
5	5.08	—	25.40	2.54	277-1250-ND	2.10	1.89	1.68	MKDSN 1.5/5-5.08	1729157
6	5.08	—	30.48	2.54	277-1251-ND	2.55	2.30	2.04	MKDSN 1.5/6-5.08	1729160
7	5.08	—	35.56	2.54	277-1252-ND	3.01	2.71	2.41	MKDSN 1.5/7-5.08	1729173
8	5.08	—	40.64	2.54	277-1253-ND	3.42	3.08	2.74	MKDSN 1.5/8-5.08	1729186
9	5.08	—	45.72	2.54	277-1254-ND	3.84	3.46	3.08	MKDSN 1.5/9-5.08	1729199
10	5.08	—	50.80	2.54	277-1255-ND	4.26	3.84	3.42	MKDSN 1.5/10-5.08	1729209
11	5.08	—	55.88	2.54	277-1256-ND	4.67	4.21	3.74	MKDSN 1.5/11-5.08	1729212
12	5.08	—	60.96	2.54	277-1257-ND	5.12	4.62	4.10	MKDSN 1.5/12-5.08	1729225

ON-SHORE TECHNOLOGY, INC.

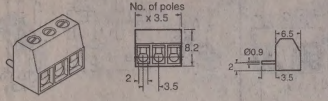
Terminal Blocks

UL# E101811, 86ME2081

CSA# 068503X0000

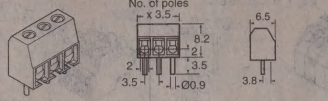
These On-Shore Technology Terminal Blocks are Stackable for any number of contacts. 4.5mm Lead Length.

Fig. 1



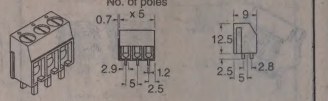
SPECIFICATIONS: • Rated Voltage: 125V • Rated Current: 6A • Wire Size: 28-16AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Gray

Fig. 2



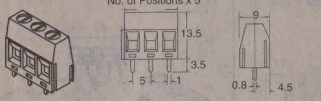
SPECIFICATIONS: • Rated Voltage: 125V • Rated Current: 6A • Wire Size: 28-16AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Gray

Fig. 3



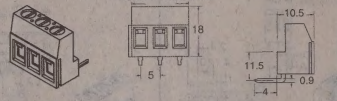
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: 22-12AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Gray

Fig. 4



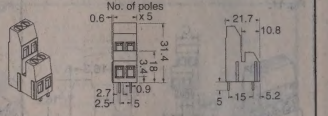
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 16A • Wire Size: 28-12AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Green

Fig. 5



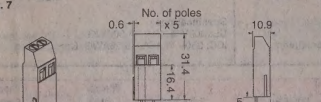
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 20A • Wire Size: 22-14AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Green

Fig. 6



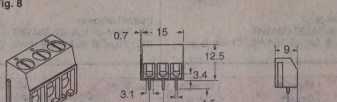
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 20A • Wire Size: 30-12AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Green

Fig. 7



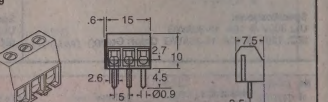
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 20A • Wire Size: 30-12AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Green

Fig. 8



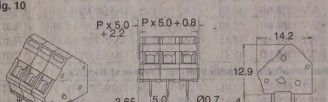
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: AWG 22-14 • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Blue

Fig. 9



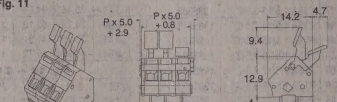
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: AWG 22-14 • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Blue

Fig. 10



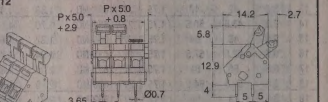
SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: 28-14AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Slate Gray

Fig. 11



SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: 28-14AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Slate Gray

Fig. 12



SPECIFICATIONS: • Rated Voltage: 300V • Rated Current: 15A • Wire Size: 28-14AWG • Temp.: -30°C/105°C • Flammability: UL94V-O • Color: Slate Gray

Fig.	No. of Pos.	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
			3.5mm Lead Spacing - Terminal Blocks			
1	2	7.0	ED1501-ND	.45	.41	.36
	3	10.5	ED1502-ND	.67	.61	.54
	4	14.0	ED1503-ND	.90	.81	.72
	5	17.5	ED1504-ND	1.12	1.01	.90
	6	21.0	ED1505-ND	1.35	1.22	1.08
	7	24.5	ED1506-ND	1.57	1.42	1.26
	8	28.0	ED1507-ND	1.79	1.62	1.44
	9	31.5	ED1508-ND	2.02	1.82	1.62
	10	35.0	ED1509-ND	2.24	2.02	1.80
	11	38.5	ED1510-ND	2.47	2.22	1.98
	12	42.0	ED1511-ND	2.69	2.42	2.15
	14	49.0	ED1512-ND	3.14	2.83	2.51
	16	56.0	ED1513-ND	3.59	3.23	2.87
2	2	7.0	ED1514-ND	.45	.41	.36
	3	10.5	ED1515-ND	.67	.61	.54
	4	14.0	ED1516-ND	.90	.81	.72
	5	17.5	ED1517-ND	1.12	1.01	.90
	6	21.0	ED1518-ND	1.35	1.22	1.08
	7	24.5	ED1519-ND	1.57	1.42	1.26
	8	28.0	ED1520-ND	1.79	1.62	1.44
	9	31.5	ED1521-ND	2.02	1.82	1.62
	10	35.0	ED1522-ND	2.24	2.02	1.80
	11	38.5	ED1523-ND	2.47	2.22	1.98
	12	42.0	ED1524-ND	2.69	2.42	2.15
	14	49.0	ED1525-ND	3.14	2.83	2.51
	16	56.0	ED1526-ND	3.59	3.23	2.87
			5.0mm Lead Spacing - Terminal Blocks			
3	2	10.0	ED1556-ND	.73	.66	.59
	3	15.0	ED1557-ND	1.09	.99	.88
	4	20.0	ED1558-ND	1.46	1.31	1.17
	5	25.0	ED1559-ND	1.82	1.64	1.46
	6	30.0	ED1560-ND	2.19	1.97	1.75
	7	35.0	ED1561-ND	2.55	2.30	2.04
	8	40.0	ED1562-ND	2.91	2.63	2.33

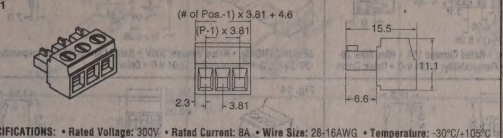
Fig.	No. of Pos.	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
3	9	45.0	ED1563-ND	3.28	2.95	2.62
	10	50.0	ED1564-ND	3.64	3.28	2.92
	11	55.0	ED1565-ND	4.01	3.61	3.21
	12	60.0	ED1566-ND	4.37	3.94	3.50
4	2	10.0	ED1930-ND	.62	.56	.50
	3	15.0	ED1931-ND	.93	.84	.74
5	2	10.0	ED1932-ND	.98	.89	.79
	3	15.0	ED1933-ND	1.47	1.33	1.18
6	2	10.0	ED1578-ND	2.24	2.02	1.80
	4	20.0	ED1580-ND	4.48	4.04	3.59
	5	25.0	ED1581-ND	5.60	5.04	4.48
	6	30.0	ED1582-ND	6.72	6.05	5.38
	7	35.0	ED1583-ND	7.84	7.06	6.28
	8	40.0	ED1584-ND	8.96	8.07	7.17
	9	45.0	ED1585-ND	10.08	9.08	8.07
	10	50.0	ED1586-ND	11.20	10.08	8.96
	11	55.0	ED1587-ND	12.32	11.09	9.86
	12	60.0	ED1588-ND	13.44	12.10	10.76
7	2	10.0	ED1589-ND	1.37	1.24	1.10
	4	20.0	ED1591-ND	2.75	2.48	2.20
	6	30.0	ED1593-ND	4.12	3.71	3.30
	8	40.0	ED1595-ND	5.49	4.94	4.39
	10	50.0	ED1597-ND	6.86	6.18	5.49
	12	60.0	ED1599-ND	8.23	7.41	6.59
8	2	10.0	ED1601-ND	.38	.35	.31
	3	15.0	ED1602-ND	.58	.52	.46
	4	20.0	ED2233-ND	.77	.70	.62
	6	30.0	ED2234-ND	1.16	1.05	.93
	8	40.0	ED2235-ND	1.55	1.40	1.24
	12	60.0	ED2236-ND	2.32	2.09	1.86
9	2	10.0	ED1623-ND	.42	.38	.34
	3	15.0	ED1624-ND	.62	.56	.50
	4	20.0	ED2221-ND	.83	.75	.67
	5	25.0	ED2222-ND	1.04	.94	.83
	6	30.0	ED2223-ND	1.24	1.12	1.00

Fig.	No. of Pos.	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
9	7	35.0	ED2224-ND	1.45	1.31	1.16
	10	50.0	ED2225-ND	2.07	1.87	1.66
	12	60.0	ED2226-ND	2.49	2.24	1.99
10	2	10.0	ED2237-ND	.67	.61	.54
	3	15.0	ED2238-ND	1.01	.91	.81
	4	20.0	ED2239-ND	1.35	1.22	1.08
	5	25.0	ED2240-ND	1.68	1.52	1.35
	6	30.0	ED2241-ND	2.02	1.82	1.62
	7	35.0	ED2242-ND	2.35	2.12	1.89
	8	40.0	ED2243-ND	2.69	2.42	2.15
	9	45.0	ED2244-ND	3.03	2.73	2.42
	10	50.0	ED2245-ND	3.36	3.03	2.69
	11	55.0	ED2246-ND	3.70	3.33	2.96
	12	60.0	ED2247-ND	4.03	3.63	3.23
11	2	10.0	ED2248-ND	.81	.74	.65
	3	15.0	ED2249-ND	1.22	1.10	.98
	4	20.0	ED2250-ND	1.63	1.47	1.30
	5	25.0	ED2251-ND	2.03	1.83	1.63
	6	30.0	ED2252-ND	2.44	2.20	1.95
	7	35.0	ED2253-ND	2.84	2.56	2.28
	8	40.0	ED2254-ND	3.25	2.93	2.60
	9	45.0	ED2255-ND	3.66	3.29	2.93
	10	50.0	ED2256-ND	4.06	3.66	3.25
	11	55.0	ED2257-ND	4.47	4.02	3.58
	12	60.0	ED2258-ND	4.87	4.39	3.90
12	2	10.0	ED2259-ND	.81	.74	.65
	3	15.0	ED2260-ND	1.22	1.10	.98
	4	20.0	ED2261-ND	1.63	1.47	1.30
	5	25.0	ED2262-ND	2.03	1.83	1.63
	6	30.0	ED2263-ND	2.44	2.20	1.95
	7	35.0	ED2265-ND	2.84	2.56	2.28
	8	40.0	ED2266-ND	3.25	2.93	2.60
	9	45.0	ED2267-ND	3.66	3.29	2.93
	10	50.0	ED2268-ND	4.06	3.66	3.25
	11	55.0	ED2269-ND	4.47	4.02	3.58
	12	60.0	ED2270-ND	4.87	4.39	3.90

Two-Piece Terminal Blocks

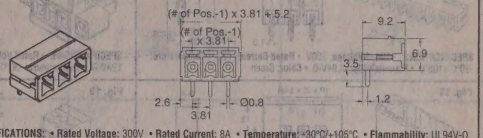
Housings: PCB Mini-Terminal Block housings are precision molded from self-extinguishing 6.6 polyimide (nylon) molding material. All housings have funnel shaped wire entry guides to prevent wire fraying and minimize misconnections.

Fig. 1



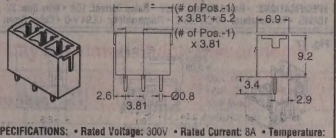
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 8A • **Wire Size:** 28-16AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 2



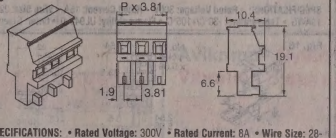
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 8A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 3



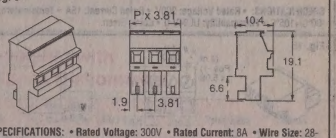
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 8A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 4



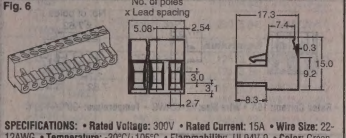
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 8A • **Wire Size:** 28-16AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 5



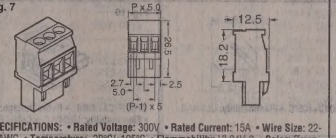
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 8A • **Wire Size:** 28-16AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 6



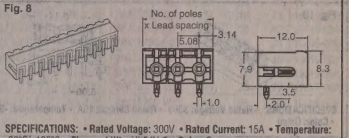
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-12AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 7



SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-10AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 8



SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

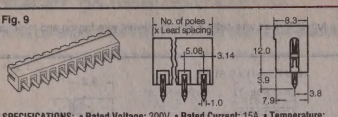
Fig.	No. of Poles	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
3.81mm Lead Spacing – Plugs						
1	2	8.41	ED1960-ND	1.29	1.16	1.03
	3	12.22	ED1961-ND	1.93	1.74	1.55
	4	16.03	ED1962-ND	2.58	2.32	2.06
	5	19.84	ED1963-ND	3.22	2.90	2.58
	6	23.65	ED1964-ND	3.87	3.48	3.10
	7	27.46	ED1965-ND	4.51	4.06	3.61
	8	31.27	ED1966-ND	5.15	4.64	4.13
	9	35.08	ED1967-ND	5.80	5.22	4.64
	10	38.89	ED1968-ND	6.44	5.80	5.16
	11	42.70	ED1969-ND	7.09	6.38	5.67
	12	46.51	ED1970-ND	7.73	6.96	6.19
	14	54.13	ED1971-ND	9.02	8.12	7.22
	16	61.75	ED1972-ND	10.31	9.28	8.25
3.81mm Lead Spacing — Horiz. Header						
2	2	9.01	ED1934-ND	.56	.51	.45
	3	12.82	ED1935-ND	.84	.76	.68
	4	16.63	ED1936-ND	1.12	1.01	.90
	5	20.44	ED1937-ND	1.40	1.26	1.12
	6	24.25	ED1938-ND	1.68	1.52	1.35
	7	28.06	ED1939-ND	1.96	1.77	1.57
	8	31.87	ED1940-ND	2.24	2.02	1.80
	9	35.68	ED1941-ND	2.52	2.27	2.02
	10	39.49	ED1942-ND	2.80	2.52	2.24
	11	43.30	ED1943-ND	3.08	2.78	2.47
	12	47.11	ED1944-ND	3.36	3.03	2.69
	14	54.73	ED1945-ND	3.92	3.53	3.14
	16	63.35	ED1946-ND	4.48	4.04	3.59
3.81mm Lead Spacing — Vert. Header						
3	2	9.01	ED1847-ND	.56	.51	.45
	3	12.82	ED1948-ND	.84	.76	.68
	4	16.63	ED1949-ND	1.12	1.01	.90
	5	20.44	ED1950-ND	1.40	1.26	1.12
	6	24.25	ED1951-ND	1.68	1.52	1.35
	7	28.06	ED1952-ND	1.96	1.77	1.57
	8	31.87	ED1953-ND	2.24	2.02	1.80
	9	35.68	ED1954-ND	2.52	2.27	2.02
	10	39.49	ED1955-ND	2.80	2.52	2.24
	11	43.30	ED1956-ND	3.08	2.78	2.47
	12	47.11	ED1957-ND	3.36	3.03	2.69
	14	54.73	ED1958-ND	3.92	3.53	3.14
	16	63.35	ED1959-ND	4.48	4.04	3.59
3.81mm Lead Spacing — Plugs						
4	2	7.62	ED2454-ND	1.01	.91	.81
	3	11.43	ED2455-ND	1.51	1.37	1.21
	4	15.24	ED2456-ND	2.02	1.82	1.62
	5	19.05	ED2457-ND	2.52	2.27	2.02
	6	22.86	ED2458-ND	3.03	2.73	2.42
	7	26.67	ED2459-ND	3.53	3.18	2.83
	8	30.48	ED2460-ND	4.03	3.63	3.23
	9	34.29	ED2461-ND	4.54	4.09	3.63
	10	38.10	ED2462-ND	5.04	4.54	4.04
	12	45.72	ED2463-ND	6.05	5.45	4.84
	14	53.34	ED2464-ND	7.06	6.35	5.65
	16	60.96	ED2465-ND	8.07	7.26	6.46
3.81mm Lead Spacing — Plugs						
5	2	7.62	ED2466-ND	1.01	.91	.81
	3	11.43	ED2467-ND	1.51	1.37	1.21
	4	15.24	ED2468-ND	2.02	1.82	1.62
	5	19.05	ED2469-ND	2.52	2.27	2.02
	6	22.86	ED2470-ND	3.03	2.73	2.42
	7	26.67	ED2471-ND	3.53	3.18	2.83
	8	30.48	ED2472-ND	4.03	3.63	3.23
	9	34.29	ED2473-ND	4.54	4.09	3.63
	10	38.10	ED2474-ND	5.04	4.54	4.04
	12	45.72	ED2475-ND	6.05	5.45	4.84
	14	53.34	ED2476-ND	7.06	6.35	5.65
	16	60.96	ED2477-ND	8.07	7.26	6.46
5mm Lead Spacing — Plugs						
6	2	10	ED1701-ND*	1.04	.93	.82
	3	15	ED1702-ND*	1.57	1.40	1.23
	4	20	ED1703-ND*	1.79	1.62	1.44
	5	25	ED1704-ND*	2.24	2.02	1.80
	6	30	ED1705-ND*	2.69	2.42	2.15
	7	35	ED1706-ND*	3.14	2.83	2.51
	8	40	ED1707-NQ*	3.59	3.23	2.87
	9	45	ED1708-ND*	4.03	3.63	3.23
	10	50	ED1709-ND*	4.48	4.04	3.59
	11	55	ED1710-ND*	4.93	4.44	3.95
	12	60	ED1711-ND*	5.38	4.84	4.30
	14	70	ED1712-ND*	6.27	5.65	5.02
	16	80	ED1713-ND*	7.17	6.46	5.74
	18	90	ED1714-ND*	8.07	7.26	6.46
	20	100	ED1715-ND*	8.96	8.07	7.17
	24	120	ED1716-ND*	10.75	9.68	8.61
5mm Lead Spacing — Plugs						
7	2	10	ED2376-ND	1.46	1.31	1.17
	3	15	ED2377-ND	2.19	1.97	1.75
	4	20	ED2378-ND	2.91	2.63	2.33
	5	25	ED2379-ND	3.64	3.28	2.92
	6	30	ED2380-ND	4.37	3.94	3.50
	7	35	ED2381-ND	5.10	4.59	4.08
	8	40	ED2382-ND	5.83	5.25	4.66
	9	45	ED2383-ND	6.55	5.90	5.25
	10	50	ED2384-ND	7.28	6.56	5.83
	12	60	ED2385-ND	8.74	7.87	6.99
	14	70	ED2386-ND	10.19	9.18	8.16
	16	80	ED2387-ND	11.65	10.49	9.32
5mm Lead Spacing — Horiz. Headers						
8	2	10	ED1801-ND†	.38	.34	.30
	3	15	ED1802-ND†	.57	.52	.46
	4	20	ED1803-ND†	.77	.69	.61
	5	25	ED1804-ND†	.96	.86	.75
	6	30	ED1805-ND†	1.15	1.03	.90
	7	35	ED1806-ND†	1.34	1.20	1.05
	8	40	ED1807-ND†	1.53	1.37	1.21
	9	45	ED1808-ND†	1.72	1.54	1.35
	10	50	ED1809-ND†	1.91	1.71	1.50
	11	55	ED1810-ND†	2.10	1.88	1.65
	12	60	ED1811-ND†	2.29	2.05	1.80
	14	70	ED1812-ND†	2.68	2.39	2.10
	16	80	ED1813-ND†	3.06	2.73	2.40
	18	90	ED1814-ND†	3.44	3.08	2.70
	20	100	ED1815-ND†	3.83	3.42	3.00
	24	120	ED1816-ND†	4.59	4.10	3.60
5mm Lead Spacing — Vert. Headers ‡						
9	2	10	ED1833-ND†	.38	.34	.30
	3	15	ED1834-ND†	.57	.52	.46
	4	20	ED1835-ND†	.77	.69	.61
	5	25	ED1836-ND†	.96	.86	.75
	6	30	ED1837-ND†	1.15	1.03	.90
	7	35	ED1838-ND†	1.34	1.20	1.05
	8	40	ED1839-ND†	1.53	1.37	1.21
	9	45	ED1840-ND†	1.72	1.54	1.35
	10	50	ED1841-ND†	1.91	1.71	1.50
	11	55	ED1842-ND†	2.10	1.88	1.65
	12	60	ED1843-ND†	2.29	2.05	1.80
	14	70	ED1844-ND†	2.68	2.39	2.10
	16	80	ED1845-ND†	3.06	2.73	2.40
	18	90	ED1846-ND†	3.44	3.08	2.70
	20	100	ED1847-ND†	3.83	3.42	3.00
	24	120	ED1848-ND†	4.59	4.10	3.60
5.08mm Lead Spacing — Plugs						
6	2	10.16	ED1717-ND*	1.04	.93	.82
	3	15.24	ED1718-ND*	1.57	1.40	1.23
	4	20.32	ED1719-ND*	2.09	1.87	1.64
	5	25.40	ED1720-ND*	2.62	2.33	2.05
	6	30.48	ED1721-ND*	3.14	2.80	2.45
	7	35.56	ED1722-ND*	3.66	3.26	2.86
	8	40.64	ED1723-ND*	4.18	3.73	3.27
	9	45.72	ED1724-ND*	4.71	4.19	3.68
	10	50.80	ED1725-ND*	5.23	4.66	4.09
	11	55.88	ED1726-ND*	5.75	5.12	4.49
	12	60.96	ED1727-ND*	6.27	5.59	4.90
	14	71.12	ED1728-ND*	7.32	6.45	5.72
	16	81.28	ED1729-ND*	8.36	7.36	6.54
	18	91.44	ED1730-ND*	9.41	8.29	7.35
	20	101.60	ED1731-ND*	10.45	9.21	8.17
	24	121.92	ED1732-ND*	12.54	11.05	9.80
5.08mm Lead Spacing — Plugs						
10	2	20.32	ED2409-ND	1.40	1.26	1.12
	3	25.40	ED2410-ND	2.10	1.89	1.68
	4	30.48	ED2411-ND	2.80	2.52	2.24
	5	35.56	ED2412-ND	3.50	3.15	2.80
	6	40.64	ED2413-ND	4.20	3.78	3.36
	7	45.72	ED2414-ND	4.90	4.41	3.92
	8	50.80	ED2415-ND	5.60	5.04	4.48
	9	55.88	ED2416-ND	6.30	5.67	5.04
	10	60.96	ED2417-ND	7.00	6.30	5.60
5.08mm Lead Spacing — Horiz. Headers						
11	2	10.16	ED1817-ND†	.38	.34	.30
	3	15.24	ED1818-ND†	.57	.52	.46
	4	20.32	ED1819-ND†	.77	.69	.61
	5	25.40	ED1820-ND†	.96	.86	.75
	6	30.48	ED1821-ND†	1.15	1.03	.90
	7	35.56	ED1822-ND†	1.34	1.20	1.05
	8	40.64	ED1823-ND†	1.53	1.37	1.21
	9	45.72	ED1824-ND†	1.72	1.54	1.35
	10	50.80	ED1825-ND†	1.91	1.71	1.50
	11	55.88	ED1826-ND†	2.10	1.88	1.65
	12	60.96	ED1827-ND†	2.29	2.05	1.80
	14	71.12	ED1828-ND†	2.68	2.39	2.10
	16	81.28	ED1829-ND†	3.06	2.73	2.40
	18	91.44	ED1830-ND†	3.44	3.08	2.70
	20	101.60	ED1831-ND†	3.83	3.42	3.00
	24	121.92	ED1832-ND†	4.59	4.10	3.60
5.08mm Lead Spacing — Horiz. Headers						
12	2	20.32	ED2427-ND	1.68	1.52	1.35
	3	25.40	ED2428-ND	1.68	1.52	1.35
	4	30.48	ED2429-ND	2.24	2.02	1.80
	5	35.56	ED2430-ND	2.80	2.52	2.24

* Use Keying Star ED1901-ND † Use Keying Star ED1902-ND ‡ Drawing shows 5.08 pitch

(Continued)

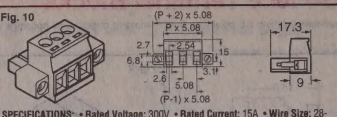
A

Fig. 9



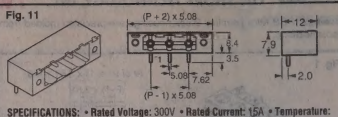
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 10



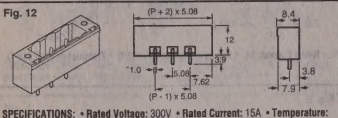
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 28-12AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94 V-0 • **Color:** Green

Fig. 11



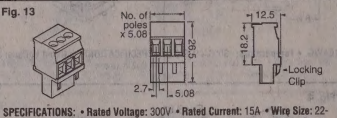
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94 V-0 • **Color:** Green

Fig. 12



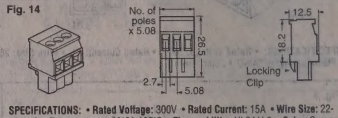
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 13



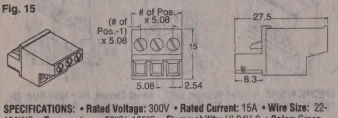
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-10AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 14



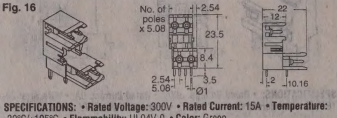
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-10AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94 V-0 • **Color:** Green

Fig. 15



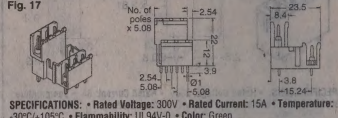
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-12AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 16



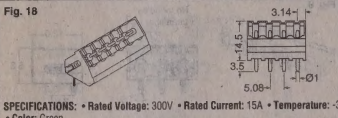
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 17



SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 18

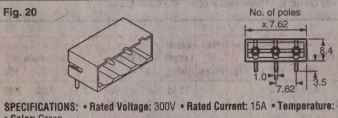


SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 19

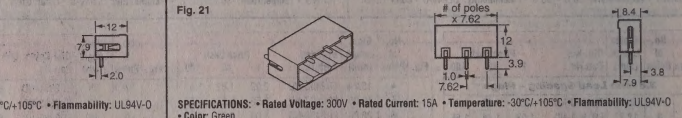
SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Wire Size:** 22-12AWG • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 20



SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig. 21



SPECIFICATIONS: • **Rated Voltage:** 300V • **Rated Current:** 15A • **Temperature:** -30°C/+105°C • **Flammability:** UL94V-0 • **Color:** Green

Fig.	No. of Poles	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
	6	40.64	ED2431-ND	3.36	3.03	2.69
	7	45.72	ED2432-ND	3.92	3.53	3.14
11	8	50.80	ED2433-ND	4.48	4.04	3.59
	9	55.88	ED2434-ND	5.04	4.54	4.04
	10	60.96	ED2435-ND	5.60	5.04	4.48
			5.08mm Lead Spacing — Vert. Headers			
	2	10.16	ED1849-ND†	.38	.34	.30
	3	15.24	ED1850-ND†	.57	.52	.46
	4	20.32	ED1851-ND†	.77	.69	.61
	5	25.40	ED1852-ND†	.96	.86	.75
	6	30.48	ED1853-ND†	1.15	1.03	.90
	7	35.56	ED1854-ND†	1.34	1.20	1.05
	8	40.64	ED1855-ND†	1.53	1.37	1.21
9	9	45.72	ED1856-ND†	1.72	1.54	1.35
	10	50.80	ED1857-ND†	1.91	1.71	1.50
	11	55.88	ED1858-ND†	2.10	1.88	1.65
	12	60.96	ED1859-ND†	2.29	2.05	1.80
	14	71.12	ED1860-ND†	2.68	2.39	2.10
	16	81.28	ED1861-ND†	3.06	2.73	2.40
	18	91.44	ED1862-ND†	3.44	3.08	2.70
	20	101.60	ED1863-ND†	3.83	3.42	3.00
	24	121.92	ED1864-ND†	4.59	4.10	3.60
			5.08mm Lead Spacing — Vert. Headers			
	2	20.32	ED2445-ND	1.68	1.52	1.35
	3	25.40	ED2446-ND	1.68	1.52	1.35
	4	30.48	ED2447-ND	2.24	2.02	1.80
	5	35.56	ED2448-ND	2.80	2.52	2.24
12	6	40.64	ED2449-ND	3.36	3.03	2.69
	7	45.72	ED2450-ND	3.92	3.53	3.14
	9	50.80	ED2451-ND	4.48	4.04	3.59
	9	55.88	ED2452-ND	5.04	4.54	4.04
	10	60.96	ED2453-ND	5.60	5.04	4.48
			5.08mm Lead Spacing — Vert. Plug			
	2	10.16	ED1746-ND†	1.46	1.31	1.17
	3	15.24	ED1747-ND†	2.19	1.97	1.75
13	4	20.32	ED1748-ND†	2.91	2.63	2.33
	5	25.40	ED1749-ND†	3.64	3.28	2.92
	6	30.48	ED1750-ND†	4.37	3.94	3.50

Fig.	No. of Poles	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
	7	35.56	ED1751-ND†	5.10	4.59	4.08
	8	40.64	ED1752-ND†	5.83	5.25	4.66
	9	45.72	ED1753-ND†	6.55	5.90	5.25
	10	50.80	ED1754-ND†	7.28	6.56	5.83
13	11	55.88	ED1755-ND†	8.01	7.21	6.41
	12	60.96	ED1756-ND†	8.74	7.87	6.99
	14	71.12	ED1757-ND†	10.19	9.18	8.16
	16	81.28	ED1758-ND†	11.65	10.49	9.32
			5.08mm Lead Spacing — Vert. Plug			
	2	10.16	ED1759-ND†	1.46	1.31	1.17
	3	15.24	ED1760-ND†	2.19	1.97	1.75
	4	20.32	ED1761-ND†	2.91	2.63	2.33
	5	25.40	ED1762-ND†	3.64	3.28	2.92
	6	30.48	ED1763-ND†	4.37	3.94	3.50
	7	35.56	ED1764-ND†	5.10	4.59	4.08
14	8	40.64	ED1765-ND†	5.83	5.25	4.66
	9	45.72	ED1766-ND†	6.55	5.90	5.25
	10	50.80	ED1767-ND†	7.28	6.56	5.83
	11	55.88	ED1768-ND†	8.01	7.21	6.41
	12	60.96	ED1769-ND†	8.74	7.87	6.99
	14	71.12	ED1770-ND†	10.19	9.18	8.16
	16	81.28	ED1771-ND†	11.65	10.49	9.32
			5.08mm Lead Spacing — Plugs			
	2	5.08	ED1983-ND	2.24	2.02	1.80
	3	10.16	ED1984-ND	3.36	3.03	2.69
	4	15.24	ED1985-ND	4.48	4.04	3.59
	5	20.32	ED1986-ND	5.60	5.04	4.48
	6	25.40	ED1987-ND	6.72	6.05	5.38
	7	30.48	ED1988-ND	7.84	7.06	6.28
	8	35.56	ED1989-ND	8.96	8.07	7.17
15	9	40.64	ED1990-ND	10.08	9.08	8.07
	10	45.72	ED1991-ND	11.20	10.08	8.96
	11	50.80	ED1992-ND	12.32	11.09	9.86
	12	55.88	ED1993-ND	13.44	12.10	10.76
	14	66.04	ED1994-ND	15.68	14.12	12.55
	16	76.20	ED1995-ND	17.92	16.13	14.34
	18	86.36	ED1996-ND	20.16	18.15	16.13
	20	96.52	ED1997-ND	22.40	20.16	17.92
	24	116.84	ED1998-ND	26.88	24.20	21.51

Fig.	No. of Poles	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
			5.08mm Lead Spacing — Horiz. Headers			
16	4	5.08	ED1903-ND	1.68	1.52	1.35
	6	10.16	ED1904-ND	2.52	2.27	2.02
			5.08mm Lead Spacing — Vert. Headers			
17	4	5.08	ED1905-ND	1.68	1.52	1.35
	6	10.16	ED1906-ND	2.52	2.27	2.02
			5.08mm Lead Spacing — 45° Header			
	2	5.08	ED1907-ND	.39	.36	.32
	3	10.16	ED1908-ND	.59	.53	.47
	4	15.24	ED1909-ND	.79	.71	.63
	5	20.32	ED1910-ND	.98	.89	.79
	6	25.40	ED1911-ND	1.18	1.06	.94
	7	30.48	ED1912-ND	1.37	1.24	1.10
	8	35.56	ED1913-ND	1.57	1.42	1.26
	9	40.64	ED1914-ND	1.77	1.59	1.42
	10	45.72	ED1915-ND	1.96	1.77	1.57
	11	50.80	ED1916-ND	2.16	1.94	1.73
	12	55.88	ED1917-ND	2.35	2.12	1.89
18	13	60.96	ED1918-ND	2.55	2.30	2.04
	14	66.04	ED1919-ND	2.75	2.48	2.20
	15	71.12	ED1920-ND	2.94	2.65	2.36
	16	76.20	ED1921-ND	3.14	2.83	2.51
	17	81.28	ED1922-ND	3.33	3.00	2.67
	18	86.36	ED1923-ND	3.53	3.18	2.83
	19	91.44	ED1924-ND	3.73	3.36	2.98
	20	96.52	ED1925-ND	3.92	3.53	3.14
	21	101.60	ED1926-ND	4.12	3.71	3.30
	22	106.68	ED1927-ND	4.31	3.89	3.45
	23	111.76	ED1928-ND	4.51	4.06	3.61
	24	116.84	ED1929-ND	4.71	4.24	3.77
			7.62mm Lead Spacing — Plugs			
	2	15.24	ED1733-ND*	1.40	1.26	1.12
	3	22.86	ED1734-ND*	2.10	1.89	1.68
19	4	30.48	ED1735-ND*	2.80	2.52	2.24
	5	38.10	ED1736-ND*	3.50	3.15	2.80
	6	45.72	ED1737-ND*	4.20	3.78	3.36
	7	53.34	ED1738-ND*	4.90	4.41	3.92

Fig.	No. of Poles	Block Length (mm)	Digi-Key Part No.	Price Each 1	10	100
	8	60.96	ED1739-ND*	5.60	5.04	4.48
	9	68.58	ED1740-ND*	6.30	5.67	5.04
	10	76.20	ED1741-ND*	7.00	6.30	5.60
19	11	83.82	ED1742-ND*	7.70	6.93	6.16
	12	91.44	ED1743-ND*	8.40	7.56	6.72
	14	106.68	ED1744-ND*	9.80	8.82	7.84
	16	121.92	ED1745-ND*	11.20	10.08	8.96
			7.62mm Lead Spacing — Horiz. Header			
	2	15.24	ED1865-ND†	.51	.46	.41
	3	22.86	ED1866-ND†	.76	.68	.61
	4	30.48	ED1867-ND†	1.01	.91	.81
	5	38.10	ED1868-ND†	1.26	1.14	1.01
	6	45.72	ED1869-ND†	1.51	1.37	1.21
	7	53.34	ED1870-ND†	1.77	1.59	1.42
20	8	60.96	ED1871-ND†	2.02	1.82	1.62
	9	68.58	ED1872-ND†	2.27	2.05	1.82
	10	76.20	ED1873-ND†	2.52	2.27	2.02
	11	83.82	ED1874-ND†	2.77	2.50	2.22
	12	91.44	ED1875-ND†	3.03	2.73	2.42
	14	106.68	ED1876-ND†	3.53	3.18	2.83
	16	121.92	ED1877-ND†	4.03	3.63	3.23
			7.62mm Lead Spacing — Vert. Header			
	2	15.24	ED1878-ND†	.51	.46	.41
	3	22.86	ED1879-ND†	.76	.68	.61
	4	30.48	ED1880-ND†	1.01	.91	.81
	5	38.10	ED1881-ND†	1.26	1.14	1.01
	6	45.72	ED1882-ND†	1.51	1.37	1.21
	7	53.34	ED1883-ND†	1.77	1.59	1.42
21	8	60.96	ED1884-ND†	2.02	1.82	1.62
	9	68.58	ED1885-ND†	2.27	2.05	1.82
	10	76.20	ED1886-ND†	2.52	2.27	2.02
	11	83.82	ED1887-ND†	2.77	2.50	2.22
	12	91.44	ED1888-ND†	3.03	2.73	2.42
	14	106.68	ED1890-ND†	3.53	3.18	2.83
	16	121.92	ED1891-ND†	4.03	3.63	3.23
Keying Star			ED1901-ND	.79	.71	.63
Keying Star			ED1902-ND	.79	.71	.63

* Use Keying Star ED1901-ND † Use Keying Star ED1902-ND

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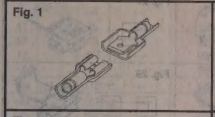
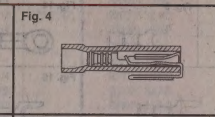


Fig. 1

Fig. 2

Fig. 3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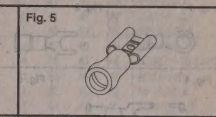
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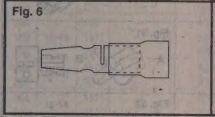
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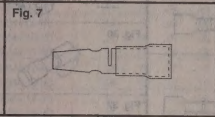
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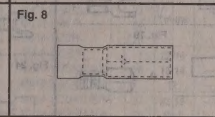
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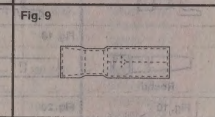
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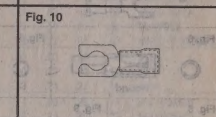
Fig. 10

Fully-Insulated Quick Disconnects

Fig.	AWG	Crimp Tool #	Tab Size Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
				Avikrimp® - Male					
1	22-18 Red	23	.250 (6.35) .187 (4.75)	.140 (3.56) .140 (3.56)	WM18225-ND WM18226-ND	.51 .51	.41 .41	.34 .34	19001-0001 19001-0003
1	16-14 Blue	23	.250 (6.35) .187 (4.75)	.170 (4.32) .170 (4.32)	WM18227-ND WM18228-ND	.50 .58	.40 .47	.34 .39	19001-0006 19001-0008
1	12-10 Yellow	4/22	.250 (6.35)	.230 (5.84)	WM18229-ND	.60	.48	.40	19001-0010
				Avikrimp® - Female					
1	22-18 Red	15/22	.250 (6.35) .187 (4.75)	.125 (3.18) .125 (3.18)	WM18230-ND WM18231-ND	.46 .46	.37 .37	.31 .31	19002-0001 19002-0005
1	16-14 Blue	15/22	.250 (6.35) .187 (4.75)	.155 (3.94) .155 (3.94)	WM18232-ND WM18233-ND	.46 .47	.37 .38	.31 .32	19002-0024 19002-0028
1	12-10 Yellow	15/22	.250 (6.35)	.245 (6.22)	WM18234-ND	.55	.44	.37	19002-0044
				Insulkrimp® - Female (Standard Flare)					
2	26-24 Yellow	5/23	.250 (6.35) .187 (4.75)	.075 (1.91) .075 (1.91)	WM18235-ND WM18236-ND	.24 .24	.19 .19	.16 .16	19003-0071 19003-0064
2	22-18 Red	15/23	.250 (6.35) .187 (4.75)	.135 (3.43) .135 (3.43)	WM18237-ND WM18238-ND	.26 .25	.21 .20	.17 .17	19003-0001 19003-0011
2	22-18 Red	—/24	.187 x .032 (4.75 x 0.81)	.135 (3.43)	WM5928-ND*	.28	.23	.19	19003-0129
2	16-14 Blue	14/23	.250 (6.35) .187 (4.75) .250 x .032 (6.35 x 0.81)	.145 (3.68) .160 (4.06) .145 (3.68)	WM18239-ND WM18240-ND WM5929-ND*	.25 .19 .22	.20 .16 .18	.17 .13 .15	19003-0040 19003-0050 19003-0044
2	16-14 Blue	—/25	.187 x .020 (4.75 x 0.51) .187 x .032 (4.75 x 0.81)	.160 (4.06) .160 (4.06)	WM5927-ND* WM5930-ND*	.29 .32	.24 .26	.20 .21	19003-0132 19003-0135
				Insulkrimp® - Female (Expanded Flare)					
2	12-10 Yellow	23	.250 (6.35)	.275 (6.98)	WM18241-ND	.35	.28	.23	19005-0010

* With 94V-0 Material

Avikrimp® Fully Pre-Insulated Quick Disconnect Flags

Fig.	AWG	Crimp Tool #	Tab Size Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
3	22-18 Red	9/25	.250 x .032 (6.35 x 0.81) .187 x .020 (4.75 x 0.51)	.150 (3.81) .150 (3.81)	WM18242-ND WM18245-ND	.47 .48	.38 .38	.32 .32	19006-0001 19006-0005
3	16-14 Blue	9/25	.250 x .032 (6.35 x 0.81) .187 .020 (4.75 x 0.81)	.170 (4.32) .170 (4.32)	WM18243-ND WM18246-ND	.48 .48	.38 .38	.32 .32	19006-0011 19006-0015
3	12-10 Yellow	10/25	.250 x .032 (6.35 x 0.81)	.248 (6.30)	WM18244-ND	.94	.75	.63	19006-0019

Insulkrimp® Fully-Insulated Flag Quick Disconnects

Fig.	AWG	Crimp Tool #	Tab Size Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
3	22-18 Red	11/25	.250 (6.35) .187 (4.75)	.175 (4.44) .175 (4.44)	WM18247-ND WM18250-ND	.24 .36	.19 .29	.16 .24	19007-0001 19007-0009
3	16-14 Blue	11/25	.250 (6.35) .187 (4.75)	.200 (5.08) .200 (5.08)	WM18248-ND WM18251-ND	.36 .36	.29 .29	.24 .24	19007-0021 19007-0029
3	16-14 Blue	11/25	.250 (6.35)	.200 (5.08)	WM5931-ND*	.31	.25	.21	19007-0073
3	12-10 Yellow	10/25	.250 (6.35)	.262 (6.65)	WM18249-ND	.80	.64	.53	19007-0046

* With 94V-0 Material

Piggyback QD's Fully-Insulated Quick Disconnects

Fig.	AWG	Crimp Tool #	Tab Size Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
4	22-18	10	.250 (6.35)	.060 (1.52)	WM18252-ND	.69	.56	.46	19013-0001
	16-14	10	.250 (6.35)	.145 (3.68)	WM18253-ND	.70	.56	.47	19013-0005
	12-10	19	.250 (6.35)	.150 (3.81)	WM18254-ND	.99	.79	.66	19013-0018

Avikrimp® Nylon Insulated with Vibration Support Quick Disconnects

Fig.	AWG	Crimp Tool #	Tab Size Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
				Female					
5	22-18	18/23	.250 x .032 (6.3 x 0.8) .187 x .020 (4.7 x 0.5) .110 x .032 (2.8 x 0.8) .110 x .020 (2.8 x 0.5)	.115 (2.9) .115 (2.9) .115 (2.9) .115 (2.9)	WM18255-ND WM18257-ND WM18259-ND WM18260-ND	.28 .22 .22 .30	.23 .18 .18 .24	.19 .15 .15 .20	19019-0012 19019-0006 19019-0004 19019-0001
5	16-14	18/23	.250 x .032 (6.3 x 0.8) .187 x .020 (4.7 x 0.5) .110 x .020 (2.8 x 0.5)	.138 (3.5) .138 (3.5) .138 (3.5)	WM18262-ND WM18258-ND WM18261-ND	.22 .22 .29	.18 .18 .23	.15 .15 .20	19019-0031 19019-0027 19019-0022
5	12-10	18/23	.250 x .032 (6.3 x 0.8)	.225 (5.7)	WM18256-ND	.44	.36	.30	19019-0037

Snap Plugs

Fig.	AWG	Crimp Tool #	Diameter Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
				Insulkrimp® (PVC Insulation)					
6	22-18 16-14	12/22	.156 (3.96) .156 (3.96)	.140 (3.6) .175 (4.4)	WM18263-ND WM18264-ND	.24 .22	.19 .18	.16 .15	19034-0005 19034-0009
				Avikrimp® (Nylon Insulation)					
7	22-18 16-14	12/22	.156 (3.96) .156 (3.96)	.140 (3.6) .170 (4.3)	WM18267-ND WM18268-ND	.37 .38	.30 .31	.25 .26	19036-0003 19036-0008

Snap Plug Receptacles

Fig.	AWG	Crimp Tool #	Snap Plug Dia. Inch (mm)	Max. Wire Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
				Insulkrimp® (PVC Insulation)					
8	22-18 16-14	20/27 13/27	.156 (3.9) .156 (3.9)	.140 (3.5) .170 (4.3)	WM18265-ND WM18266-ND	.22 .23	.18 .18	.15 .15	19038-0001 19038-0007
				Avikrimp® (Nylon Insulation)					
9	22-18 16-14	20/27 13/27	.156 (3.9) .156 (3.9)	.125 (3.2) .150 (3.8)	WM18269-ND WM18270-ND	.35 .35	.28 .28	.24 .24	19039-0001 19039-0006

Snap Spade Terminals

Fig.	AWG	Crimp Tool #	Stud Size	Max. Wire Insul. Dia. Inch (mm)	Max. Width Inch (mm)	Digi-Key Part No.	Price Each 10	100	500	Molex Part No.
					Insulkrimp® (PVC Insulation)					
10	22-18 Red	12/22	5-6	.145 (3.7)	.260 (6.6)	WM18315-ND	.18	.14	.12	19099-0009
			8	.145 (3.7)	.300 (7.6)	WM18316-ND	.18	.14	.12	19099-0003
			10	.145 (3.7)	.340 (8.6)	WM18317-ND	.18	.14	.12	19099-0015
10	16-14 Blue	12/22	5-6	.175 (4.4)	.260 (6.6)	WM18318-ND	.22	.18	.15	19099-0027
			8	.175 (4.4)	.320 (8.1)	WM18319-ND	.23	.19	.16	19099-0032
			10	.175 (4.4)	.340 (8.6)	WM18320-ND	.18	.14	.12	19099-0034
10	12-10 Yellow	12/22	5-6	.250 (6.4)	.260 (6.6)	WM18321-ND	.33	.27	.22	19099-0044
			8	.250 (6.4)	.330 (8.4)	WM18322-ND	.29	.23	.20	19099-0038
			10	.250 (6.4)	.340 (8.6)	WM18323-ND	.23	.18	.15	19099-0050
					Avikrimp® (Nylon Insulation)					
10	22-18 Red	12/22	5-6	.140 (3.6)	.260 (6.6)	WM18324-ND	.24	.19	.16	19115-0009
			5-6	.140 (3.6)	.270 (6.8)	WM18325-ND	.30	.24	.20	19115-0001
			8	.140 (3.6)	.300 (7.6)	WM18326-ND	.24	.19	.16	19115-0003
			8	.140 (3.6)	.320 (8.1)	WM18327-ND	.30	.25	.20	19115-0012
			10	.140 (3.6)	.340 (8.6)	WM18328-ND	.31	.25	.21	19115-0014
10	16-14 Blue	12/22	5-6	.170 (4.3)	.260 (6.6)	WM18329-ND	.31	.25	.21	19115-0024
			5-6	.170 (4.3)	.270 (6.8)	WM18330-ND	.24	.19	.16	19115-0016
			8	.170 (4.3)	.320 (8.1)	WM18331-ND	.24	.19	.16	19115-0079
			10	.170 (4.3)	.340 (8.6)	WM18332-ND	.26	.21	.18	19115-0031
10	12-10 Yellow	12/22	5-6	.225 (5.7)	.260 (6.6)	WM18333-ND	.56	.45	.37	19115-0042
			8	.225 (5.7)	.330 (8.4)	WM18334-ND	.30	.24	.20	19115-0035
			10	.225 (5.7)	.340 (8.6)	WM18335-ND	.32	.25	.21	19115-0048

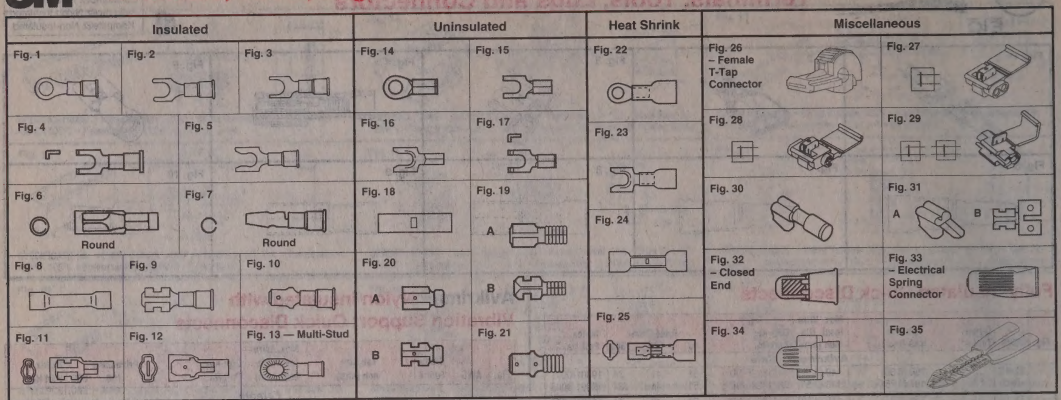

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	50	100	500	3M Part No.
				Insulated					
1	26-24 Yellow	#2	.145 (3.68)	920010-30-ND	.88	.64	.56	.47	MN24-2RK
		#4		920010-31-ND	.88	.64	.56	.47	MN24-4RK
		#6		920010-32-ND	.93	.68	.60	.49	MN24-6RK
		#8		920010-33-ND	.88	.64	.56	.47	MN24-8RK
		#10		920010-34-ND	.88	.64	.56	.47	MN24-10RK
11	26-20 Yellow	—	.145 (3.68)	920044-17-ND	.47	.35	.31	.25	MNU20-110DFIK
1		#4	.145 (3.68)	920010-35-ND	.25	.19	.16	.14	MVU18-4R/SK
		#6		920010-01-ND	.25	.19	.16	.14	MVU18-6R/SK
		#8		920010-02-ND	.25	.19	.16	.14	MVU18-8R/LK
		#10		920010-03-ND	.25	.19	.16	.14	MVU18-10R/LK
		1/4		920010-04-ND	.29	.22	.19	.16	MVU18-14R/SK
1		5/16		920010-36-ND	.37	.27	.24	.20	MVU18-516R/SK
1		3/8		920010-37-ND	.37	.27	.24	.20	MVU18-38RK
3		#4		920026-16-ND	.25	.19	.16	.14	MVU18-4FB/SK
3		#6		920022-01-ND	.25	.19	.16	.14	MVU18-6FB/SK
3		#8		920022-02-ND	.25	.19	.16	.14	MVU18-8FBK
3		#10		920020-17-ND	.25	.19	.16	.14	MVU18-10FBK
4		#6		920022-14-ND	.29	.22	.19	.16	MVU18-6FFBK
4		#8		920022-15-ND	.29	.22	.19	.16	MVU18-8FFBK
4		#10		920022-16-ND	.29	.22	.19	.16	MVU18-10FFBK
5	22-18	#4		920024-01-ND	.27	.20	.18	.15	MVU18-4FLK
5	Red	#6		920024-02-ND	.27	.20	.18	.15	MVU18-6FLK
5		#8		920024-03-ND	.27	.20	.18	.15	MVU18-8FLK
5		#10	.145 (3.68)	920024-10-ND	.27	.20	.18	.15	MVU18-10FLK
6		.156"		920048-03-ND	.62	.45	.40	.33	MNG18-156DFIK
7		.156"		920050-01-ND	.27	.20	.18	.14	MVU18-156DMK
8		—	.145 (3.68)	920030-01-ND	.27	.20	.17	.14	MVU18-BCK
9		.187"		920040-01-ND	.27	.20	.17	.14	MVU18-187DFK
9		.250"		920040-02-ND	.27	.20	.17	.14	MVU18-250DFK
10		.187"		920042-01-ND	.26	.19	.17	.14	MVU18-187DMK
10		.250"		920042-02-ND	.25	.18	.16	.13	MVU18-250DMK
11		.187"	.145 (3.68)	920044-01-ND	.39	.28	.25	.21	MNU18-187DFIK
11		.250"		920044-02-ND	.39	.28	.25	.21	MNU18-250DFIK
11		.250"		920044-23-ND	.40	.29	.26	.21	FD18-250C
12		.187"		920046-01-ND	.43	.32	.28	.23	MNU18-187DMIK
12		.250"		920046-02-ND	.43	.32	.28	.23	MNU18-250DMIK
13		6/8/10		920010-57-ND	.34	.25	.22	.18	MV18-610R
1		#4	.170 (4.32)	920010-38-ND	.25	.19	.16	.14	MVU14-4R/SK
		#8		920010-39-ND	.25	.19	.16	.14	MVU14-8RK
		#6		920010-05-ND	.25	.19	.16	.14	MVU14-6R/SK
		#8		920010-06-ND	.25	.19	.16	.14	MVU14-8R/SK
		#10		920010-07-ND	.25	.19	.16	.14	MVU14-10RK
1		1/4		920010-08-ND	.29	.22	.19	.16	MVU14-14R/SK
1		5/16		920010-40-ND	.37	.27	.24	.20	MVU14-516R/SK
1		3/8		920010-41-ND	.37	.27	.24	.20	MVU14-38RK
2		#6		920020-01-ND	.25	.19	.16	.14	MVU14-6FK
2		#8		920020-02-ND	.25	.19	.16	.14	MVU14-8FK
3		#4		920020-18-ND	.25	.19	.16	.14	MVU14-4FB/SK
3		#6		920022-03-ND	.25	.19	.16	.14	MVU14-6FB/SK
3		#8	.170 (4.32)	920022-04-ND	.25	.19	.16	.14	MVU14-8FBK
3		#10		920020-19-ND	.25	.19	.16	.14	MVU14-10FBK
4		#6		920022-17-ND	.29	.22	.19	.16	MVU14-6FFBK
4	16-14 Blue	#8		920022-18-ND	.29	.22	.19	.16	MVU14-8FFBK
4		#10		920022-19-ND	.29	.22	.19	.16	MVU14-10FFBK
5		#4	.170 (4.32)	920024-11-ND	.26	.19	.17	.14	MVU14-4FLK
5		#6		920024-04-ND	.27	.20	.18	.15	MVU14-6FLK
5		#8		920024-05-ND	.27	.20	.18	.15	MVU14-8FLK
5		#10		920024-06-ND	.27	.20	.18	.15	MVU14-10FLK
6		.156"		920048-02-ND	.43	.31	.28	.23	MNU14-156DFIK
7		.156"	.170 (4.32)	920050-02-ND	.27	.20	.18	.14	MVU14-156DMK
8		—		920030-02-ND	.27	.20	.17	.14	MVU14-BCK
9		.187"		920040-03-ND	.27	.20	.17	.14	MVU14-187DFK
9		.250"		920040-04-ND	.27	.20	.17	.14	MVU14-250DFK
10		.187"		920042-03-ND	.26	.19	.17	.14	MVU14-187DMK
10		.250"	.170 (4.32)	920042-04-ND	.26	.19	.17	.14	MVU14-250DMK
11		.187"		920044-03-ND	.39	.28	.25	.21	MNU14-187DFIK
11		.250"		920044-04-ND	.39	.28	.25	.21	MNU14-250DFIK

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	50	100	500	3M Part No.
11		.250"	.170 (4.32)	920044-22-ND	.40	.29	.26	.21	FD14-250C
12	16-14 Blue	.187"		920046-03-ND	.43	.32	.28	.23	MNU14-187DMIK
12		.250"		920046-04-ND	.43	.32	.28	.23	MNU14-250DMIK
13		6/8/10		920010-58-ND	.34	.25	.22	.18	MV14-610R
1		#6	.250 (6.35)	920010-43-ND	.31	.23	.20	.16	MVU10-6RK
		#8		920010-09-ND	.31	.23	.20	.16	MVU10-8RK
		#10		920010-10-ND	.31	.23	.20	.16	MVU10-10RK
		1/4		920010-11-ND	.41	.30	.26	.22	MVU10-14R/SK
		5/16		920010-44-ND	.41	.30	.26	.22	MVU10-516R/SK
1		3/8		920010-12-ND	.41	.30	.26	.22	MVU10-38R/SK
2		#6		920020-03-ND	.31	.23	.20	.16	MVU10-6FK
2		#8	.250 (6.35)	920020-04-ND	.31	.23	.20	.16	MVU10-8FK
2		#10		920020-05-ND	.31	.23	.20	.16	MVU10-10FK
4	12-10 Yellow	#6		920022-20-ND	.36	.26	.23	.19	MVU10-6FFBK
4		#8		920022-21-ND	.36	.26	.23	.19	MVU10-8FFBK
4		#10		920022-22-ND	.36	.26	.23	.19	MVU10-10FFBK
5		#6	.250 (6.35)	920024-07-ND	.39	.29	.25	.21	MVU10-6FLK
5		1/4		920024-13-ND	.45	.33	.29	.24	MVU10-14FLK
8		—		920030-03-ND	.33	.24	.21	.18	MVU10BCK
9		.250"	.250 (6.35)	920040-06-ND	.49	.36	.32	.26	MVI10-250DFK
10		.250"		920042-05-ND	.32	.24	.21	.17	MVU10-250DMK
11		.250"		920044-21-ND	.54	.39	.35	.29	MNI10-250DFIK
12		.250"		920046-05-ND	.58	.43	.38	.31	MNU10-250DMIK
13		6/8/10		920010-59-ND	.45	.33	.29	.24	MV10-610R
				Uninsulated					
14	22-18	#4	—	920010-13-ND	.13	.10	.09	.07	MU18-4R/SK
		#6	—	920010-14-ND	.13	.10	.09	.07	MU18-6R/SK
		#8	—	920010-15-ND	.13	.10	.09	.07	MU18-8R/LK
		#10	—	920010-16-ND	.13	.09	.08	.07	MU18-10R/LK
		1/4	—	920010-17-ND	.21	.15	.13	.11	MU18-14R/SK
15		#4	—	920020-06-ND	.13	.10	.09	.07	MU18-4FB/SK
15		#6	—	920020-07-ND	.13	.10	.09	.07	MU18-6FB/SK
15		#8	—	920020-08-ND	.13	.10	.09	.07	MU18-8FBK
15		#10	—	920020-09-ND	.13	.10	.09	.07	MU18-10FBK
16		#6	—	920024-15-ND	.14	.10	.09	.08	MU18-6FLK
16		#8	—	920024-16-ND	.14	.10	.09	.08	MU18-8FLK
16		#10	—	920024-17-ND	.14	.10	.09	.08	MU18-10FLK
17		#6	—	920022-05-ND	.14	.10	.09	.08	MU18-6FFBK
18		—	—	920030-07-ND	.21	.16	.14	.11	M18BCK
14		#4	—	920010-19-ND	.13	.10	.09	.07	MU14-4R/SK
		#6	—	920010-20-ND	.13	.10	.09	.07	MU14-6R/SK
		#8	—	920010-21-ND	.13	.10	.09	.07	MU14-8R/LK
		#10	—	920010-22-ND	.13	.10	.09	.07	MU14-10RK
		1/4	—	920010-23-ND	.21	.15	.13	.11	MU14-14R/SK
15		#8	—	920020-11-ND	.13	.10	.09	.07	MU14-8FBK
15		#10	—	920020-12-ND	.13	.10	.09	.07	MU14-10FBK
16	16-14	#4	—	920024-18-ND	.13	.10	.09	.07	MU14-4FLK
16		#6	—	920024-19-ND	.14	.10	.09	.08	MU14-6FLK
16		#8	—	920024-20-ND	.14	.10	.09	.08	MU14-8FLK
16		#10	—	920024-21-ND	.13	.10	.09	.07	MU14-10FLK
16		1/4	—	920024-22-ND	.22	.16	.15	.12	MU14-14FLK
17		#6	—	920022-08-ND	.13	.10	.09	.07	MU14-6FFBK
17		#8	—	920022-09-ND	.13	.10	.09	.07	MU14-8FFBK
17		#10	—	920022-10-ND	.13	.10	.09	.07	MU14-10FFBK
18		—	—	920030-08-ND	.21	.16	.14	.11	M14BCK
14		#4	—	920010-24-ND	.20	.15	.13	.11	MU10-4R/SK
		#6	—	920010-25-ND	.20	.15	.13	.11	MU10-6RK
		#8	—	920010-26-ND	.20	.15	.13	.11	MU10-8RK
		#10	—	920010-27-ND	.20	.15	.13	.11	MU10-10RK
	12-10	1/4	—	920010-28-ND	.24	.17	.15	.13	MU10-14R/SK
15		#6	—	920020-13-ND	.20	.15	.13	.11	MU10-6FBK
15		#8	—	920020-14-ND	.19	.14	.12	.10	MU10-8FBK
15		#10	—	920020-15-ND	.19	.14	.12	.10	MU10-10FBK
16		#6	—	920024-23-ND	.18	.14	.12	.10	MU10-6FLK

(Continued)

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 10	50	100	500	3M Part No.
16		#8	—	920024-24-ND	.18	.14	.12	.10	MU10-8FLK
16		1/4	—	920024-26-ND	.31	.23	.20	.17	MU10-14FLK
17	12-10	#6	—	920022-11-ND	.19	.14	.12	.10	MU10-6FFBK
17		#8	—	920022-12-ND	.19	.14	.12	.10	MU10-8FFBK
18		#10	—	920022-13-ND	.19	.14	.12	.10	MU10-10FFBK
18		—	—	920030-09-ND	.31	.23	.20	.17	M10BCK
19A	26-20	.110"	—	920044-06-ND	.14	.11	.09	.08	MU20-110/32DFK
19B	22-18	.187"	—	920044-07-ND	.14	.11	.09	.08	MU18-187DFK
19A		.250"	—	920044-08-ND	.14	.11	.09	.08	MU18-250DFK
19A		.110"	—	920044-09-ND	.14	.11	.09	.08	MU14-110DFK
19B	16-14	.187"	—	920044-10-ND	.14	.11	.09	.08	MU14-187DFK
19A		.250"	—	920044-11-ND	.14	.11	.09	.08	MU14-250DFK
20A	22-18	.187"	—	920044-12-ND	.18	.13	.12	.10	MU18-187DF/FLAGK
20B		.250"	—	920044-13-ND	.18	.13	.12	.10	MU18-250DF/FLAGK
20A	16-14	.187"	—	920044-14-ND	.17	.13	.11	.09	MU14-187DF/FLAGK
20B		.250"	—	920044-15-ND	.18	.13	.12	.10	MU14-250DF/FLAGK
21	22-18	.187"	—	920042-06-ND	.14	.10	.09	.08	MU18-187DMK
		.250"	—	920042-07-ND	.14	.10	.09	.08	MU18-250DMK
21	16-14	.250"	—	920042-09-ND	.14	.10	.09	.08	MU14-250DMK
21	12-10	.250"	—	920042-10-ND	.17	.13	.11	.09	MU10-250DMK
				Multi-Stack Adapters					
30	22-18	.250"	—	920084-01-ND	.44	.32	.29	.24	MVU18-250DMFK
	16-14	.250"	—	920084-02-ND	.44	.32	.29	.24	MVU14-250DMFK
31A	—	.250"	—	920082-01-ND	.35	.26	.23	.19	MA250DMFMK
31B		.250"	—	920082-02-ND	.24	.17	.15	.13	MA250DMMFK

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Price Each 1	10	50	100	3M Part No.
				Heat Shrink Insulated					
24	22-18 Red	—	.145 (3.68)	920080-10-ND	.61	.45	.40	.33	MH18BCK
22	16-14 Blue	#6	.170 (4.32)	920010-48-ND	.56	.41	.36	.30	MH14-6RLK
		#8		920010-49-ND	.80	.72	.60	.47	MH14-8RLK
		1/4		920010-51-ND	.88	.79	.65	.51	MH14-14RSK
		5/16		920010-52-ND	.83	.74	.61	.48	MH14-516R/SK
		3/8		920010-53-ND	.83	.74	.61	.48	MH14-38RK
23	16-14 Blue	#6	.170 (4.32)	920024-30-ND	.56	.41	.36	.30	MH14-6FLK
		#10		920024-32-ND	.56	.41	.36	.30	MH14-10FLK
		1/4		920024-33-ND	.61	.45	.40	.33	MH14-14FLK
24	Blue	—	.170 (4.32	920030-11-ND	.61	.45	.40	.33	MH14BCK
25		—		920042-12-ND	.74	.54	.48	.40	MNHU14-250DMIK
22	12-10 Yellow	1/4	.250 (6.35)	920010-55-ND	.70	.52	.46	.38	MH10-14RK
23		#8		920024-34-ND	.71	.52	.46	.38	MH10-8FLK
23		#10		920024-35-ND	.67	.49	.44	.36	MH10-10FLK
23		1/4		920024-36-ND	.71	.52	.46	.38	MH10-14FLK
24		—		920030-12-ND	.79	.58	.51	.42	MH10BCK
25		—		920042-13-ND	.98	.72	.63	.52	MNHU10-250DMIK
26	22-18	—	.150 (3.81)	920074-01-ND	.30	.23	.20	.17	951K
	18-14	—		920074-02-ND	.30	.23	.20	.17	952K
	12	—		920074-03-ND	.33	.24	.22	.18	953K
27	22-16	—	.120 (3.05)	920074-06-ND	.44	.33	.29	.24	557 (BOXED)
28	Red	—		920074-07-ND	.46	.34	.30	.25	558 (BOXED)
29	18-14 Blue	—	.145 (3.68)	920074-08-ND	.28	.21	.19	.15	560 (BOXED)

923000-I-ND 3M Insulated Terminal Kit — 650 assorted terminals (14 sizes), 200 cable ties (100 each, 2 sizes), one wire marker dispenser, one crimping tool, one reusable metal box, one reordering information card **$155.61**

Fig.	AWG	Description	Digi-Key Part No.	Price Each 10	50	100	500	3M Part No.
			Scotchlok Connectors					
32	22-14	Closed End Electrical Connector	920030-13-ND	.24	.18	.16	.13	MN14CEC/STK
33	18-10		920030-14-ND	.26	.19	.17	.14	MN10CEC/STK (Bulk)
33	14-8		920090-01-ND	.55	.40	.35	.29	GK (Gray)
33	18-10		920090-02-ND	.24	.18	.16	.13	RK (Red)
34	12-8	Spring Connector	920090-04-ND	.68	.50	.44	.36	B/G (Box)
	22-12		920090-05-ND	.17	.12	.11	.09	O/B (Box)
	18-8		920090-06-ND	.26	.19	.17	.14	R/Y (Box)
	22-8		920090-07-ND	.24	.18	.16	.13	T/R (Box)
33	22-12	Nylon Spring Connector	920074-04-ND	.20	.14	.13	.11	312 (Yellow)
	18-10		920074-05-ND	.25	.19	.17	.14	512 (Red)
			Crimp Tools					
—	22-10	Ratcheting	TR-482-ND		181.24/1			TR-482
35	26-6	Scissor Style	TH-450-ND		41.19/1			TH-450

Terminals

Fig. 1

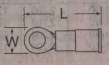

Fig. 2

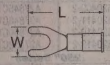

Fig. 3

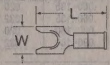

Fig.	AWG	Stud Size	Dim. Inch Length	Dim. Inch Width	Digi-Key Part No.	Pricing 10	50	100	500	3M Part No.
					Vinyl Insulated Butted Seam Ring Tongue Terminals					
1	22-18 Red	#6	0.80	0.25	94725-01-ND	1.12	4.09	7.22	29.69	94725
		#8	0.90	0.33	94727-01-ND	1.12	4.09	7.22	29.69	94727
		#10	0.90	0.33	94717-01-ND	1.12	4.09	7.22	29.69	94717
		1/4	1.08	0.47	94719-01-ND	1.34	4.87	8.60	35.34	94719
	16-14 Blue	#6	0.90	0.33	94736-01-ND	1.12	4.09	7.22	29.69	94736
		#8	0.90	0.33	94739-01-ND	1.12	4.09	7.22	29.69	94739
		#10	0.90	0.33	94729-01-ND	1.12	4.09	7.22	29.69	94729
		1/4	1.08	0.47	94731-01-ND	1.34	4.87	8.60	35.34	94731
		5/16	1.08	0.47	94735-01-ND	1.50	5.46	9.63	39.59	94735
		3/8	1.13	0.56	94733-01-ND	1.59	5.79	10.22	42.00	94733
	12-10 Yellow	#6	0.98	0.28	94751-01-ND	1.37	5.00	8.82	36.26	94751
		#8	1.03	0.38	94753-01-ND	1.37	5.00	8.82	36.26	94753
		#10	1.03	0.38	94741-01-ND	1.37	5.00	8.82	36.26	94741
		1/4	1.26	0.53	94743-01-ND	1.59	5.79	10.22	42.00	94743
		5/16	1.26	0.53	94749-01-ND	1.67	6.09	10.76	44.22	94749
		3/8	1.29	0.59	94745-01-ND	1.67	6.09	10.76	44.22	94745
		1/2	1.50	0.75	94747-01-ND	2.27	8.26	14.58	59.94	94747
					Nylon Insulated with Insulation Grip Ring Tongue Terminals					
1	22-18 Red	#6	0.79	0.25	94724-01-ND	1.71	6.23	11.00	45.23	94724
		#8	0.89	0.33	94726-01-ND	1.71	6.23	11.00	45.23	94726
		#10	0.89	0.33	94716-01-ND	1.71	6.23	11.00	45.23	94716
		1/4	1.07	0.47	94718-01-ND	2.01	7.31	12.89	53.00	94718
		3/8	1.12	0.56	94720-01-ND	2.25	8.19	14.45	59.39	94720
	16-14 Blue	#10	0.89	0.33	94728-01-ND	1.71	6.23	11.00	45.23	94728
		1/4	1.09	0.47	94730-01-ND	2.01	7.31	12.89	53.00	94730
		5/16	1.09	0.47	94734-01-ND	2.01	7.31	12.89	53.00	94734
		3/8	1.14	0.56	94732-01-ND	2.25	8.19	14.45	59.39	94732
	12-10 Yellow	#6	0.98	0.28	94750-01-ND	2.13	7.75	13.68	56.24	94750
		1/2	1.50	0.75	94746-01-ND	2.90	10.56	18.63	76.59	94746
					Nylon Insulated Brazed Seam Ring Tongue Terminals					
1	8 Red	1/4	1.26	0.47	94754-01-ND	5.52	20.09	35.46	145.78	94754
		1/2	1.72	0.81	94756-01-ND	8.28	37.06	61.04	239.80	94756
	6 Blue	5/16	1.58	0.63	94761-01-ND	7.87	35.19	57.96	227.70	94761
		3/8	1.58	0.63	94759-01-ND	5.80	21.11	37.26	153.18	94759
		1/2	1.78	0.81	94760-01-ND	6.50	23.66	41.76	171.66	94760

Fig.	AWG	Stud Size	Dim. Inch Length	Dim. Inch Width	Digi-Key Part No.	Pricing 10	50	100	500	3M Part No.
1	4 Yellow	1/4	1.74	0.68	94762-01-ND	7.56	27.54	48.60	199.80	94762
		3/8			94763-01-ND	9.50	42.50	70.00	275.00	94763
		1/2			94764-01-ND	10.26	45.90	75.60	297.00	94764
					Vinyl Insulated Butted Seam Fork Terminals					
2	22-18 Red	#6	0.90	0.34	94769-01-ND	1.09	3.95	6.98	28.68	94769
		#8			94771-01-ND	1.09	3.95	6.98	28.68	94771
	16-14 Blue	#6	0.90	0.34	94775-01-ND	1.09	3.95	6.98	28.68	94775
		#8			94777-01-ND	1.09	3.95	6.98	28.68	94777
		#10			94773-01-ND	1.09	3.95	6.98	28.68	94773
	12-10 Yellow	#6	1.03	0.38	94781-01-ND	1.26	4.59	8.10	33.30	94781
					Nylon Insulated with Insulation Grip Fork Terminals					
2	22-18 Red	#6	0.89	0.34	94768-01-ND	1.57	5.72	10.10	41.53	94768
		#8			94770-01-ND	1.57	5.72	10.10	41.53	94770
		#10			94766-01-ND	1.80	6.54	11.54	47.45	94766
	16-14 Blue	#6	0.91	0.34	94774-01-ND	1.57	5.72	10.10	41.53	94774
		#8			94772-01-ND	1.57	5.72	10.10	41.53	94772
					Vinyl Insulated Butted Seam Locking Fork Terminals					
3	22-18 Red	#6	0.88	0.25	94865-01-ND	1.17	4.27	7.54	30.99	94865
		#8		0.30	94867-01-ND	1.17	4.27	7.54	30.99	94867
		#10		0.32	94863-01-ND	1.17	4.27	7.54	30.99	94863
	Blue 16-14	#6	0.88	0.25	94873-01-ND	1.17	4.27	7.54	30.99	94873
		#8	0.88	0.30	94875-01-ND	1.17	4.27	7.54	30.99	94875
		1/4	1.10	0.43	94871-01-ND	1.34	4.88	8.62	35.43	94871
	12-10 Yellow	#6	1.03	0.28	94881-01-ND	1.61	5.87	10.35	42.55	94881
		#10	1.03	0.32	94877-01-ND	1.71	6.22	10.98	45.14	94877
					Nylon Insulated with Insulation Grip Locking Fork Terminals					
3	22-18 Red	#6	0.87	0.25	94864-01-ND	1.80	6.54	11.54	47.45	94864
		#8		0.30	94866-01-ND	1.80	6.54	11.54	47.45	94866
		#10		0.32	94862-01-ND	1.69	6.17	10.89	44.77	94862
	16-14 Blue	#8	0.89	0.30	94874-01-ND	1.69	6.17	10.89	44.77	94874
		#10	0.89	0.32	94868-01-ND	1.69	6.17	10.89	44.77	94868
		1/4	1.09	0.43	94870-01-ND	2.01	7.31	12.89	53.00	94870

FASTONS

PIDG FASTON: Receptacle material is brass unless otherwise noted. **Ultra-Fast FASTON Receptacles:** Fully Insulated FASTON Receptacles offer all the advantages of the standard Ultra-Fast product plus an insulation crimp. Ultra-Fast Plus Receptacles are preinsulated assemblies featuring a co-molded housing produced from two different nylon materials. The receptacle and wire barrel portions of the housing are molded from type 6/6 nylon material with a 125°C UL temperature rating. The insulation barrel is molded from a premium grade nylon. Material: • Housing: Nylon Type 6/6 • Terminal: Tin-Plated, Copper alloy • Base : Brass

Fig. 1

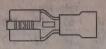

Fig. 2

Fig. 3

PIDG FASTONS

Fig.	AWG	Insulation Color	Fits Tab Size (Inch)	Insul. Dia. Inch	Digi-Key Part No.	Price Each 10	Price Each 100	AMP Part No.	Digi-Key Part No.	Cut Tape Pricing 500	Cut Tape Pricing 1,000	Digi-Key Part No.	Size	Tape & Reel Pricing	AMP Part No.
.110" Low Insertion															
1	22-18	Red	.110 x .016	.140	A27944-ND	.34	.30	640921-1	A27944CT-ND	—	326.88	A27944TR-ND	5,000	261.50/M	640921-2
	22-18	Red	.110 x .020	.140	A09050-ND	.34	.30	640923-1	A09050CT-ND	—	247.63	A09050TR-ND	5,000	198.10/M	640923-2
	22-18	Red	.110 x .032	.140	A09051-ND	.34	.30	640925-1	A09051CT-ND	—	247.63	A09051TR-ND	5,000	198.10/M	640925-2
	16-14	Blue	.110 x .020	.170	A0912-ND	.34	.30	640929-1	A0912CT-ND	—	247.63	A0912TR-ND	4,000	198.10/M	640929-2
	16-14	Blue	.110 x .032	.170	A27967-ND	.34	.30	640931-1	A27967CT-ND	—	247.63	A27967TR-ND	4,000	198.10/M	640931-2
	16-14	Blue	.110 x .016	.170	A27964-ND	.34	.30	640927-1	A27964CT-ND	—	247.63	A27964TR-ND	4,000	198.10/M	640927-2
.110" Standard															
1	22	Red/Green	.110 x .016	.040 - 0.80	A28002-ND#	.85	.75	55319-1	—	—	—	—	—	—	—
	22-18	Trans.	.110 x .016	.110	A27942-ND§	.35	.31	61048-1	A27942CT-ND§	—	385.10	A27942TR-ND§	5,000	308.08/M	61048-2
	22-18	Trans.	.110 x .020	.100	A09049-ND§	.35	.31	61060-1	A09049CT-ND§	—	265.90	A09049TR-ND§	5,000	212.72/M	61060-2
	22-18	Trans.	.110 x .032	.100	A0911-ND§	.35	.31	60894-1	A0911CT-ND§	—	265.90	A0911TR-ND§	5,000	212.72/M	60894-2
.187" Series															
1	26-24	Yellow		.082	A27940-ND§	.25	.23	641321-1	A27940CT-ND§	—	326.88	A27940TR-ND§	5,000	196.13/M	641321-2
	22-18	Red	.187 x .020	.135	A0909-ND	.25	.23	640917-1	A0909CT-ND	—	201.73	A0909TR-ND	4,000	161.38/M	640917-2
	16-14	Blue		.170	A0910-ND	.34	.30	640919-1	A0910CT-ND	—	247.63	A0910TR-ND	4,000	198.10/M	640919-2
.205" Series															
1	22-18	Red	.205 x .020	.135	A09047-ND	.34	.30	640909-1	A09047CT-ND	—	247.63	A09047TR-ND	4,000	198.10/M	640909-2
	22-18	Red/Black	.205 x .020	.140	A27955-ND	.68	.60	640174-1	—	—	—	—	—	—	—
	22-18	Red	.205 x .032	.135	A0907-ND	.34	.30	640911-1	A0907CT-ND	—	247.63	A0907TR-ND	4,000	198.10/M	640911-2
	16-14	Blue	.205 x .020	.170	A09048-ND	.34	.30	640913-1	A09048CT-ND	—	326.88	A09048TR-ND	4,000	261.50/M	640913-2
	16-14	Blue	.205 x .032	.170	A0908-ND	.34	.30	640915-1	A0908CT-ND	—	326.88	A0908TR-ND	4,000	261.50/M	640915-2
.250" Series															
1	22-18	Red		.140	A0903-ND	.25	.23	640903-1	A0903CT-ND	—	201.73	A0903TR-ND	4,000	161.38/M	640903-2
	22-18	Red		.140	A27957-ND*	.41	.36	55675-1	A27957CT-ND*	—	331.88	A27957TR-ND	4,000	265.50/M	55675-2
	16-14	Blue		.170	A0904-ND	.25	.23	640905-1	A0904CT-ND	110.95	201.73	A0904TR-ND	3,500	161.38/M	640905-2
	14-12	Green	.250 x .032	.250	A0905-ND§	.47	.41	42844-1	A0905CT-ND§	192.75	350.45	A0905TR-ND§	2,500	280.36/M	42844-3
	14-12	Green		.250	A27977-ND§◊	.51	.45	42844-2	—	—	—	—	—	—	—
	12-10	Yellow		.250	A0906-ND	.37	.33	640907-1	A0906CT-ND	155.20	282.18	A0906TR-ND	2,500	225.74/M	640907-2
	12-10	Yellow		.250	A27976-ND	.94	.83	61198-2	—	—	—	—	—	—	—

§ Not UL or CSA approved or listed # Insulation restricted *Unplated receptacle body ◊ Receptable material is phosphor bronze

Ultra-Fast FASTON Receptacles

Fig.	AWG Color	Insulation Diameter	Mating Tab	Digi-Key Part No.	Price Each 10	Price Each 100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 500	Cut Strip Pricing 1,000	Digi-Key Part No.	Strip & Reel Size	Strip & Reel Pricing	AMP Part No.
Ultra-Fast Plus Fully Insulated														
.110" Series														
2	22-18 Red	.060-.120	.020	—	—	—	—	A27844CT-ND	85.20	146.34	A27844TR-ND	3,000	130.08/M	2-520932-2
.187" Series														
2	22-18 Red	.060-.135	.020	A27846-ND	.35	.30	2-520409-2	A27846CT-ND	91.12	165.68	A27846TR-ND	2,700	132.55/M	2-520401-2
	22-18 Red	.060-.135	.032	A27848-ND	.35	.30	2-520411-2	A27848CT-ND	91.12	165.68	A27848TR-ND	2,700	132.55/M	2-520403-2
	16-14 Blue	.090-.160	.020	A27850-ND	.35	.30	3-520410-2	A27850CT-ND	—	165.68	A27850TR-ND	2,200	132.55/M	3-520402-2
	16-14 Blue	.090-.160	.032	A27852-ND	.35	.30	3-520412-2	A27852CT-ND	—	165.68	A27852TR-ND	2,200	132.55/M	3-520404-2
.250" Series														
2	22-18 Red	.060-.135	.032	A27854-ND	.38	.33	2-520407-2	A27854CT-ND	100.02	181.85	A27854TR-ND	2,200	145.49/M	2-520405-2
	16-14 Blue	.090-.160		A27856-ND	.38	.33	3-520408-2	A27856CT-ND	100.02	181.85	A27856TR-ND	2,200	145.49/M	3-520406-2
Ultra-Fast Fully Insulated														
.110" Series														
2	26-22 Violet	.100	.020	A27793-ND	.28	.25	7-520366-2	A27793CT-ND	—	154.90	A27793TR-ND	3,000	123.92/M	7-520365-2
	22-18 Red	.120	.016	A27795-ND	.28	.25	2-520081-2	A27795CT-ND	—	154.90	A27795TR-ND	3,000	123.92/M	2-520080-2
	22-18 Red	.120	.020	A27797-ND	.25	.22	2-520084-2	A27797CT-ND	—	154.90	A27797TR-ND	3,000	123.92/M	2-520083-2
	22-18 Red	.120	.032	A27799-ND	.28	.25	2-520273-2	A27799CT-ND	—	154.90	A27799TR-ND	3,000	123.92/M	2-520272-2
	22-18 Red	.230	.020	—	—	—	—	A27800CT-ND	90.98	156.26	A27800TR-ND	2,000	138.90/M	2-520306-2
	22-18 Red	.230	.032	—	—	—	—	A27801CT-ND	90.98	156.26	A27801TR-ND	2,000	138.90/M	2-520310-2
	16-14 Blue	.260	.020	—	—	—	—	A27802CT-ND	90.98	156.26	A27802TR-ND	2,000	138.90/M	3-520370-2
.187" Series														
2	22-18 Red	.135	.020	A27804-ND	.23	.21	2-520182-2	A27804CT-ND	78.79	143.25	A27804TR-ND	2,700	114.60/M	2-520181-2
	22-18 Red	.135	.032	A27806-ND	.26	.23	2-520194-2	A27806CT-ND	78.79	143.25	A27806TR-ND	2,700	114.60/M	2-520193-2
	22-18 Red	.230	.020	—	—	—	—	A27807CT-ND	84.10	144.45	A27807TR-ND	2,000	128.40/M	2-520261-2
	22-18 Red	.230	.032	A27809-ND	.29	.25	2-520275-2	A27809CT-ND	—	177.53	A27809TR-ND	2,000	142.02/M	2-520274-2
	16-14 Blue	.160	.020	A27811-ND	.26	.23	3-350816-2	A27811CT-ND	78.79	143.25	A27811TR-ND	2,200	114.60/M	3-350815-2
	16-14 Blue	.160	.032	A27813-ND	.26	.23	3-520125-2	A27813CT-ND	78.79	143.25	A27813TR-ND	2,200	114.60/M	3-520124-2
	16-14 Blue	.260	.020	A27815-ND	.29	.25	3-520151-2	A27815CT-ND	—	160.50	A27815TR-ND	2,000	128.40/M	3-520150-2
.250" Series														
2	22-18 Red	.135	.032	A27817-ND	.25	.22	2-520184-2	A27817CT-ND	86.50	157.28	A27817TR-ND	2,200	125.82/M	2-520183-2
	22-18 Red	.135		A27819-ND†	.39	.35	2-520184-4	A27819CT-ND†	—	206.88	A27819TR-ND†	2,200	165.50/M	2-520183-4
	22-18 Red	.230		A27821-ND	.31	.28	2-520264-2	A27821CT-ND	—	176.25	A27821TR-ND	2,000	141.00/M	2-520263-2
	22-18 Red	.230		—	—	—	—	A27822CT-ND†	121.42	208.55	A27822TR-ND†	2,000	185.38/M	2-520263-4
	16-14 Blue	.160	.032	A27824-ND	.25	.22	3-350820-2	A27824CT-ND	86.50	157.28	A27824TR-ND	2,200	125.82/M	3-350819-2
	16-14 Blue	.160		A27826-ND†	.39	.35	3-520117-2	A27826CT-ND†	—	206.88	A27826TR-ND†	2,200	165.50/M	3-520116-2
	16-14 Blue	.260		A27828-ND	.28	.25	3-520141-2	A27826CT-ND	—	176.25	A27828TR-ND	2,000	141.00/M	3-520140-2
	16-14 Blue	.260		—	—	—	—	A27829CT-ND†	121.42	208.55	A27829TR-ND†	2,000	185.38/M	3-520140-4
	12-10 Yellow	.320		A27831-ND	.35	.31	4-520448-2	A27831CT-ND	111.58	202.88	A27831TR-ND	1,500	162.30/M	4-520447-2
Ultra-Fast Fully Insulated Faston Tabs														
.250" Series														
—	22-18 Red	.135	.032	A27906-ND	.43	.38	2-520103-2	—	—	—	A27906TR-ND	1,400	231.06/M	2-520102-2
	16-14 Blue	.160		A27907-ND	.43	.38	3-520107-2	—	—	—	A27907TR-ND	1,400	231.06/M	3-520106-2
Ultra-Fast Fully Insulated Faston Flag Receptacles														
.187" Series														
3	22-18 Red	.165	.020	A27833-ND	.44	.39	2-520335-2	A27833CT-ND	—	262.05	A27833TR-ND	2,200	209.65/M	2-520334-2
	22-18 Red	.165	.032	A27835-ND	.44	.39	2-520337-2	A27835CT-ND	—	262.05	A27835TR-ND	2,200	209.65/M	2-520336-2
	16-14 Blue	.185	.020	A27837-ND	.44	.39	3-520339-2	A27837CT-ND	—	262.05	A27837TR-ND	2,200	209.65/M	3-520338-2
	16-14 Blue	.185	.032	—	—	—	—	A27838CT-ND	137.31	235.85	A27838TR-ND	2,200	209.65/M	3-520340-2
.250" Series														
3	22-18 Red	.165	.032	A27840-ND	.42	.37	2-520129-2	A27840CT-ND	—	282.13	A27840TR-ND	2,200	225.70/M	2-520128-2
	22-18 Red	.230		—	—	—	—	A27841CT-ND	149.93	239.88	A27841TR-ND	1,700	209.90/M	2-520856-2
	16-14 Blue	.185		A27843-ND	.42	.37	3-520133-2	A27843CT-ND	155.17	—	A27843TR-ND	2,100	225.70/M	3-520132-2

† Terminal base material is phosphor bronze

A28005-ND	Hand Tool for Fastons (without dies) **$245.66**	**A28007-ND**	Die Set Ultra-Fastons for 22-18 AWG, use with A28005-ND **$238.50**
A27992-ND	TETRA-CRIMP Hand Tool for PIDG Faston Receptacles **$369.26**	**A28008-ND**	Die Set Ultra-Fastons for 16-14 AWG, use with A28005-ND **$238.50**
A28009-ND	Ultra-Fast Plus Die Set for .187 and .250 Series (22-18 AWG), use with A28005-ND **$369.26**	**A27997-ND**	Hand Tool CERTI-CRIMP for PLASTI-GRIP and PIDG Fastons 26-24 ..... **$769.41**
A28010-ND	Ultra-Fast Plus Die Set for .187 and .250 Series (16-14 AWG), use with A28005-ND **$369.26**		

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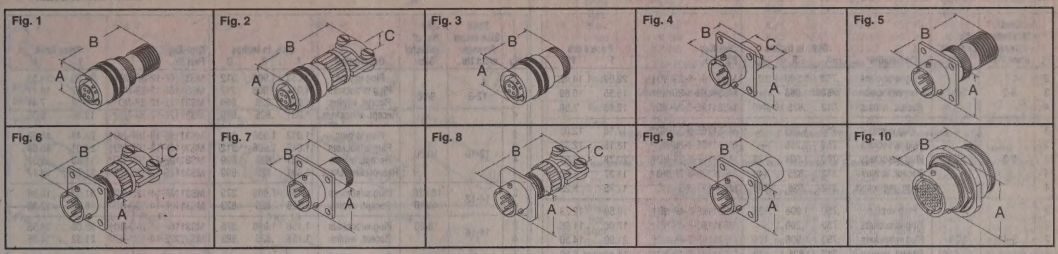
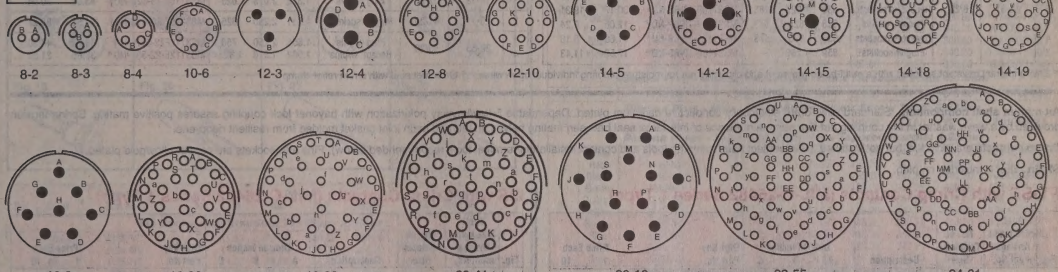


CONTACT LEGEND
● 16 ○ 20

Insert Patterns ***(Front face of pin insert shown)***
Drawings not to scale



Aluminum shell components. Standard olive drab, electrically conductive cadmium plated. Dependable 5 key/keyway polarization with bayonet lock coupling assures positive mating. Spring tension provided by a wave washer in the coupling nut ensures maintenance of interfacial seal between mating halves. Insert and main joint gasket molded from resilient neoprene.

Solder contacts are installed. Pins and sockets are copper alloy/gold plated.

PT solder series is UL recognized under file #E115497, Section 5

PT with Solder Contacts (MIL-C-26482 Series 1 Type)

Fig.	Shell Size Insert Arrangement No.	No. of Contacts/ Size	Description	Dim. in Inches A	B	C	Digi-Key Part No.	Price Each 1	10
2	8-2	2/20	Plug w/sockets	.750	1.906	.125	PT06A-8-2S(SR)-ND*	25.60	16.71
4			Recept. w/pins	.812	.825	.449	PT02A-8-2P-ND	11.65	8.16
2	8-3	3/20	Plug w/sockets	.750	1.906	.125	PT06A-8-3S(SR)-ND*	25.43	16.28
2			Plug w/sockets	.750	1.906	.125	PT06E-8-3S(SR)-ND*	27.07	17.33
4			Recept. w/pins	.812	.825	.449	PT02A-8-3P-ND	13.05	9.14
4			Recept. w/pins	.812	.825	.449	PT02E-8-3P-ND	12.21	7.33
1	8-4	4/20	Plug w/sockets	.750	1.609	—	PT06A-8-4S-ND	18.26	11.92
2			Plug w/pins	.750	1.906	.125	PT06E8-4P(SR)-ND*	17.95	12.57
2			Plug w/sockets	.750	1.906	.125	PT06E8-4S(SR)-ND*	26.93	17.24
2			Plug w/pins	.750	1.906	.125	PT06A-8-4P(SR)-ND*	24.01	15.68
2			Plug w/sockets	.750	1.906	.125	PT06A-8-4S(SR)-ND*	24.53	16.02
3			Plug w/sockets	.750	1.266	—	PT06E-8-4S-ND	19.76	12.90
4			Recept. w/pins	.812	.825	.449	PT02A8-4P-ND	12.39	7.44
4			Recept. w/sockets	.812	.825	.449	PT02A8-4S-ND	12.05	8.44
4			Recept. w/pins	.812	.825	.449	PT02E-8-4P-ND	12.00	8.40
4			Recept. w/sockets	.812	.825	.449	PT02E-8-4S-ND	11.76	7.06
2	10-6	6/20	Plug w/pins	.869	1.906	.188	PT06E10-6P(SR)-ND*	18.41	12.02
2			Plug w/sockets	.869	1.906	.188	PT06E10-6S(SR)-ND*	30.42	19.47
2			Plug w/pins	.859	1.906	.188	PT06A-10-6P(SR)-ND*	24.27	15.85
2			Plug w/sockets	.859	1.906	.188	PT06A-10-6S(SR)-ND*	28.26	18.09
4			Recept. w/pins	.938	.825	.573	PT02A10-6P-ND	11.95	8.37
4			Recept. w/sockets	.938	.825	.573	PT02A10-6S-ND	13.33	9.33
4			Recept. w/pins	.938	.825	.573	PT02E-10-6P-ND	13.83	9.68
4			Recept. w/sockets	.938	.825	.573	PT02E-10-6S-ND	15.80	11.06
5			Recept. w/pins	.938	1.553	—	PT00A-10-6P-ND	21.38	13.95
7			Recept. w/pins	.938	1.266	—	PT00E-10-6P-ND	24.25	15.83
8			Recept. w/pins	.938	1.922	.188	PT01A-10-6P(SR)-ND*	23.30	15.21
1	12-3	3/16	Plug w/sockets	1.013	1.609	—	PT06A-12-3S-ND	18.03	12.62
2			Plug w/pins	1.013	1.906	.312	PT06E12-3P(SR)-ND*	20.38	13.30
2			Plug w/sockets	1.013	1.906	.312	PT06E12-3S(SR)-ND*	21.80	14.23
2			Plug w/pins	1.013	1.906	.312	PT06A-12-3P(SR)-ND*	24.89	16.25
2			Plug w/sockets	1.013	1.906	.312	PT06A-12-3S(SR)-ND*	25.60	16.71
4			Recept. w/pins	1.031	.825	.699	PT02A12-3P-ND	11.16	6.70
4			Recept. w/sockets	1.031	.825	.699	PT02A12-3S-ND	17.53	12.27
4			Recept. w/pins	1.031	.825	.699	PT02E-12-3P-ND	12.54	7.53
2	12-4	4/16	Plug w/pins	1.013	1.906	.312	PT06A-12-4P(SR)-ND*	27.72	17.75
4			Recept. w/sockets	1.031	.825	.699	PT02E-12-4S-ND	18.81	12.28
1	12-8	8/20	Plug w/pins	1.013	1.609	—	PT06A-12-8P-ND	20.85	13.61
1			Plug w/sockets	1.013	1.609	—	PT06A-12-8S-ND	22.21	14.50
2			Plug w/pins	1.013	1.906	.312	PT06E-12-8P(SR)-ND*	26.06	16.68
2			Plug w/sockets	1.013	1.906	.312	PT06E-12-8S(SR)-ND*	32.06	20.52
4			Recept. w/pins	1.031	.825	.699	PT02E-12-8P-ND	13.25	9.28
2	12-10	10/20	Plug w/pins	1.013	1.906	.312	PT06E12-10P(SR)-ND*	22.33	14.57
2			Plug w/sockets	1.013	1.906	.312	PT06E12-10S(SR)-ND*	24.41	15.63
2	12-10	10/20	Plug w/pins	1.013	1.906	.312	PT06A-12-10P(SR)-ND*	17.46	11.40
2			Plug w/sockets	1.013	1.906	.312	PT06A-12-10S(SR)-ND*	22.44	14.65
4			Recept. w/pins	1.031	.825	.699	PT02A12-10P-ND	16.25	11.38
4			Recept. w/sockets	1.031	.825	.699	PT02A12-10S-ND	17.13	11.99
4			Recept. w/pins	1.031	.825	.699	PT02E-12-10P-ND	13.78	9.65
4			Recept. w/sockets	1.031	.825	.699	PT02E-12-10S-ND	13.35	9.35
2	14-5	5/16	Plug w/pins	1.156	1.906	.375	PT06E14-5P(SR)-ND*	27.61	17.67
2			Plug w/sockets	1.156	1.906	.375	PT06E14-5S(SR)-ND*	24.14	15.46
2			Plug w/sockets	1.156	1.906	.375	PT06A-14-5S(SR)-ND*	29.99	19.20
4			Recept. w/pins	1.125	.825	.823	PT02A14-5P-ND	14.90	10.43
4			Recept. w/sockets	1.125	.825	.823	PT02A14-5S-ND	21.04	13.74
4			Recept. w/pins	1.125	.825	.823	PT02E-14-5P-ND	12.18	8.53
2	14-12	8/#20, 4/#16	Plug w/pins	1.156	1.906	.375	PT06A-14-12P(SR)-ND*	21.26	13.88
2			Plug w/sockets	1.156	1.906	.375	PT06E-14-12S(SR)-ND*	24.56	16.03
4			Recept. w/pins	1.125	.825	.823	PT02E-14-12P-ND	12.46	8.74
4			Recept. w/sockets	1.125	.825	.823	PT02E-14-12S-ND	22.90	14.95
4			Recept. w/sockets	1.125	.825	.823	PT02A-14-12S-ND	20.76	13.55
4	14-15	14/#20, 1/#16	Recept. w/pins	1.125	.825	.823	PT02A-14-15P-ND	13.80	9.66
1	14-18	18/20	Plug w/pins	1.156	1.609	—	PT06A-14-18P-ND	19.24	12.56
2			Plug w/sockets	1.156	1.906	.375	PT06E-14-18S(SR)-ND*	29.23	18.71
4			Recept. w/pins	1.125	.825	.823	PT02A-14-18P-ND	18.28	12.80
4			Recept. w/sockets	1.125	.825	.823	PT02E-14-18S-ND	18.15	11.85
2	14-19	19/20	Plug w/pins	1.156	1.906	.375	PT06E14-19P(SR)-ND*	25.10	16.39
2			Plug w/sockets	1.156	1.906	.375	PT06E14-19S(SR)-ND*	28.01	17.93
2			Plug w/pins	1.156	1.906	.375	PT06A-14-19P(SR)-ND*	29.81	19.08
4			Recept. w/pins	1.125	.825	.823	PT02A14-19P-ND	18.50	12.95
4			Recept. w/sockets	1.125	.825	.823	PT02A14-19S-ND	19.14	12.50
2	16-8	8/16	Plug w/pins	1.281	2.047	.500	PT06E16-8P(SR)-ND*	34.81	22.28
2			Plug w/sockets	1.281	2.047	.500	PT06E16-8S(SR)-ND*	34.02	23.82
4			Recept. w/pins	1.219	.825	.949	PT02A16-8P-ND	14.18	9.93
4			Recept. w/sockets	1.219	.825	.949	PT02A16-8S-ND	16.85	11.80
4	16-26	26/20	Recept. w/pins	1.219	.825	.949	PT02A-16-26P-ND	21.68	14.16
2	20-16	16/16	Plug w/pins	1.531	2.250	.625	PT06E20-16P(SR)-ND*	43.08	30.16
2			Plug w/sockets	1.531	2.250	.625	PT06E20-16S(SR)-ND*	43.52	30.47
4			Recept. w/pins	1.438	1.076	1.199	PT02A20-16P-ND	27.47	17.59
4			Recept. w/sockets	1.438	1.076	1.199	PT02A20-16S-ND	34.66	24.27
2	22-55	55/20	Plug w/pins	1.656	2.250	.750	PT06E22-55P(SR)-ND*	53.94	37.76
2			Plug w/sockets	1.656	2.250	.750	PT06E22-55S(SR)-ND*	67.12	46.99
4			Recept. w/pins	1.562	1.076	1.323	PT02A22-55P-ND	33.42	23.40
4			Recept. w/sockets	1.562	1.076	1.323	PT02A22-55S-ND	37.94	26.56
1	24-61	61/20	Plug w/pins	1.776	1.750	—	PT06A-24-61P-ND	53.48	37.44
1			Plug w/sockets	1.776	1.750	—	PT06A-24-61S-ND	58.28	40.80

*(SR) at end of part number designates that a strain relief is included

(Continued)

Circular Bayonet Lock Connectors (Cont.)

MS with Solder Contacts (MIL-C-26482 Series 1 Type)

Fig.	Shell Size Insert Arrangement No.	No. of Contacts/ Size	Description	Dim. in Inches A	B	C	Digi-Key Part No.	Price Each 1	10
2			Plug w/sockets	.750	1.906	.125	MS3116F-8-2S-ND†	22.09	14.42
3	8-2	2/20	Plug w/sockets	.750	1.266	—	MS3116-8-2S-ND *	15.55	10.89
4			Recept. w/pins	.812	.825	.449	MS3112E-8-2P-ND *	12.63	7.58
3			Plug w/pins	.750	1.266	—	MS3116E-8-3P-ND *	17.18	12.03
3			Plug w/sockets	.750	1.266	—	MS3116E-8-3S-ND *	18.18	12.73
2	8-3	3/20	Plug w/sockets	.750	1.906	.125	MS3116F-8-3S-ND†	20.78	13.57
4			Recept. w/pins	.812	.825	.449	MS3112E-8-3P-ND *	11.37	6.83
4			Recept. w/sockets	.812	.825	.449	MS3112E-8-3S-ND	11.75	8.23
2			Plug w/pins	.750	1.906	.125	MS3116F-8-4P-ND†	19.50	12.73
3			Plug w/sockets	.750	1.266	—	MS3116E-8-4S-ND *	17.08	11.96
2	8-4	4/20	Plug w/sockets	.750	1.906	.125	MS3116F-8-4S-ND†	21.90	14.30
4			Recept. w/pins	.812	.825	.449	MS3112E-8-4P-ND *	11.43	6.86
4			Recept. w/sockets	.812	.825	.449	MS3112E-8-4S-ND *	14.45	10.12
2			Plug w/pins	.859	1.906	.188	MS3116F-10-6P-ND†	18.60	12.14
3			Plug w/sockets	.859	1.906	.188	MS3116F-10-6S-ND†	19.95	13.02
6			Recept. w/pins	.938	1.922	.188	MS3110F-10-6P-ND†	28.17	18.03
5	10-6	6/20	Recept. w/sockets	.938	1.922	.188	MS3110F-10-6S-ND†	30.17	19.31
4			Recept. w/pins	.938	.825	.573	MS3112E-10-6P-ND *	12.06	7.24
4			Recept. w/sockets	.938	.825	.573	MS3112E-10-6S-ND *	11.68	8.18
3			Plug w/sockets	.859	1.266	—	MS3116E-10-6S-ND *	17.50	11.43
2	12-3	3/16	Plug w/pins	1.013	1.906	.312	MS3116F-12-3P-ND†	22.25	14.53
2			Plug w/sockets	1.013	1.906	.312	MS3116F-12-3S-ND†	24.77	16.17
4			Recept. w/pins	1.031	.825	.699	MS3112E-12-3P-ND *	10.58	7.41
4			Recept. w/sockets	1.031	.825	.699	MS3112E-12-3S-ND *	13.35	9.35
2			Plug w/pins	1.013	1.906	.312	MS3116F-12-10P-ND†	23.49	15.33
2			Plug w/sockets	1.013	1.906	.312	MS3116F-12-10S-ND†	24.01	15.68
4	12-10	10/20	Recept. w/pins	1.031	.825	.699	MS3112E-12-10P-ND *	11.88	8.32
4			Recept. w/sockets	1.031	.825	.699	MS3112E-12-10S-ND *	21.71	14.17
2			Plug w/sockets	1.156	1.906	.375	MS3116F-14-12S-ND†	31.03	19.86
4	14-12	18/#20, 4/#16	Recept. w/pins	1.125	.825	.823	MS3112E-14-12P-ND *	18.93	12.36
2			Plug w/sockets	1.156	1.906	.375	MS3116F-14-18S-ND†	35.06	24.55
4	14-18	18/20	Recept. w/pins	1.125	.825	.823	MS3112E-14-18P-ND *	21.52	14.05
2			Plug w/sockets	1.156	1.906	.375	MS3116F-14-19S-ND†	34.62	24.24
4	14-19	19/20	Recept. w/pins	1.125	.825	.823	MS3112E-14-19P-ND *	18.20	12.74
2			Plug w/sockets	1.281	2.047	.500	MS3116F-16-26S-ND†	35.42	24.80
4	16-26	26/20	Recept. w/pins	1.219	.825	.949	MS3112E-16-26P-ND *	20.02	13.07
2	18-32	32/20	Plug w/pins	1.319	2.078	.625	MS3116F-18-32P-ND†	43.62	30.54
2	20-41	41/20	Plug w/sockets	1.531	2.250	.625	MS3116F-20-41S-ND†	54.58	38.21
2	22-55	55/20	Plug w/pins	1.656	2.250	.750	MS3116F22-55P-ND†	63.28	44.30
4			Recept. w/pins	1.562	1.076	1.323	MS3112E-22-55P-ND *	33.66	21.55

* Environmental resistant supplied with a multi-holed grommet and clamping nut for moisture-proofing individual open wires † Grommet seal with strain relief clamp

Aluminum shell components. Standard olive drab, electrically conductive cadmium plated. Dependable 5 key/keyway polarization with bayonet lock coupling assures positive mating. Spring tension provided by a wave washer in the coupling nut ensures maintenance of interfacial seal between mating halves. Insert and main joint gasket molded from resilient neoprene.

Crimp contacts are included, but not installed. (See contact hand crimping tools and contact installation/removal tools recommended below). Pins and sockets are copper alloy/gold plated.

Strain relief is included on plug.

PT-SE with Crimp Contacts (MIL-C-26482 Series 1 Type)

Fig.	Shell Size Insert Arrangement No.	No. of Contacts/ Size	Description	Dim. in Inches A	B	C	Digi-Key Part No.	Price Each 1	10
2			Plug w/pins	.859	2.413	.188	PT06SE10-6P(SR)-ND *	32.74	20.96
2	10-6	6/20	Plug w/sockets	.859	2.413	.188	PT06SE10-6S(SR)-ND *	28.37	18.16
9			Recept. w/pins	.954	1.296	—	PT02SE10-6P-ND	27.72	17.75
9			Recept. w/sockets	.954	1.296	—	PT02SE10-6S-ND	33.75	21.60
2			Plug w/pins	1.031	2.413	.312	PT06SE12-10P(SR)-ND *	32.46	22.73
2	12-10	10/20	Plug w/sockets	1.031	2.413	.312	PT06SE12-10S(SR)-ND *	27.32	17.49
9			Recept. w/pins	1.047	1.296	—	PT02SE12-10P-ND	28.04	17.95
9			Recept. w/sockets	1.047	1.296	—	PT02SE12-10S-ND	32.44	22.71
2			Plug w/pins	1.281	2.528	.500	PT06SE16-8P(SR)-ND *	46.06	32.25
2	16-8	8/16	Plug w/sockets	1.281	2.528	.500	PT06SE16-8S(SR)-ND *	56.62	39.64
9			Recept. w/pins	1.234	1.296	—	PT02SE16-8P-ND	44.90	31.43
9			Recept. w/sockets	1.234	1.296	—	PT02SE16-8S-ND	50.88	35.62
2			Plug w/pins	1.391	2.528	.625	PT06SE18-32P(SR)-ND *	59.50	41.65
2	18-32	32/20	Plug w/sockets	1.391	2.528	.625	PT06SE18-32S(SR)-ND *	70.54	49.38
9			Recept. w/pins	1.328	1.296	—	PT02SE18-32P-ND	54.26	37.99
9			Recept. w/sockets	1.328	1.296	—	PT02SE18-32S-ND	57.60	40.32
2			Plug w/pins	1.531	2.753	.625	PT06SE20-16P(SR)-ND *	32.36	22.66
2	20-16	16/16	Plug w/sockets	1.531	2.753	.625	PT06SE20-16S(SR)-ND *	73.00	51.10
9			Recept. w/pins	1.453	1.358	—	PT02SE20-16P-ND	53.94	37.76
9			Recept. w/sockets	1.453	1.358	—	PT02SE20-16S-ND	65.48	45.84
2			Plug w/pins	1.656	2.753	.750	PT06SE22-55P(SR)-ND *	73.86	51.71
2	22-55	55/20	Plug w/sockets	1.656	2.753	.750	PT06SE22-55S(SR)-ND *	57.36	40.16
9			Recept. w/pins	1.578	1.358	—	PT02SE22-55P-ND	71.42	50.00
9			Recept. w/sockets	1.578	1.358	—	PT02SE22-55S-ND	82.82	57.98
2			Plug w/pins	1.777	2.830	.800	PT06SE24-61P(SR)-ND *	56.66	39.67
2	24-61	61/20	Plug w/sockets	1.777	2.830	.800	PT06SE24-61S(SR)-ND *	72.16	50.52
9			Recept. w/pins	1.703	1.358	—	PT02SE24-61P-ND	81.32	56.93
9			Recept. w/sockets	1.703	1.358	—	PT02SE24-61S-ND	108.78	76.15

* (SR) at end of part number designates that a strain relief is included.

MS with Crimp Contacts (MIL-C-26482 Series 1 Type)

Fig.	Shell Size Insert Arrangement No.	No. of Contacts/ Size	Description	Dim. in Inches A	B	C	Digi-Key Part No.	Price Each 1	10
2			Plug w/pins	—	2.413	.188	MS3126F-10-6P-ND	27.83	17.82
2			Plug w/sockets	—	2.413	.188	MS3126F-10-6S-ND	28.07	18.33
6	10-6	6/20	Recept. w/pins	.954	2.422	.188	MS3120F-10-6P-ND	33.39	21.32
6			Recept. w/sockets	.954	2.422	.188	MS3120F-10-6S-ND	32.27	20.65
9			Recept. w/pins	.954	1.296	—	MS3122E-10-6P-ND	29.33	19.15
8			Recept. w/sockets	.955	2.422	.188	MS3121F-10-6S-ND	33.03	21.14
2			Plug w/sockets	1.031	2.413	.312	MS3126F-12-3S-ND	34.18	21.88
6	12-3	3/16	Recept. w/pins	1.047	2.422	.312	MS3120F-12-3P-ND	32.00	20.48
9			Recept. w/pins	1.047	1.296	—	MS3122E-12-3P-ND	25.94	16.61
2			Plug w/pins	1.031	2.413	.312	MS3126F-12-10P-ND	29.63	18.97
2			Plug w/sockets	1.031	2.413	.312	MS3126F-12-10S-ND	28.79	18.79
7	12-10	10/20	Recept. w/pins	1.047	1.328	.312	MS3120E-12-10P-ND	35.98	23.49
9			Recept. w/pins	1.047	1.296	—	MS3122E-12-10P-ND	24.20	15.80
9			Recept. w/sockets	1.047	1.296	—	MS3122E-12-10S-ND	23.39	15.27
2	14-5	5/16	Plug w/sockets	1.156	2.413	.375	MS3126F-14-5S-ND	37.87	24.24
9			Recept. w/pins	1.141	1.296	—	MS3122E-14-5P-ND	24.75	16.16
2	14-12	8/#20, 4/#16	Plug w/sockets	1.156	2.413	.375	MS3126F-14-12S-ND	40.05	25.64
9			Recept. w/pins	1.141	1.296	—	MS3122E-14-12P-ND	28.01	17.93
2	14-15	14/#20, 1/#16	Plug w/sockets	1.156	2.413	.375	MS3126F-14-15S-ND	38.43	24.60
2	14-18	18/20	Plug w/sockets	1.156	2.413	.375	MS3126F-14-18S-ND	33.93	21.72
9			Recept. w/pins	1.141	1.296	—	MS3122E-14-18P-ND	29.16	18.67
2			Plug w/pins	1.156	2.413	.375	MS3126F-14-19P-ND	37.60	24.07
2			Plug w/sockets	1.156	2.413	.375	MS3126F-14-19S-ND	35.73	22.87
9	14-19	19/20	Recept. w/pins	1.141	1.296	—	MS3122E-14-19P-ND	30.13	19.29
6			Recept. w/sockets	1.141	2.422	.375	MS3120F-14-19S-ND	35.94	25.16
10			Recept. w/sockets	1.391	1.438	—	MS3124E-14-19S-ND	47.04	32.93
2	16-8	8/16	Plug w/pins	1.281	2.528	.500	MS3126F-16-8P-ND	34.90	22.34
2			Plug w/pins	1.281	2.528	.500	MS3126F-16-26P-ND	39.40	27.58
2	16-26	26/20	Plug w/sockets	1.281	2.528	.500	MS3126F-16-26S-ND	39.16	27.42
9			Recept. w/pins	1.234	1.296	—	MS3122E-16-26P-ND	36.86	23.59
2	18-11	11/16	Plug w/sockets	1.391	2.528	.625	MS3126F-18-11S-ND	54.56	38.20
2	20-16	16/16	Plug w/sockets	1.531	2.753	.625	MS3126F-20-16S-ND	62.58	43.81
2			Plug w/sockets	1.531	2.753	.625	MS3126F-20-41S-ND	52.06	36.45
6	20-41	41/20	Recept. w/sockets	1.453	2.824	.625	MS3120F-20-41S-ND	57.24	36.64
9			Recept. w/pins	1.453	1.358	—	MS3122E-20-41P-ND	46.08	32.26
2			Plug w/sockets	1.656	2.753	.750	MS3126F-22-55S-ND	57.82	40.48
9	22-55	55/20	Recept. w/pins	1.578	1.358	—	MS3122E-22-55P-ND	50.84	35.59
9			Recept. w/sockets	1.578	1.358	—	MS3122E-22-55S-ND	52.14	36.50
2	24-61	61/20	Plug w/sockets	1.777	2.830	.800	MS3126F-24-61S-ND	71.94	50.36

Replacement Crimp Contacts

Desc.	Contact Size	Digi-Key Part No.	Price Each 1	10	50
Replacement Pin	16	10-314980-16P-ND	1.62	.97	.63
Replacement Pin	20	10-314980-20P-ND	1.00	.60	.39
Replacement Socket	16	10-257982-16F-ND	2.66	1.59	1.04
Replacement Socket	20	LP-597820-355-ND	1.54	.92	.60

ASTRO TOOL CORP.
CONNECTOR ASSEMBLY TOOLING

Tools

Contact Size	Hand Crimping Tool — Military Standard Tool Part No. Tool Frame	Price Each	Turret Head	Price Each	Insertion Tool — Production Metal Pliers	Price Each	Prototype Plastic	Price Each	Military Standard Part No.	Price Each	Removal Tool — Prototype	Price Each	Military Standard Part No.	Price Each
20	615708-ND	246.05	615709-ND	94.16	ATBX1-8107-20-ND	166.38	ATA1086-ND	28.06	ATML1703B-ND	25.67	AT2020-ND	33.72	M81969/19B-06-ND	33.72
16	615708-ND	246.05	615709-ND	94.16	ATBX1-8107-16-ND	166.38	ATA1101-ND	33.72	ATML1704B-ND	25.67	AT2016-ND	33.72	M81969/19B-01-ND	51.27

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EMERSON Network Power

Plugs and Jacks

JOHNSON

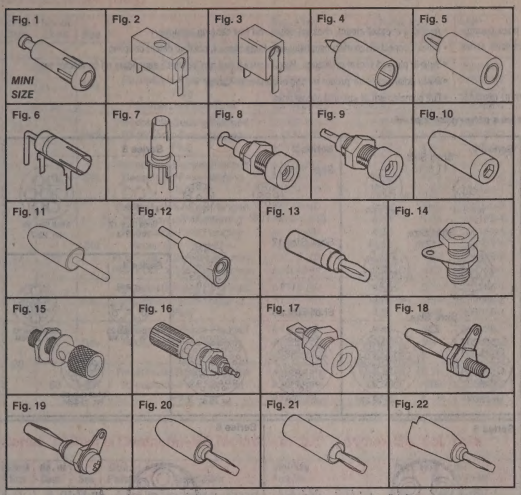


Fig.	Color	Digi-Key Part No.	1	10	100	250	500	1,000	Johnson Part No.
Tip Jacks – for Standard Tip Plug: 2.03mm									
1	White	J330-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1041-001
	Red	J124-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1042-001
	Black	J125-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1043-001
	Green	J331-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1044-001
	Yellow	J333-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1047-001
	Blue	J126-ND	1.27	11.33	89.68	188.80	354.00	660.80	105-1050-001
Horizontal Test Jacks – for Standard Tip Plug: 2.03mm									
2	White	J108-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0751-001
	Red	J109-ND*	.46	4.06	32.11	67.60	126.75	236.60	105-0752-001
	Black	J110-ND*	.46	4.06	32.11	67.60	126.75	236.60	105-0753-001
	Green	J111-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0754-001
	Orange	J112-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0756-001
	Yellow	J113-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0757-001
	Brown	J114-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0758-001
	Blue	J115-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0760-001
	Violet	J116-ND	.46	4.06	32.11	67.60	126.75	236.60	105-0762-001
Horizontal Insulated Miniature Test Jacks – for Standard Tip Plug: 2.03mm									
3	White	J575-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1101-001
	Red	J576-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1102-001
	Black	J577-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1103-001
	Green	J578-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1104-001
	Yellow	J579-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1107-001
	Blue	J580-ND	.45	3.96	31.35	66.00	123.75	231.00	105-1110-001
Vertical Test Jacks – for Standard Tip Plug: 2.03mm									
4	White	J119-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0851-001
	Red	J120-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0852-001
	Black	J121-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0853-001
	Green	J122-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0854-001
	Yellow	J123-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0857-001
	Blue	J312-ND	.69	6.14	48.64	102.40	192.00	358.40	105-0860-001
Vertical Insulated Formed Contact Test Jacks – for Standard Tip Plug: 2.03mm									
5	White	J581-ND	.62	5.54	43.89	92.40	173.25	323.40	105-2201-201
	Red	J582-ND	.62	5.54	43.89	92.40	173.25	323.40	105-2202-201
	Black	J583-ND	.62	5.54	43.89	92.40	173.25	323.40	105-2203-201
	Green	J584-ND	.62	5.54	43.89	92.40	173.25	323.40	105-2204-201
	Yellow	J585-ND	.62	5.54	43.89	92.40	173.25	323.40	105-2207-201
Shielded Test Jack – Horizontal									
6	Tin	J463-ND	4.77	42.43	335.92	707.20	1326.00	2475.20	129-0701-301
	Gold	J571-ND	5.89	51.61	380.31	814.95	1358.25	—	129-0701-302
Shielded Test Jack – Vertical									
7	Tin	J462-ND	4.44	39.50	312.74	658.40	1234.50	2304.40	129-0701-201
	Gold	J570-ND	5.49	48.11	354.48	759.60	1266.00	—	129-0701-202
Tip Jacks – Insulated Deluxe: 2.00mm									
8	White	J105-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0601-001
	Red	J106-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0602-001
	Black	J107-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0603-001
	Green	J337-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0604-001
	Yellow	J338-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0607-001
	Blue	J339-ND	1.33	11.86	93.86	197.60	370.50	691.60	105-0610-001
Tip Jacks – Insulated Standard Type: 2.00mm									
9	White	J320-ND	.77	6.84	54.15	114.00	213.75	399.00	105-0801-001
	Red	J117-ND*	.77	6.84	54.15	114.00	213.75	399.00	105-0802-001
	Black	J118-ND*	.77	6.84	54.15	114.00	213.75	399.00	105-0803-001
	Green	J321-ND	.77	6.84	54.15	114.00	213.75	399.00	105-0804-001
	Yellow	J323-ND	.77	6.84	54.15	114.00	213.75	399.00	105-0807-001
	Blue	J325-ND	.77	6.84	54.15	114.00	213.75	399.00	105-0810-001
Tip Jacks with Sleeve Assembly: 2.00mm									
10	White	J450-ND	1.59	14.11	111.72	235.20	441.00	823.20	105-0701-001
	Red	J451-ND	1.59	14.11	111.72	235.20	441.00	823.20	105-0702-001
	Black	J452-ND	1.59	14.11	111.72	235.20	441.00	823.20	105-0703-001

Fig.	Color	Digi-Key Part No.	1	10	100	250	500	1,000	Johnson Part No.
Tip Plugs – Insulated Solderless Type: 2.00mm									
11	White	J300-ND	.93	8.23	65.17	137.20	257.25	480.20	105-0301-001
	Red	J103-ND*	.93	8.23	65.17	137.20	257.25	480.20	105-0302-001
	Black	J104-ND*	.93	8.23	65.17	137.20	257.25	480.20	105-0303-001
	Green	J301-ND	.93	8.23	65.17	137.20	257.25	480.20	105-0304-001
	Blue	J305-ND	.93	8.23	65.17	137.20	257.25	480.20	105-0310-001
Tip Plugs – Insulated Stacking Single Type: 2.00mm									
12	Red	J454-ND	2.19	19.44	153.90	324.00	607.50	1134.00	105-1202-001
Miniature Banana Plugs – Insulated Solder Type: 2.64mm									
13	Red	J457-ND	1.84	16.34	129.39	272.40	510.75	953.40	108-1002-001
	Black	J458-ND	1.84	16.34	129.39	272.40	510.75	953.40	108-1003-001
Banana Jack – for Standard Banana Plug 4.44mm Across Flats									
14	—	J147-ND*	1.48	13.13	103.93	218.80	410.25	765.80	108-0740-001
Uninsulated w/Knuried Thumb Nut for Standard Banana Plug 4.44mm Across Flats									
15	—	J587-ND	2.85	25.32	200.45	422.00	791.25	1477.00	111-2223-001
Binding Posts – Insulated Standard: 4.44mm									
16	White	J370-ND	2.40	21.31	168.72	355.20	666.00	1243.20	111-0101-001
	Red	J164-ND*	2.40	21.31	168.72	355.20	666.00	1243.20	111-0102-001
	Black	J165-ND*	2.40	21.31	168.72	355.20	666.00	1243.20	111-0103-001
	Green	J371-ND	2.59	22.99	182.02	383.20	718.50	1341.20	111-0104-001
	Yellow	J372-ND	2.40	21.31	168.72	355.20	666.00	1243.20	111-0107-001
Banana Jacks – Insulated Solder Terminal: 4.44mm									
17	White	J150-ND*	.59	5.26	41.61	87.60	164.25	306.60	108-0901-001
	Red	J151-ND*	.59	5.26	41.61	87.60	164.25	306.60	108-0902-001
	Black	J152-ND*	.59	5.26	41.61	87.60	164.25	306.60	108-0903-001
	Green	J153-ND	.66	5.83	46.17	97.20	182.25	340.20	108-0904-001
	Orange	J356-ND	.59	5.26	41.61	87.60	164.25	306.60	108-0906-001
	Yellow	J154-ND	.59	5.26	41.61	87.60	164.25	306.60	108-0907-001
	Brown	J357-ND	.66	5.83	46.17	97.20	182.25	340.20	108-0908-001
	Blue	J155-ND	.59	5.26	41.61	87.60	164.25	306.60	108-0910-001
	Violet	J358-ND	.66	5.83	46.17	97.20	182.25	340.20	108-0912-001
	Gray	J359-ND	.59	5.26	41.61	87.60	164.25	306.60	108-0913-001
Banana Plug – Uninsulated Panel Mount Threaded Stud: 4.23mm									
18	—	J148-ND	1.56	13.90	110.01	231.60	434.25	810.60	108-0750-001
Banana Plug – Uninsulated Panel Mount Screw Type: 4.23mm									
19	—	J149-ND	1.34	11.95	94.62	199.20	373.50	697.20	108-0753-001
Banana Plugs – Insulated Solderless Tapered Handle: 4.23mm									
20	White	J144-ND*	1.25	11.11	87.97	185.20	347.25	648.20	108-0301-001
	Red	J145-ND*	1.25	11.11	87.97	185.20	347.25	648.20	108-0302-001
	Black	J146-ND*	1.25	11.11	87.97	185.20	347.25	648.20	108-0303-001
	Green	J340-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0304-001
	Orange	J341-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0306-001
	Yellow	J342-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0307-001
	Brown	J343-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0308-001
	Blue	J344-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0310-001
	Violet	J345-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0312-001
	Gray	J346-ND	1.25	11.11	87.97	185.20	347.25	648.20	108-0313-001
Banana Plugs – Insulated Round Body Solder Stud: 4.23mm									
21	Red	J156-ND	2.51	22.32	176.70	372.00	697.50	1302.00	108-1722-101
	Black	J157-ND	2.51	22.32	176.70	372.00	697.50	1302.00	108-1723-101
Banana Plugs – Insulated Round Body Solderless: 4.23mm									
21	Red	J158-ND	1.91	16.97	134.33	282.80	530.25	989.80	108-1722-108
	Black	J159-ND	1.91	16.97	134.33	282.80	530.25	989.80	108-1723-103
Banana Plugs – Insulated Stacking Single Type: 4.23mm									
22	White	J459-ND	2.08	18.48	146.30	308.00	577.50	1078.00	108-1081-001
	Red	J460-ND	2.08	18.48	146.30	308.00	577.50	1078.00	108-1082-001
	Black	J461-ND	2.08	18.48	146.30	308.00	577.50	1078.00	108-1083-001

J100-KIT-ND ***Digi-Key® Plug & Jack Kit*** Contains 10 each of the plugs or jacks as denoted (*) on chart. Price includes compartment divided plastic box for easy storage and quick access.....**$76.95**

tyco AMP Electronics

Micro Circular Metal Shell Connectors

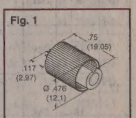
Small, rugged circular connector

Applications: • Medical • Industrial • Military • Aerospace

Features: • High cycle life spring probe and pad contact interface • High density for limited space applications • Precision, screw machine contacts

Electrical: • Current Carrying Capacity: 1A • Operating Voltage: 200VAC maximum

Mechanical: • Environmental sealing: IP 67 - water immersion, 1M for 30 minutes • Wire size: 24-30 AWG • Maximum Operating Temperature: 392°F (200°C)



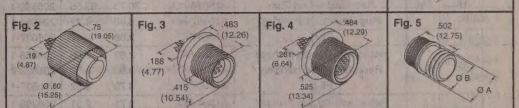


Fig.	No. of Pos.	Shell Size	Contact System	Dimensions – Inch (mm) A	B	Digi-Key Part No.	Price Each 1	100	1000	Tyco/AMP Part No.
Plug Assembly										
1	7	M11	Spring Probe	—	—	A30545-ND	40.59	29.11	24.75	1738548-1
	7	M11	Pin	—	—	A30547-ND	35.53	25.48	21.67	1738541-1
2	19	M14	Spring Probe	—	—	A30546-ND	58.34	41.84	35.58	1738552-1
	19	M14	Pin	—	—	A30548-ND	54.55	39.12	33.27	1738550-1
Rear Panel Mount Receptacle Assembly										
3	7	M11	Spring Probe	—	—	A30551-ND	26.63	19.10	16.24	1604750-1
	7	M11	Socket	—	—	A30543-ND	25.38	18.20	15.48	1738547-1
4	19	M14	Spring Probe	—	—	A30552-ND	40.59	29.11	24.75	1738553-1
	19	M14	Socket	—	—	A30544-ND	36.78	26.38	22.43	1738551-1
Overmold Adapter										
5	—	M11	—	.326 (8.29)	.295 (7.5)	A30549-ND	11.07	7.94	6.75	1604366-4
	—	M14	—	.424 (10.76)	.385 (9.8)	A30550-ND	11.07	7.94	6.75	1604366-3
Accessories										
Jam Nut, Shell Size M11, (sold seperately)						A29974-ND	1.07	.77	.65	1604197-1
Rear Panel Seal, M11 (sold seperately)						A29978-ND	.88	.64	.54	1604196-1
Jam Nut, M14, (sold seperately)						A30554-ND	10.15	7.28	6.19	811277-3
Rear Panel Seal, M14						A30552-ND	.88	.64	.54	1445420-5

Circular Plastic Connectors

Component Diameter	
Arrangement/ Shell Size	Overall Dia. Inch (mm)
11	.942 (23.93)
13	1.070 (27.18)
17	1.315 (33.40)
23	1.743 (44.2)

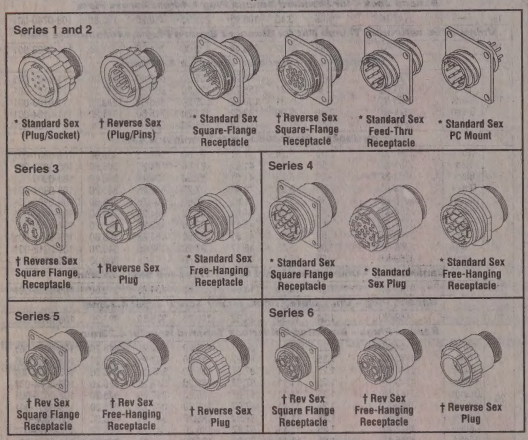
- Lightweight, all-plastic connectors
- CPC connectors made of UL recognized, high-grade black thermoplastic material
- 94V-1 rated, heat-stabilized, fire-resistant, self-extinguishing
- Two connector series for different connection needs:

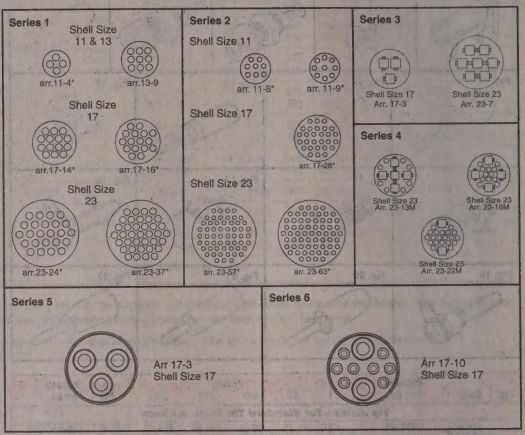
Series 1 — Standard density applications with Multimate contacts.

Series 2 — High-density applications with size 20 DM and 20 DF contacts, .040" (1.02 mm) diameter

- Available in panel-mount, chassis-mount and free hanging versions
- Quick-connect/disconnect capability with thread assist, positive detent coupling
- Built-in pin and socket protection. Plug or socket half can be "hot", depending on connector sex
- 5-key polarization for proper mating of connector halves
- Full complement of optional accessories

Note: Contacts (pins and sockets) must be ordered separately, unless otherwise noted.


Series 1 and 2
* Standard Sex (Plug/Socket)
† Reverse Sex (Plug/Pins)
* Standard Sex Square-Flange Receptacle
† Reverse Sex Square-Flange Receptacle
* Standard Sex Feed-Thru Receptacle
* Standard Sex PC Mount
Series 3
† Reverse Sex Square Flange Receptacle
† Reverse Sex Plug
* Standard Sex Free-Hanging Receptacle
Series 4
* Standard Sex Square Flange Receptacle
* Standard Sex Plug
* Standard Sex Free-Hanging Receptacle
Series 5
† Rev Sex Square Flange Receptacle
† Rev Sex Free-Hanging Receptacle
† Reverse Sex Plug
Series 6
† Rev Sex Square Flange Receptacle
† Rev Sex Free-Hanging Receptacle
† Reverse Sex Plug



*** Standard Sex:** Pin contacts in receptacle housings; socket contacts in plug housings **† Reverse Sex:** Socket contacts in receptacle housings; pin contacts in plug housings.

Series 1 (Shell Only)

Shell Size	No. of Cont.	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			RoHS Compliant				
11	4	Rev.	Receptacle-Square Flanged	A1360-ND	2.15	2.00	206430-1
			Receptacle-Free Hanging	A1361-ND	2.15	2.00	206430-2
			Recept.-Square Flanged with Inserts	A25053-ND	4.84	4.49	211102-1
			Plug	A1357-ND	2.58	2.40	206429-1
		Std.	Receptacle-Square Flanged	A1301-ND	2.09	1.94	206061-1
			Receptacle-Free Hanging	A1351-ND	2.15	2.00	206153-1
			Plug	A1300-ND	2.56	2.38	206060-1
13	9	Std.	Receptacle-Square Flanged	A1303-ND	2.23	2.08	206705-1
			Receptacle-Free Hanging	A1352-ND	2.28	2.11	206705-2
			Plug	A1302-ND	2.81	2.61	206708-1
17	14	Rev.	Receptacle-Square Flanged	A1362-ND	2.36	2.19	206043-1
			Receptacle-Free Hanging	A1363-ND	2.93	2.72	206043-3
			Plug	A1358-ND	2.89	2.68	206044-1
	16	Std.	Receptacle-Square Flanged	A1305-ND	2.36	2.19	206036-1
			Receptacle-Free Hanging	A1353-ND	2.36	2.19	206036-3
			Receptacle-Feed-Thru	A25058-ND	70.73	65.55	206552-1
			Plug-Reverse Numbering	A25057-ND	5.08	4.72	206554-1
			Plug	A1304-ND	2.89	2.68	206037-1
23	24	Std.	Receptacle-Square Flanged	A1354-ND	2.89	2.68	206838-1
			Receptacle-Free Hanging	A1355-ND	3.96	3.67	206838-2
			Plug	A1350-ND	3.79	3.52	206837-1
	37	Rev.	Receptacle-Square Flanged	A1364-ND	2.71	2.51	206306-1
			Receptacle-Free Hanging	A1365-ND	3.75	3.48	206306-2
			Plug	A1359-ND	3.44	3.20	206305-1
		Std.	Receptacle-Square Flanged	A1307-ND	2.71	2.51	206151-1
			Receptacle-Free Hanging	A1356-ND	2.91	2.70	206151-2
			Plug	A1306-ND	3.44	3.20	206150-1

Series 1 (Shell & Contacts) - PC Mount with .025" (.64mm) Sq. Sol. Tails

Contact Finish: Duplex plated gold flash on entire contact with 30µ" minimum gold on contact engagement area, tin-lead on the termination area, all over 50µ" minimum nickel under plating.

Shell Size	No. of Cont.	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
11	4	Rev.	Receptacle	A25054-ND	9.14	8.48	208283-1
				A33740-ND◊ ***NEW!***	8.57	7.95	208283-4
13	9	Std.	Receptacle	A25055-ND	7.56	7.02	208223-1
				A33741-ND◊ ***NEW!***	7.07	6.56	208223-9
17	16	Std.	Receptacle	A25056-ND	13.14	12.18	207303-3
				A33742-ND◊ ***NEW!***	12.30	11.40	1-207303-3

◊ *RoHS Compliant*

Series 1 (Shell Only) - VDE Tested Connectors

Designed to meet requirements of VDE as shown in DIN Specification 57627. Recognized under the Component Program of UL for 600VAC & 600VDC service, File No. E28476. Certified by CSA, File No. LR7189.

Shell Size	No. of Contacts	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			RoHS Compliant				
13	7	Std.	Receptacle-Square Flanged Plug	A1635-ND	3.81	3.54	211401-1
				A1638-ND	3.49	3.23	211399-1
		Rev.	Receptacle-Square Flanged Plug	A1641-ND	3.38	3.14	211398-1
				A1644-ND	3.94	3.65	211400-1
17	9	Std.	Receptacle-Square Flanged Plug	A1636-ND	3.53	3.27	211767-1
				A1639-ND	4.59	4.26	211766-1
		Rev.	Receptacle-Square Flanged Plug	A1642-ND	3.87	3.60	211769-1
				A1645-ND	4.10	3.80	211768-1
23	19	Std.	Receptacle-Square Flanged Plug	A1637-ND	4.57	4.24	211771-1
				A1640-ND	5.54	5.13	211770-2
		Rev.	Receptacle-Square Flanged Plug	A1643-ND	3.87	3.60	211773-1
				A1646-ND	4.63	4.30	211772-1

Series 1 (Shell Only) - Sealed Receptacle Connectors

Sealed CPC connectors are designed to meet the requirements of UL, CSA, and VDE for environmentally sealed connectors used in industrial applications.

Operating Temperature Range: -50°C ~ 125°C.
Voltage Rating: 600 V (AC or DC),
Contacts: 13 amps., single contact rating at 30°C T-Rise.
Flammability Rating: UL 94V-0 rated.
Sealing Capability: Per IP66 and IP67.
Housing Material: Black, high strength, impact resistant thermoplastic.
Seal: Gray Elastomer.
Fluid Resistance: Diesel fuel, gear and engine fuel, gasoline, anti-freeze, hydraulic fluid, water.

Shell Size	No. of Contacts	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			RoHS Compliant				
11	4	Rev.	Square Flange	A1675-ND	2.58	2.40	206430-3
			Free-Hanging	A1676-ND	7.97	7.40	206430-4
		Std.	Square Flange	A25038-ND	6.95	6.45	206061-2
13	9	Std.	Square Flange	A1669-ND	3.42	3.18	206705-3
			Free-Hanging	A1670-ND	3.53	3.27	206705-4
17	14	Rev.	Square Flange	A1677-ND	3.08	2.85	206043-4
			Free-Hanging	A1678-ND	5.99	5.55	206043-5
	16	Std.	Square Flange	A1671-ND	4.16	3.86	206036-4
			Free-Hanging	A1672-ND	3.67	3.41	206036-5
23	24	Std.	Square Flange	A1673-ND	4.24	3.94	206838-3
			Free-Hanging	A1674-ND	4.84	4.49	206838-4
	37		Square Flange	A25049-ND	4.57	4.24	206151-3

(Continued)

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Series 2 (Shell Only)

Shell Size	No. of Cont.	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			RoHS Compliant				
11	8	Std.	Receptacle-Square Flanged	A1366-ND	3.90	3.61	205841-1
			Receptacle-Free Hanging	A1367-ND	3.87	3.60	205841-2
			Plug	A1368-ND	4.67	4.34	205838-1
			Receptacle-Feed-Thru	A25048-ND	36.47	33.81	206458-1
		Rev.	Receptacle-Square Flanged	A1369-ND	3.92	3.63	206433-1
			Receptacle-Free Hanging	A1370-ND	3.92	3.63	206433-2
			Plug	A1371-ND	4.67	4.34	206434-1
	9	Std.	Receptacle-Square Flanged	A1372-ND	3.81	3.54	206486-1
			Receptacle-Free Hanging	A1373-ND	3.92	3.63	206486-2
			Plug	A1374-ND	4.59	4.26	206485-1
17	28	Std.	Receptacle-Square Flanged	A1375-ND	4.18	3.88	205840-3
			Plug-Reverse Numbering	A25045-ND	8.88	8.23	206126-1
			Receptacle-Free Hanging	A1376-ND	4.96	4.60	206152-1
			Receptacle-Feed-Thru	A25046-ND	48.67	45.11	206127-1
			Plug - Dia. 1.349 (34.26) max.	A1377-ND	4.96	4.60	205839-3
			Plug - Dia. 1.315 (33.40) max.	A25044-ND	8.88	8.23	206125-1
		Rev.	Receptacle-Square Flanged	A1378-ND	4.08	3.79	206038-1
			Receptacle-Free Hanging	A1379-ND	5.00	4.64	206038-2
			Plug	A1380-ND	4.84	4.49	206039-1
23	57	Rev.	Receptacle-Square Flanged	A1381-ND	6.48	6.01	206438-1
			Receptacle-Free Hanging	A1382-ND	10.39	9.64	206438-2
			Plug	A1383-ND	6.66	6.18	206437-1
	63	Std.	Receptacle-Square Flanged	A1384-ND	6.23	5.78	205843-1
			Receptacle-Free Hanging	A1385-ND	6.56	6.08	205843-2
			Plug	A1386-ND	6.60	6.12	205842-1

Series 2 (Shell & Contacts) - PC Mount with .025" (.64mm) Sq. Sol. Tails

Shell Size	No. of Cont.	Sex	Cont. Finish	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
11	8	Rev.	A	Receptacle-Square Flanged	A25040-ND	9.06	8.40	208657-1
11	8	Rev.	A	Receptacle-Square Flanged	A33743-ND0 ***NEW!***	8.49	7.87	1-208657-1
11	9	Std.	A	Receptacle-Square Flanged	A25041-ND	9.31	8.63	206852-2
17	28	Rev.	B	Receptacle-Square Flanged	A25042-ND	15.83	14.67	207216-2
17	28	Rev.	B	Receptacle-Square Flanged	A33744-ND0 ***NEW!***	14.78	13.70	1-207216-6
23	63	Std.	A	Receptacle-Square Flanged	A25043-ND	31.28	29.00	206455-2
23	63	Std.	A	Receptacle-Square Flanged	A33745-ND0 ***NEW!***	29.27	27.14	1-206455-2

A - Duplex plated gold flash on entire contact with 30µ" min. gold on contact engagement area, tin-lead on the termination area, all over 50µ" minimum nickel under plating. **B** - Plated gold flash on the entire contact, tin-lead on the termination area. ◊ ***RoHS Compliant***

Series 3 and 4 (Shell Only)

Shell Size	No. of Contacts	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			Series 3 — RoHS Compliant				
17	3	Std.	Receptacle-Square Flanged	A1681-ND	2.89	2.68	206036-2
			Receptacle-Free Hanging	A1683-ND	2.89	2.68	206207-1
			Plug	A1685-ND	3.79	3.52	206037-2
		Rev.	Receptacle-Square Flanged	A16015-ND	2.89	2.68	206425-1
			Receptacle-Free Hanging	A16017-ND	3.92	3.63	206425-2
			Plug	A16019-ND	5.17	4.79	206426-1
23	7	Std.	Receptacle-Square Flanged	A1682-ND	4.43	4.11	206137-1
			Receptacle-Free Hanging	A1684-ND	4.53	4.20	206137-2
			Plug	A1686-ND	4.10	3.80	206136-1
		Rev.	Receptacle-Square Flanged	A16016-ND	3.77	3.50	206227-1
			Receptacle-Free Hanging	A16018-ND	3.77	3.50	206227-2
			Plug	A16020-ND	4.16	3.86	206226-1
			Series 4 — RoHS Compliant				
23	13	Std.	Receptacle-Square Flanged	A16029-ND	5.27	4.89	211825-1
			Receptacle-Free Hanging	A16032-ND	4.86	4.51	211825-2
			Plug	A16035-ND	6.89	6.39	211824-1
	16	Std.	Receptacle-Square Flanged	A16030-ND	3.59	3.33	207486-1
			Receptacle-Free Hanging	A16033-ND	4.96	4.60	207486-2
			Plug	A16036-ND	4.04	3.75	207485-1
	22	Std.	Receptacle-Square Flanged	A16031-ND	3.34	3.10	206613-1
			Receptacle-Free Hanging	A16034-ND	4.55	4.22	206613-3
			Plug	A16037-ND	4.82	4.47	206612-1

Series 5 and 6 Sealed

Sealed CPC connectors are the latest additions to the growing family of Circular Plastic Connectors. Sealed CPC connectors were developed as part of the Series 5 and 6 product line. Sealed CPC connectors are designed to meet the requirements of UL, CSA, and VDE. Sealed CPC connectors incorporated the latest technology in thermoplastic design and use the POWERBAND precision formed high current contact.

Shell Size	No. of Cont.	Sex	Description	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			Series 5 — RoHS Compliant				
17	3	Rev	Square Flange, Receptacles	A25781-ND	4.82	4.47	213889-2
17	3	Rev	Free-Hanging, Receptacles	A25782-ND	5.04	4.68	213890-2
17	3	Rev	Plug Assembly	A25783-ND	6.25	5.80	213905-1
			Series 6 — RoHS Compliant				
17	10	Rev	Square Flange, Receptacles	A25785-ND	4.20	3.90	213893-2
17	10	Rev	Free-Hanging, Receptacles	A25786-ND	5.78	5.36	213894-2
17	10	Rev	Plug Assembly	A25787-ND	7.59	7.03	213906-1

Accessories

Fig. 1

Fig. 2

Fig. 3

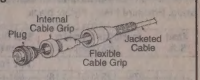


Fig. 4

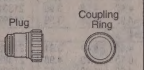


Fig. 5

Fig. 6

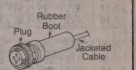


Fig. 7

Fig. 8

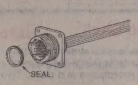


Fig. 9

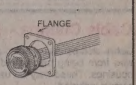


Fig.	Description	Shell Size	Digi-Key Part No.	Price Each 1	Price Each 25	AMP Part No.
			RoHS Compliant			
1	Sealing Cap for Receptacles, Plastic Strap	11	A16038-ND	3.42	3.18	206903-1
		13	A16039-ND	3.10	2.87	211870-1
		17	A16040-ND	3.77	3.50	207445-1
		23	A16041-ND	4.26	3.96	207446-1
1	Sealing Cap for Receptacles, Metal Bead Chain	11	A16042-ND	5.70	5.29	208800-1
		13	A16043-ND	6.85	6.35	213485-1
		17	A16044-ND	5.54	5.13	208652-1
		23	A16045-ND	6.62	6.14	208680-1
		23	A20537-ND†	8.53	7.91	208680-2
2	Heat Shrinkable Sealing Boot, .260" – .600"	11	A16046-ND	7.87	7.30	54010-1
	Heat Shrinkable Sealing Boot, .300" – .725"	13	A16047-ND	8.67	8.04	54123-1
	Heat Shrinkable Sealing Boot, .400" – .875"	17	A16048-ND	8.51	7.89	54011-1
	Heat Shrinkable Sealing Boot, .250" – .500"	17	A16060-ND††	5.17	4.79	213933-1
	Heat Shrinkable Sealing Boot, .500" – 1.25"	23	A16049-ND	9.55	8.86	54012-1
3	Flexible Cable Boot, Black Thermoplastic	11	A16050-ND	2.56	2.38	207489-1
		17	A16052-ND	4.16	3.86	207241-1
3	Internal Cable Grip, Black Thermoplastic	11	A16051-ND	2.77	2.57	207490-1
	Internal Cable Grip, Black Thermoplastic 8.25mm	17	A16053-ND	3.57	3.31	207387-1
	Internal Cable Grip, Black Thermoplastic 9.78mm	17	A16054-ND	3.44	3.20	207387-2
4	Replacement Coupling Ring	11	A16055-ND	.98	.91	213811-1
		13	A16056-ND	1.38	1.28	213813-1
		17	A16057-ND	1.10	1.03	213810-1
		23	A16058-ND	1.76	1.64	213812-1
5	Jacketed Cable Seal, Cable Diameter 7.62mm	23	A16063-ND	13.67	12.68	207052-1
	Jacketed Cable Seal, Cable Diameter 11.43mm	23	A16064-ND	22.37	20.73	207052-2
	Jacketed Cable Seal, Cable Diameter 15.24mm	23	A16065-ND	14.51	13.46	207052-3
6	Rubber Boots	11	A16059-ND*	6.81	6.31	206304-1
7	Back Shell Extender	23	A16062-ND	4.16	3.86	207055-1
8	Peripheral Seals for Receptacles Only	11	A1335-ND	.61	.57	206403-1
		13	A1336-ND	.90	.84	206403-4
		17	A1337-ND	.69	.65	206403-2
		23	A1338-ND	1.26	1.17	206403-3
9	Panel Mount Flanges for Plugs Only	11	A25003-ND	4.88	4.53	207299-1
		13	A25004-ND	4.14	3.84	207299-2
		17	A25019-ND	4.33	4.01	207299-3
		23	A25020-ND	2.77	2.57	207299-4
—	Flange Gasket	11	A30707-ND	1.19	1.10	81665-3
		13	A30705-ND	1.19	1.11	81665-4
		17	A25784-ND	1.21	1.12	81665-2
		23	A30706-ND	1.28	1.19	81665-5
—	Keying Plug, Series 1 & 4		A16066-ND	.20	.19	200821-1
	Keying Plug, Series 2		A16067-ND	.39	.37	206509-1
	Keying Plug, Series 3 & 4 (Socket Cavities)		A16068-ND	.72	.67	206508-1
	Keying Plug, Series 3 & 4 (Pin Cavities)		A16069-ND	2.15	2.00	207597-1

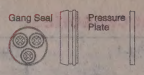
* Rubber boots are used with jacketed cable to provide splashproof connections for Series 1 & 3 connectors. Black neoprene.
† For use with series 2 only.
†† Thin Wall Boot

(Continued)

A

Wire Entry Seal Kits

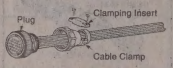
Includes one Gang Seal and one pressure plate marked for cavity identification. **Material and Finish:** Seal - Elastomer, red iron oxide. Pressure Plate - Nylon, black



Shell Size	Insulation Diameter Inch (mm)	Seal Diameter Inch (mm)	Digi-Key Part No.	Price Each 1	25	50	AMP Part No.
Kit for Pins — RoHS Compliant							
13-9	.075 - .125 (1.91 - 3.18)	.681 (17.30)	A25059-ND	4.82	4.47	3.91	213926-1
17-3	.178 - .265 (4.52 - 6.73)	.790 (20.07)	A25060-ND	6.15	5.70	4.98	213899-1
17-10	.150 - .265 (3.81 - 6.73)	.790 (20.07)	A25788-ND	4.53	4.20	3.67	213900-1
17-14	.075 - .125 (1.91 - 3.18)	.790 (20.07)	A25061-ND	4.92	4.56	3.99	213919-2
17-16	.075 - .125 (1.91 - 3.18)	.790 (20.07)	A25062-ND	4.92	4.56	3.99	213920-2
Kit for Sockets — RoHS Compliant							
13-9	.075 - .125 (1.91 - 3.18)	.681 (17.30)	A25063-ND	4.82	4.47	3.91	213925-1
17-3	.178 - .265 (4.52 - 6.73)	.790 (20.07)	A25060-ND	6.15	5.70	4.98	213899-1
17-10	.150 - .265 (3.81 - 6.73)	.790 (20.07)	A25788-ND	4.53	4.20	3.67	213900-1
17-14	.075 - .125 (1.91 - 3.18)	.790 (20.07)	A25064-ND	7.01	6.50	5.68	213919-1
17-16	.075 - .125 (1.91 - 3.18)	.790 (20.07)	A25065-ND	10.50	9.73	8.50	213920-1

Cable Clamps – Plastic Shell

Cable clamps are used to prevent excessive strain on cable or wire from being transmitted to the contacts inside the connector housings. These may be used on all receptacles and plugs. Two screws included.



Shell Size	Cable Outer Diameter Inch (mm)	Screw Length Inch (mm)	Digi-Key Part No.	Price Each 1	25	AMP Part No.
11	.329 (8.36)	.375 (9.53)	A1330-ND	3.69	3.42	206062-1
11	.329 (8.36)	.375 (9.53)	A32514-ND◊ ***NEW!***	3.44	3.20	1-206062-6
11	.329 (8.36)	.500 (12.7)	A25021-ND	3.69	3.42	206062-3
11	.329 (8.36)	.500 (12.7)	A32515-ND◊ ***NEW!***	3.44	3.20	1-206062-4
11	.453 (11.51)	.500 (12.7)	A1687-ND	3.69	3.42	206358-1
11	.453 (11.51)	.500 (12.7)	A32518-ND◊ ***NEW!***	3.44	3.20	206358-5
13	.453 (11.51)	.500 (12.7)	A1331-ND	3.71	3.44	206966-1
13	.453 (11.51)	.500 (12.7)	A32519-ND◊ ***NEW!***	3.46	3.22	206966-7
13	.703 (17.86)	.625 (15.88)	A1688-ND	3.92	3.63	207008-1
13	.703 (17.86)	.625 (15.88)	A33751-ND◊ ***NEW!***	3.67	3.41	207008-5
17	.453 (11.51)	.500 (12.7)	A1332-ND	3.71	3.44	206070-1
17	.453 (11.51)	.500 (12.7)	A32516-ND◊ ***NEW!***	3.46	3.22	206070-8
17	.703 (17.86)	.625 (15.88)	A1689-ND	4.22	3.92	206322-1
23	.703 (17.86)	.625 (15.88)	A1334-ND	3.85	3.58	206138-1
23	.703 (17.86)	.625 (15.88)	A32517-ND◊ ***NEW!***	3.59	3.33	206138-8
23	1.125 (28.58)	.625 (15.88)	A1690-ND	4.86	4.51	206512-1
23	1.125 (28.58)	.625 (15.88)	A32520-ND◊ ***NEW!***	4.55	4.22	206512-5
23	1.125 (28.58)	1.00 (25.4)	A16061-ND*	6.11	5.67	207774-1
23	1.125 (28.58)	1.00 (25.4)	A33752-ND* ◊ ***NEW!***	5.72	5.31	207774-3

* Self-Centering ◊ ***RoHS Compliant***

Right Angle Cable Clamps

Cable clamps are used to prevent excessive strain on cable or wire from being transmitted to the contacts inside the connector housings. These may be used on all receptacles and plugs. Two screws included.

Right Angle Cable Clamp With Cover

Right Angle Cable Clamp Without Cover

Shell Size	Cable Outer Diameter Inch (mm)	Digi-Key Part No.	Price Each 1	25	AMP Part No.
Cable Clamp with Cover					
11	.329 (8.36)	A31208-ND	6.36	5.89	1546347-1
11	.329 (8.36)	A32501-ND◊ ***NEW!***	5.95	5.51	1546347-2
13	.453 (11.51)	A31209-ND	6.48	6.01	1546348-1
13	.453 (11.51)	A33753-ND◊ ***NEW!***	6.07	5.63	1546348-2
17	.453 (11.51)	A31210-ND	6.48	6.01	1546349-1
17	.453 (11.51)	A33754-ND◊ ***NEW!***	6.07	5.63	1546349-2
23	.703 (17.86)	A31211-ND	6.85	6.35	1546350-1
23	.703 (17.86)	A33755-ND◊ ***NEW!***	6.44	5.97	1546350-2
Cable Clamp without Cover					
11	.329 (8.36)	A31212-ND	5.62	5.21	796379-1
11	.329 (8.36)	A33756-ND◊ ***NEW!***	5.25	4.87	796379-2
13	.453 (11.51)	A31213-ND	5.66	5.25	796380-1
13	.453 (11.51)	A33757-ND◊ ***NEW!***	5.29	4.91	796380-2
17	.453 (11.51)	A31214-ND	5.66	5.25	796381-1
17	.453 (11.51)	A33758-ND◊ ***NEW!***	5.29	4.91	796381-2
23	.703 (17.86)	A31215-ND	6.09	5.65	796382-1
23	.703 (17.86)	A33759-ND◊ ***NEW!***	5.70	5.29	796382-2

◊ ***RoHS Compliant***

Flexible Tubing Connectors To be used with all circular plastic connectors

Characteristics: • One-piece plastic quick screw connection with UNEF-inner thread • **Material:** High-quality, impact resistant plastic material (PA); Sealing: Santoprene® • **Properties:** Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions • **Temperature Range:** From approximately -30°C - 100°C • **Color:** Black

CPC Shell Size	Trade Size Tubing Outer Diameter	Inner Thread UNEF	Dimensions (mm) Largest Outer øB	Total Length D	Digi-Key Part No.	Price Each 1	25	AMP Part No.
RoHS Compliant								
11	0.51" (13.0mm)	5/8" - 24	20.6	36.6	A16102-ND	3.94	3.65	1-969807-2
13	0.62" (15.8mm)	3/4" - 20	23.6	41.7	A16103-ND	3.98	3.69	1-969809-3
17	0.83" (21.2mm)	15/16" - 20	30.1	50.3	A16104-ND	5.04	4.68	1-969811-4
23	1.12" (28.5mm)	1" - 20	37.0	54.0	A16105-ND	6.97	6.46	2-969813-5

NOTE: Must also be used with Flexible Corrugated Tubing (Mfg. numbers 969789-2, 969789-3, 969789-4 & 969789-5)

Flexible Corrugated Tubing and Connectors

Fig. 1 - All-plastic Tubing

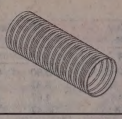


Fig. 2 - Straight Tubing Connections

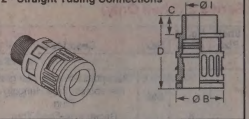
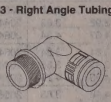
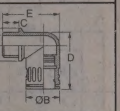


Fig. 3 - Right Angle Tubing Connections



Screwed connection case, 90° elbow type and fixed PG connecting thread DIN 40430



PLASTIC TUBING:

• **Properties:** Air- and liquid-tight, oil resistant up to 80°C, benzine resistant, highly resistant to acids and solvents, ozone resistant, free of silicon, cadmium and halogen, self-extinguishing and flame retarding

• **Temperature Range:** Approximately -40°C – 115°C, temporarily withstands temperatures up to approximately 150°C

• **Color:** Black • UL File No. E86359, GQVS certified

CONNECTIONS: • One-piece plastic quick screw connection with PG-thread accessory to DIN 40430 for corrugated tubings

• **Material:** High-quality, impact resistant plastic material (PA); Sealing: Santoprene®

• **Properties:** Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions

• **Temperature Range:** From approximately -30°C – 100°C

• **Color:** Black • GGVS certified

Trade Size Tubing Outer Diameter Inch (mm)	Bending Radius (mm)-±10%	Digi-Key Part No.	Note: X in Part No. = Meters Per Roll Price Per Roll 5 meter	10 meter	25 meter	50 meter	AMP Part No.
Fig. 1 — All-Plastic Tubing — RoHS Compliant							
0.51 (13.0)	20	A16090-X-ND	16.95	31.08	70.63	113.00	969789-2
0.62 (15.8)	35	A16091-X-ND	22.05	40.43	91.88	147.00	969789-3
0.83 (21.2)	45	A16092-X-ND	34.95	64.08	145.63	233.00	969789-4
1.12 (28.5)	55	A16093-X-ND	57.30	105.05	238.75	382.00	969789-5

Trade Size Tubing Outer Diameter Inch (mm)	Thread DIN 40430 PG	Dimensions (mm) Smallest Inner øi	Largest Inner øB	Thread Length C	Total Length D	Total Height E	Connection øF	Digi-Key Part No.	Price Each 1	25	AMP Part No.
Fig. 2 — Panel Mount Straight Tubing Connections — RoHS Compliant											
0.51 (13.0)	9	10.0	20.0	10	35.0	—	—	A16094-ND	3.26	3.03	969803-2
0.62 (15.8)	11	12.5	23.0	10	37.0	—	—	A16095-ND	3.24	3.01	969803-3
0.83 (21.2)	16	17.0	29.5	12	43.5	—	—	A16096-ND	3.40	3.16	969803-4
1.12 (28.5)	21	23.5	37.0	12	46.0	—	—	A16097-ND	6.07	5.63	969803-5
Fig. 3 — Panel Mount Right Angle Tubing Connections — RoHS Compliant											
0.51 (13.0)	9	12.0	20.0	10	36.0	34.0	20.0	A16098-ND	5.88	5.46	969817-2
0.62 (15.8)	11	15.5	23.0	10	42.0	37.5	23.0	A16099-ND	6.13	5.69	969817-3
0.83 (21.2)	16	18.0	29.5	12	50.0	47.0	27.0	A16100-ND	6.46	5.99	969817-4
1.12 (28.5)	21	24.0	37.0	12	57.0	55.0	34.0	A16101-ND	10.97	10.17	969817-5

Note: Must order counternuts and seals separately.

Thread DIN 40430 PG	Dimensions (mm) Thickness	Hex Width	Height	Outer Diameter	Inner Diameter	Digi-Key Part No.	Price Each 1	25	AMP Part No.
Counternuts — RoHS Compliant									
9	5.0	22	—	—	—	A16106-ND	.36	.34	796260-2
11	5.0	24	—	—	—	A16107-ND	.43	.40	796260-3
16	6.0	30	—	—	—	A16108-ND	.48	.45	796260-5
21	7.0	36	—	—	—	A16109-ND	.76	.71	796260-6
Flat O-Ring Seal — RoHS Compliant									
9	—	—	1.6	19	15	A16110-ND	.78	.72	796257-2
16	—	—	1.8	27	21.5	A16112-ND	.91	.85	796255-3

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Contacts (Pins and Sockets)

CONTACT FINISH:

A Selective gold with 30µ gold on electrical engagement area over 50µ nickel on entire contact
B Duplex-plated 30µ gold in mating area over 50µ nickel on contact body; bright tin-lead on solder tab
C 15µ gold in the mating area over 50µ nickel
D Selective gold, 30µ gold over 30µ nickel
E .000100" (0.00254mm) silver-plated contacts with lubricant added
F Bright tin-lead on entire contact
G Selective gold with 30µ gold on electrical engagement area with 10µ on the remainder over 50µ nickel
H Bright tin on entire contact
J Duplex-plated 30µ gold in mating area over 50µ nickel on contact body; bright tin on solder tab

Series 1 Signal, Type III+, Precision Formed

Pin Diameter: .062" (1.57mm) **Test Current:** 13A **Materials:** Crimp Contacts: Brass; Solder Contacts and Grounding Pin: Copper alloy, plated tin or gold; Spring: Stainless steel

Fig. 1 – Crimp

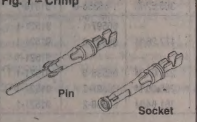


Fig. 2 – Solder Type

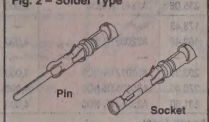


Fig. 3 – Solder Tab

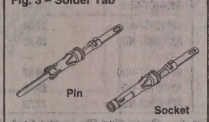
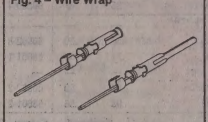


Fig. 4 – Wire Wrap



Tail Length Inches (mm)	Amp Pin Part No.	Amp Socket Part No.
.622 (15.80)	66460-1	66461-1
.831 (21.11)	66460-2	66461-2
1.020 (25.91)	66460-3	66461-3
.622 (15.80)	66460-7	66461-7
.831 (21.11)	66460-8	66461-8
1.020 (25.91)	66460-9	66461-9

Series 2

Pin Diameter: .040" (1.02mm) **Test Current:** 7.5A **Materials:** Pin Body: Brass; Socket: Phosphor bronze

Fig. 5 – Crimp With Insulation Support

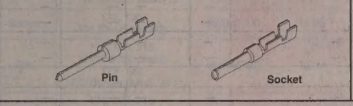
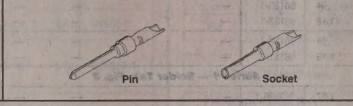
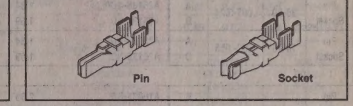


Fig. 6 – Solder Cup



Series 3

Fig. 7 – Power Contacts



Desc.	Wire Size AWG	Ins. Dia. Inch	Cont. Fin.	Digi-Key Part No.	Loose Pc. Price Each 10	100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 100	500	Digi-Key Part No.	Strip Tape and Reel Size	Pricing	AMP Part No.	AMP Tooling Part No.
Series 1 — Crimp, Fig. 1															
Pin			F	—	—	—	—	A25084CT-ND	53.27	244.13	A25084TR-ND	4,000	266.33/M	66425-6	91515-1
Pin			H	—	—	—	—	A31999CT-ND◊	48.91	228.73	A31999TR-ND◊	4,000	249.53/M	1-66425-2	91515-1
Socket			F	—	—	—	—	A25085CT-ND	68.74	315.05	A25085TR-ND	4,000	343.70/M	66424-6	91515-1
Socket	30-26	.040-.060	F	—	—	—	—	A33760CT-ND◊ ***NEW!***	64.40	295.19	A33760TR-ND◊ ***NEW!***	4,000	322.02/M	1-66424-1	91515-1
Pin			C	A25088-ND◊	1.34	.94	66429-3	A25088CT-ND◊	64.46	295.45	A25088TR-ND◊	4,000	322.31/M	66425-7	91515-1
Socket			C	A25089-ND◊	1.87	1.31	66428-3	A25089CT-ND◊	80.10	367.13	A25089TR-ND◊	4,000	400.50/M	66424-7	91515-1
Pin			A	A25092-ND◊	1.41	.99	66429-4	A25092CT-ND◊	67.86	311.03	A25092TR-ND◊	4,000	339.30/M	66425-8	91515-1
Socket			A	A25093-ND◊	2.22	1.55	66428-4	A25093CT-ND◊	84.32	386.44	A25093TR-ND◊	4,000	421.58/M	66424-8	91515-1
Pin	30-26	.014-.030	A	A25097-ND◊	1.29	.91	66406-4	A25097CT-ND◊	67.79	310.72	A25097TR-ND◊	4,000	338.97/M	66393-8	—
Socket			A	A25098-ND◊	1.60	1.12	66405-4	A25098CT-ND◊	84.26	386.17	A25098TR-ND◊	4,000	421.28/M	66394-8	—
Pin			F	—	—	—	—	A1324CT-ND	37.02	169.69	A1324TR-ND	4,000	185.12/M	66106-6	58495-1
Pin			H	A31991-ND◊	.42	.30	1-66107-1	A31991CT-ND◊	34.69	158.99	A31991TR-ND◊	4,000	173.45/M	1-66106-5	58495-1
Socket			F	—	—	—	—	A1654CT-ND	58.46	267.93	A1654TR-ND	4,000	292.29/M	66108-6	58495-1
Socket			H	A31992-ND◊	.77	.54	1-66109-7	A31992CT-ND◊	54.77	251.03	A31992TR-ND◊	4,000	273.86/M	1-66108-5	58495-1
Pin	26-24	.035-.055	C	A25103-ND◊	.80	.56	66107-3	A25103CT-ND◊	55.82	255.82	A25103TR-ND◊	4,000	279.08/M	66106-7	58495-1
Socket			C	A25104-ND◊	.95	.67	66109-3	A25104CT-ND◊	69.36	317.90	A25104TR-ND◊	4,000	346.80/M	66108-7	58495-1
Pin			A	A1344-ND◊	.84	.59	66107-4	A1344CT-ND◊	58.75	269.28	A1344TR-ND◊	4,000	293.76/M	66106-8	58495-1
Socket			A	A1345-ND◊	1.01	.70	66109-4	A1345CT-ND◊	73.02	334.69	A1345TR-ND◊	4,000	365.12/M	66108-8	58495-1
Pin	24-20	.040-.080	G	A29109-ND◊	1.29	.90	66103-1	A29109CT-ND◊	97.50	446.86	A29109TR-ND◊	4,000	487.49/M	66102-6	58495-1
Pin			F	A1322-ND	.60	.42	66103-2	—	—	—	—	—	—	—	58495-1
Pin			H	A31989-ND◊	.42	.29	1-66103-8	A31989CT-ND◊	35.45	162.48	A31989TR-ND◊	4,000	177.26/M	2-66102-5	58495-1
Socket			F	A1323-ND	.71	.49	66105-2	A1323CT-ND	46.06	211.09	A1323TR-ND	4,000	230.28/M	66104-7	58495-1
Socket	24-20	.040-.080	H	A31990-ND◊	.49	.35	1-66105-9	A31990CT-ND◊	43.15	197.78	A31990TR-ND◊	4,000	215.76/M	3-66104-0	58495-1
Pin			C	A25107-ND◊	.80	.56	66103-3	A25107CT-ND◊	50.78	232.75	A25107TR-ND◊	4,000	253.91/M	66102-8	58495-1
Socket			C	A25108-ND◊	.96	.67	66105-3	A25108CT-ND◊	61.34	281.16	A25108TR-ND◊	4,000	306.72/M	66104-8	58495-1
Pin			A	A1342-ND◊	.84	.59	66103-4	A1342CT-ND◊	55.06	252.35	A1342TR-ND◊	4,000	275.30/M	66102-9	58495-1
Socket			A	A1343-ND◊	1.01	.70	66105-4	A1343CT-ND◊	65.81	301.82	A1343TR-ND◊	4,000	329.04/M	66104-9	58495-1
Pin			H	A32008-ND◊	.77	.54	66566-7	A32008CT-ND◊	43.25	198.22	A32008TR-ND◊	4,000	216.24/M	1-66564-2	91542-1
Socket			F	A25007-ND	.71	.49	66565-2	—	—	—	—	—	—	66563-6	91542-1
Socket	24-20	.060-.120	H	—	—	—	—	A32007CT-ND◊	54.78	251.06	A32007TR-ND◊	4,000	273.89/M	1-66563-1	91542-1
Pin			A	A25115-ND◊	.87	.61	66566-4	A25115CT-ND◊	59.49	272.65	A25115TR-ND◊	4,000	297.44/M	66564-8	91542-1
Socket			D	A25008-ND	.98	.69	66565-4	A25008CT-ND	73.16	335.34	A25008TR-ND	4,000	365.82/M	66563-8	91542-1
Pin			H	A31996-ND◊	.42	.30	1-66400-0	A31996CT-ND◊	41.12	188.46	A31996TR-ND◊	4,000	205.59/M	1-66332-4	91523-1
Socket	24-20	.080-.100	F	—	—	—	—	—	—	—	—	—	—	66331-5	91523-1
Socket			H	A31995-ND◊	.49	.35	1-66399-0	A31995CT-ND◊	44.37	203.35	A31995TR-ND◊	4,000	221.84/M	1-66331-4	91523-1
Pin	24-20	.080-.100	G	A29110-ND	1.29	.90	66400-2	—	—	—	—	—	—	—	91523-1
Pin			C	A25121-ND◊	.80	.56	66400-3	A25121CT-ND◊	55.97	256.55	A25121TR-ND◊	4,000	279.87/M	66332-7	91523-1
Socket	24-20	.080-.100	C	A25122-ND◊	.96	.67	66399-3	A25122CT-ND◊	69.42	318.16	A25122TR-ND◊	4,000	347.09/M	66331-7	91523-1
Pin			A	A1648-ND◊	.64	.45	66400-4	A1648CT-ND◊	58.91	270.01	A1648TR-ND◊	4,000	294.56/M	66332-8	91523-1
Socket			A	A1661-ND◊	.76	.53	66399-4	A1661CT-ND◊	73.08	334.94	A1661TR-ND◊	4,000	365.39/M	66331-8	91523-1
Pin			F	A1649-ND	.60	.42	66099-2	A1649CT-ND	37.84	173.43	—	—	—	66098-7	58495-1
Pin			H	A31987-ND◊	.42	.29	1-66099-5	A31987CT-ND◊	35.45	162.48	A31987TR-ND◊	4,000	177.26/M	1-66098-8	58495-1
Socket			F	A1665-ND	.71	.49	66101-2	—	—	—	—	—	—	—	58495-1
Socket	18-16	.080-.100	H	A31988-ND◊	.49	.35	1-66101-9	A31988CT-ND◊	37.84	173.43	A31988TR-ND◊	4,000	189.20/M	1-66100-9	58495-1
Pin			C	A25123-ND◊	1.08	.76	66099-3	A25123CT-ND◊	55.91	256.26	A25123TR-ND◊	4,000	279.56/M	66098-8	58495-1
Socket			C	A25124-ND◊	.96	.67	66101-3	A25124CT-ND◊	69.44	318.29	A25124TR-ND◊	4,000	347.22/M	66100-8	58495-1
Pin			A	A1340-ND◊	.84	.59	66099-4	A1340CT-ND◊	58.91	270.01	A1340TR-ND◊	4,000	294.56/M	66098-9	58495-1
Socket			A	A16080-ND◊	1.01	.70	66101-4	A16080CT-ND◊	65.54	300.38	A16080TR-ND◊	4,000	327.69/M	66100-9	58495-1
Pin	18-14	.080-.100	H	A31998-ND◊	.55	.39	1-66361-2	A31998CT-ND◊	35.45	162.48	A31998TR-ND◊	4,000	177.26/M	1-66359-4	91519-1

Recommended for high current/vibration applications where corrosion is a problem. § Ground contacts ‡ 1 Wirewrap ‡ 2 Wirewrap ★ 3 Wirewrap ◊ *RoHS Compliant* *(Continued)*

A

Desc.	Wire Size AWG	Ins. Dia. Inch	Cont. Fin.	Digi-Key Part No.	Loose Pc. Price Each 10	100	AMP Part No.	Digi-Key Part No.	Cut Strip Pricing 100	500	Digi-Key Part No.	Strip Tape and Reel Size	Pricing	AMP Part No.	AMP Tooling Part No.
Socket			F	A1321-ND	.69	.49	66360-2	A1321CT-ND	47.35	217.02	—	—	—	66358-6	91519-1
Socket			H	A31997-ND◊	.65	.46	1-66360-2	A31997CT-ND◊	42.24	193.61	A31997TR-ND◊	4,000	211.22/M	1-66358-6	91519-1
Pin	18-14	.080-.100	C	A25127-ND◊	.81	.57	66361-3	A25127CT-ND◊	53.36	244.59	A25127TR-ND◊	4,000	266.82/M	66359-9	91519-1
Socket			C	A25128-ND◊	1.19	.84	66360-3	A25128CT-ND◊	69.45	318.31	A25128TR-ND◊	4,000	347.25/M	66358-9	91519-1
Pin			A	A1650-ND◊	.85	.60	66361-4	A1650CT-ND◊	56.18	257.48	A1650TR-ND◊	4,000	280.89/M	1-66359-0	91519-1
Socket			A	A1341-ND◊	.95	.67	66360-4	A1341CT-ND◊	73.10	335.06	A1341TR-ND◊	4,000	365.52/M	1-66358-0	91519-1
Pin			F	—	—	—	—	A25129CT-ND	37.84	173.43	—	—	—	66597-1	91521-1
Pin			H	A32009-ND◊	.56	.39	66602-8	A32009CT-ND◊	35.45	162.48	A32009TR-ND◊	4,000	177.26/M	66597-8	91521-1
Socket	18-14	.110-.150	F	A25130-ND	.71	.49	66601-1	—	—	—	—	—	—	—	91521-1
Socket			H	—	—	—	—	A32012CT-ND◊	44.37	203.35	A32012TR-ND◊	4,000	221.84/M	66598-9	91521-1
Pin			A	A25131-ND◊	.84	.59	66602-2	A25131CT-ND◊	59.02	270.49	A25131TR-ND◊	4,000	295.08/M	66597-2	91521-1
Socket			A	A25012-ND◊	.95	.66	66601-2	A25012CT-ND◊	72.33	331.50	A25012TR-ND◊	4,000	361.64/M	66598-2	91521-1
Series 1 — Crimp, Fig. 1 — Grounding Pin (make first - break last)															
Pin	24-20	.045-.070	A	A25133-ND◊	2.65	1.85	164163-2	—	—	—	—	—	—	—	58495-1
Pin	18-16	.078-.098	A	A25600-ND◊	1.87	1.31	164164-2	A25600CT-ND◊	151.51	694.40	A25600TR-ND◊	5,000	757.53/M	164161-4	58495-1
Series 1 — Solder Type, Fig. 2															
Pin	26-20	.005-.024	A	A25136-ND◊	1.34	.94	66182-1	—	—	—	—	—	—	—	—
Socket			D	A25137-ND	1.69	1.18	66183-1	—	—	—	—	—	—	—	—
Pin	18-16	.030-.055	A	A25138-ND◊	1.34	.94	66180-1	—	—	—	—	—	—	—	—
Socket			D	A25139-ND	1.69	1.18	66181-1	—	—	—	—	—	—	—	—
Series 1 — Solder Tab, Fig. 3															
Pin			B	A16081-ND	2.39	1.67	202236-1	—	—	—	—	—	—	—	—
Pin			B	A33761-ND◊ ***NEW!***	2.24	1.57	202236-7	—	—	—	—	—	—	—	—
Socket			J	A31983-ND◊	2.49	1.74	202237-7	—	—	—	—	—	—	—	—
Pin			H	A31982-ND◊	.96	.67	202236-5	—	—	—	—	—	—	—	—
Socket			H	A31984-ND◊	1.05	.73	202237-5	—	—	—	—	—	—	—	—
Series 1 — Wire Wrap, Fig. 4															
Pin			H	A32000-ND†◊	.58	.41	6-66460-5	—	—	—	—	—	—	—	—
Socket			H	A32005-ND†◊	.71	.50	5-66461-4	—	—	—	—	—	—	—	—
Pin			F	A29350-ND‡	.55	.37	66460-2	—	—	—	—	—	—	—	—
Pin			F	A33762-ND‡◊ ***NEW!***	.51	.35	6-66460-7	—	—	—	—	—	—	—	—
Socket	—	—	F	A29345-ND‡	.68	.46	66461-2	—	—	—	—	—	—	—	—
Socket			F	A33763-ND‡◊ ***NEW!***	.61	.41	5-66461-8	—	—	—	—	—	—	—	—
Pin			H	A32001-ND★◊	.58	.41	6-66460-6	—	—	—	—	—	—	—	—
Socket			F	A29349-ND★	.68	.46	66461-3	—	—	—	—	—	—	—	—
Socket			F	A33764-ND★◊ ***NEW!***	.61	.41	5-66461-9	—	—	—	—	—	—	—	—
Pin			G	A32002-ND†◊	1.35	.94	6-66460-2	—	—	—	—	—	—	—	—
Socket			G	A32006-ND†◊	1.03	.72	5-66461-5	—	—	—	—	—	—	—	—
Pin			G	A29342-ND‡	.85	.57	66460-8	—	—	—	—	—	—	—	—
Pin			G	A32003-ND†◊	.89	.63	6-66460-3	—	—	—	—	—	—	—	—
Socket	—	—	G	A29347-ND‡	1.01	.68	66461-8	—	—	—	—	—	—	—	—
Socket			G	A33765-ND‡◊ ***NEW!***	.90	.61	6-66461-2	—	—	—	—	—	—	—	—
Pin			G	A32004-ND★◊	.87	.61	6-66460-4	—	—	—	—	—	—	—	—
Socket			G	A29348-ND★	.98	.66	66461-9	—	—	—	—	—	—	—	—
Socket			G	A33766-ND★◊ ***NEW!***	.88	.59	6-66461-3	—	—	—	—	—	—	—	—
Series 2 — Crimp, Fig. 5															
Pin			A	A1630-ND◊	.23	.16	66507-9	—	—	—	—	—	—	—	91503-1
Socket	28-24	.040 max.	A	A1632-ND◊	.26	.18	66505-9	—	—	—	—	—	—	—	91503-1
Pin			D	—	—	—	—	A25000CT-ND	7.18	29.91	—	—	—	3-66507-1	91503-1
Socket			D	A31986-ND◊	.31	.22	1658538-1	A31986CT-ND◊	11.12	50.99	A31986TR-ND◊	10,000	50.06/M	1658538-3	91503-1
Pin			A	A1679-ND◊	.21	.19	66506-9	—	—	—	—	—	—	—	91503-1
Socket			A	A1680-ND◊	.22	.20	66504-9	—	—	—	—	—	—	—	91503-1
Pin	24-20	.050 max.	D	A1008-ND	.21	.19	1-66506-0	—	—	—	—	—	—	—	91503-1
Socket			A	A1009-ND◊	.23	.20	1-66504-0	—	—	—	—	—	—	—	91503-1
Socket			D	A31985-ND◊	.21	.15	1658537-2	A31985CT-ND◊	8.46	38.76	A31985TR-ND◊	10,000	38.06/M	1658537-1	91503-1
Series 2 — Solder, Fig. 6															
Pin	—	—	D	A1028-ND	.43	.26	66570-3	—	—	—	—	—	—	—	—
Socket			D	A1029-ND	.34	.31	66569-3	—	—	—	—	—	—	—	—
Series 3 — Crimp, Fig. 7															
Pin			F	A16021-ND	4.04	2.83	66261-1	—	—	—	—	—	—	—	90382-2
Pin			H	A31994-ND◊	2.71	1.89	66261-5	—	—	—	—	—	—	—	90382-2
Socket			F	A16025-ND	7.35	5.13	66740-8	—	—	—	—	—	—	—	90382-2
Socket			H	A32010-ND◊	4.92	3.44	2-66740-1	—	—	—	—	—	—	—	90382-2
Pin	16-12	.135-.160	D	A16022-ND	6.78	4.74	66261-2	—	—	—	—	—	—	—	90382-2
Socket			D	A16026-ND	8.36	5.85	66740-6	—	—	—	—	—	—	—	90382-2
Pin			D	A25031-ND§	7.69	5.37	66262-2	—	—	—	—	—	—	—	90382-2
Pin			E	A25032-ND#	3.41	2.38	66261-4	—	—	—	—	—	—	—	90382-2
Socket			E	A25033-ND#	5.74	4.01	66740-2	—	—	—	—	—	—	—	90382-2
Pin			E	A25034-ND§#	7.07	4.94	66262-4	—	—	—	—	—	—	—	90382-2
Pin			H	A31993-ND◊	2.71	1.89	66259-5	—	—	—	—	—	—	—	90384-1
Socket			H	A32011-ND◊	6.39	4.47	2-66741-1	—	—	—	—	—	—	—	90384-1
Pin	10	.190-.220	D	A16024-ND	5.97	4.87	66259-2	—	—	—	—	—	—	—	90384-1
Socket			D	A16028-ND	9.28	6.48	66741-6	—	—	—	—	—	—	—	90384-1
Pin			E	A25035-ND#	3.41	2.38	66259-4	—	—	—	—	—	—	—	90384-1
Socket			E	A25036-ND#	7.74	5.41	66741-2	—	—	—	—	—	—	—	90384-1

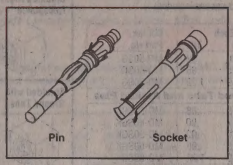
Recommended for high current/vibration applications where corrosion is a problem. § Ground contacts † 1 Wirewrap ‡ 2 Wirewrap ★ 3 Wirewrap ◊ *RoHS Compliant*

tyco Electronics AMP

Series 1 Coaxial, Subminiature, Precision Formed, Crimp

Outer Shell: Brass per MIL-C-50
Center Conductor: Beryllium copper per QQ-C-553 (Pin); Brass per QQ-B-626 (Socket)
Inner Dielectric: Polypropylene
Retention Spring: Stainless steel per QQ-S-766
Ferrule: Tin-lead per MIL-T-10727 over copper per QQ-C-576
Contact Finish: Gold/nickel; gold/copper (outer shell and socket center conductor: 30µ gold over 50µ nickel; pin center conductor: 30µ gold over 100µ copper)

NOTE: A ferrule is required for each pin and socket.



Coaxial Cable

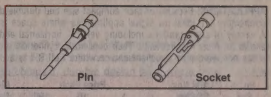
Description	Cable Size RG/U	Digi-Key Part No.	Price Each 1	10	100	AMP Part No.
Contacts						
Pin	178, 196 196 (Double Braid)	A25144-ND	19.20	16.64	11.63	226537-2
Socket	178, 196 196 (Double Braid)	A25147-ND	16.20	14.04	9.81	51565-2
Pin	174, 188, 316 174 (Double Braid) 179, 187 187 (Double Braid), 161	A25145-ND	13.24	11.48	8.02	226537-1
Socket	174, 188, 316 174 (Double Braid) 179, 187 187 (Double Braid), 161	A25148-ND	12.30	10.66	7.45	51565-1
Ferrules						
178, 196 RG/U		A25150-ND	—	.97	.68	1-332057-0
174, 188, 316, 179, 187, 161 RG/U		A25151-ND	—	.84	.59	1-332056-0

Twisted Pair and Shielded Wire

Description	Cable Size RG/U	Digi-Key Part No.	Price Each 1	10	100	AMP Part No.
Contacts						
Pin	30, 28 (Twisted Pair, Solid) 28 (Twisted Pair, Stranded .005 Dia.) 26 (Twisted Pair, Solid or Stranded .063 Dia.)	A25146-ND	16.73	14.50	10.13	226537-3
Socket	30, 28 (Twisted Pair, Solid) 28 (Twisted Pair, Stranded .005 Dia.) 26 (Twisted Pair, Solid or Stranded .063 Dia.)	A25149-ND	20.81	18.04	12.60	51565-3
Pin	26 (Shielded, .075 Max. O.D.)	A25145-ND	13.24	11.48	8.02	226537-1
Socket	26 (Shielded, .075 Max. O.D.)	A25148-ND	12.30	10.66	7.45	51565-1
Ferrule						
Use for Twisted Pair and Shielded Wire		A25150-ND	—	.97	.68	1-332057-0

Series 1 Signal, Type II, Screw Machined, Crimp

Pin Diameter: 1.57
Test Current: 13A
Contact Body: Brass
Retention Spring: Stainless steel
Contact Finish: 30µ gold over 50µ nickel. Gold thickness controlled on socket O.D.

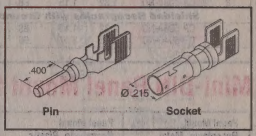


Description	Wire Size AWG	Insulation Dia. Inch	Required Hand Tool	Digi-Key Part No.	Price Each 1	10	100	AMP Part No.
Crimp								
Pin	28-24	.035-.055	91538-1	A25110-ND	4.41	3.83	2.67	201611-1
Socket				A25112-ND	4.91	4.26	2.98	201613-1
Pin	24-20	.040-.062	91538-1	A25114-ND	3.90	3.38	2.37	201578-1
Socket				A25116-ND	3.19	2.77	1.93	201580-1
Pin		.055-.088	91538-1	A25132-ND	2.62	2.28	1.59	201330-1
Socket				A25541-ND	4.43	3.84	2.68	201328-1
Pin		.080-.105	90136-1	A25542-ND	4.15	3.60	2.52	202507-1
Socket				A25543-ND	4.17	3.62	2.53	202508-1
Pin	18-16	No Ins. Support	91539-1	A25540-ND	4.27	3.71	2.59	200336-1
Socket				A25539-ND	4.50	3.90	2.73	200333-1
Pin		No Ins. Support	91539-1	A25140-ND†	5.85	5.07	3.55	204219-1
Pin	14	No Ins. Support	91539-1	A25141-ND	2.79	2.42	1.69	201570-1
Socket				A25142-ND	3.20	2.77	1.94	201568-1
Pin		No Ins. Support	—	A25143-ND*†	10.46	9.07	6.34	212618-1
Hand Tools								
Certi-Crimp Tool with Dies				A29951-ND A29952-ND A29953-ND	764.78/1 1476.26/1 551.57/1			91538-1 90136-1 91539-1
Pro-Crimper II with Dies				A30235-ND	645.39/1			58541-1

* Grounding pin is used to provide a make-first/break-last condition when mating and unmatin g connector halves. † Pin length is .630 on these two pins.

.125 POWERBAND Contacts for Sealed Connectors

Test Current: 45A
Pin Diameter: .125
Contact Body: Copper with beryllium copper spring
Contact Finish:
A: Post plated 30µ in mating area with 5µ minimum gold on remainder of contact, all over 100µ minimum nickel
B: Post plated 200µ silver in mating area with 5µ minimum gold on remainder of contact, all over 100µ minimum nickel



Description	Wire Size AWG	Contact Finish	Digi-Key Part No.	Price Each 1	10	AMP Part No.
Pin	14-12	A	A25066-ND	5.63	4.88	213845-4
Socket			A25067-ND	8.78	7.61	213847-4
Pin		B	A25068-ND	4.58	3.97	213845-3
Socket			A25069-ND	7.20	6.24	213847-3
Pin	10-8	A	A25070-ND	5.63	4.88	213841-4
Socket			A25071-ND	8.78	7.61	213843-4
Pin		B	A25072-ND	4.58	3.97	213841-3
Socket			A25073-ND	7.20	6.24	213843-3

Tools

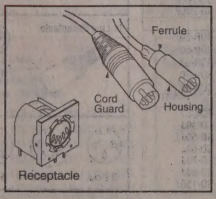
Description	Digi-Key Part No.	Price Each	AMP Part No.
Series 1 Contacts			
Pro-Crimper III with Die Set, 28-24, 24-20, 18-16 AWG	A9920-ND	145.50	58495-1
Pro-Crimper III Hand Tool without Dies	A9996-ND	66.00	354940-1
Die Set for Pro-Crimper III, 28-24, 24-20, 18-16 AWG	A9919-ND	103.50	58495-2
Certi-Crimp Tool, 26-24, 24-20 AWG	A9951-ND	519.12	91515-1
Certi-Crimp Tool, 24-20, 18-16 AWG	A9839-ND	519.12	91523-1
Certi-Crimp Tool, 24-20, 18-16 AWG	A9841-ND	468.14	91505-1
Certi-Crimp Tool, 18-14 AWG	A31204-ND	551.57	91519-1
Series 1 and MIL-C-5015 Contacts			
Certi-Crimp Tool, 24-20 AWG	A9941-ND	551.57	91542-1
Certi-Crimp Tool, 18-16, 14 AWG	A9009-ND	551.57	91521-1
Contact Extraction Tool	A1329-ND	12.60	305183

Description	Digi-Key Part No.	Price Each	AMP Part No.
Series 2 Contacts			
Pro-Crimper III with Die Set, 28-24, 24-20 AWG	A9990-ND	145.50	58448-2
Die Set for Pro-Crimper III, 28-24, 24-20 AWG	A9814-ND	111.00	58448-3
Certi-Crimp Tool, 28-24, 24-20 AWG	A31205-ND	491.31	91503-1
Contact Insertion / Extraction Tool	A1010-ND	5.93	91067-2
Pro-Crimper III Hand Tool without Dies	A9996-ND	66.00	354940-1
Series 3 Contacts			
Certi-Crimp Tool, 16-12 AWG	A9911-ND	655.08	90382-2
Certi-Crimp Tool, 10 AWG	A9910-ND	655.08	90384-1
Contact Extraction Tool	A9912-ND	105.45	91019-3
Coaxial			
Die Set for Pro-Crimper III RG-174/188/316	A30529-ND	569.64	91911-3
Certi-Crimp Tool RG-178/196	A25152-ND	4542.30	69656-2
Certi-Crimp Tool, 26 AWG Shielded	A25153-ND	4542.30	69656-3

Shielded DIN Connectors

Features: • Crimp, snap-in contacts • Designed for ease of post molding • Pre-molded cord guard • Tin-plated brass contacts • Ferrule crimps onto shield for reliable termination • Meets or exceeds DIN specification 41524 for 3- and 5-position plugs and DIN 45322 for 6-position plugs • UL recognized under the Component Program, File No. E28476 • CSA certified, File No. LR-35510

Housings: Black nylon 94V-0
Ferrule and Shield: Brass, tin-plated
Cord Guard: Thermoplastic polymer, black
Contacts: Brass, tin-plated
Pin Contacts: Copper alloy; .00050" tin over .00010" nickel plating



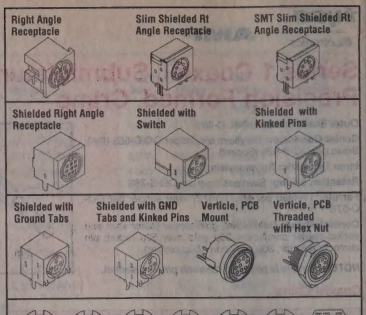
Description	Digi-Key Part No.	Pricing 1	25	AMP Part No.
6-Position Housing	A1653-ND†	2.46	58.19	212437-4
6-Position Housing	A32317-ND†◊	2.22	52.50	9-212437-1
8-Position Housing	A1655-ND†	3.00	70.88	212437-6
8-Position Housing	A32318-ND†◊	2.98	70.44	9-212437-2
Cord Guard, 4.19mm-6.35mm Cable Diameter	A1659-ND	1.87	43.23	212800-1
5-Position Receptacle, Right Angle	A32314-ND◊	3.13	73.94	5212044-1
6-Position Receptacle, Right Angle	A32315-ND◊	3.83	90.56	5212045-1
8-Position Receptacle, Right Angle	A32316-ND◊	4.14	98.00	5212047-1
Pin Contact, 28-22 AWG	A1667-ND	9.66/10	67.50/100	66728-5
Contact Insertion Tool	A9998-ND	18.63	—	91002-1
Contact Extraction Tool	A9997-ND	895.05	—	91144-1

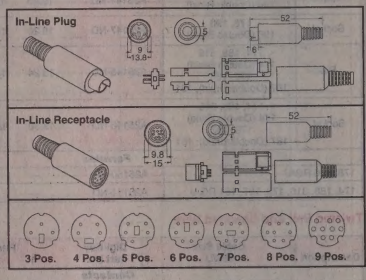
† Ferrules, contacts and cord guards sold separately ◊ ***RoHS Compliant***

CUI INC Miniature DIN Connectors

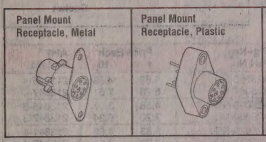
APPLICATIONS: Because of their compact size and durable design, mini-DIN connectors are ideal for signal applications where space is at a premium. A variety of configurations including vertical, horizontal and in-line models allows for most requirements. Their concentric, cylindrical ground shell make these connectors an excellent choice where EMI/RFI is a concern. Typical applications include computers, peripheral devices, office, audio and video equipment. **GENERAL SPECIFICATIONS:** • **Rating:** 100VAC 1A maximum, 12VDC 2A maximum • **Insulation Resistance:** minimum 50MEGΩ @ 250VDC • **Voltage Withstand:** 250VAC, 1 minute • **Contact Resistance:** Pins - 30mΩ maximum, Shell - 50mΩ maximum (All accessories included)

No. of Pos.	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
Shielded Right Angle Receptacles					
3	CP-2230-ND	.99	.86	.66	MD-30SM
4	CP-2240-ND	1.02	.89	.68	MD-40SM
5	CP-2250-ND	1.05	.91	.70	MD-50SM
6	CP-2260-ND	1.11	.97	.74	MD-60SM
7	CP-2270-ND	1.23	1.07	.82	MD-70SM
8	CP-2280-ND	1.32	1.15	.88	MD-80SM
9	CP-2290-ND	1.65	1.43	1.10	MD-90SM
Slim Shielded Right Angle PCB Receptacles					
4	CP-2245-ND	1.44	1.25	.96	MD2-40ST
6	CP-2267-ND	1.53	1.33	1.02	MD2-60ST
SMT Slim Shielded Right Angle Receptacles					
4	CP-3145-ND	1.65	1.43	1.10	MD2-40ST-SMT
6	CP-3167-ND	1.74	1.51	1.16	MD2-60ST-SMT
Right Angle PCB Mount Receptacles					
3	CP-2430-ND	.78	.68	.52	MD-30S
4	CP-2440-ND	.81	.71	.54	MD-40S
5	CP-2450-ND	.86	.75	.57	MD-50S
6	CP-2460-ND	.90	.78	.60	MD-60S
7	CP-2470-ND	1.02	.89	.68	MD-70S
8	CP-2480-ND	1.11	.97	.74	MD-80S
9	CP-2490-ND	1.53	1.33	1.02	MD-90S
Shielded Receptacles with Switch					
3	CP-3030-ND	2.01	1.75	1.34	MD-30SMW
4	CP-3040-ND	2.10	1.82	1.40	MD-40SMW
5	CP-3050-ND	2.19	1.90	1.46	MD-50SMW
6	CP-3060-ND	2.31	2.01	1.54	MD-60SMW
7	CP-3070-ND	2.40	2.08	1.60	MD-70SMW
8	CP-3080-ND	2.46	2.14	1.64	MD-80SMW
Shielded Receptacles with Kinked Pins					
3	CP-4030-ND	.99	.86	.66	MD-30SMK
4	CP-4040-ND	1.02	.89	.68	MD-40SMK
5	CP-4050-ND	1.05	.91	.70	MD-50SMK
6	CP-4060-ND	1.11	.97	.74	MD-60SMK
7	CP-4070-ND	1.23	1.07	.82	MD-70SMK
8	CP-4080-ND	1.32	1.15	.88	MD-80SMK
Shielded Receptacles with Ground Tabs					
3	CP-5030-ND	1.32	1.15	.88	MD-30SG
4	CP-5040-ND	1.35	1.17	.90	MD-40SG
5	CP-5050-ND	1.38	1.20	.92	MD-50SG
6	CP-5060-ND	1.44	1.25	.96	MD-60SG
8	CP-5080-ND	1.83	1.59	1.22	MD-80SG
Shielded Receptacles with Ground Tabs and Kinked Pins					
3	CP-6030-ND	1.32	1.15	.88	MD-30SGK
4	CP-6040-ND	1.35	1.17	.90	MD-40SGK
5	CP-6050-ND	1.38	1.20	.92	MD-50SGK
6	CP-6060-ND	1.44	1.25	.96	MD-60SGK
8	CP-6080-ND	1.83	1.59	1.22	MD-80SGK
Vertical PCB Mount Receptacles					
3	CP-2730-ND	1.02	.89	.68	MD-30SV
4	CP-2740-ND	1.08	.94	.72	MD-40SV
5	CP-2750-ND	1.14	.99	.76	MD-50SV
6	CP-2760-ND	1.17	1.02	.78	MD-60SV
8	CP-2780-ND	1.29	1.12	.86	MD-80SV
Vertical PCB Mount Threaded Receptacles with Hex Nut					
3	CP-2830-ND	1.41	1.23	.94	MD-30CV
4	CP-2840-ND	1.47	1.28	.98	MD-40CV
5	CP-2850-ND	1.50	1.30	1.00	MD-50CV
6	CP-2860-ND	1.56	1.36	1.04	MD-60CV
8	CP-2880-ND	1.65	1.43	1.10	MD-80CV
In-Line Plugs					
3	CP-2030-ND	1.29	1.12	.86	MD-30
4	CP-2040-ND	1.32	1.15	.88	MD-40
5	CP-2050-ND	1.38	1.20	.92	MD-50
6	CP-2060-ND	1.20	1.04	.80	MD-60
7	CP-2070-ND	1.50	1.30	1.00	MD-70
8	CP-2080-ND	1.56	1.36	1.04	MD-80
9	CP-2090-ND	1.98	1.72	1.32	MD-90
In-Line Receptacles					
3	CP-2130-ND	1.23	1.07	.82	MD-30J
4	CP-2140-ND	1.29	1.12	.86	MD-40J
5	CP-2150-ND	1.56	1.36	1.04	MD-50J
6	CP-2160-ND	1.62	1.41	1.08	MD-60J
7	CP-2170-ND	1.47	1.28	.98	MD-70J
8	CP-2180-ND	1.53	1.33	1.02	MD-80J
9	CP-2190-ND	1.98	1.72	1.32	MD-90J
Crimp Pin	CP-9999-ND	—	.09	.05	T-0006





Mini-DIN Panel Mount Connectors



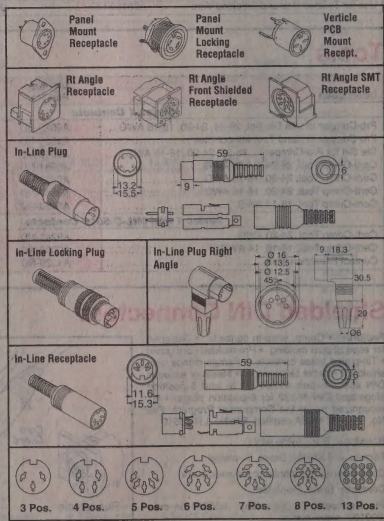
No. of Pos.	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
Panel Mount Mini-DIN Connectors — Metal					
3	CP-2530-ND	1.44	1.25	.96	MD-30SN
4	CP-2540-ND	1.29	1.12	.86	MD-40SN
5	CP-2550-ND	1.35	1.17	.90	MD-50SN
6	CP-2560-ND	1.62	1.41	1.08	MD-60SN
7	CP-2570-ND	1.47	1.28	.98	MD-70SN
8	CP-2580-ND	1.74	1.51	1.16	MD-80SN
9	CP-2590-ND	1.62	1.41	1.08	MD-90SN
Panel Mount Mini-DIN Connectors — Plastic					
3	CP-2630-ND	1.32	1.15	.88	MD-30SP
4	CP-2640-ND	1.59	1.41	1.06	MD-40SP
5	CP-2650-ND	1.44	1.25	.96	MD-50SP
6	CP-2660-ND	1.71	1.49	1.14	MD-60SP
7	CP-2670-ND	1.56	1.39	1.04	MD-70SP
8	CP-2680-ND	1.62	1.41	1.08	MD-80SP
Panel Mount Mini-DIN Connectors with 4" Lead Wires (26AWG)					
3	CP-2930-ND	1.65	1.43	1.10	MD-30PL100
4	CP-2940-ND	1.74	1.51	1.16	MD-40PL100
5	CP-2950-ND	1.89	1.64	1.26	MD-50PL100
6	CP-2960-ND	1.98	1.72	1.32	MD-60PL100
8	CP-2980-ND	2.19	1.90	1.46	MD-80PL100

Circular DIN Connectors

APPLICATIONS: Circular DIN connectors combine low contact resistance with relatively high ampacity which make them an excellent choice for signal or power applications. Ideal for use with computers, peripheral devices, office equipment, power supplies, etc., their low cost and compact, durable design have made them a proven value.

GENERAL SPECIFICATIONS: • **Ratings:** 100VAC 2A maximum • **Insulation Resistance:** minimum 100MEGΩ @ 500VDC • **Voltage Withstand:** 1000VAC 1 minute • **Contact Resistance:** Pins - 10mΩ @ maximum, Shell - 50mΩ maximum (All accessories included)

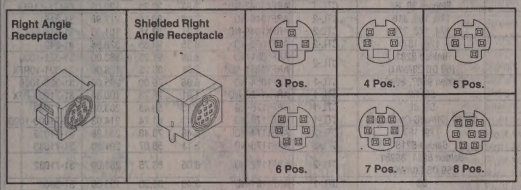
No. of Pos.	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
Panel Mount Receptacles					
3	CP-1230-ND	1.20	1.04	.80	SD-30SN
4	CP-1240-ND	1.26	1.10	.84	SD-40SN
5	CP-1250-ND	1.29	1.12	.86	SD-50SN
6	CP-1260-ND	1.35	1.17	.90	SD-60SN
7	CP-1270-ND	1.38	1.20	.92	SD-70SN
8	CP-1280-ND	1.44	1.25	.96	SD-80SN
Panel Mount Locking Receptacles					
3	CP-1233-ND	2.48	2.15	1.66	SD-30LS
4	CP-1234-ND	2.62	2.28	1.75	SD-40LS
5	CP-1235-ND	2.78	2.40	1.85	SD-50LS
6	CP-1236-ND	2.91	2.52	1.94	SD-60LS
7	CP-1237-ND	3.05	2.65	2.04	SD-70LS
8	CP-1238-ND	3.20	2.78	2.14	SD-80LS
Vertical PCB Mount Receptacles					
3	CP-3130-ND	.88	.77	.59	SD-30BV
5	CP-3150-ND	.93	.81	.62	SD-50BV
6	CP-3160-ND	.96	.83	.64	SD-60BV
7	CP-3170-ND	.99	.86	.66	SD-70BV
8	CP-3180-ND	1.04	.90	.69	SD-80BV
Right Angle Receptacles					
3	CP-2330-ND	.69	.60	.46	SDS-30J
4	CP-2340-ND	.72	.63	.48	SDS-40J
5	CP-2350-ND	.72	.63	.48	SDS-50J
6	CP-2360-ND	1.08	.94	.72	SDS-60J
7	CP-2370-ND	1.20	1.04	.80	SDS-70J
8	CP-2380-ND	1.32	1.15	.88	SDS-80J
13	CP-2313-ND	2.85	2.47	1.90	SDD-130J
Right Angle Front Shielded Receptacles					
3	CP-7030-ND	.75	.65	.50	SDF-30J
4	CP-7040-ND	.90	.78	.60	SDF-40J
5	CP-7050-ND	.90	.78	.60	SDF-50J
6	CP-7060-ND	1.23	1.07	.82	SDF-60J
7	CP-7070-ND	1.32	1.15	.88	SDF-70J
8	CP-7080-ND	1.50	1.30	1.00	SDF-80J
13	CP-3313-ND	2.97	2.58	1.98	SDF-130J
Right Angle Surface Mount Receptacles					
4	CP-1000-ND	1.26	1.10	.84	SDS-40J-SMT
8	CP-1001-ND	1.53	1.33	1.02	SDS-80J-SMT
In-Line Plugs					
3	CP-1030-ND	1.14	.99	.76	SD-30
4	CP-1040-ND	1.17	1.02	.78	SD-40
5	CP-1050-ND	1.23	1.07	.82	SD-50
6	CP-1060-ND	1.26	1.10	.84	SD-60
7	CP-1070-ND	1.32	1.15	.88	SD-70
8	CP-1080-ND	1.35	1.17	.90	SD-80
13	CP-1013-ND	1.98	1.72	1.32	SD-130
In-Line Locking Plugs					
3	CP-1033-ND	3.41	2.96	2.28	SD-30LP
4	CP-1034-ND	3.55	3.08	2.37	SD-40LP
5	CP-1035-ND	3.73	3.24	2.49	SD-50LP
6	CP-1036-ND	3.88	3.36	2.59	SD-60LP
7	CP-1037-ND	4.02	3.49	2.68	SD-70LP
8	CP-1038-ND	4.16	3.61	2.78	SD-80LP
In-Line Right Angle Plugs					
3	CP-1330-ND	2.29	1.98	1.52	SDR-30
5	CP-1350-ND	2.49	2.16	1.66	SDR-50
6	CP-1360-ND	2.55	2.21	1.70	SDR-60
7	CP-1370-ND	2.73	2.37	1.82	SDR-70
8	CP-1380-ND	2.82	2.45	1.88	SDR-80
In-Line Receptacles					
3	CP-1130-ND	1.14	.99	.76	SD-30J
4	CP-1140-ND	1.29	1.12	.86	SD-40J
5	CP-1150-ND	1.32	1.15	.88	SD-50J
6	CP-1160-ND	1.35	1.17	.90	SD-60J
7	CP-1170-ND	1.38	1.20	.92	SD-70J
8	CP-1180-ND	1.41	1.23	.94	SD-80J
13	CP-1113-ND	3.45	2.99	2.30	SD-130J

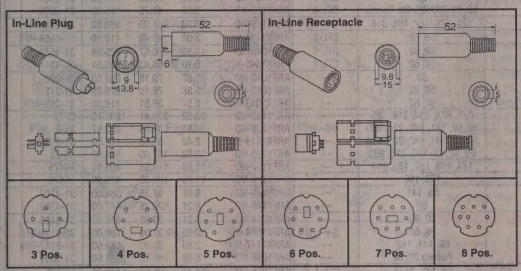


SINGATRON Mini DIN Connectors

APPLICATIONS:
Because of their compact size and durable design, mini-DIN connectors are ideal for signal applications where space is at a premium. A variety of configurations including vertical, horizontal and in-line models allows for most requirements. Their concentric, cylindrical ground shell make these connectors an excellent choice where EMI/RFI is a concern. Typical applications include computers, peripheral devices, office, audio and video equipment.

GENERAL SPECIFICATIONS:
• **Rating:** 100VAC 1A maximum, 12VDC 2A maximum • **Insulation Resistance:** minimum 50MΩ @ 250VDC • **Voltage Withstand:** 250VAC, 1 minute • **Contact Resistance:** Pins - 30mΩ maximum, Shell - 50mΩ maximum (All accessories included)

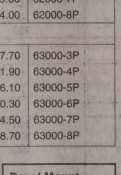




Description	Digi-Key Part No.	Pricing 1	10	100	Singatron Part No.
Right Angle PCB Mount Receptacles					
3-Pos. Right Angle Receptacle	275-1040-ND	.81	7.02	54.60	2MJ-0001A110
4-Pos. Right Angle Receptacle	275-1041-ND	.84	7.29	56.70	2MJ-0002A110
5-Pos. Right Angle Receptacle	275-1042-ND	.88	7.70	59.85	2MJ-0003A110
6-Pos. Right Angle Receptacle	275-1043-ND	.93	8.10	63.00	2MJ-0004A110
7-Pos. Right Angle Receptacle	275-1044-ND	1.05	9.18	71.40	2MJ-0005A110
8-Pos. Right Angle Receptacle	275-1045-ND	1.15	9.99	77.70	2MJ-0006A110
Shielded Right Angle Receptacles					
3-Pos. Right Angle Receptacle	275-1046-ND	1.02	8.91	69.30	2MJ-0101A120
4-Pos. Right Angle Receptacle	275-1047-ND	1.05	9.18	71.40	2MJ-0102A120
5-Pos. Right Angle Receptacle	275-1048-ND	1.09	9.45	73.50	2MJ-0103A120
6-Pos. Right Angle Receptacle	275-1049-ND	1.15	9.99	77.70	2MJ-0104A120
7-Pos. Right Angle Receptacle	275-1050-ND	1.27	11.07	86.10	2MJ-0105A120
8-Pos. Right Angle Receptacle	275-1051-ND	1.36	11.88	92.40	2MJ-0106A120
In-Line Plug					
3-Pos. In-Line Plug	275-1028-ND	.93	8.10	63.00	62000-3P
4-Pos. In-Line Plug	275-1029-ND	.99	8.64	67.20	62000-4P
5-Pos. In-Line Plug	275-1030-ND	1.05	9.18	71.40	62000-5P
6-Pos. In-Line Plug	275-1031-ND	1.12	9.72	75.60	62000-6P
7-Pos. In-Line Plug	275-1032-ND	1.18	10.26	79.80	62000-7P
8-Pos. In-Line Plug	275-1033-ND	1.24	10.80	84.00	62000-8P
In-Line Receptacle					
3-Pos. In-Line Jack	275-1034-ND	1.15	9.99	77.70	63000-3P
4-Pos. In-Line Jack	275-1035-ND	1.21	10.53	81.90	63000-4P
5-Pos. In-Line Jack	275-1036-ND	1.27	11.07	86.10	63000-5P
6-Pos. In-Line Jack	275-1037-ND	1.33	11.61	90.30	63000-6P
7-Pos. In-Line Jack	275-1038-ND	1.40	12.15	94.50	63000-7P
8-Pos. In-Line Jack	275-1039-ND	1.46	12.69	98.70	63000-8P

Description	Digi-Key Part No.	Pricing 1	10	100	Singatron Part No.
Panel Mount Mini-DIN Connectors With 6" (15.24cm) Lead Wire (26AWG)					
3-Pos. Recept.	275-1100-ND	1.71	14.85	115.50	2MJ-20116000
4-Pos. Recept.	275-1101-ND	1.95	17.01	132.30	2MJ-20216000
5-Pos. Recept.	275-1102-ND	2.14	18.63	144.90	2MJ-20316000
6-Pos. Recept.	275-1103-ND	2.33	20.25	157.50	2MJ-20416000
7-Pos. Recept.	275-1104-ND	2.42	21.06	163.80	2MJ-20516000
8-Pos. Recept.	275-1105-ND	2.42	21.06	163.80	2MJ-20616000

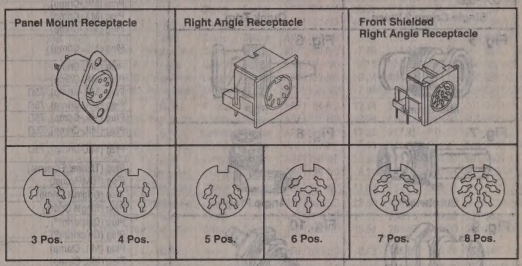
Panel Mount Recept., Plastic

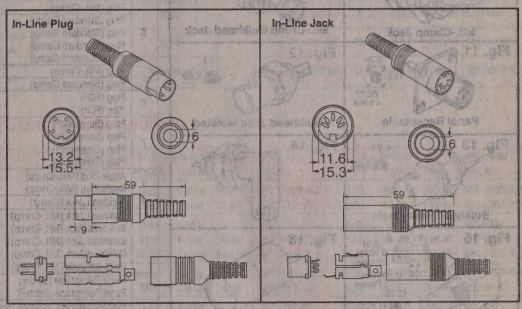


SINGATRON Circular DIN Connectors

APPLICATIONS:
Circular DIN connectors combine low contact resistance with relatively high ampacity which make them an excellent choice for signal or power applications. Ideal for use with computers, peripheral devices, office equipment, power supplies, etc., their low cost and compact, durable design have made them a proven value.

GENERAL SPECIFICATIONS:
• **Ratings:** 100VAC 2A maximum • **Insulation Resistance:** minimum 100MΩ @ 500VDC • **Voltage Withstand:** 1000VAC, 1 minute • **Contact Resistance:** Pins - 10mΩ @ maximum, Shell - 50mΩ maximum (All accessories included)





Description	Digi-Key Part No.	Pricing 1	10	100	Singatron Part No.
Panel Mount Receptacles					
3-Pos. Panel Mount Receptacle	275-1012-ND	.64	5.54	43.05	YE-1363
4-Pos. Panel Mount Receptacle	275-1013-ND	.67	5.81	45.15	YE-1364
5-Pos. Panel Mount Receptacle	275-1014-ND	.72	6.26	48.72	YE-1365A
6-Pos. Panel Mount Receptacle	275-1015-ND	.76	6.62	51.45	YE-1366
7-Pos. Panel Mount Receptacle	275-1016-ND	.82	7.16	55.65	YE-1367
8-Pos. Panel Mount Receptacle	275-1017-ND	.88	7.70	59.85	YE-1368A
Right Angle Receptacles					
5-Pos. Right Angle Receptacle	275-1019-ND	.78	6.75	52.50	2DJ-00600003
6-Pos. Right Angle Receptacle	275-1020-ND	1.24	10.80	84.00	2DJ-0196PA02
7-Pos. Right Angle Receptacle	275-1021-ND	1.33	11.61	90.30	2DJ-0077PA03
8-Pos. Right Angle Receptacle	275-1022-ND	1.43	12.42	96.60	2DJ-0108PA03
Right Angle Front Shielded Receptacles					
5-Pos. Right Angle Front Shielded	275-1024-ND	1.09	9.45	73.50	2DJ-0065PSA2
6-Pos. Right Angle Front Shielded	275-1025-ND	1.43	12.42	96.60	2DJ-0196PSA2
7-Pos. Right Angle Front Shielded	275-1026-ND	1.52	13.23	102.90	2DJ-0077PSA2
8-Pos. Right Angle Front Shielded	275-1027-ND	1.71	14.85	115.50	2DJ-0108PSA2
In-Line Plug					
3-Pos. In-Line Plug	275-1000-ND	.53	4.59	35.70	YE-1153
4-Pos. In-Line Plug	275-1001-ND	.56	4.86	37.80	YE-1154
5-Pos. In-Line Plug	275-1002-ND	.59	5.13	39.90	YE-1155A
6-Pos. In-Line Plug	275-1003-ND	.62	5.40	42.00	YE-1156
7-Pos. In-Line Plug	275-1004-ND	.68	5.94	46.20	YE-1157
8-Pos. In-Line Plug	275-1005-ND	.74	6.48	50.40	YE-1158A
In-Line Jack					
3-Pos. In-Line Jack	275-1006-ND	.67	5.81	45.15	YE-1333
4-Pos. In-Line Jack	275-1007-ND	.73	6.35	49.35	YE-1334
5-Pos. In-Line Jack	275-1008-ND	.74	6.48	50.40	YE-1335A
6-Pos. In-Line Jack	275-1009-ND	.79	6.89	53.55	YE-1336
7-Pos. In-Line Jack	275-1010-ND	.85	7.43	57.75	YE-1337
8-Pos. In-Line Jack	275-1011-ND	.91	7.97	61.95	YE-1338A

RF and RFX Connectors

BNC Coaxial Connectors

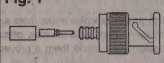
Fig. 1

MIL-Crimp 3 Piece

Fig. 2

Original Crimp

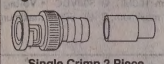
Fig. 3

Single Crimp 2 Piece

Fig. 4

Quick Trim

Fig. 5

MIL-Clamp

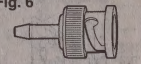
Fig. 6

FCP

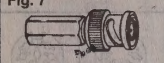
Fig. 7

Suretwist®

Fig. 8

Angle Plug

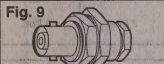
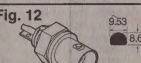
Fig. 9

MIL-Clamp Jack

Fig. 10

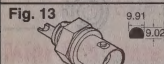
MIL-Crimp Bulkhead Jack

Fig. 11

Panel Receptacle

Fig. 12


Bulkhead Jack Isolated

Fig. 13


Bulkhead Receptacle

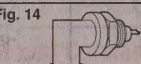
Fig. 14


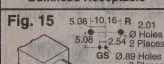
Fig. 15


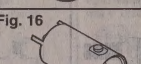
Fig. 16


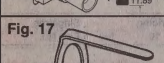
Fig. 17


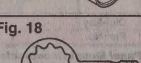
Fig. 18


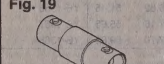
Fig. 19


Fig. 20

Fig. 21

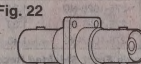
Fig. 22


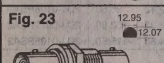
Fig. 23


Fig. 24

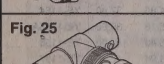
Fig. 25


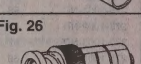
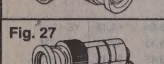
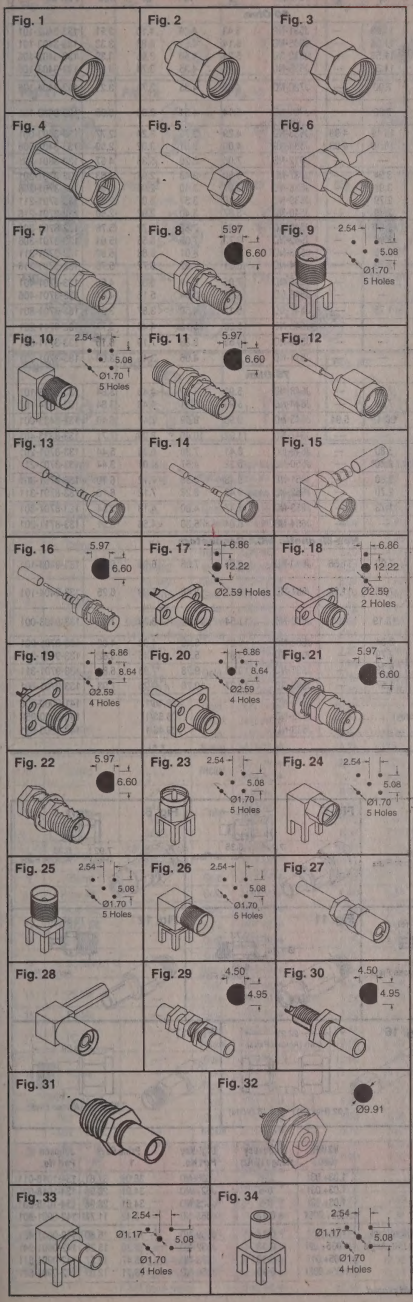
Fig. 26


Fig. 27


* RFX connectors: RFX™ is specifically designed for applications that do not require performance above 1 to 3 GHz. RFX™ connectors are not for use in military system applications. RFX™ connectors are generally less expensive than MIL-Spec and industry standard connectors.

Fig.	Description	Cable Group RG/U	Crimp Tool Part No.	Digi-Key Part No.	Pricing 1	25	100	Amphenol Part No.
1	Plug (MIL-Crimp)	58, 141, 142	CTL-1	ARF1039-ND	6.38	72.48	251.44	31-320
	Plug (MIL-Crimp)	58, 141, 142	CTL-1	ARFX1039-ND*	1.91	28.28	100.34	31-320-RFX
	Plug (Quick-Crimp)	Plenum 58	CTL-1	ARFX1041-ND*	2.35	26.50	99.00	36650-3RFX
	Plug (MIL-Crimp)	59, 62	CTL-1	ARF1042-ND	6.91	78.57	272.49	31-321
	Plug (MIL-Crimp)	59, 62	CTL-1	ARFX1042-ND*	2.05	30.23	107.26	31-321-RFX
	Plug (MIL-Crimp)	59, 62, 71, 140, 210, 302	CTL-1	ARF1156-ND	6.86	77.75	292.00	68175
	Plug (MIL-Crimp)	Belden 9259	CTL-1	ARF1052-ND	6.96	79.00	295.00	68175-1003
	Plug (MIL-Crimp)	59 (20AWG Ctr. Cond.)	CTL-1	ARF1046-ND	6.90	78.38	271.99	68175-1005
	Plug (MIL-Crimp)	59 (20AWG Ctr. Cond.)	CTL-1	ARFX1046-ND*	2.30	26.19	90.51	68175-5RFX
	Plug (MIL-Crimp)	Plenum 59, 62	CTL-1	ARFX1047-ND*	2.83	32.25	120.00	68175-11RFX
	Plug (MIL-Crimp)	174, 188, 316	CTL-2	ARF1049-ND	7.06	80.15	277.98	31-315
	Plug (MIL-Crimp)	174, 188, 316	CTL-2	ARFX1049-ND*	2.21	33.15	101.03	31-315-RFX
	Plug (MIL-Crimp)	179, 187	CTL-2	ARF1050-ND	8.35	94.85	328.95	31-242
	Plug (MIL-Crimp)	Belden 8281 (59 DB 20AWG)	CTL-2	ARF1051-ND	8.58	97.25	363.00	31-321-1000
				ARFX1051-ND*	3.01	35.25	126.00	31-321-10RFX
	Plug (MIL-Crimp)	Belden 9907, 89907	CTL-1	ARF1054-ND	6.96	79.00	295.00	31-320-1006
	Plug (MIL-Crimp)	59, 62	CTL-1	ARFX1123-ND*	1.91	28.28	100.34	31-71008-RFX
	Plug (MIL-Crimp), 75Ω	59, 62	CTL-1	ARF1175-ND	5.15	58.48	203.02	31-71008
	Plug (MIL-Crimp), 75Ω	59, 62 (20AWG Ctr. Cond.)	CTL-1	ARF1176-ND	5.43	61.74	214.03	31-71008-1000
	Plug (MIL-Crimp), 75Ω	179, 187	CTL-2	ARF1174-ND	6.46	73.48	253.96	31-71013
	Plug (MIL-Crimp), 75Ω	Belden 8218	CTL-2	ARF1173-ND	5.11	58.07	201.50	31-71033
	Plug (MIL-Crimp), 75Ω	Belden 8281, 88281 (59 DB 20AWG)	CTL-2	ARF1172-ND	6.05	68.75	251.00	31-71032
	Plug (Thinnet/Ethernet)	58	CTL-1	ARF1181-ND	3.46	39.50	153.00	31-5800
	Plug (IBM/Arcnet)	59, 62 (20AWG Ctr. Cond.)	CTL-1	ARF1182-ND	3.68	42.75	155.00	31-5900
2	Plug (Original Crimp)	174, 179, 187, 188, 316	—	ARF1143-ND	23.20	231.00	860.00	31-371
3	Plug (Single Crimp)	59, 62	CTL-2	ARFX1124-ND*	3.08	45.48	118.50	31-5556-RFX
4	Plug (Quicktrim®)	59, 62	CTL-1	ARF1045-ND	15.50	226.57	825.28	31-4541
	Plug (Quicktrim®)	59, 62	CTL-1	ARFX1045-ND*	6.10	66.43	230.51	31-4541-RFX
5	Plug (MIL-Clamp)	58	—	ARF1040-ND	5.87	70.18	242.50	31-202
	Plug (MIL-Clamp)	59, 62	—	ARF1043-ND	5.38	78.10	270.25	31-212
	Plug (MIL-Clamp)	59, 62	—	ARFX1043-ND*	2.57	38.51	116.31	31-212-RFX
	Plug (Standard Clamp)	8, 9, 87A, 214, 313, 225	—	ARF1155-ND	26.92	374.41	1296.75	6775
	Plug (Standard Clamp)	55, 58, 141, 142, 223, 400	—	ARF1126-ND	6.51	84.56	292.97	31-2
	Plug (Standard Clamp)	55, 58, 141, 142, 223, 400	—	ARFX1119-ND*	2.43	38.00	114.00	31-2-RFX
	Plug (Standard Clamp)	59, 62, 71, 140, 210, 302	—	ARF1123-ND	13.82	157.00	586.00	31-12
	Plug (MIL-Clamp)	174, 179, 187, 188, 316	—	ARF1157-ND	10.26	116.65	403.99	69475
	Plug (Standard Clamp)	178, 196	—	ARF1120-ND	11.25	128.00	476.00	15875
6	Plug (FCP)	58, 141	—	ARF1145-ND	8.61	97.75	364.00	31-4700
	Plug (FCP)	59	—	ARF1146-ND	8.21	120.25	447.00	31-4702
7	Plug (Suretwist®)	59, 62	—	ARF1044-ND	8.21	93.25	348.00	31-5136
	Plug (Suretwist®)	59, 62	—	ARFX1044-ND*	2.83	33.00	130.00	31-5136-RFX
	Plug (Suretwist®)	58, 141, 142	—	ARFX1147-ND*	2.83	33.00	130.00	31-5137-RFX
	Plug (Suretwist®)	Plenum 59, 62	—	ARF1048-ND	8.88	148.00	473.60	31-5369
8	Angle Plug (MIL-Crimp)	58, 141, 142A	CTL-1	ARF1055-ND	34.77	395.00	1472.01	31-335
	Angle Plug (MIL-Crimp)	58, 141, 142A	CTL-1	ARFX1055-ND*	5.16	83.56	305.60	31-335-RFX
9	Bulkhead Jack (Clamp)	55, 58, 141, 142, 223, 400	—	ARF1127-ND	11.51	130.75	487.00	31-206
10	Bulkhead Jack (MIL-Crimp)	55, 58, 141, 142, 223, 400	CTL-1	ARF1060-ND	10.63	187.54	649.50	31-342
	Bulkhead Jack (MIL-Crimp)	55, 58, 141, 142, 223, 400	CTL-1	ARFX1060-ND*	4.27	46.29	162.00	31-342-RFX
	Bulkhead Jack (MIL-Crimp)	59, 82, 140, 210	CTL-1	ARFX1061-ND*	6.20	70.50	263.00	31-343-RFX
	Bulkhead Jack (MIL-Crimp)	174, 188, 316	CTL-2	ARF1139-ND	13.47	152.92	529.99	31-318
	Bulkhead Jack (MIL-Crimp)	174, 188, 316	CTL-2	ARFX1139-ND*	3.78	60.75	236.01	31-318-RFX
11	Panel Receptacle (Solder)	—	—	ARF1062-ND	9.80	111.50	395.00	31-203
	Panel Receptacle (Solder)	—	—	ARFX1062-ND*	3.42	53.10	178.00	31-203-RFX
12	Bulkhead Recept. Isolated (Solder)	—	—	ARF1063-ND	4.04	45.81	158.70	31-10
	Bulkhead Recept. Isolated (Solder)	—	—	ARFX1063-ND*	2.70	41.33	143.55	31-10-RFX
	Bulkhead Isolated Recept.	75Ω	—	ARF1121-ND	10.53	119.50	445.00	31-10-75
13	Bulkhead Recept. Pressurized	—	—	ARF1134-ND	4.22	49.50	181.00	31-236
	Bulkhead Recept.	—	—	ARF1064-ND	2.57	35.89	124.01	31-221
	Bulkhead Recept. (Solder)	—	—	ARFX1064-ND*	3.01	21.95	78.65	31-221-RFX
	Bulkhead Recept.	—	—	ARF1131-ND	3.19	47.50	164.00	31-2221
	Bulkhead Recept.	75Ω	—	ARF1149-ND	11.75	212.72	642.00	31-70018
	Bulkhead Recept. Pressurized	—	—	ARF1122-ND	8.78	112.00	418.00	31-102
	Bulkhead Recept. Pressurized	—	—	ARF1136-ND	34.43	391.25	1458.01	31-238
14	Angle Bulkhead Recept.	—	—	ARF1130-ND	65.18	740.50	2760.00	31-222
15	Rt. Angle Bulkhead Recept.	—	—	ARF1065-ND	7.61	86.39	299.57	31-5431
	Rt. Ang. Bulkhead Recept. w/Hardware	—	—	ARF1065NW-ND	8.09	103.31	358.78	31-5431-2010
	Rt. Angle Bulkhead Recept.	75Ω	—	ARF1177-ND	6.78	77.11	266.45	31-71047-1010
	Rt. Angle Bulkhead Recept.	50Ω	—	ARF1178-ND	6.78	77.11	266.45	31-5640-1010
	Rt. Angle Bulkhead Recept. Metal	75Ω	—	ARF1179-ND	6.47	73.65	254.47	31-71043-1010
	Rt. Angle Bulkhead Recept. Low Profile	50Ω	—	ARF1180-ND	7.62	86.50	315.00	31-5486-1010
16	Receptacle Vertical PC	—	—	ARF1066-ND	8.70	99.00	370.00	31-5329
17	Shield Grounding Lug	—	—	ARF1067-ND	.86	11.25	38.00	31-759
18	Grounding Lug	—	—	ARF1068-ND	.74	8.25	28.00	31-10152-RFX
19	Straight/Jack-Jack	—	—	ARF1069-ND	7.08	80.39	278.48	31-219
	Straight/Jack-Jack	—	—	ARFX1069-ND*	4.85	59.81	206.98	31-219-RFX
	Straight/Jack-Jack	75Ω	—	ARF1150-ND	8.11	92.17	318.96	31-70019
20	Straight/Plug-Plug	—	—	ARF1070-ND	3.06	36.00	607.00	31-218
	Straight/Plug-Plug	—	—	ARFX1070-ND*	3.80	58.95	213.53	31-218-RFX
21	Angle/Jack-Plug	—	—	ARF1071-ND	18.11	205.85	713.04	31-9
	Angle/Jack-Plug	—	—	ARFX1071-ND*	6.56	74.75	290.00	31-9-RFX
	Angle/Jack-Plug	—	—	ARF1128-ND	19.76	224.50	837.00	31-209
22	Panel/Jack-Jack	—	—	ARF1154-ND	55.38	687.90	2382.09	47000
23	Bulkhead/Jack-Jack, Gasketed	50Ω	—	ARFX1130-ND*	4.92	56.95	197.48	31-220G-RFX
	Bulkhead/Jack-Jack (Sealed)	50Ω	—	ARF1129-ND	12.04	136.80	474.02	31-220H
	Bulkhead/Jack-Jack, Non-Gasketed	50Ω	—	ARF1072-ND	11.68	132.75	482.00	31-220N
	Bulkhead/Jack-Jack	—	—	ARFX1072-ND*	4.39	49.48	171.29	31-220N-RFX
	Bulkhead/Jack-Jack (Sealed)	—	—	ARF1140-ND	16.20	194.00	738.00	31-3220
	Bulkhead/Jack-Jack, Gasketed	75Ω	—	ARF1151-ND	27.45	311.75	1161.00	31-70020
24	Bulkhead/Jack-Jack (Ins.)	—	—	ARF1073-ND	13.24	150.49	521.32	31-4803
25	Tee/Jack-Plug-Jack	—	—	ARF1152-ND	17.98	195.00	727.00	31-8
	Tee/Jack-Plug-Jack	50Ω	—	ARF1074-ND	14.29	162.25	605.00	31-208
	Tee/Jack-Plug-Jack	50Ω	—	ARFX1074-ND*	4.56	71.31	239.97	31-208-RFX
26	Res. Cap, 50 Ohm	—	—	ARF1075-ND	20.95	238.00	887.00	46650-51
	Res. Cap, 50 Ohm	—	—	ARFX1075-ND*	3.06	34.70	120.48	46650-51-RFX
	Res. Cap, 75 Ohm	—	—	ARFX1076-ND*	3.40	38.75	144.00	46650-75-RFX
	Res. Cap, 93 Ohm	—	—	ARFX1077-ND*	3.91	44.49	154.22	46650-93-RFX
27	Res. Cap & Chain, 50 Ohm	—	—	ARF1078-ND	22.72	258.25	962.00	35650-51
	Res. Cap & Chain, 75 Ohm	—	—	ARF1079-ND	22.72	258.25	962.00	35650-75

SMA and SMB Connectors



SMA Coaxial Connectors

Fig.	Description	Cable Group RG/U	Body Plating	Cable Attachment Outer / Inner	Digi-Key Part No.	Pricing 1	25	100	Amphenol Part No.
1	Plug, Straight	.085" (2.2mm) RG-405 (M17/133)	Gold	Solder Plugable	ARF1184-ND	6.08	105.75	396.00	901-9723
2	Plug, Straight	.141" (3.6mm) RG-402 (M17/130)	Gold	Solder Plugable	ARF1185-ND	6.08	105.75	377.00	901-9808
3	Plug, Straight	.085" (2.2mm) RG-405 (M17/133)	Gold	Solder Plugable	ARF1186-ND	6.47	112.50	421.00	901-9805-HP
4	Plug, Straight	55, 58, 141, 142, 223	Gold	Clamp Solder	ARF1187-ND*	56.35	1115.00	4134.03	901-103
	Plug, Straight	174, 316	Gold	Clamp Solder	ARF1188-ND*	40.66	842.50	3231.00	901-128-11
5	Plug, Straight	55B, 142B, 223, 400	Gold	Crimp Solder	ARF1189-ND	8.55	157.75	612.00	901-9511-1
	Plug, Straight	55B, 142B, 223, 400	Passivated	Crimp Solder	ARF1190-ND	7.69	134.00	481.00	901-9511-1SF
	Plug, Straight	174, 178, 187, 188, 316	Gold	Crimp Solder	ARF1191-ND	7.16	124.37	433.05	901-9511-3
	Plug, Straight	174, 178, 187, 188, 316	Passivated	Crimp Solder	ARF1192-ND	6.24	108.45	386.31	901-9511-3SF
	Plug, Straight	Dbl. Braid RG-188, 316	Passivated	Crimp Solder	ARF1193-ND	7.91	137.25	515.00	901-9511-12SF
6	Plug, Right Angle	55, 141, 142, 223	Gold	Crimp Solder	ARF1194-ND	12.44	216.25	811.01	901-9531-1
	Plug, Right Angle	SF 142B, Times AA-2423	Passivated	Crimp Solder	ARF1195-ND	9.94	198.75	759.00	901-9531-1SF
	Plug, Right Angle	174, 179, 187, 188, 316	Gold	Crimp Solder	ARF1196-ND	12.50	217.25	815.00	901-9531-3
	Plug, Right Angle	174, 179, 187, 188, 316	Passivated	Crimp Solder	ARF1197-ND	8.15	141.39	504.71	901-9531-3SF
	Plug, Right Angle	Double Braid RG-316	Gold	Crimp Solder	ARF1198-ND	12.96	225.25	844.00	901-9531-12
	Plug, Right Angle	Double Braid RG-316	Passivated	Crimp Solder	ARF1199-ND	8.20	143.08	509.64	901-9531-12SF
7	Jacks	174, 179, 187, 188, 316	Passivated	Crimp Solder	ARF1201-ND	41.62	769.00	2979.01	901-9602-3SF
8	Jacks, Bulkhead	55, 142, 223, 400	Passivated	Crimp Solder	ARF1202-ND	23.54	499.50	1532.01	901-9610-1SF
	Jacks, Bulkhead	174, 179, 187, 188, 316	Gold	Crimp Solder	ARF1203-ND	17.17	298.75	1118.00	901-9610-3
	Jacks, Bulkhead	174, 179, 187, 188, 316	Passivated	Crimp Solder	ARF1204-ND	15.51	269.50	960.00	901-9610-3SF
9	Jacks, Printed Circuit Board, Panel	—	Gold	— —	ARF1205-ND	8.43	146.95	510.74	901-144
10	Jacks, Printed Circuit Board, Angle	—	Gold	— —	ARF1206-ND	10.38	180.19	642.88	901-143
11	Adapters, Bulkhead Jack-Jack, Front or Rear Mt.	—	Gold	— —	ARF1207-ND	13.23	229.81	820.15	901-9209A
11	Adapters, Bulkhead Jack-Jack, Front or Rear Mt.	—	Passivated	— —	ARF1208-ND	12.03	208.97	744.63	901-9209-ASF

* Safety wire holes.

SMA Brass Coaxial Connectors

Fig.	Description	Cable Group RG/U	Body Plating	Cable Attachment Outer / Inner	Digi-Key Part No.	Pricing 1	25	100	Amphenol Part No.
12	Plug, Straight	.141" (3.6mm) S/R	Gold	Solder Solder	ARFX1209-ND	3.20	55.60	197.99	901-9868-RFX
	Plug, Straight	.085" (2.16mm) S/R	Gold	Solder Solder	ARF1210-ND	2.50	43.51	155.31	901-9867-RFX
13	Plug, Straight	58	Gold	Crimp Solder	ARF1211-ND	4.82	83.79	298.40	901-9870
	Plug, Straight	141, 223	Gold	Crimp Solder	ARF1212-ND	5.07	88.10	314.74	901-9871
	Plug, Straight	58	Nickel	Crimp Solder	ARFX1213-ND	2.78	48.23	172.19	901-9876-RFX
14	Plug, Straight	174, 188, 316	Nickel	Crimp Solder	ARFX1214-ND	2.51	43.62	155.35	901-9877-RFX
	Plug, Straight	174, 188, 316	Gold	Crimp Solder	ARF1215-ND	4.76	82.67	294.13	901-9916
15	Plug, Right Angle	174, 188, 316	Gold	Crimp Solder	ARF1216-ND	7.99	139.12	496.64	901-9872
	Plug, Right Angle	58	Gold	Crimp Solder	ARF1217-ND	8.04	139.94	498.90	901-9873
	Plug, Right Angle	141, 223	Gold	Crimp Solder	ARF1218-ND	8.89	154.64	537.20	901-9874
	Plug, Right Angle	58	Nickel	Crimp Solder	ARFX1219-ND	5.10	88.50	332.00	901-9880-RFX
	Plug, Right Angle	174, 188, 316	Nickel	Crimp Solder	ARFX1220-ND	4.51	78.45	280.72	901-9881-RFX
16	Bulkhead Jack	174, 188, 316	Gold	Crimp Solder	ARF1221-ND	7.36	128.00	455.22	901-9875
	Bulkhead Jack	174, 188, 316	Nickel	Crimp Solder	ARFX1222-ND	6.77	117.75	441.00	901-9879-RFX
17	Panel Receptacle, Jack	—	Nickel	— —	ARFX1223-ND	4.58	79.43	283.71	901-9893-RFX
18	Panel Receptacle, Jack	—	Nickel	— —	ARFX1224-ND	6.27	109.25	390.00	901-9891-RFX
19	Panel Receptacle, Jack	—	Nickel	— —	ARFX1225-ND	4.65	80.82	288.14	901-9892-RFX
20	Panel Receptacle, Jack	—	Nickel	— —	ARFX1226-ND	6.68	116.05	413.17	901-9887-RFX
21	Bulkhead Recep. Front Mt.	—	Nickel	— —	ARFX1227-ND	4.05	70.63	252.03	901-9889-RFX
22	Bulkhead Recep. Rear Mt.	—	Nickel	— —	ARFX1228-ND	3.73	64.95	231.75	901-9890-RFX
23	Plug Straight PCB Recep.	—	Gold	— —	ARFX1229-ND	3.98	69.25	259.00	901-9895-RFX
24	Plug Rt. Angle PCB Recep.	—	Gold	— —	ARFX1230-ND	6.64	115.61	411.37	901-9894-RFX
25	Receptacle,Straight PCB	—	Gold	— —	ARFX1231-ND	2.99	52.05	181.81	901-144-8RFX
26	Recep., Right Angle PCB	—	Gold	— —	ARFX1232-ND	4.99	86.73	310.13	901-143-6RFX

SMB Coaxial Connectors

Fig.	Description	Cable Group RG/U	Plating	Cable Attachment Outer / Inner	Digi-Key Part No.	Pricing 1	25	100	Amphenol Part No.
27	Plug, Straight	RG-174, 179, 187,188, 316	Nickel	Crimp Solder	ARF1233-ND	5.46	106.51	386.15	903-370P-51S
28	Plug, Right Angle	RG-174, 179, 187,188, 316	Nickel	Crimp Solder	ARF1235-ND	4.22	77.25	296.00	903-367P-51A2
	Plug, Right Angle	RG-174, 179, 187,188, 316	Gold	Crimp Solder	ARF1245-ND	10.10	178.89	618.00	903-289P-51A
	Plug, Right Angle	RG-178, 196	Gold	Crimp Solder	ARF1236-ND	5.31	119.50	446.00	903-291P-51A1
	Plug, Right Angle	RG-178, 196	Nickel	Crimp Solder	ARF1237-ND	4.13	83.50	311.00	903-368P-51A1
29	Bulkhead Jack	RG-174,188A, 316	Gold	Crimp Solder	ARF1238-ND	5.85	101.74	362.16	903-505J-51S
	Bulkhead Jack	Dbl. Shield 316	Gold	Crimp Solder	ARF1239-ND	6.53	113.50	424.00	903-505J-51S1

Fig.	Description	Plating	Digi-Key Part No.	Pricing 1	25	100	Amphenol Part No.
30	Bulkhead, Recept. Front Mount Solder Cup Terminal	Gold	ARF1240-ND	5.03	87.25	312.40	903-408J-51R
31	Bulkhead, Recept. Front Mount Blunt Post Terminal	Gold	ARF1241-ND	4.13	72.01	256.71	903-402J-51R
32	Bulkhead Jack, Recept. Recessed, Solder Cup Term.	Gold	ARF1242-ND	32.50	524.25	2039.01	903-407J-51R
33	Jack Right Angle	Tin Lead (Body & Legs) Gold (Interface & Term.)	ARF1243-ND	6.57	114.25	417.00	903-373J-51A
34	Jack Straight	Gold	ARF1244-ND	3.41	59.47	212.04	903-499J-51P2

RF Connectors MCX Type

FEATURES: • 30% Smaller than SMB • Rugged snap-on mating design • Captivated contact **ELECTRICAL RATINGS:** • **Impedance:** 50Ω • **Frequency Range:** 0-6GHz • **Working Voltage at sea level:** 335 VRMS; 250 VRMS (J531-ND and J532-ND). **MECHANICAL RATINGS:** • **Engage/Disengage Force:** 5.6 pounds maximum engagement/8 pounds typical disengagement • **Contact Retention Force:** 2.3 pounds minimum axial force • **Durability:** 500 cycles minimum

Fig. 1 – Right Angle Cable Plug

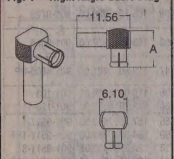


Fig. 2 – Straight Cable Plug

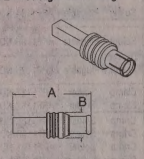


Fig. 3 – Straight Crimp Type Bulkhead Jack

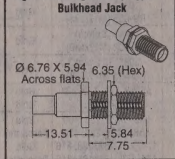


Fig. 4 – Straight Plug Receptacle

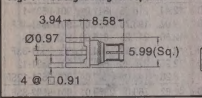


Fig. 5 – Straight PC Mount Jack

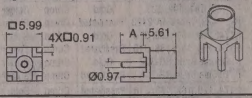


Fig. 6 – Right Angle PC Mnt. Jack

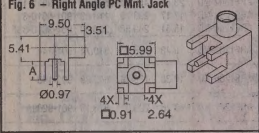


Fig. 7 – Front Mount Bulkhead Jack Receptacle

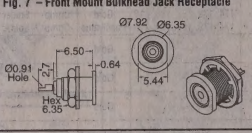


Fig. 8 – End Launch Jack

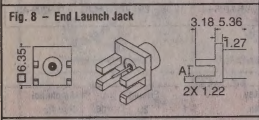


Fig. 9 – SMT Straight Jack

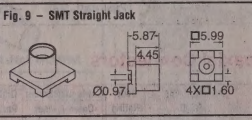


Fig. 10 – SMT Right Angle Jack

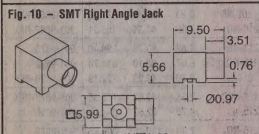


Fig. 11 – Straight Jack Receptacle - 2.54mm

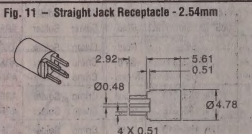


Fig.	Cable Type	Plating	Dimensions (mm) A	Dimensions (mm) B	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 100	Johnson Part No.
					50 Ohm					
1	RG 178	Gold	11.58	—	J531-ND	5.43	4.76	4.10	3.51	133-3402-101
	RG 316	Gold	11.58	—	J535-ND	5.14	4.51	3.88	3.33	133-3403-101
	RG 178	Nickel	11.58	—	J532-ND	5.24	4.60	3.95	3.39	133-3402-106
	RG 316	Nickel	11.58	—	J536-ND	4.95	4.35	3.74	3.21	133-3403-106
	RG 188, RG 316 .086 Semi-rigid	Nickel	7.90	—	J720-ND	4.95	4.35	3.74	3.21	133-3404-106
		Gold	7.90	—	J721-ND	5.14	4.51	3.88	3.33	133-3693-101
2	RG 316	Gold	15.19	4.98	J533-ND	4.29	3.76	3.24	2.77	133-3403-001
	RG 316	Nickel	15.19	4.98	J534-ND	4.00	3.51	3.02	2.59	133-3403-006
4	—	Gold	—	—	J612-ND	7.06	6.20	5.33	4.57	133-3801-201
5	—	Gold	3.94	—	J537-ND	3.90	3.43	2.95	2.53	133-3701-201
	—	Nickel	3.94	—	J538-ND	3.87	3.40	2.92	2.50	133-3701-206
	—	Gold	2.79	—	J539-ND	4.06	3.57	3.07	2.63	133-3701-211
	—	Nickel	2.79	—	J540-ND	3.87	3.40	2.92	2.50	133-3701-216
6	—	Gold	3.94	—	J541-ND	8.91	7.82	6.72	5.76	133-3701-301
	—	Nickel	3.94	—	J542-ND	8.72	7.65	6.58	5.64	133-3701-306
	—	Gold	2.79	—	J543-ND	9.13	8.01	6.88	5.90	133-3701-311
	—	Nickel	2.79	—	J544-ND	8.91	7.82	6.72	5.76	133-3701-316
7	—	Gold	—	—	J545-ND	7.05	6.19	5.32	4.56	133-3701-401
	—	Nickel	—	—	J546-ND	6.82	5.98	5.15	4.41	133-3701-406
8	—	Gold	1.73	—	J547-ND	5.12	4.50	3.87	3.31	133-3701-801
9	—	Gold	—	—	J548-ND	5.83	5.12	4.40	3.77	133-3711-201
10	—	Gold	—	—	J549-ND	9.53	8.36	7.19	6.16	133-3711-301
11	—	Gold	—	—	J611-ND	4.63	4.06	3.49	3.00	133-3701-231
					75 Ohm					
1	RG-179	Gold	7.98	—	J643-ND	5.93	5.21	4.48	3.84	133-8433-101
	RG-179DS	Gold	7.98	—	J644-ND	5.93	5.21	4.48	3.84	133-8434-101
2	RG-179	Gold	20.47	5.94	J645-ND	9.90	8.69	7.47	6.40	133-8433-001
3	RG-179	Gold	—	—	J647-ND	11.92	10.46	8.99	7.71	133-8333-401
5	—	Gold	3.80	—	J649-ND	8.41	7.38	6.35	5.44	133-8701-201
	—	Gold	2.70	—	J650-ND	5.32	4.67	4.01	3.44	133-8701-211
6	—	Gold	3.80	—	J651-ND	9.43	8.28	7.12	6.10	133-8701-301
	—	Gold	2.70	—	J652-ND	9.43	8.28	7.12	6.10	133-8701-311
8	—	Gold	1.73	—	J653-ND	5.47	4.80	4.13	3.54	133-8701-801
9	—	Gold	—	—	J654-ND	6.04	5.30	4.56	3.91	133-8711-201
					Non-Magnetic MCX Connectors					
1	RG-316/u, 188, 174	Gold	7.90	11.56	J680-ND	9.06	7.95	6.84	5.86	133-9403-101
	RG-316DS, 188DS	Gold	7.90	11.56	J681-ND	9.67	8.48	7.29	6.25	133-9404-101
2	RG-316/u, 188, 174	Gold	15.19	4.98	J678-ND	11.54	10.12	8.70	7.46	133-9403-001
5	—	Gold	3.94	—	J682-ND	6.21	5.45	4.68	4.02	133-9701-201
	—	Gold	2.79	—	J683-ND	5.91	5.19	4.46	3.82	133-9701-211
6	—	Gold	2.79	—	J685-ND	10.58	9.28	7.98	6.84	133-9701-311
8	—	Gold	1.57	—	J686-ND	12.27	10.76	9.25	7.93	133-9701-801
Prototype Crimp Tool					J574-ND		379.46/1			141-0000-908
Hand Crimp Tool (frame only)					J572-ND		106.63/1			140-0000-952
Die Set (RG178, 316)					J573-ND		129.48/1			140-0000-951

Adapters

Fig. 1

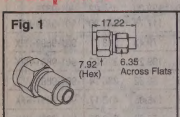


Fig. 2

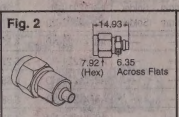


Fig. 3

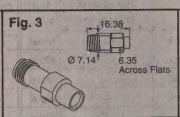


Fig. 4

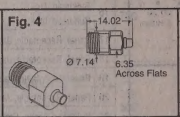


Fig. 5

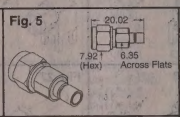


Fig. 6

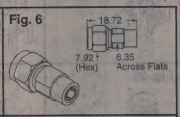


Fig. 7

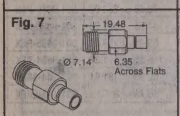


Fig. 8

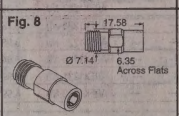


Fig. 9

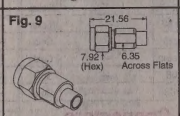


Fig. 10

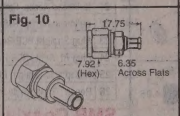
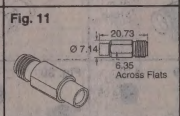


Fig. 11



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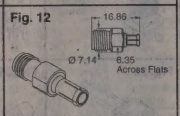
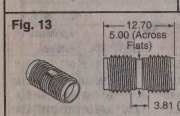


Fig. 13



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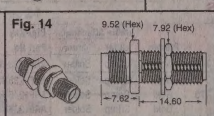

Fig. 15

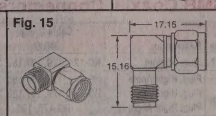

Fig. 16

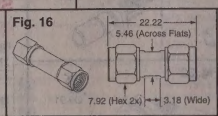

Fig. 17

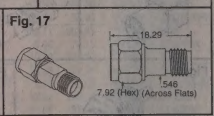

Fig.	Description	VSWR (GHz)	Frequency Range (GHz)	Digi-Key Part No.	Price Each 1	Price Each 10	Johnson Part No.
1	SMA Plug to MMCX Jack	1.05+.05f	0-6	J617-ND	38.08	31.61	134-1019-151
2	SMA Plug to MMCX Plug	1.05+.05f	0-6	J618-ND	41.25	34.25	134-1019-161
3	SMA Jack to MMCX Jack	1.05+.05f	0-6	J619-ND	34.91	28.98	134-1019-171
4	SMA Jack to MMCX Plug	1.05+.05f	0-6	J620-ND	38.08	31.61	134-1019-181
5	SMA Plug to SMB Jack	1.05+.01f	0-4	J621-ND	34.91	28.98	134-1012-011
6	SMA Plug to SMB Plug	1.05+.01f	0-4	J622-ND	38.08	31.61	134-1012-021
7	SMA Jack to SMB Jack	1.05+.01f	0-4	J623-ND	34.91	28.98	134-1012-031
8	SMA Jack to SMB Plug	1.05+.01f	0-4	J624-ND	34.91	28.98	134-1012-041
9	SMA Plug to MCX Jack	1.03+.03f	0-6	J625-ND	34.91	28.98	134-1018-001

Fig.	Description	VSWR (GHz)	Frequency Range (GHz)	Digi-Key Part No.	Price Each 1	Price Each 10	Johnson Part No.
10	SMA Plug to MCX Plug	1.03+.03f	0-6	J626-ND	38.08	31.61	134-1018-011
11	SMA Jack to MCX Jack	1.03+.03f	0-6	J627-ND	34.91	28.98	134-1018-021
12	SMA Jack to MCX Plug	1.03+.03f	0-6	J628-ND	34.91	28.98	134-1018-031
13	SMA Jack to SMA Jack	1.05+.005f	0-18	J655-ND	13.42	11.77	142-0901-801
14	SMA Jack to SMA Bulkhead Jack	1.05+.01f	0-18	J659-ND	19.16	16.80	142-0901-401
15	SMA Jack to SMA Plug / Rt. Angle	1.035+.02f	0-18	J632-ND	17.36	15.23	142-0901-941
16	SMA Plug to SMA Plug	1.05+.01f	0-18	J633-ND	15.47	13.57	142-0901-811
17	SMA Plug to SMA Jack	1.05+.005f	0-18	J656-ND	13.71	12.03	142-0901-821

Note: All Adapters are Gold plated.

Fig. 1
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Fig. 29
Fig. 30 ***NEW!***

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Fig. 43
Fig. 44
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Fig. 46
Fig. 47
Fig. 48
Fig. 49 ***NEW!***

Fig.	Type (Description)	Cable Group	Plating	Digi-Key Part No.	Price Each 1	10	50	Johnson Part No.
				SMA Type				
1	Crimp	2*	Gold	J523-ND◆	9.39	8.24	7.08	142-0303-411
			Nickel	J524-ND◆	9.04	7.93	6.82	142-0303-416
2	Crimp	2*	Gold	J525-ND	5.66	4.96	4.27	142-0403-011
			Nickel	J526-ND	5.20	4.57	3.93	142-0403-016
3	Solder	RG-402	Gold	J485-ND◆	2.20	1.93	1.66	142-0694-011
		RG-402	Nickel	J486-ND◆	2.09	1.83	1.58	142-0694-016
		RG-405	Gold	J487-ND◆	4.59	4.03	3.47	142-0693-001
		RG-405	Nickel	J488-ND◆	4.12	3.62	3.11	142-0693-006
		.086 Semi-Rigid	Nickel	J725-ND◆	6.61	5.80	4.99	142-0693-066
		.141 Semi-Rigid	Nickel	J726-ND◆	6.61	5.80	4.99	142-0694-066
4	Crimp	RG-178/U, 196	Gold	J605-ND◆	7.27	6.38	5.49	142-0402-011
		4‡		J637-ND◆	7.89	6.92	5.95	142-0439-001
		5‡‡		J638-ND◆	7.89	6.92	5.95	142-0435-001
		9ΔΔΔ		J813-ND◆ ***NEW!***	7.13	6.25	5.38	142-0408-011
5	Clamp	2*	Gold	J474-ND◆	12.82	11.24	9.67	142-0203-011
		2*	Nickel	J475-ND◆	11.71	10.27	8.83	142-0203-016
		3**	Gold	J480-ND◆	20.54	18.02	15.49	142-0207-011
		3**	Nickel	J481-ND◆	19.39	17.01	14.62	142-0207-016
6	Clamp	2*	Nickel	J477-ND◆	9.53	8.36	7.19	142-0203-106
		3**		J484-ND◆	10.70	9.39	8.07	142-0207-106
7	Crimp	2*	Gold	J510-ND	8.26	7.25	6.23	142-0403-101
		4‡		J639-ND	11.09	9.73	8.36	142-0439-101
		5‡‡		J640-ND	12.32	10.81	9.29	142-0435-101
		8ΔΔ		J713-ND	8.37	7.35	6.32	142-0404-101
8	Solder	.086 Semi-Rigid	Gold	J606-ND	10.37	9.10	7.82	142-0693-101
		.141 Semi-Rigid		J607-ND	10.17	8.92	7.67	142-0694-101
9	Clamp	2*	Gold	J478-ND◆	14.05	12.32	10.59	142-0103-401
10	Panel Mt.	—	Gold	J490-ND◆	6.40	5.61	4.83	142-0701-401
11	Panel Mt.	—	Gold	J489-ND◆	7.89	6.92	5.95	142-0701-411
12	Flange Mt.	—	Gold	J492-ND◆	6.38	5.60	4.81	142-0701-621
13	Flange Mt.	—	Gold	J493-ND◆	6.38	5.60	4.81	142-0701-631
14	PC Mt.	—	Gold	J494-ND◆	8.02	7.04	6.05	142-0701-211
		—	Nickel	J495-ND◆	7.54	6.62	5.69	142-0701-216
15	PC Mt.	—	Gold	J500-ND◆	5.52	4.85	4.17	142-0701-201
		—	Nickel	J840-ND◆ ***NEW!***	5.22	4.58	3.94	142-0701-206
16	PC Mt.	—	Gold	J608-ND◆	5.52	4.85	4.17	142-0701-231
17	PC Mt.	—	Gold	J496-ND	13.41	11.76	10.11	142-0701-321
		—	Nickel	J497-ND	12.59	11.04	9.49	142-0701-326
18	PC Mt.	—	Gold	J569-ND	12.80	11.23	9.66	142-0701-501
		—	Nickel	J714-ND	12.23	10.73	9.22	142-0701-506
		—	Gold	J715-ND	13.14	11.52	9.91	142-0701-551
19	PC Mt.	—	Gold	J501-ND◆	8.86	7.77	6.68	142-0701-301
20	.062" PC Mt.	—	Gold	J502-ND◆	6.03	5.29	4.55	142-0701-801
	.062" PC Mt.	—	Nickel	J716-ND◆	5.72	5.02	4.32	142-0701-806
	.062" PC Mt.	—	Gold	J629-ND◆	7.20	6.32	5.43	142-0711-821
	.031" PC Mt.	—	Gold	J657-ND◆	6.63	5.82	5.00	142-0701-881
	.062" PC Mt.	—	Gold	J658-ND◆	7.03	6.17	5.30	142-0701-851
	.042" PC Mt.	—	Gold	J630-ND◆	8.42	7.39	6.36	142-0701-841
21	PC Mt.	—	Gold	J610-ND◆	8.65	7.59	6.52	142-0701-871
22	PC Mt.	—	Gold	J631-ND◆	6.62	5.81	5.00	142-0721-881
23	Crimp	4‡	Gold	J641-ND◆	12.20	10.70	9.20	142-0339-401
23	Solder	.086 Semi-Rigid	Gold	J809-ND◆	14.08	12.35	10.62	142-0593-421
		.141 Semi-Rigid		J810-ND◆	14.08	12.35	10.62	142-0594-421
		.086 Semi-Rigid		J811-ND◆	17.49	15.34	13.19	142-0593-431
		.141 Semi-Rigid		J812-ND◆	17.49	15.34	13.19	142-0594-431
24	Solder	.086 Semi-Rigid	Nickel	J722-ND◆	4.94	4.34	3.73	142-0593-006
		.141 Semi-Rigid	Gold	J723-ND◆	7.41	6.51	5.59	142-0594-001
		.141 Semi-Rigid	Nickel	J724-ND◆	7.14	6.27	5.39	142-0594-006
		.086 Semi-Rigid	Gold	J727-ND◆	5.49	4.82	4.15	142-0593-001
25	50Ω Terminator	—	Gold	J634-ND◆	37.07	32.51	27.95	142-0801-861
26	Quick Connect	7Δ	Gold	J706-ND◆	26.51	23.25	19.99	142-1403-001
		8ΔΔ		J707-ND◆	26.51	23.25	19.99	142-1404-001
		3**		J708-ND◆	26.51	23.25	19.99	142-1407-001
		9ΔΔΔ		J709-ND◆	26.51	23.25	19.99	142-1408-001
27	Adapter	—	Gold	J710-ND◆	39.76	34.87	29.98	142-1901-821
28	Slide-On	RG-405	Gold	J711-ND	7.04	6.17	5.31	142-0693-061
		RG-402		J712-ND	7.04	6.17	5.31	142-0694-061
	Solder	.141 Semi-Rigid	Gold	J814-ND◆ ***NEW!***	1.96	1.72	1.48	142-0694-021
29	SMT	—	Gold	J717-ND◆	10.53	9.24	7.94	142-0711-301
30	SMT	—	Gold	J819-ND◆ ***NEW!***	5.38	4.72	4.06	142-0711-201
31	Edge Mt.	—	Gold	J799-ND◆	9.60	8.42	7.24	142-0761-841
				J805-ND◆	9.60	8.42	7.24	142-0761-861
32	Edge Mt.	—	Gold	J800-ND◆	9.60	8.42	7.24	142-0761-851
				J820-ND◆ ***NEW!***	7.34	6.44	5.54	142-0711-841
				J806-ND◆	9.60	8.42	7.24	142-0761-871
33	Edge Mt.	—	Gold	J802-ND◆	9.60	8.42	7.24	142-0761-891
				J808-ND◆	9.60	8.42	7.24	142-0771-831
34	PC Mt.	—	Gold	J797-ND◆	9.60	8.42	7.24	142-0761-801
				J803-ND◆	9.60	8.42	7.24	142-0761-821
35	PC Mt.	—	Gold	J801-ND◆	9.60	8.42	7.24	142-0761-881
				J807-ND◆	9.60	8.42	7.24	142-0771-821
36	PC Mt.	—	Gold	J804-ND◆	9.60	8.42	7.24	142-0761-831
37	PC Mt.	—	Gold	J798-ND◆	9.60	8.42	7.24	142-0761-811
				SMB Type				
38	50Ω Terminator	—	Gold	J635-ND	16.68	14.63	12.58	131-3801-811
	75Ω Terminator			J636-ND	15.42	13.53	11.63	131-3801-821
39	Crimp	2*	Nickel	J464-ND	5.95	5.22	4.49	131-1403-016
40	Crimp	2*	Gold	J465-ND	5.90	5.17	4.45	131-1403-101
		2*	Nickel	J466-ND	4.95	4.35	3.74	131-1403-116
		6Ω	Nickel	J815-ND◆ ***NEW!***	5.40	4.74	4.07	131-1404-116
41	PC Mt.	—	Gold	J467-ND†◆	3.21	2.82	2.42	131-1701-201
		—	Nickel	J468-ND†◆	3.01	2.65	2.28	131-1701-206
		—	Nickel	J469-ND†◆	3.01	2.65	2.28	131-1701-216
42	PC Mt.	—	Gold	J613-ND†◆	2.45	2.16	1.85	131-3701-261
		—	Nickel	J614-ND†◆	2.34	2.05	1.77	131-3701-266
		—	Gold	J615-ND†◆	2.45	2.16	1.85	131-3701-271
		—	Nickel	J616-ND†◆	2.34	2.05	1.77	131-3701-276
43	PC Mt.	—	Gold	J472-ND◆	5.92	5.20	4.47	131-3701-301
				J818-ND◆ ***NEW!***	7.76	6.81	5.86	131-8701-301
44	PC Mt.	—	Gold	J470-ND◆	5.61	4.92	4.23	131-1701-371
		—	Nickel	J471-ND◆	5.40	4.74	4.07	131-1701-376
45	Panel Mt.	—	Gold	J520-ND◆	8.21	7.20	6.19	131-3701-621
46	PC Mt.	—	Gold	J522-ND	7.61	6.67	5.74	131-3701-341
				J719-ND	8.87	7.78	6.69	131-3701-501

◆ *RoHS Compliant*

(Continued)

RF Connectors SMA/SMB Type *(Cont.)*

Fig.	Type (Descripton)	Cable Group	Plating	Digi-Key Part No.	Price Each 1	10	50	Johnson Part No.
47	PC Mt.	—	Gold	J718-ND◆	2.60	2.28	1.96	131-3701-201
			Nickel	J817-ND◆ ***NEW!***	2.67	2.34	2.01	131-8701-206
49	SMT	—	Gold	J816-ND◆ ***NEW!***	4.23	3.72	3.20	131-3711-201
			Non-Magnetic SMA Connectors					
3	Crimp	2*	Gold	J660-ND◆	14.85	13.02	11.20	142-9403-011
		60		J661-ND◆	28.35	24.87	21.38	142-9404-011
		3**		J664-ND◆	16.08	14.11	12.13	142-9407-001
8	Crimp	2*	Gold	J662-ND	22.27	19.53	16.79	142-9403-101
		60		J663-ND	21.21	18.72	16.00	142-9404-101
		3**		J665-ND	22.89	20.08	17.26	142-9407-101
16	PC Mt.	—	Gold	J666-ND◆	10.71	9.40	8.08	142-9701-201
20	PC Mt.	—	Gold	J669-ND◆	12.74	11.18	9.61	142-9701-801
				J670-ND◆	12.74	11.18	9.61	142-9701-811
			Non-Magnetic SMB Connectors					
39	Crimp	2*	Gold	J671-ND	17.88	15.69	13.48	131-9403-001
		60		J672-ND	16.33	14.33	12.32	131-9404-001
41	PC Mt.	—	Gold	J675-ND◆	10.64	9.34	8.03	131-9701-201
				J676-ND◆	10.64	9.34	8.03	131-9701-211
43	PC Mt.	—	Gold	J677-ND◆	18.91	16.59	14.26	131-9701-301

Fig.	Type (Description)	Cable Group	Plating	Digi-Key Part No.	Price Each 1	10	50	Johnson Part No.
48	Crimp	2*	Gold	J673-ND	25.14	22.05	18.95	131-9403-101
		60		J674-ND	22.95	20.13	17.31	131-9404-101
				Tools				
	Crimp Tool Frame			J572-ND◆	106.63	—	—	140-0000-952
	Die Set for SMA, SMB Type (RG178, 316, 316DS, 58)			J573-ND◆	129.48	—	—	140-0000-951
	Semi-Rigid Cable Vice Tool			J702-ND◆	557.92	—	—	140-0000-962
	Cable Clamp Inserts, .086 Semi-Rigid Tool			J703-ND◆	96.30	—	—	140-0000-964
	Cable Clamp Inserts, .141 Semi-Rigid Tool			J704-ND◆	96.30	—	—	140-0000-965
				Kit				
	RF Adapter Kit, 50Ω, 70 pcs.			J687-ND	299.42	—	—	142-0000-005

* **Group 2 Cables:** RG-161/U, RG-174/U, RG-179/U, RG-187/U, RG-188/U, RG-316/U
** **Group 3 Cables:** RG-58/U, RG-141/U, RG-303/U
‡ **Group 4 Cables:** LMR-200, HPF-200, RF-200
‡‡ **Group 5 Cables:** LMR-240, HPF-240, RF-240
◊ **Group 6 Cables:** RG-179DS, RG-187DS, RG-188DS, RG-316DS
Δ **Group 7 Cables:** RG-161/U, RG-174/U, RG-188/U, RG-316/U
ΔΔ **Group 8 Cables:** RG-188DS, RG-316DS
ΔΔΔ **Group 9 Cables:** RG-55/U, RG-142/U, RG-223/U, RG-400/U
† **J467, J468, J613 and J614** Leg Length: .155"; **J469, J615 and J616** Leg Length: .095"
◆ ***RoHS Compliant***

SMK (2.92mm) Connectors

SMK Connectors provide an excellent solution for applications requiring high frequency transmission. Similar to the SMA interface, a smaller internal body diameter (2.92mm) and air dielectric provide a higher cutoff frequency and other key advantages: • Superior electrical performance to 40GHz • Female contacts have a three-slot construction, which enhances connectivity • The Field Replacement Jacks with a high quality hermetic seal feed thru for use in sealed circuit modules • The SMK plug interface employs more precise dimensions than an SMA and uses a shorter snub nose male pin such that the connector bodies align before the contacts engage

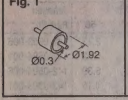
Fig. 1


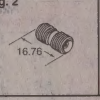
Fig. 2


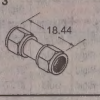
Fig. 3


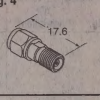
Fig. 4


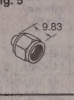
Fig. 5


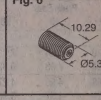
Fig. 6


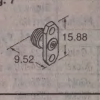
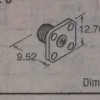
Fig. 7


Fig. 8


Dim. in mm

Fig.	Descripton	Plating	Digi-Key Part No.	Price Each 1	10	50	Johnson Part No.
		Adapter					
1	Hermetic Seal Feedthru	—	J688-ND	15.86	12.47	10.43	142-1000-033
2	Jack to Jack In-series Adapter	Gold	J694-ND	81.90	70.88	63.00	145-0901-801
3	Plug to Plug In-series Adapter	Gold	J695-ND	93.60	81.00	72.00	145-0901-811
4	Plug to Jack In-series Adapter	Gold	J696-ND	85.80	74.25	66.00	145-0901-821
		Plug					
5	Straight Solder Type w/Contact, Slide-on Nut	Passivated	J689-ND	12.99	10.21	8.54	145-0693-002
	Straight Solder Type w/Contact, Slide-on Nut	Passivated	J690-ND	12.62	9.92	8.30	145-0694-002
		Receptacle					
6	Thread Mount Field Replaceable	Passivated	J691-ND	13.97	10.98	9.18	146-0701-002
7	2-Hole Flange Mount Jack	Passivated	J692-ND	21.56	16.94	14.17	145-0701-602
8	4-Hole Flange Mount Jack	Passivated	J693-ND	20.09	15.79	13.21	145-0701-612

Description	Digi-Key Part No.	Price Each	Johnson Part No.
Tools			
Bead Assembly Tool	J697-ND	27.90	140-0000-957
Body Soldering Tool for .086 Semi-Rigid	J698-ND	11.48	140-0000-958
Body Soldering Tool for .141 Semi-Rigid	J699-ND	11.48	140-0000-959
Contact Soldering Tool for .086 Semi-Rigid	J700-ND	11.62	140-0000-960
Contact Soldering Tool for .141 Semi-Rigid	J701-ND	11.62	140-0000-961
Cable Vise Tool	J702-ND	557.92	140-0000-962
Cable Clamp Insert Tool for .086 Semi-Rigid	J703-ND	96.30	140-0000-964
Cable Clamp Insert Tool for .141 Semi-Rigid	J704-ND	96.30	140-0000-965
Vise Stop Tool	J705-ND	10.85	140-0000-968

RF Connectors MMCX Type

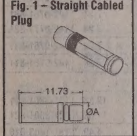
Fig. 1 – Straight Cabled Plug


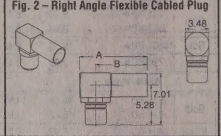
Fig. 2 – Right Angle Flexible Cabled Plug


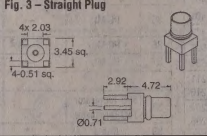
Fig. 3 – Straight Plug


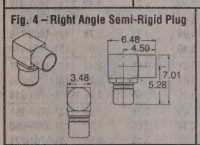
Fig. 4 – Right Angle Semi-Rigid Plug


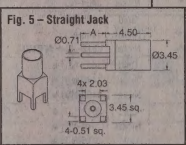
Fig. 5 – Straight Jack


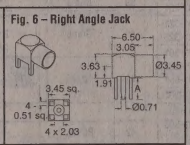
Fig. 6 – Right Angle Jack


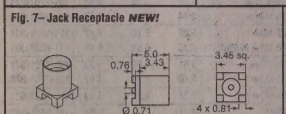
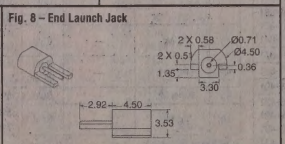
Fig. 7– Jack Receptacle *NEW!*


Fig. 8 – End Launch Jack


ELECTRICAL RATINGS: • **Impedance:** 50Ω • **Frequency Range:** 0-6 GHz • **Working Voltage:** 170 Vrms at sea level • **Insulation Resistance:** 1000MΩ minimum

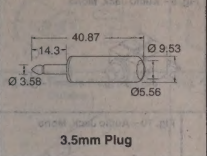
MECHANICAL RATINGS: • **Engagement/Disengagement Force:** 8.0 pounds maximum engagement; 1.4 pounds minimum disengagement • **Contact Retention Force:** 2.0 pounds minimum axial force • **Cable Retention:** 30 pounds • **Durability:** 500 cycles minimum

ENVIRONMENTAL RATINGS • **Operating Temperature:** –55°C ~ 155°C

Fig.	Cable Type/Description	Dim. (mm) A	B	Digi-Key Part No.	Price Each 1	10	50	Johnson Part No.
1	RG 178/U, 196	3.48	—	J589-ND	5.11	4.48	3.86	135-3402-001
	RG 316/U, 188, 161, 174	4.39	—	J590-ND	7.62	6.68	5.75	135-3403-001
	RG 316 DS, 188 DS, 187 DS	4.39	—	J591-ND	7.80	6.85	5.89	135-3404-001
	.047" Diameter Flexible, Huber K01152-07, Axon P512479A	3.48	—	J592-ND	5.11	4.48	3.86	135-3436-001
2	RG 178/U, 196	8.99	7.01	J593-ND	8.97	7.87	6.77	135-3402-101
	RG 316/U, 188, 187, 179, 161, 174	10.46	8.48	J594-ND	8.88	7.79	6.70	135-3403-101
	RG 316 DS, RG 188 DS	10.46	8.48	J595-ND	9.07	7.96	6.84	135-3404-101
	.047" Diameter Flexible, Huber K01152-07, Axon P512479A	8.99	7.01	J596-ND	8.97	7.87	6.77	135-3436-101
3	—	—	—	J601-ND	10.13	8.89	7.64	135-3801-201
4	—	—	—	J602-ND	8.97	7.87	6.77	135-3693-101
5	Straight - Gold PCB	2.92	—	J597-ND	5.16	4.53	3.90	135-3701-201
	Straight - Gold PCB	1.73	—	J598-ND	5.32	4.67	4.02	135-3701-211
6	Right Angle - Gold PCB	2.92	—	J599-ND	10.94	9.60	8.25	135-3701-301
	Right Angle - Gold PCB	1.73	—	J600-ND	10.47	9.19	7.90	135-3701-311
7	Jack Receptacle - Gold SMD	—	—	J821-ND ***NEW!***	7.02	6.16	5.30	135-3711-201
8	End Launch - PCB	—	—	J603-ND	6.38	5.60	4.81	135-3711-801
	Hand Crimp Tool (frame only)			J572-ND		106.63/1		140-0000-952
	Crimp Tool Die Set			J604-ND		221.90/1		140-0000-953

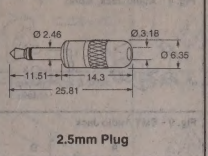
More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Fig. 1



3.5mm Plug

Fig. 2



2.5mm Plug

Fig. 3

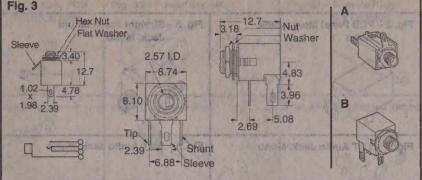
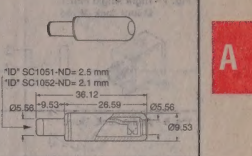


Fig. 4



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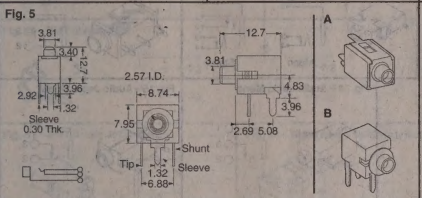

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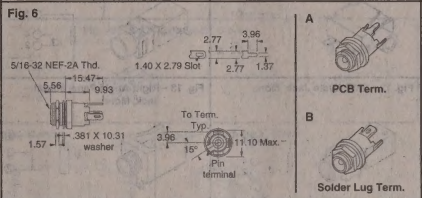

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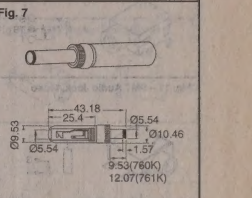

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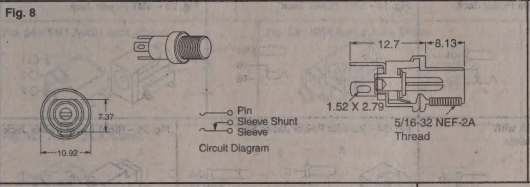
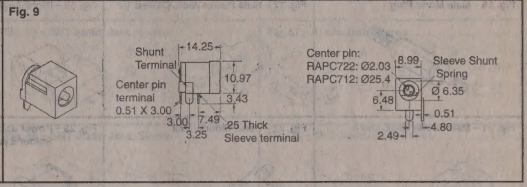


Fig. 9



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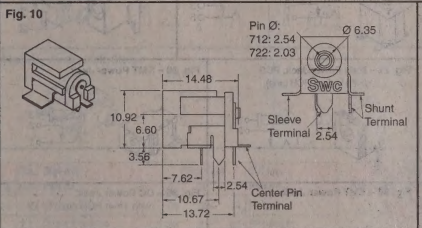
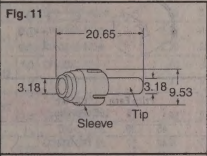


Fig. 11



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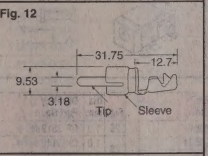
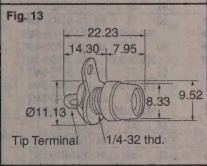


Fig. 13



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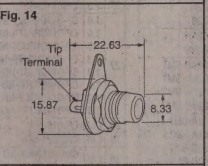

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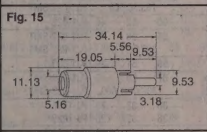

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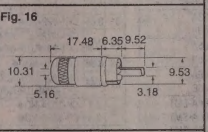

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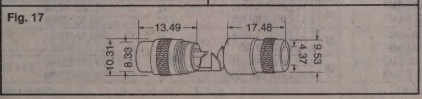


Fig.	Mates With	Description	Digi-Key Part No.	Price Each 1	10	25	Switchcraft Part No.
		"Tini Plug" Miniature Phone Plugs					
1	41	.141" (3.58mm) Black with Screw Terminals	SC1053-ND	3.83	2.88	2.64	740
1	41	.141" (3.58mm) Black with Solder Lug & Cable Clamp	SC1055-ND	3.68	2.76	2.53	750
1	41	.141" (3.58mm) Shielded with Solder Lug & Cable Clamp	SC1057-ND	5.01	3.76	3.45	780
		"Micro-plug" Subminiature Phone Plugs					
2	Fig. 3 and Fig. 5	.097" (2.46mm) 2 Cond. Black with Solder Lugs	SC1058-ND	3.79	2.85	2.61	850
2	Fig. 3 and Fig. 5	.097" (2.46mm) 2 Cond. Red with Solder Lugs	SC1059-ND	3.79	2.85	2.61	855
2	Fig. 3 and Fig. 5	.097" (2.46mm) 2 Cond. Natural with Solder Lugs	SC1060-ND	3.79	2.85	2.61	880
		"Micro-d Jax" Subminiature Enclosed Phone Jack					
3A	850	Subminiature 2 Cond. Closed Circuit Solder Lug	SC1043-ND	2.50	1.88	1.72	MDSL2A
5A	850	Subminiature 2 Cond. Closed Circuit PCB	SC1044-ND	2.50	1.88	1.72	MDPC2A
3B	850	Subminiature Rt. Angle 2 Cond. Solder Lug	SC1045-ND	2.77	2.08	1.91	MDSL2ARA
5B	850	Subminiature Rt. Angle PCB	SC1046-ND	2.77	2.08	1.91	MDPC2ARA
		Power Plugs					
4	712A	Power Plug .1" Black Handle (2.5 mm Dia.)	SC1051-ND	3.28	2.46	2.26	760
4	722A	Power Plug .08" Black Handle (2.1 mm Dia.)	SC1052-ND	3.28	2.46	2.26	S760
7	L712A	Conn. Power Plug Locking 2.5 mm Blk.	SC1148-ND	4.77	3.58	3.28	761K
7	712A	Conn. Power Plug Locking 2.5 mm Blk.	SC1149-ND	4.77	3.58	3.28	760K
		Power Jacks					
6A	760K	Panel Mount Jack .1" Dia. PC Terminals (2.5 mm Dia.)	SC1050-ND	3.17	2.38	2.18	PC712A
6A	S760K	Panel Mount Jack .08" Dia. (2.1 mm Dia.)	SC1047-ND	3.17	2.38	2.18	PC722A
6B	760	Panel Mount Jack .1" Dia., Solder Lug (2.5 mm Dia.)	SC1048-ND	3.17	2.38	2.18	712A
6B	S760	Panel Mount Jack .08" Dia., Solder Lug (2.1 mm Dia.)	SC1049-ND	3.17	2.38	2.18	722A
8	761K	Conn. Power Jack 2.5 mm Panel Mount Long	SC1150-ND	4.31	3.24	2.97	L712A
8	S761K	Conn. Power Jack 2.1 mm Panel Mount Long	SC1151-ND	4.31	3.24	2.97	L722A
9	760	Conn. Power Jack Right Angle PCB 2.5 mm	SC1152-ND	2.21	1.66	1.53	RAPC712
9	S760	Conn. Power Jack Right Angle PCB 2.1 mm	SC1153-ND	1.22	.92	.84	RAPC722
10	760	Conn. Power Jack Hybrid SMT 2.5 mm	SC1154-ND	1.37	1.03	.94	RASH712
10	S760	Conn. Power Jack Hybrid SMT 2.1 mm	SC1155-ND	1.37	1.03	.94	RASH722

Fig.	Description	Digi-Key Part No.	Price Each 1	10	25	100	Switchcraft Part No.
	Phono Jacks and Plugs						
11	Phono Plug 2 Cond.	SC1131-ND	1.10	.82	.76	.69	3501M
12	Phono Plug 2 Cond. with Cable Clamp	SC1132-ND	1.29	.97	.89	.81	3501MC
13	Phono Jack 2 Cond. Panel Mount	SC1133-ND	1.71	1.29	1.18	1.08	3501FP
—	Insulated Washer Flat For SC1133-ND	SC1144-ND	.73	.54	.50	.47	S-2207
—	Insulated Washer Extruded For SC1133-ND	SC1145-ND	.78	.58	.55	.49	S-1564
14	Phono Jack 2 Cond. Panel Mount with Hardware	SC1134-ND	2.18	1.64	1.50	1.36	3501FR
—	Insulated Washer Flat For SC1134-ND	SC1146-ND	.36	.28	.26	.24	S-1028
—	Insulated Washer Extruded For SC1134-ND	SC1147-ND	.78	.58	.55	.49	S-1029
15	Phono Plug 2 Cond., Red Cable Clamp	SC1135-ND	3.22	2.42	2.23	2.02	3558-1
15	Phono Plug 2 Cond., Black Cable Clamp	SC1136-ND	3.22	2.42	2.23	2.02	3558-2
16	Phono Plug 2 Cond., Shielded with Cable Clamp	SC1138-ND	2.37	1.78	1.63	1.49	3502
17	Phono Extension Jack 2 Cond., Shielded with Heavy Duty Clamp	SC1139-ND	3.36	2.52	2.31	2.11	3503

Fig. 1 – Right Angle Panel Mount Jack, Mono

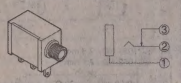


Fig. 2 – PCB Panel Mount Jack, Mono

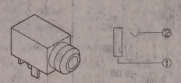


Fig. 3 – Straight Panel Mount Jack, Mono

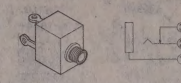


Fig. 4 – Audio Jack, Mono

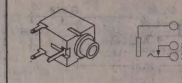


Fig. 5 – Audio Jack, Mono

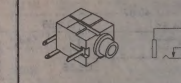


Fig. 6 – Audio Jack, Mono

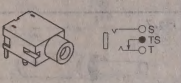


Fig. 7 – SMT Audio Jack, Mono

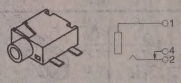


Fig. 8 – SMT Audio Jack, Mono

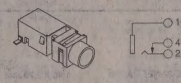


Fig. 9 – SMT Audio Jack

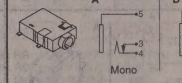


Fig. 10 – Audio Jack, Mono

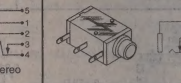


Fig. 11 – SMT Audio Jack, Mono

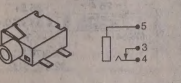


Fig. 12 – SMT Audio Jack, Mono

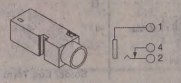


Fig. 13 – Right Angle Panel Mount Jack, Mono

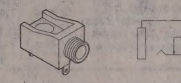


Fig. 14 – Audio Jack, Mono

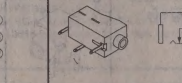


Fig. 15 – Audio Jack, Mono

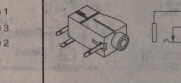


Fig. 16 – Male Mono Plug

Fig. 17 – Male Power Jack, Closed

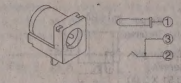


Fig. 18 – Right Angle Power Jack

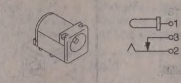


Fig. 19 – SMT Power Jack

Fig. 20 – SMT Power Jack

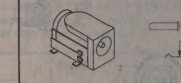


Fig. 21 – Male Power Jack, Open

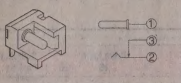


Fig. 22 – Panel Mount Jack

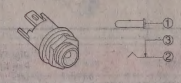


Fig. 23 – Power Jack with Solder Eyelets

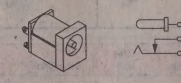


Fig. 24 – Vertical Power Jacks SMT

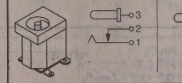


Fig. 25 – Right Angle Power Jack

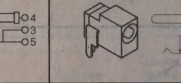


Fig. 26 – DC Power Jack

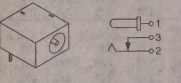


Fig. 27 – SMT Power Jack

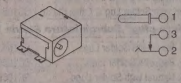


Fig. 28 – DC Power Jack

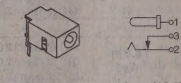


Fig. 29 – Male Power Jack, PCB (with kinked PCB pins)

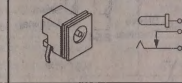


Fig. 30 – SMT Power Jack

Fig. 31 – DC Power Jack

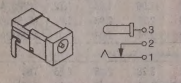


Fig. 32 – SMT Power Jack

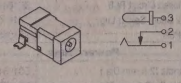


Fig. 33 – DC Power Jack

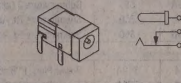


Fig. 34 – SMT Power Jack

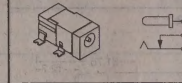


Fig. 35 – DC Power Jack (with 1mm PCB pins)

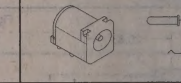


Fig.	Dia. mm	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
1	2.5	CP-2502-ND*◆	.99	.86	.66	MJ-2502
2	2.5	CP1-2503AM-ND†◆	.32	.28	.22	MJ1-2503A
3	2.5	CP-2505-ND*◆	.93	.81	.62	MJ-2505
4	2.5	CP-2506-ND*	.41	.36	.28	MJ-2506
		CP-2506N-ND†	.41	.36	.28	MJ-2506N
5	2.5	CP-2508-ND*	.35	.31	.24	MJ-2508
		CP-2508N-ND†◆	.35	.31	.24	MJ-2508N
6	2.5	CP-M2509N-ND◆	.38	.34	.26	MJ-2509N
7	2.5	CP1-2510MJCT-ND◆	.68	.59	.45	MJ1-2510-SMT
		CP1-2510MJTR-ND◆	337.50/1,000			MJ1-2510-SMT
8	2.5	CP-2523MJCT-ND◆	.86	.75	.58	MJ-2523-SMT
		CP-2523MJTR-ND◆	429.00/1,000			MJ-2523-SMT
9A	2.5	CP-2533MJTR-ND	495.00/1,000			MJ-2533-SMT
		CP1-2533MJCT-ND	.69	.61	.47	MJ1-2533-SMT
		CP1-2533MJTR-ND	346.50/1,000			MJ1-2533-SMT
9B	2.5	CP1-2535SJCT-ND	.75	.65	.50	SJ1-2535-SMT
		CP1-2535SJTR-ND	375.00/1,000			SJ1-2535-SMT
10	3.5	CP-3502MJ-ND*	.66	.58	.45	MJ-3502
		CP-3502N-ND†	.62	.54	.41	MJ-3502N
11	3.5	CP1-3510MJCT-ND	.63	.55	.42	MJ1-3510-SMT
		CP1-3510MJTR-ND	252.00/800			MJ1-3510-SMT
12	3.5	CP-3523MJCT-ND	.87	.76	.58	MJ-3523-SMT
		CP-3523MJTR-ND	433.50/1,000			MJ-3523-SMT
13	3.5	CP-3536-ND*◆	.39	.35	.27	MJ-3536
14	3.5	CP-3536N-ND†◆	.39	.35	.27	MJ-3536N
15	3.5	CP-3536NG-ND‡	.39	.35	.27	MJ-3536NG
16	2.5	CP3-1004-ND◆	.76	.66	.51	MP3-2501
16	3.5	CP-3501-ND	.76	.66	.51	MP-3501
	3.5	CP3-1005-ND◆	.76	.66	.51	MP3-3501
17	2.1	CP-002A-ND	.38	.33	.26	PJ-002A
	2.5	CP-002B-ND	.38	.33	.26	PJ-002B
18	2.0	CP-002AH-ND	.42	.37	.28	PJ-002AH
	2.5	CP-002BH-ND	.42	.37	.28	PJ-002BH
19	2.0	CP-002AHPJCT-ND◆	.90	.78	.60	PJ-002AH-SMT
	2.0	CP-002AHPJTR-ND◆	112.50/250			PJ-002AH-SMT
	2.5	CP-002BHPJCT-ND	.90	.78	.60	PJ-002BH-SMT
	2.5	CP-002BHPJTR-ND	112.50/250			PJ-002BH-SMT
20	2.1	CP-002APJCT-ND◆	.81	.70	.54	PJ-002A-SMT
	2.1	CP-002APJTR-ND◆	100.88/250			PJ-002A-SMT
	2.5	CP-002BPJCT-ND◆	.81	.70	.54	PJ-002B-SMT
	2.5	CP-002BPJTR-ND◆	100.88/250			PJ-002B-SMT
21	2.1	CP-003A-ND◆	.34	.30	.23	PJ-003A
	2.5	CP-003B-ND◆	.34	.30	.23	PJ-003B
22	2.0	CP-5-ND*	1.83	1.59	1.22	PJ-005A
	2.5	CP-6-ND*◆	1.83	1.59	1.22	PJ-005B
23	2.1	CP-006A-ND◆	.45	.38	.30	PJ-006A
	2.5	CP-006B-ND◆	.45	.39	.30	PJ-006B
24A	2.1	CP-006APJCT-ND◆	.93	.81	.62	PJ-006A-SMT
	2.1	CP-006APJTR-ND◆	116.25/250			PJ-006A-SMT
	2.5	CP-006BPJCT-ND	.93	.81	.62	PJ-006B-SMT
	2.5	CP-006BPJTR-ND◆	116.25/250			PJ-006B-SMT
24B	2.1	CP-015APJCT-ND	.69	.60	.46	PJ-015A-SMT
	2.1	CP-015APJTR-ND	51.75/150			PJ-015A-SMT
	2.5	CP-015BPJCT-ND	.69	.60	.46	PJ-015B-SMT
	2.5	CP-015BPJTR-ND	51.75/150			PJ-015B-SMT
25	1.3	CP-2519-ND◆	.45	.39	.30	PJ-007
26	1.0	CP-014C-ND◆	.42	.37	.28	PJ-014C
	1.3	CP-014D-ND	.42	.37	.28	PJ-014D
27	1.0	CP-014CHPJCT-ND◆	.90	.78	.60	PJ-014CH-SMT
	1.0	CP-014CHPJTR-ND◆	360.00/800			PJ-014CH-SMT
	1.3	CP-014DHPJCT-ND◆	.90	.78	.60	PJ-014DH-SMT
	1.3	CP-014DHPJTR-ND◆	360.00/800			PJ-014DH-SMT
	1.0	CP-014CPJCT-ND◆	.83	.72	.56	PJ-014C-SMT
	1.0	CP-014CPJTR-ND◆	332.40/800			PJ-014C-SMT
	1.3	CP-014DPJCT-ND	.83	.72	.56	PJ-014D-SMT
	1.3	CP-014DPJTR-ND◆	332.40/800			PJ-014D-SMT
28	1.65	CP-016-ND	.54	.47	.36	PJ-016
29	1.65	CP1-021-ND	.42	.37	.28	PJ1-021
30	1.65	CP1-021PJCT-ND	.65	.57	.44	PJ1-021-SMT
		CP1-021PJTR-ND	163.50/500			PJ1-021-SMT
31	0.65	CP1-022-ND◆	.60	.52	.40	PJ1-022
32	0.65	CP1-022PJCT-ND◆	.65	.56	.43	PJ1-022-SMT
		CP1-022PJTR-ND◆	322.50/1,000			PJ1-022-SMT
33	0.65	CP1-023-ND◊◆	.58	.51	.39	PJ1-023
34	0.65	CP1-023PJCT-ND◊◆	.67	.59	.45	PJ1-023-SMT
		CP1-023PJTR-ND◊◆	336.00/1,000			PJ1-023-SMT
35	2.1	CP-102A-ND◆	.38	.33	.26	PJ-102A
	2.5	CP-102B-ND◆	.38	.33	.26	PJ-102B
36	2.1	CP-102AH-ND	.42	.37	.28	PJ-102AH
	2.5	CP-102BH-ND	.42	.37	.28	PJ-102BH
37	2.1	CP-202A-ND◆	.38	.33	.26	PJ-202A
	2.5	CP-202B-ND	.38	.33	.26	PJ-202B
38	2.1	CP-202AH-ND	.42	.37	.28	PJ-202AH
	2.5	CP-202BH-ND◆	.42	.37	.28	PJ-202BH

* Threaded with nut † Non-threaded § Tray ‡ Non-threaded and Isolated Ground ◊ Shielded Version ◆ *RoHS Compliant*

(Continued)

Fig. 36 – Male Power Jack, PCB

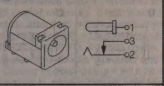


Fig. 37 – Male Power Jack, PCB (with kinked PCB pins)

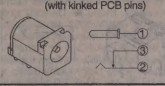


Fig. 38 – Male Power Jack, PCB (with kinked PCB pins)

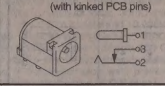


Fig. 39 – Power Socket

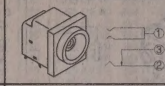


Fig. 40 – Female Plug 5.5 Outside

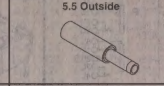


Fig. 41 – Power Receptacle

Fig. 42 – Female Plug, 3.5mm Outside

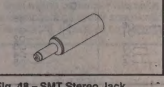


Fig. 43 – Female Plug, 3.5mm Outside

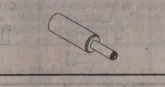


Fig. 44 – Female Plug

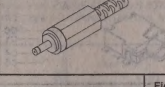


Fig. 45 – Power Plug

Fig. 46 – Earphone Combo Jack

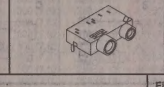


Fig. 47 – Audio Jack, Stereo

Fig. 48 – SMT Stereo Jack

Fig. 49 – SMT Audio Jack, Stereo

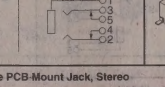


Fig. 50 – SMT Audio Jack, Stereo

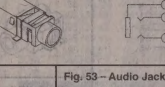


Fig. 51 – SMT Audio Jack, Stereo

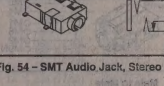


Fig. 52 – Right Angle PCB Mount Jack, Stereo

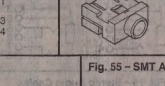


Fig. 53 – Audio Jack, Stereo

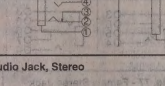


Fig. 54 – SMT Audio Jack, Stereo

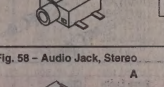


Fig. 55 – SMT Audio Jack, Stereo

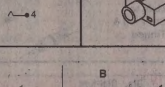


Fig. 56 – SMT Audio Jack, Stereo

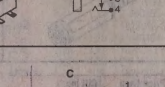


Fig. 57 – Audio Jack, Stereo

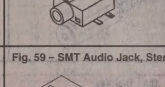


Fig. 58 – Audio Jack, Stereo

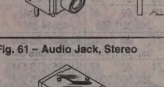


Fig. 59 – SMT Audio Jack, Stereo

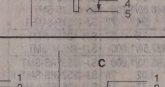


Fig. 60 – SMT Audio Jack, Stereo

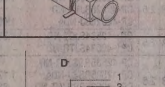


Fig. 61 – Audio Jack, Stereo

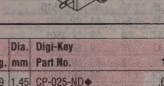


Fig. 62 – Stereo Jack

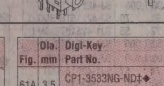


Fig.	Dia. mm	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
39	1.45	CP-025-ND◆	.66	.58	.44	PJ-025
40	2.1	CP3-1000-ND◆	.93	.81	.62	PP3-002A
	2.5	CP3-1001-ND◆	.93	.81	.62	PP3-002B
41	2.1	CP-024A-ND◆	2.28	1.98	1.52	PR-002A
	2.5	CP-024B-ND◆	2.28	1.98	1.52	PR-002B
42	1.0	CP-002C-ND	.78	.68	.53	PP-002C
	1.0	CP3-1002-ND◆	.93	.81	.62	PP3-002C
43	1.3	CP-002D-ND	.78	.68	.53	PP-002D
	1.3	CP3-1003-ND◆	.93	.81	.62	PP3-002D
44	.7 x 2.35	CP-012-ND	.90	.78	.60	PP-012
	1.7 x 4.0	CP-013-ND◆	.84	.73	.56	PP-013
	1.7 x 4.75	CP-014-ND◆	.84	.73	.56	PP-014
45	1.4	CP-026-ND◆	.54	.47	.36	PP-016
46	3.5/ 2.5	CP-320154-ND	1.18	1.03	.79	SJD-3201-54
47	2.5	CP1-2503A-ND†◆	.33	.29	.22	SJ1-2503A
48A	2.5	CP1-2513SJCT-ND◆	.68	.59	.45	SJ1-2513-SMT
		CP1-2513SJTR-ND◆		337.50/1,000		SJ1-2513-SMT
48B	2.5	CP-2514TR-ND		1050.00/1,000		SJ-2513-SMT
		CP1-2514SJCT-ND	.69	.60	.46	SJ1-2514-SMT
		CP1-2514SJTR-ND		345.00/1,000		SJ1-2514-SMT
48C	2.5	CP1-2515SJCT-ND	.71	.62	.47	SJ1-2515-SMT
		CP1-2515SJTR-ND		352.50/1,000		SJ1-2515-SMT
49A	2.5	CP-2523SJCT-ND◆	.86	.75	.58	SJ-2523-SMT
		CP-2523SJTR-ND◆		429.00/1,000		SJ-2523-SMT
49B	2.5	CP-2524SJCT-ND◆	.90	.78	.60	SJ-2524-SMT
		CP-2524SJTR-ND		448.50/1,000		SJ-2524-SMT
50	2.5	CP1-2533SJCT-ND	.69	.61	.47	SJ1-2533-SMT
		CP1-2533SJTR-ND◆		346.50/1,000		SJ1-2533-SMT
51	2.5	CP1-2534SJCT-ND	.74	.64	.49	SJ1-2534-SMT
		CP1-2534SJTR-ND		367.50/1,000		SJ1-2534-SMT
52A	3.5	CP-3504-ND†◆	2.06	1.79	1.38	SJ-3504
52B	3.5	CP-3505-ND†	2.10	1.83	1.41	SJ-3505
53A	3.5	CP1-3513-ND*◆	.59	.52	.40	SJ1-3513
		CP1-3513N-ND†◆	.53	.46	.35	SJ1-3513N
53B	3.5	CP-3514-ND*	.84	.74	.57	SJ-3514
		CP1-3514-ND*◆	.60	.53	.41	SJ1-3514
		CP-3514N-ND†	.82	.71	.55	SJ-3514N
		CP1-3514N-ND†◆	.54	.47	.36	SJ1-3514N
53C	3.5	CP1-3515-ND*◆	.62	.54	.41	SJ1-3515
		CP1-3515N-ND†◆	.55	.48	.37	SJ1-3515N
54	3.5	CP1-3513SJCT-ND◆	.63	.55	.42	SJ1-3513-SMT
		CP1-3513SJTR-ND◆		252.00/800		SJ1-3513-SMT
55	3.5	CP1-3514SJCT-ND	.65	.56	.43	SJ1-3514-SMT
		CP1-3514SJTR-ND		258.00/800		SJ1-3514-SMT
56	3.5	CP1-3515SJCT-ND◆	.66	.58	.44	SJ1-3515-SMT
		CP1-3515SJTR-ND◆		264.00/800		SJ1-3515-SMT
57A	2.5	CP-S2504N-ND◆	.45	.40	.31	SJ-2504N
57B	2.5	CP-S2509N-ND	.43	.37	.29	SJ-2809N
58A	3.5	CP1-3523N-ND†◆	.38	.33	.26	SJ1-3523N
		CP1-3523NG-ND‡◆	.38	.34	.26	SJ1-3523NG
58B	3.5	CP1-3524NG-ND‡◆	.40	.35	.27	SJ1-3524NG
		CP1-3524N-ND†◆	.39	.34	.26	SJ1-3524N
58C	3.5	CP1-3525NG-ND◆	.41	.36	.28	SJ1-3525NG
		CP1-3525N-ND◆	.40	.35	.27	SJ1-3525N
59	3.5	CP-3523SJCT-ND◆	.87	.76	.58	SJ-3523-SMT
		CP-3523SJTR-ND◆		433.50/1,000		SJ-3523-SMT
60	3.5	CP-3524SJCT-ND◆	.90	.78	.60	SJ-3524-SMT
		CP-3524SJTR-ND◆		448.50/1,000		SJ-3524-SMT
61A	3.5	CP1-3533-ND◆	.68	.59	.46	SJ1-3533
		CP1-3533N-ND◆	.60	.53	.41	SJ1-3533N
61A	3.5	CP1-3533NG-ND‡◆	.59	.52	.40	SJ1-3533NG
		CP1-3533NS-ND‡◊◆	.77	.67	.51	SJ1-3533NS
61B	3.5	CP1-3534-ND*◆	.69	.61	.47	SJ1-3534
		CP-3534N-ND†	.98	.85	.66	SJ-3534N
		CP1-3534N-ND†◆	.62	.54	.41	SJ1-3534N
		CP-3534NG-ND‡	.98	.85	.66	SJ-3534NG
		CP1-3534NG-ND‡◆	.61	.53	.41	SJ1-3534NG
61C	3.5	CP-3534NGS-ND‡◊	1.12	.97	.75	SJ-3534NGS
		CP-3534NS-ND†◊	1.12	.97	.75	SJ-3534NS
		CP1-3534NS-ND†◊	.78	.68	.52	SJ1-3534NS
61D	3.5	CP1-3535-ND*◆	.71	.62	.47	SJ1-3535
		CP1-3535N-ND†◆	.63	.55	.42	SJ1-3535N
		CP1-3535NG-ND‡◆	.62	.54	.42	SJ1-3535NG
		CP1-3535NS-ND†◆	.80	.69	.53	SJ1-3535NS
62A	3.5	CP-351133-ND◆	1.67	1.46	1.12	SJD-3511-33
62B	3.5	CP-351145-ND	1.58	1.37	1.05	SJD-3511-45
63A	3.5	CP-351033-ND◆	1.43	1.24	.96	SJD-3510-33
		CP-351233-ND	1.67	1.46	1.12	SJD-3512-33
63B	3.5	CP-351045-ND	1.49	1.29	1.00	SJD-3510-45
		CP-351245-ND	1.82	1.58	1.22	SJD-3512-45
64A	3.5	CP1-3543-ND*◆	.62	.54	.42	SJ1-3543
		CP1-3543N-ND*◆	.55	.48	.37	SJ1-3543N
64B	3.5	CP1-3544-ND*◆	.63	.55	.43	SJ1-3544
		CP-3544N-ND†	.97	.84	.65	SJ-3544N
		CP1-3544N-ND†◆	.56	.49	.38	SJ1-3544N
64C	3.5	CP1-3545N-ND†◆	.57	.50	.38	SJ1-3545N
65A	3.5	CP1-3559NG-ND‡◆	.50	.44	.34	SJ1-3553NG
65B	3.5	CP-3554NG-ND‡	.94	.82	.63	SJ-3554NG
		CP1-3554NG-ND‡◆	.52	.45	.35	SJ1-3554NG
65C	3.5	CP1-3555NG-ND‡◆	.53	.46	.36	SJ1-3555NG
66A	2.5	CP1-42514-ND	.71	.62	.48	SJ1-42514
66B	2.5	CP-42515RS-ND	1.05	.91	.70	SJ-42515RS
		CP1-42515RS-ND	.74	.64	.49	SJ1-42515RS

* Threaded with nut † Non-threaded § Tray ‡ Non-threaded and Isolated Ground ◊ Shielded Version ◆ RoHS Compliant

(Continued)

A

Fig. 63 – Stereo Jack

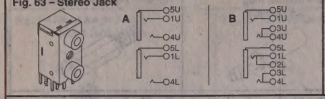


Fig. 64 – Audio Jack, Stereo

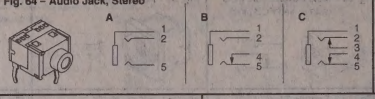


Fig. 65 – Audio Jack, Stereo

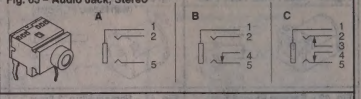


Fig. 66 – Audio Jack

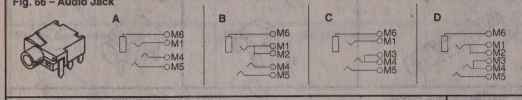


Fig. 67 – SMT Audio Jack

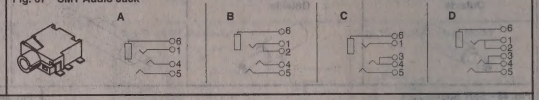


Fig. 68 – SMT Audio Jack

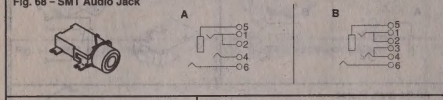


Fig. 69 – SMT Audio Jack

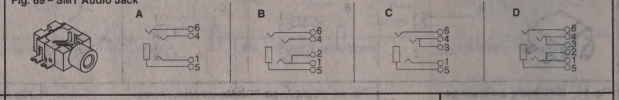


Fig. 70 – Panel Mount Audio Jack

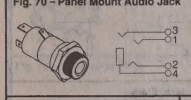


Fig. 71 – Audio Jack

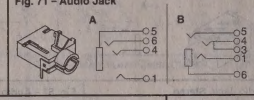


Fig. 72 – SMT Audio Jack

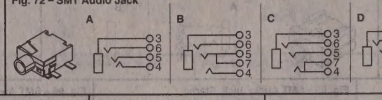


Fig. 73 – Audio Jack

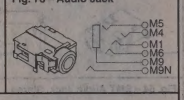


Fig. 74 – 2.5mm Male Stereo Plug

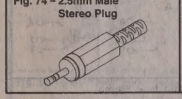


Fig. 75 – 3.5mm Male Stereo Plug

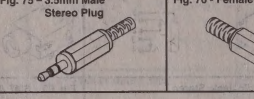


Fig. 76 - Female Mono Jack

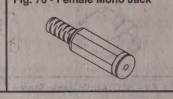


Fig. 77 - Female Stereo Jack

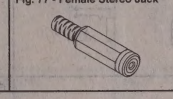


Fig. 78 – Stereo Audio Cables

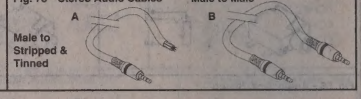


Fig.	Dia. mm	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
66C	2.5	CP-42515TS-ND	1.05	.91	.70	SJ-42515TS
	2.5	CP1-42515TS-ND §	.74	.64	.49	SJ1-42515TS
66D	2.5	CP1-42516-ND	.76	.66	.51	SJ1-42516
67A	2.5	CP1-42514SJCT-ND◆	.80	.70	.54	SJ1-42514-SMT
		CP1-42514SJTR-ND◆		400.50/1,000		SJ1-42514-SMT
67B	2.5	CP-42515RSSJTR-ND		525.00/1,000		SJ-42515RS-SMT
		CP-42515RSSJ-ND§	1.05	.91	.70	SJ-42515RS-SMT-1
		CP1-42515RSSJCT-ND	.83	.72	.55	SJ1-42515RS-SMT
		CP1-42515RSSJTR-ND		412.50/1,000		SJ1-42515RS-SMT
67C	2.5	CP-42515TSSJTR-ND		525.00/1,000		SJ-42515TS-SMT
		CP-42515TSSJ-ND§	1.05	.91	.70	SJ-42515TS-SMT-1
		CP1-42515TSSJCT-ND	.83	.72	.55	SJ1-42515TS-SMT
		CP1-42515TSSJTR-ND		412.50/1,000		SJ1-42515TS-SMT
67D	2.5	CP-42516SJTR-ND		540.00/1,000		SJ-42516-SMT
		CP1-42516SJCT-ND	.85	.74	.57	SJ1-42516-SMT
		CP1-42516SJTR-ND◆		424.50/1,000		SJ1-42516-SMT
68A	2.5	CP-42525RSSJTR-ND		525.00/1,000		SJ-42525RS-SMT

Fig.	Dia. mm	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
68B	2.5	CP-42526SJCT-ND	1.08	.94	.72	SJ-42526-SMT
		CP-42526SJTR-ND		648.00/1,200		SJ-42526-SMT
		CP1-42526SJ-ND§	1.08	.94	.72	SJ1-42526-SMT-1
69A	2.5	CP1-42534SJCT-ND	.86	.75	.57	SJ1-42534-SMT
		CP1-42534SJTR-ND		427.50/1,000		SJ1-42534-SMT
69B	2.5	CP-42535RSSJTR-ND		585.00/1,000		SJ-42535RS-SMT
		CP-42535RSSJ-ND§	1.17	1.02	.78	SJ-42535RS-SMT-1
		CP1-42535RSSJCT-ND	.88	.77	.59	SJ1-42535RS-SMT
		CP1-42535RSSJTR-ND		439.50/1,000		SJ1-42535RS-SMT
69C	2.5	CP-42535TSSJTR-ND		585.00/1,000		SJ-42535TS-SMT
		CP-42535TSSJ-ND§	1.17	1.02	.78	SJ-42535TS-SMT-1
		CP1-42535TSSJCT-ND	.88	.77	.59	SJ1-42535TS-SMT
		CP1-42535TSSJTR-ND		439.50/1,000		SJ1-42535TS-SMT
69D	2.5	CP-42536SJ-ND§	1.20	1.04	.80	SJ-42536-SMT-1
		CP1-42536SJCT-ND	.90	.78	.60	SJ1-42536-SMT
		CP1-42536SJTR-ND		450.00/1,000		SJ1-42536-SMT
70	3.5	CP-43502PM-ND◆	3.69	3.20	2.46	SJ-43502PM
71A	3.5	CP-43514-ND◆	.90	.78	.60	SJ-43514

Fig.	Dia. mm	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
71B	3.5	CP-43515TS-ND◆	.93	.81	.62	SJ-43515TS
72A	3.5	CP-43514SJCT-ND	.69	.60	.46	SJ1-43514-SMT
		CP-43514SJTR-ND		345.00/1,000		SJ1-43514-SMT
72B	3.5	CP-43515RSSJCT-ND	.71	.62	.47	SJ1-43515RS-SMT
		CP-43515RSSJTR-ND◆		352.50/1,000		SJ1-43515RS-SMT
72C	3.5	CP-43515TSSJCT-ND	.71	.62	.47	SJ1-43515TS-SMT
		CP-43515TSSJTR-ND		352.50/1,000		SJ1-43515TS-SMT
72D	3.5	CP-43516SJCT-ND	.72	.63	.48	SJ1-43516-SMT
		CP-43516SJTR-ND		360.00/1,000		SJ1-43516-SMT
73	3.5	CP-63516-ND	1.26	1.10	.84	SJ-63516
74	2.5	CP-2501SP-ND	.96	.84	.64	SP-2501
75	3.5	CP-3502-ND	.87	.76	.59	SP-3501
	3.5	CP3-1006-ND◆	.87	.76	.59	SP3-3501
76	2.5	CP-2529-ND◆	1.29	1.12	.86	MR-2501
	3.5	CP-3506-ND◆	1.29	1.12	.86	MR-3501
77	2.5	CP-2521-ND◆	1.92	1.67	1.28	SR-2501
	3.5	CP-3507-ND◆	1.92	1.67	1.28	SR-3501

Fig.	Diameter (mm)	Length Meters	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.	Mating Jacks
Cable Assembly 4 Conductor								
78A	2.5	1.83	CP-254CS-ND	5.04	4.37	3.36	CA-254CS	SJ-4252X-SMT
	2.5		CP-254S-ND	4.89	4.24	3.26	CA-254S	SJ-4251X-SMT, SJ-4243X-SMT
	3.5		CP-354S-ND◆	5.73	4.97	3.82	CA-354S	SJ-4351X, SJ-43502PM
78B	2.5	1.83	CP-254CS-M/M-ND	5.91	5.13	3.94	CA-254CS-M/M	SJ-4252X-SMT
	2.5		CP-254S-M/M-ND◆	5.73	4.97	3.82	CA-254S-M/M	SJ-4251X-SMT, SJ-4243X-SMT, SJ-4251X
	3.5		CP-354S-M/M-ND◆	6.27	5.44	4.18	CA-354S-M/M	SJ-4351X, SJ-43502PM
Cable Assembly 6 Conductor								
78A	3.5	1.83	CP-356CS-ND	8.04	6.97	5.36	CA-356CS	SJ-63516
78B			CP-356CS-M/M-ND	11.85	10.27	7.90	CA-356CS-M/M	SJ-63516

★ Threaded with nut † Non-threaded § Tray ‡ Non-threaded and Isolated Ground ◊ Shielded Version ◆ *RoHS Compliant*

Single Ended Power Cables

Fig.	Dimensions (mm) A	B	C	Wire Awg	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
Straight Cable Assembly									
1	0.70	2.35	9.5	24	CP-2192-ND	1.47	1.28	.98	CA-2192
	1.35	3.5	9.5	24	CP-2193-ND◆	1.32	1.15	.88	CA-2193
	1.7	4	10	24	CP-2194-ND	1.38	1.20	.92	CA-2194
	1.7	4.75	9.5	24	CP-2195-ND◆	1.38	1.20	.92	CA-2195
	2.1	5.5	12	24	CP-2185-ND◆	1.29	1.12	.86	CA-2185
	2.1	5.5	12	18	CP-2187-ND◆	2.10	1.82	1.40	CA-2187
	2.5	5.5	12	24	CP-2184-ND◆	1.29	1.12	.86	CA-2184
	2.5	5.5	12	18	CP-2186-ND◆	2.10	1.82	1.40	CA-2186
Right Angle Cable Assembly									
2	0.70	2.35	11	24	CP-2196-ND◆	1.47	1.28	.98	CA-2196
	1.35	3.5	10	24	CP-2197-ND◆	1.32	1.15	.88	CA-2197
	1.7	4	9.5	24	CP-2198-ND	1.38	1.20	.92	CA-2198
	1.7	4.75	9.5	24	CP-2199-ND◆	1.38	1.20	.92	CA-2199
	2.1	5.5	12	24	CP-2189-ND◆	1.29	1.12	.86	CA-2189
	2.1	5.5	10	18	CP-2191-ND◆	2.10	1.82	1.40	CA-2191
	2.5	5.5	12	24	CP-2188-ND◆	1.29	1.12	.86	CA-2188
	2.5	5.5	10	18	CP-2200-ND◆	2.10	1.82	1.40	CA-2200

◆ *RoHS Compliant*

Fig. 1

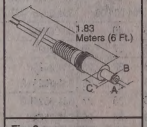
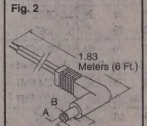


Fig. 2



Single Ended Audio Cables

RoHS COMPLIANT

Fig.	Dim. (mm) A	B	Wire Awg	Digi-Key Part No.	Price Each 1	10	100	CUI Inc. Part No.
Mono Plug – Straight								
1	2.5	11.5	24	CP-2201-ND	2.04	1.77	1.36	CA-2201
	3.5	13	24	CP-2205-ND	2.07	1.80	1.38	CA-2205
Stereo Plug – Straight								
1	2.5	11	24	CP-2203-ND	2.07	1.80	1.38	CA-2203
	3.5	13	24	CP-2207-ND	2.10	1.82	1.40	CA-2207
Mono Plug – Right Angle								
2	2.5	11.5	24	CP-2202-ND	2.04	1.77	1.36	CA-2202
	3.5	14.5	24	CP-2206-ND	2.07	1.80	1.38	CA-2206
Stereo Plug – Right Angle								
2	2.5	11	24	CP-2204-ND	2.07	1.80	1.38	CA-2204
	3.5	14	24	CP-2208-ND	2.10	1.82	1.40	CA-2208

Fig. 1

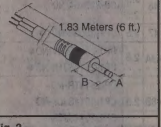
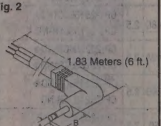


Fig. 2



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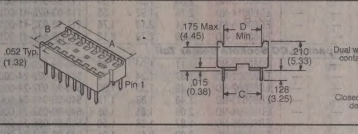
tyco Electronics AMP I.C. Sockets

Performance Characteristics: Physical: Engaging force: 340 grams maximum (initial) • Separating force: 25 grams minimum **Electrical:** • Rating: 250VAC • Contact resistance: 20mΩ maximum initial, 30mΩ maximum after test • Dielectric withstanding voltage: 1000 VRMS minimum • Insulation resistance: 10,000MΩ minimum (initial) • Capacitance: 0.5 picofarad maximum **Environmental:** • Operating temperature: -55°C ~ 105°C (tin); -55°C ~ 125°C (gold) • Vibration: 15 G's, 10-2000-10 Hz with 100mA current • Shock: 100 G's sawtooth; 6 shocks **Material and Finish:** • Housing: Glass-filled thermoplastic, 94V-0 rated (black) **Notes:** • Closed bottom design: Inhibits flux contamination and solder wicking • Overstress stop wall: prevents damage to socket contact from bent or twisted DIP leads and off-set insertion or extraction of DIP packages. • Closed Frame Style (unless noted) • Large target area: makes it easy to insert DIP packages • Dual wiping contacts: make a gas-tight connection for high reliability • .175 (4.45) maximum seating plane above pc board • Dual wiping contacts • Stackable end-to-end and side-to-side • Designed to meet EIA RS-415, MIL-S-83734 and stringent computer specifications • Recognized under the Component Program of Underwriters Lab. Inc. File E28476 • Certified by Canadian Standards Association File No. LR 16455



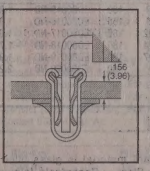
No. of Pins	A	B	C	D	Digi-Key Part No.	1	10	AMP Part No.
Dual Leaf Dip Sockets								
Phosphor Bronze with 15µ Gold Plating								
6	.295 (7.49)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9406-ND	.69	.56	2-641296-4
6	.295 (7.49)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32868-ND† **NEW!**	.69	.56	1825093-1
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9408-ND	.87	.70	2-640463-4
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32361-ND†	.81	.65	1825093-2
14	.695 (17.65)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9414-ND	.99	.80	2-640357-4
14	.695 (17.65)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32869-ND† **NEW!**	.93	.75	1825093-3
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9416-ND	1.11	.89	2-640358-4
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32870-ND† **NEW!**	1.05	.84	1825093-4
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A94116-ND*	1.38	1.11	2-641600-4
18	.895 (22.73)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9418-ND	1.41	1.13	2-640359-4
18	.895 (22.73)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32871-ND† **NEW!**	1.32	1.06	1825093-5
20	.995 (25.27)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A9420-ND	1.50	1.20	2-640464-4
20	.995 (25.27)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32872-ND† **NEW!**	1.38	1.11	1825093-6
20	.995 (25.27)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A94120-ND*	1.62	1.30	2-641602-4
20	.995 (25.27)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32873-ND*† **NEW!**	1.56	1.25	1825094-6
24	1.195 (30.35)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A9424-ND	2.67	2.14	2-640361-4
24	1.195 (30.35)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A94124-ND*	2.49	2.00	2-641932-4
24	1.195 (30.35)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32874-ND*† **NEW!**	1.71	1.37	1825094-7
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A9428-ND	2.55	2.04	2-640362-4
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32875-ND† **NEW!**	2.37	1.90	1825108-2
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A94128-ND*	1.92	1.54	2-641605-4
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32876-ND*† **NEW!**	2.37	1.90	1825109-2
32	1.595 (40.51)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A94132-ND*	2.82	2.26	2-644018-4
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A9440-ND	2.52	2.02	2-640379-4
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32877-ND† **NEW!**	2.34	1.88	1825108-3
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A94140-ND*	2.52	2.02	2-641606-4
Beryllium Copper with 30µ Gold Plating								
6	.295 (7.49)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24793-ND	.84	.68	2-641296-2
6	.295 (7.49)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32529-ND† **NEW!**	.75	.60	1-1825093-1
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24794-ND	.45	.36	2-640463-2
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32878-ND† **NEW!**	.42	.34	1-1825093-2
14	.695 (17.65)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24795-ND*	1.02	.82	2-641599-2
14	.695 (17.65)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32879-ND*† **NEW!**	.93	.75	1-1825094-3
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24796-ND*	1.05	.84	2-641600-2
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32880-ND*† **NEW!**	.99	.80	1-1825094-4
24	1.195 (30.35)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24797-ND*	2.55	2.04	2-641932-2
24	1.195 (30.35)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32881-ND*† **NEW!**	2.37	1.90	1-1825094-7
24	1.195 (30.35)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24798-ND*	3.24	2.60	2-641604-2
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24799-ND*	3.36	2.69	2-641605-2
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32882-ND*† **NEW!**	2.34	1.88	1-1825108-2
32	1.595 (40.51)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24800-ND*	3.72	2.98	2-644018-2
32	1.595 (40.51)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32883-ND*† **NEW!**	2.61	2.09	1-1825276-2
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24801-ND*	3.33	2.67	2-641606-2
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32884-ND*† **NEW!**	3.12	2.50	1-1825109-3
Sockets with Retention Solder Tails								
Phosphor Bronze with 15µ Gold Plating								
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24802-ND	.66	.53	2-641260-4
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A32885-ND† **NEW!**	.66	.53	1825373-2
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24803-ND*	2.55	2.04	2-641615-4
Phosphor Bronze with Tinned Plating — RoHS Compliant								
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24804-ND*	.75	.60	2-641615-3
Beryllium Copper with 30µ Gold Plating								
28	1.395 (35.43)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24805-ND*	3.36	2.69	2-641615-3
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24806-ND*	3.36	2.69	2-641616-2
40	1.995 (50.67)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A32886-ND*† **NEW!**	3.12	2.50	1-1825376-3
Beryllium Copper with Tinned Plating — RoHS Compliant								
8	.395 (10.03)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24807-ND	.33	.27	2-641260-1
14	.695 (17.65)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24808-ND*	.60	.48	2-641609-1
16	.795 (20.19)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24809-ND*	.66	.53	2-641610-1
20	.995 (25.27)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24810-ND*	.66	.53	2-641612-1
24	1.195 (30.35)	.394 (10.01)	.300 (7.62)	.320 (8.13)	A24811-ND*	.87	.70	2-641933-1
32	1.595 (40.51)	.694 (17.63)	.600 (15.24)	.620 (15.75)	A24812-ND*	.87	.70	2-382189-1

* Open Frame Style † *RoHS Compliant*

Test Sockets

Reusable Receptacles for Component Testing:

- Receptacles help prevent heat damage to pc boards and components during burn-in and bread-boarding evaluation
- Receptacles eliminate need for soldering components directly to the board
- Board components can be inserted and extracted at a minimum of 100 times.



Description	Accepts Lead Size - inch (mm)	Finish: Cup	Finish: Spring	Digi-Key Part No.	Price Each: 1	Price Each: 10	Price Each: 100	AMP Part No.
Closed Bottom	.018 - .040 (0.46 - 1.02)	30µ Gold	30µ Gold	A29070-ND†	1.11	.89	.71	380598-1
		Tin	30µ Gold	A32362-ND†	.48	.39	.31	5380598-2
		Tin-Lead	Tin-Lead	A32363-ND†	.39	.32	.25	5380598-3
Closed Bottom	.036 - .054 (0.91 - 1.37)	Tin-Lead	Tin-Lead	A29073-ND	.39	.32	.25	1-380758-0
		Tin	Tin	A32364-ND†	.39	.32	.25	1-5380758-0
		Tin-Lead	30µ Gold	A29074-ND	.47	.38	.30	1-380758-1
		Tin-Lead	30µ Gold	A32365-ND†	.46	.38	.30	1-5380758-1
Open Bottom	.018 - .040 (0.46 - 1.02)	30µ Gold	30µ Gold	A29075-ND†	1.16	.93	.74	380635-1
		Tin-Lead	30µ Gold	A29076-ND	.72	.58	.46	380635-2
		Tin	30µ Gold	A32366-ND†	.71	.58	.46	5380635-2
Stand-Off	.018 - .040 (0.46 - 1.02)	Tin-Lead	30µ Gold	A29080-ND	1.43	1.15	.91	1-380737-0
		Tin	30µ Gold	A32367-ND†	1.42	1.14	.90	1-5380737-0

† *RoHS Compliant*

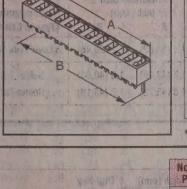
SIP Sockets

RoHS COMPLIANT

STRAIGHT SOLDER TAIL

The DIPLOMATE Dual Leaf SIP socket family provides high quality at low cost with superior handling characteristics. These stackable housings feature a "true closed bottom" design which prevents solder or flux wicking.

- Housing- Glass-filled thermoplastic, 94V-0 rated, black
- Contact Material: Tin Plated BE. CU.
- Low Profile - .210 (5.33) maximum
- Dual wiping contacts
- Accepts .008 - .014 (0.2 - 0.36) thick x .030 (0.76) maximum wide rectangular leads



No. of Positions	Dimensions - Inch (mm) A	B	Digi-Key Part No.	Price Each: 1	Price Each: 10	Price Each: 100	AMP Part No.
3	.295 (7.49)	.200 (5.08)	A26245-ND	.99	.80	.63	382437-1
4	.395 (10.03)	.300 (7.62)	A24813-ND	.99	.80	.63	382438-1
7	.695 (17.65)	.600 (15.24)	A24814-ND	.99	.80	.63	382441-1
8	.795 (20.19)	.700 (17.78)	A24815-ND	1.08	.87	.69	643640-1
10	.995 (25.27)	.900 (22.86)	A24816-ND	1.56	1.25	.99	643642-1
12	1.195 (30.35)	1.100 (27.94)	A26246-ND	2.01	1.61	1.28	643644-1
12	1.195 (30.35)	1.100 (27.94)	A29107-ND*	1.68	1.35	1.07	643644-3
14	1.395 (35.43)	1.300 (33.02)	A24817-ND	3.12	2.50	1.98	643646-1
15	1.495 (37.97)	1.400 (35.56)	A24818-ND	3.42	2.74	2.17	643647-1
16	1.595 (40.51)	1.500 (38.1)	A26247-ND	2.19	1.76	1.39	643648-1
17	1.695 (43.05)	1.600 (40.64)	A26248-ND	2.61	2.09	1.66	643649-1
18	1.795 (45.59)	1.700 (43.18)	A24819-ND	2.82	2.26	1.79	643650-1
20	1.995 (50.57)	1.900 (48.26)	A24820-ND	2.61	2.09	1.66	643652-1
22	2.195 (55.75)	2.100 (53.34)	A26249-ND	3.63	2.91	2.30	643654-1
25	2.495 (63.37)	2.400 (60.96)	A24821-ND	7.68	6.15	4.87	643657-1
30	2.995 (76.07)	2.900 (73.66)	A26250-ND	9.12	7.30	5.78	643662-1

* Tin Plated Phos. Bronze

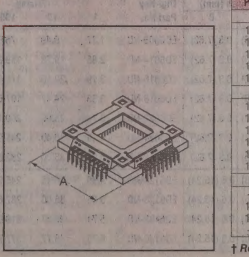
PQFP Sockets

Housing: High temperature thermoplastic, 94V-0 rated, black.

Cover: Polyphenylene sulfide (PPS), 94V-0 rated, black (MICRO-PITCH: Housing and Cover are high temperature thermoplastic, 94V-0 rated).

Performance Characteristics:

- Current Rating: 1A maximum
- Operating Temperature: -55°C ~ 105°C
- Dielectric Withstanding Voltage: 750VAC minimum
- Capacitance (Adjacent Contacts): 1 picofarad maximum
- Durability: 15 insertion/withdrawal cycles

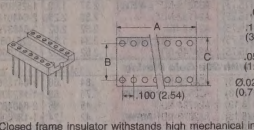


No. of Pos.	Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each: 1	Price Each: 10	Price Each: 100	AMP Part No.
Conventional AMP Sockets							
100	Housing Sub-Assembly	1.140 (28.96)	A24822-ND	22.29	17.84	14.12	821949-4
100	Cover	1.140 (28.96)	A24823-ND†	3.18	2.55	2.02	821939-1
132	Housing Sub-Assembly	1.340 (34.04)	A24824-ND	33.33	26.67	21.11	821949-5
132	Housing Sub-Assembly	1.340 (34.04)	A32388-ND†	31.14	24.92	19.73	2-821949-5
132	Cover	1.340 (34.04)	A24825-ND†	5.94	4.76	3.77	821942-1
MICRO-PITCH Sockets for JEDEC Metric Quad Flat Pack IC's							
144	Housing Sub-Assembly	38.2 (1.504)	A24826-ND	32.70	26.16	20.71	822114-3
144	Housing Sub-Assembly	38.2 (1.504)	A32888-ND† **NEW!**	30.57	24.46	19.37	2-822114-3
144	Cover	38.2 (1.504)	A24827-ND†	4.13	3.31	2.62	822115-3
160	Housing Sub-Assembly	38.2 (1.504)	A24828-ND	36.36	29.09	23.03	822114-4
160	Housing Sub-Assembly	38.2 (1.504)	A32889-ND† **NEW!**	33.99	27.20	21.53	2-822114-4
160	Cover	38.2 (1.504)	A24838-ND†	4.64	3.72	2.94	822115-4
Tools							
—	Extraction Tool	—	A24839-ND	158.61	—	—	822254-1
100	Insertion Hand Tool for Conventional	—	A24831-ND	921.56	—	—	822253-1
132	Insertion Hand Tool for Conventional	—	A24841-ND	902.79	—	—	822253-2
—	Insertion Hand Tool for MICRO-PITCH	—	A24842-ND	344.04	—	—	822253-4

† *RoHS Compliant*

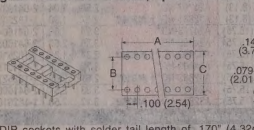
Dual-In-Line and PLCC Sockets

Fig. 1 - Dual-In-Line Sockets, Closed Frame



• Closed frame insulator withstands high mechanical impact. • Low profile • Plating: Sleeve (Pin) 200µ" Sn and Contact (Clip) 30µ" Au.

Fig. 2 - Dual-In-Line Sockets, Open Frame

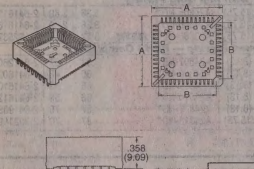


• DIP sockets with solder tail length of .170" (4.32mm), allowing application on multilayer PCBs up to .139" (3.53mm). • Plating: Sleeve (Pin) 200µ" Sn and Contact (Clip) 30µ" Au.

Fig. 3 - Compact PLCC Sockets

Solder Tail

Surface Mount with Polarizing Posts (optional)

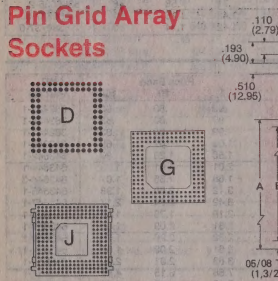


• Designed for JEDEC type devices. • Open frame design in solder area improves results of IR soldering and facilitates visual inspection of solder pads. • The brown PPS (Ryton R-4) insulator has optional polarizing pegs (PP).

No. of Pins	Dimensions (Inch) A	B	C	D	E	F	Digi-Key Part No.	Price Each 1	10	100	Mill-Max Part No.
Fig. 1 — Dual-In-Line Sockets, Solder Tail Closed Frame											
8	0.4	0.3	0.4	—	—	—	ED60000-ND	.62	.44	.35	210-93-308-41-001000
14	0.7	0.3	0.4	—	—	—	ED60001-ND	1.09	.76	.62	210-93-314-41-001000
16	0.8	0.3	0.4	—	—	—	ED60002-ND	1.25	.87	.70	210-93-316-41-001000
24	1.2	0.3	0.4	—	—	—	ED60003-ND	1.87	1.30	1.05	210-93-324-41-001000
24	1.2	0.6	0.7	—	—	—	ED60004-ND	1.87	1.30	1.05	210-93-624-41-001000
28	1.4	0.6	0.7	—	—	—	ED60005-ND	2.18	1.52	1.23	210-93-628-41-001000
32	1.6	0.6	0.7	—	—	—	ED60006-ND	2.50	1.74	1.40	210-93-632-41-001000
40	2.0	0.6	0.7	—	—	—	ED60007-ND	3.12	2.17	1.75	210-93-640-41-001000
Fig. 2 — Dual-In-Line Sockets, Long Solder Tail for Multilayer PC-Boards, Open Frame											
8	0.4	0.3	0.4	—	—	—	ED60008-ND	.82	.57	.46	111-93-308-41-001000
14	0.7	0.3	0.4	—	—	—	ED60009-ND	1.37	.96	.77	111-93-314-41-001000
16	0.8	0.3	0.4	—	—	—	ED60010-ND	1.56	1.09	.88	111-93-316-41-001000
20	1.0	0.3	0.4	—	—	—	ED60011-ND	2.00	1.39	1.13	111-93-320-41-001000
24	1.2	0.3	0.4	—	—	—	ED60012-ND	2.38	1.66	1.34	111-93-324-41-001000
24	1.2	0.6	0.7	—	—	—	ED60013-ND	2.38	1.66	1.34	111-93-624-41-001000
28	1.4	0.6	0.7	—	—	—	ED60014-ND	2.76	1.92	1.55	111-93-628-41-001000
32	1.6	0.6	0.7	—	—	—	ED60015-ND	3.14	2.18	1.76	111-93-632-41-001000
40	2.0	0.6	0.7	—	—	—	ED60016-ND	3.89	2.70	2.18	111-93-640-41-001000
Fig. 3 — Compact PLCC Sockets Solder Tail											
20	.590	.360	.200	.400	—	—	ED80000-ND	1.11	1.00	.89	540-99-020-24-000000
28	.690	.460	.300	.500	—	—	ED80001-ND	1.37	1.24	1.10	540-99-028-24-000000
32*	.783/.683	.564/.464	.400/.300	.600/.500	—	—	ED80002-ND	1.49	1.35	1.20	540-99-032-24-000000
44	.890	.660	.500	.700	—	—	ED80003-ND	1.48	1.33	1.19	540-99-044-24-000000
52	.990	.760	.600	.800	—	—	ED80004-ND	2.06	1.86	1.65	540-99-052-24-000000
68	1.190	.960	.800	1.000	—	—	ED80005-ND	1.87	1.68	1.50	540-99-068-24-000000
84	1.390	1.160	1.000	1.200	—	—	ED80006-ND	2.39	2.15	1.91	540-99-084-24-000000
Fig. 3 — Compact PLCC Sockets Solder Tail, RoHS Compliant											
28	.690	.460	.300	.500	—	—	ED90019-ND	2.16	1.95	1.73	540-44-028-24-000000
32*	.783/.683	.564/.464	.400/.300	.600/.500	—	—	ED90020-ND	2.16	1.95	1.73	540-44-032-24-000000
44	.890	.660	.500	.700	—	—	ED90021-ND	2.48	2.23	1.99	540-44-044-24-000000
52	.990	.760	.600	.800	—	—	ED90022-ND	2.72	2.45	2.18	540-44-052-24-000000
68	1.190	.960	.800	1.000	—	—	ED90023-ND	2.91	2.62	2.33	540-44-068-24-000000
84	1.390	1.160	1.000	1.200	—	—	ED90024-ND	3.47	3.13	2.78	540-44-084-24-000000
Fig. 3 — Compact PLCC Sockets Surface Mount											
20	.200	.200	.585	.585	.657	.180	ED80007-ND	1.26	1.13	1.01	540-99-020-17-400000
28	.300	.300	.685	.685	.799	.180	ED80008-ND	1.29	1.16	1.03	540-99-028-17-400000
32*	.300	.400	.685	.766	.885	.168	ED80009-ND	1.37	1.24	1.10	540-99-032-17-400000
44	.500	.500	.885	.885	1.082	.180	ED80010-ND	1.67	1.51	1.34	540-99-044-17-400000
52	.600	.600	1.000	1.000	1.224	.180	ED80011-ND	1.78	1.60	1.42	540-99-052-17-400000
68	.800	.800	1.202	1.202	1.507	.180	ED80012-ND	1.98	1.78	1.59	540-99-068-17-400000
84	1.000	1.000	1.400	1.400	1.791	.180	ED80013-ND	2.21	1.99	1.77	540-99-084-17-400000
Fig. 3 — Compact PLCC Sockets Surface Mount, RoHS Compliant											
20	.200	.200	.585	.585	.657	.180	ED90025-ND	2.24	2.02	1.80	540-44-020-17-400000
28	.300	.300	.685	.685	.799	.180	ED90026-ND	2.35	2.12	1.89	540-44-028-17-400000
32*	.300	.400	.685	.766	.885	.168	ED90027-ND	1.53	1.38	1.23	540-44-032-17-400000
44	.500	.500	.885	.885	1.082	.180	ED90028-ND	1.93	1.74	1.55	540-44-044-17-400000
52	.600	.600	1.000	1.000	1.224	.180	ED90029-ND	2.81	2.53	2.25	540-44-052-17-400000
68	.800	.800	1.202	1.202	1.507	.180	ED90030-ND	2.89	2.60	2.31	540-44-068-17-400000
84	1.000	1.000	1.400	1.400	1.791	.180	ED90031-ND	3.56	3.20	2.85	540-44-084-17-400000
Fig. 3 — Compact PLCC Sockets Surface Mount with Polarizing Posts											
28	.300	.300	.685	.685	.799	.180	ED80015-ND	1.29	1.16	1.03	540-99-028-17-400200
32*	.300	.400	.685	.766	.885	.168	ED80016-ND	1.37	1.24	1.10	540-99-032-17-400200
44	.500	.500	.885	.885	1.082	.180	ED80017-ND	1.67	1.51	1.34	540-99-044-17-400200
52	.600	.600	1.000	1.000	1.224	.180	ED80018-ND	1.78	1.60	1.42	540-99-052-17-400200
68	.800	.800	1.202	1.202	1.507	.180	ED80019-ND	1.98	1.78	1.59	540-99-068-17-400200
84	1.000	1.000	1.400	1.400	1.791	.180	ED80020-ND	2.21	1.99	1.77	540-99-084-17-400200

* Rectangular

Pin Grid Array Sockets



MATERIAL: • **Insulator body:** Standard material is glass filled thermoplastic polyester (PCT), self-extinguishing, rated UL94V-0 • **Color:** Black • **Receptacle (sleeve):** Screw-machined brass (QQ-B-626), plated 200µ" tin-lead (SnPb 90/10) over 80-120µ" nickel • **Pin:** Screw-machined brass (QQ-B-626), plated 200µ" tin-lead (SnPb 90/10) over 80-120µ" nickel • **Contact (clip):** Stamped Beryllium-copper (QQ-C-533) heat treated, plated gold flash, 30µ" gold, over 80-120µ" nickel **ELECTRICAL DATA:** • **Rated Current:** 1A • **Rated Voltage:** 100 VRMS/150VDC • **Contact Resistance:** 10mΩ maximum • **Insulation resistance:** 10,000MΩ minimum • **Dielectric Strength:** 1000VRMS minimum • **Capacity:** 0.8pF maximum • **Operating Temperature Range:** -55°C ~ 125°C

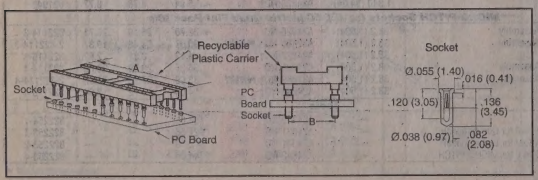
Pin Grid Array Size	No. of Pins	Foot-print (See Diag.)	Insulator Size Inch (mm) A	B	Description (Type of Contacts)	Frame Style	Digi-Key Part No.	Price Each 1	10	100
13x13	88	D	1.3 (33.02)	1.2 (30.48)	3 Level Wire Wrap	Open	ED2021-ND	11.49	9.97	8.05
17x17	168	G	1.7 (43.18)	1.6 (40.64)	Solder-Tail	Open	ED2030-ND	17.44	15.12	12.21
18x18	223	J	1.8 (45.72)	1.7 (43.18)	Solder-Tail	Open	ED2046-ND	31.04	26.91	21.74

Miniature Dual-In-Line Socket Carriers

- Reusable carriers
- Pin Carrier Assemblies assure maximum ventilation and better visibility for inspection and repair
- Easy mounting due to the ***RECYCLABLE PLASTIC CARRIER***. No solder wicking problems.

Requires .039" (.99mm) minimum diameter holes in PCB.

Insertion Characteristics: 3-finger.
Plating: Sleeve (Pin) – 200µ" Sn.; Contact (Clip) – 30µ" Au.



No. of Pins	Dim. – Inch (mm) A	B	Digi-Key Part No.	Pricing 1	10	100	500	Mill-Max Part No.
8	0.4 (10.16)	0.3 (7.62)	ED6008-ND	1.37	9.49	76.65	328.50	614-93-308-31-012000
14	0.7 (17.78)	0.3 (7.62)	ED6014-ND	2.85	19.73	159.39	683.10	614-93-314-31-012000
16	0.8 (20.32)	0.3 (7.62)	ED6016-ND	3.19	22.10	178.50	765.00	614-93-316-31-012000
18	0.9 (22.86)	0.3 (7.62)	ED6018-ND	3.53	24.47	197.61	846.90	614-93-318-31-012000
20	1.0 (25.40)	0.3 (7.62)	ED6020-ND	3.74	25.90	209.16	896.40	614-93-320-31-012000
24	1.2 (30.48)	0.3 (7.62)	ED6024-ND	4.39	30.45	245.91	1053.90	614-93-324-31-012000
28	1.4 (35.56)	0.3 (7.62)	ED6028-ND	5.05	35.00	282.66	1211.40	614-93-328-31-012000
24	1.2 (30.48)	0.6 (15.24)	ED6124-ND	4.39	30.45	245.91	1053.90	614-93-624-31-012000
28	1.4 (35.56)	0.6 (15.24)	ED6128-ND	5.05	35.00	282.66	1211.40	614-93-628-31-012000
32	1.6 (40.64)	0.6 (15.24)	ED6132-ND	5.71	39.57	319.62	1369.80	614-93-632-31-012000
40	2.0 (50.80)	0.6 (15.24)	ED6140-ND	6.75	46.77	377.79	1619.10	614-93-640-31-012000

More Product Available Online: www.digikey.com
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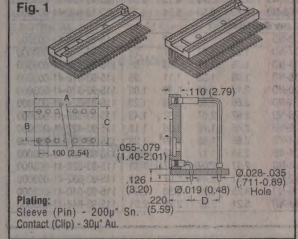
Dual-In-Line Sockets – Right Angle Mount Closed Frame

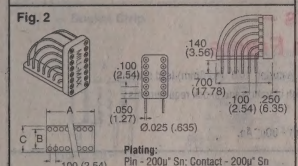
- For components to be mounted perpendicularly to the PCB, such as LED displays.
- Horizontal mount solder tails are available with either .300" (7.62mm) [standard] or .100" (2.54mm) row spacing.

Fig. 1



Plating:
Sleeve (Pin) - 200µ" Sn.
Contact (Clip) - 30µ" Au.

Fig. 2

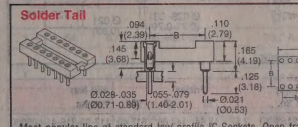


Plating:
Pin - 200µ" Sn; Contact - 200µ" Sn

Fig.	No. of Pins	Dimensions – Inch (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Mill-Max Part No.
	6	0.3 (7.62)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58407-ND	5.47	3.80	3.07	2.63	2.19	299-93-306-10-001000
	8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58408-ND	4.25	2.95	2.38	2.04	1.70	299-93-308-10-001000
	10	0.5 (12.70)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58409-ND	5.19	3.61	2.91	2.50	2.08	299-93-310-10-001000
	12	0.6 (15.24)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58410-ND	6.14	4.26	3.44	2.95	2.46	299-93-312-10-001000
1	14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58411-ND	6.64	4.61	3.72	3.19	2.66	299-93-314-10-001000
	16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58412-ND	8.04	5.58	4.51	3.86	3.22	299-93-316-10-001000
	18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58413-ND	8.99	6.24	5.04	4.32	3.60	299-93-318-10-001000
	20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58414-ND	9.56	6.63	5.36	4.59	3.83	299-93-320-10-001000
	24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	0.3 (7.62)	ED58415-ND	11.38	7.90	6.38	5.47	4.56	299-93-324-10-001000
	8	0.4 (10.16)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58416-ND	4.86	3.37	2.73	2.34	1.95	299-93-608-10-002000
	10	0.5 (12.70)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58417-ND	5.96	4.14	3.34	2.87	2.39	299-93-610-10-002000
	12	0.6 (15.24)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58418-ND	7.07	4.90	3.96	3.40	2.83	299-93-612-10-002000
	14	0.7 (17.78)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58419-ND	8.17	5.67	4.58	3.93	3.27	299-93-614-10-002000
	16	0.8 (20.30)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58420-ND	9.27	6.43	5.20	4.46	3.71	299-93-616-10-002000
	18	0.9 (22.86)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58421-ND	10.37	7.20	5.81	4.98	4.15	299-93-618-10-002000
	20	1.0 (25.40)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58422-ND	11.03	7.65	6.18	5.30	4.42	299-93-620-10-002000
1	22	1.1 (27.94)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58423-ND	12.09	8.39	6.78	5.81	4.84	299-93-622-10-002000
	24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58424-ND	13.15	9.12	7.37	6.32	5.26	299-93-624-10-002000
	26	1.3 (33.02)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58425-ND	14.21	9.86	7.96	6.83	5.69	299-93-626-10-002000
	28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58426-ND	15.27	10.59	8.56	7.33	6.11	299-93-628-10-002000
	30	1.5 (38.10)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58427-ND	16.33	11.32	9.15	7.84	6.54	299-93-630-10-002000
	32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58428-ND	17.39	12.06	9.74	8.35	6.96	299-93-632-10-002000
	36	1.8 (45.72)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58429-ND	19.50	13.53	10.93	9.37	7.81	299-93-636-10-002000
	40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	0.3 (7.62)	ED58430-ND	20.74	14.38	11.62	9.96	8.30	299-93-640-10-002000
	6	0.3 (7.62)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58431-ND	5.36	3.72	3.00	2.58	2.15	299-93-306-11-001000
	8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58432-ND	4.11	2.85	2.30	1.98	1.65	299-93-308-11-001000
	10	0.5 (12.70)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58433-ND	5.02	3.49	2.82	2.42	2.01	299-93-310-11-001000
	12	0.6 (15.24)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58434-ND	5.94	4.12	3.33	2.85	2.38	299-93-312-11-001000
1	14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58435-ND	6.85	4.75	3.84	3.29	2.74	299-93-314-11-001000
	16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58436-ND	7.76	5.39	4.35	3.73	3.11	299-93-316-11-001000
	18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58437-ND	8.68	6.02	4.86	4.17	3.48	299-93-318-11-001000
	20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58438-ND	9.23	6.40	5.17	4.43	3.69	299-93-320-11-001000
	24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	0.1 (2.54)	ED58439-ND	10.98	7.62	6.15	5.28	4.40	299-93-324-11-001000
2	10	0.5 (12.70)	0.2 (5.08)	0.3 (7.62)	—	ED7800-ND	10.50	7.29	5.89	5.05	4.21	299-99-210-12-001800

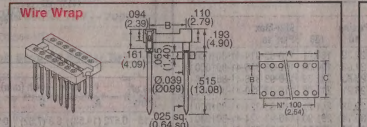
Dual-In-Line Sockets – Open Frame (Screw Machined)

Solder Tail



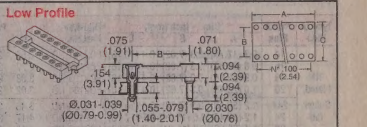
Most popular line of standard low profile IC-Sockets. Open frame design leaves space beneath IC for improved heat dissipation, easier PCB cleaning and inspection. **Insertion Characteristics:** 4-finger standard **Plating: For ED3308-ED3964:** Sleeve (Pin) – 200µ" Sn. Contact (Clip) – 30µ" Au. **For ED3108-ED3764:** Sleeve (Pin) – 200µ" Sn. Contact (Clip) –150µ" Sn. **For ED56083-ED56646:** Sleeve (Pin) – 10µ" Au. Contact (Clip) – 30µ" Au.

Wire Wrap



Solderless wire wrap terminals are firmly locked in the insulator body to withstand torque of wrapping tool. Length of terminal for three-level wrapping. **Insertion Characteristics:** 4-finger standard **Plating: For ED4308-ED4964:** Sleeve (Pin – 200µ" Sn. Contact (Clip) – 30µ" Au. **For ED57083-ED57406:** Sleeve (Pin) – 10µ" Au. Contact (Clip) – 30µ" Au.

Low Profile



"Ultra low profile" Dual-in-line sockets are equipped with specially designed contacts allowing .095" (2.41mm) height above PCB. Special short contact requires .075" (1.91mm) insertion depth only. Solder tail diameter .030" (.76mm). **Insertion Characteristics:** 4-finger short contact. **Plating:** Sleeve (Pin) – 200µ" Sn. Contact (Clip) – 30µ" Au.

No. of Pins	Dimensions – Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	500	Mill-Max Part No.
Solder Tail (Gold)									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED3308-ND	.48	.34	.27	.24	110-93-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED3314-ND	.84	.59	.48	.41	110-93-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED3316-ND	.96	.67	.54	.47	110-93-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED3318-ND	1.08	.75	.61	.52	110-93-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED3320-ND	1.20	.84	.68	.58	110-93-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED3324-ND	1.44	1.00	.81	.70	110-93-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED3328-ND	1.68	1.17	.95	.81	110-93-328-41-001000
22	1.1 (27.94)	0.4 (10.16)	0.5 (12.70)	ED3422-ND	1.32	.92	.74	.64	110-93-422-41-001000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED3424-ND	1.44	1.00	.81	.70	110-93-424-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED3624-ND	1.44	1.00	.81	.70	110-93-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED3628-ND	1.68	1.17	.95	.81	110-93-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED3632-ND	1.92	1.34	1.08	.93	110-93-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED3640-ND	2.40	1.67	1.35	1.16	110-93-640-41-001000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED3648-ND	2.88	2.00	1.62	1.39	110-93-648-41-001000
50	2.5 (63.50)	0.9 (22.86)	1.0 (25.40)	ED3950-ND	3.00	2.08	1.68	1.44	110-93-950-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED3964-ND	3.84	2.67	2.16	1.85	110-93-964-41-001000
Solder Tail (Gold), RoHS Compliant									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED90032-ND	.53	.37	.30	.26	110-43-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED90033-ND	.92	.64	.52	.45	110-43-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED90034-ND	1.06	.74	.60	.51	110-43-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED90035-ND	1.19	.83	.67	.58	110-43-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED90036-ND	1.32	.92	.74	.64	110-43-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED90037-ND	1.58	1.10	.89	.76	110-43-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED90038-ND	1.85	1.29	1.04	.89	110-43-328-41-001000
22	1.1 (27.94)	0.4 (10.16)	0.5 (12.70)	ED90039-ND	1.45	1.01	.82	.70	110-43-422-41-001000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED90040-ND	1.58	1.10	.89	.76	110-43-424-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED90041-ND	1.58	1.10	.89	.76	110-43-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED90042-ND	1.85	1.29	1.04	.89	110-43-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED90043-ND	2.11	1.47	1.19	1.02	110-43-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED90044-ND	2.64	1.83	1.48	1.27	110-43-640-41-001000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED90045-ND	3.17	2.20	1.78	1.53	110-43-648-41-001000
50	2.5 (63.50)	0.9 (22.86)	1.0 (25.40)	ED90046-ND	3.30	2.29	1.85	1.59	110-43-950-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED90047-ND	4.22	2.93	2.37	2.03	110-43-964-41-001000
Solder Tail (Gold)									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED56083-ND	.71	.50	.40	.35	110-13-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED56143-ND	1.25	.87	.70	.60	110-13-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED56163-ND	1.42	.99	.80	.69	110-13-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED56183-ND	1.60	1.11	.90	.77	110-13-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED56203-ND	1.78	1.24	1.00	.86	110-13-320-41-001000

No. of Pins	Dimensions – Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	500	Mill-Max Part No.
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED56243-ND	2.13	1.48	1.20	1.03	110-13-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED56283-ND	2.49	1.73	1.40	1.20	110-13-328-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED56246-ND	2.13	1.48	1.20	1.03	110-13-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED56286-ND	2.49	1.73	1.40	1.20	110-13-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED56326-ND	2.84	1.98	1.60	1.37	110-13-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED56406-ND	3.56	2.47	2.00	1.71	110-13-640-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED56646-ND	5.69	3.95	3.19	2.74	110-13-964-41-001000
Solder Tail (Tin)									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED3108-ND	.36	.25	.21	.18	110-99-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED3114-ND	.63	.44	.36	.31	110-99-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED3116-ND	.72	.50	.41	.35	110-99-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED3118-ND	.81	.57	.46	.39	110-99-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED3120-ND	.90	.63	.51	.44	110-99-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED3124-ND	1.08	.75	.61	.52	110-99-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED3128-ND	1.26	.88	.71	.61	110-99-328-41-001000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED3524-ND	1.08	.75	.61	.52	110-99-424-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED3724-ND	1.08	.75	.61	.52	110-99-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED3728-ND	1.26	.88	.71	.61	110-99-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED3732-ND	1.44	1.00	.81	.70	110-99-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED3740-ND	1.80	1.25	1.01	.87	110-99-640-41-001000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED3748-ND	2.16	1.50	1.21	1.04	110-99-648-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED3764-ND	2.88	2.00	1.62	1.39	110-99-964-41-001000
Solder Tail (Tin), RoHS Compliant									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED90048-ND	.40	.28	.23	.20	110-44-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED90049-ND	.69	.49	.39	.34	110-44-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED90050-ND	.79	.55	.45	.38	110-44-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED90051-ND	.89	.62	.50	.43	110-44-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED90052-ND	.99	.69	.56	.48	110-44-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED90053-ND	1.19	.83	.67	.58	110-44-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED90054-ND	1.39	.97	.78	.67	110-44-328-41-001000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED90055-ND	1.19	.83	.67	.58	110-44-424-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED90056-ND	1.19	.83	.67	.58	110-44-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED90057-ND	1.39	.97	.78	.67	110-44-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED90058-ND	1.58	1.10	.89	.76	110-44-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED90059-ND	1.98	1.38	1.11	.96	110-44-640-41-001000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED90060-ND	2.38	1.65	1.34	1.15	110-44-648-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED90061-ND	3.17	2.20	1.78	1.53	110-44-964-41-001000
Wire Wrap									
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED4308-ND	1.55	1.08	.87	.75	123-93-308-41-001000

(Continued)

Dual-In-Line Sockets – Open Frame (Screw Machined) (Cont.)

No. of Pins	Dimensions – Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	500	Mill-Max Part No.
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED4314-ND	2.72	1.89	1.53	1.31	123-93-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED4316-ND	3.11	2.16	1.74	1.50	123-93-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED4318-ND	3.49	2.43	1.96	1.68	123-93-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED4320-ND	3.73	2.59	2.09	1.79	123-93-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED4324-ND	4.92	3.42	2.76	2.37	123-93-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED4328-ND	5.67	3.93	3.18	2.72	123-93-328-41-001000
22	1.1 (27.94)	0.4 (10.16)	0.5 (12.70)	ED4422-ND	4.55	3.16	2.55	2.19	123-93-422-41-001000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED4424-ND	4.92	3.42	2.76	2.37	123-93-424-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED4624-ND	4.92	3.42	2.76	2.37	123-93-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED4628-ND	5.67	3.93	3.18	2.72	123-93-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED4632-ND	6.41	4.45	3.60	3.08	123-93-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED4640-ND	7.14	4.95	4.00	3.43	123-93-640-41-001000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED4648-ND	9.02	6.26	5.06	4.33	123-93-648-41-001000
50	2.5 (63.50)	0.9 (22.86)	1.0 (25.40)	ED4950-ND	9.38	6.51	5.26	4.51	123-93-950-41-001000
64	3.2 (81.28)	0.9 (22.86)	1.0 (25.40)	ED4964-ND	11.88	8.24	6.66	5.71	123-93-964-41-001000
				Wire Wrap					
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED57083-ND	2.06	1.43	1.16	.99	123-13-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED57143-ND	3.59	2.50	2.02	1.73	123-13-314-41-001000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED57163-ND	4.10	2.85	2.30	1.97	123-13-316-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED57203-ND	5.37	3.73	3.01	2.58	123-13-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED57243-ND	6.36	4.41	3.57	3.06	123-13-324-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED57246-ND	6.36	4.41	3.57	3.06	123-13-624-41-001000
28	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED57286-ND	7.34	5.10	4.12	3.53	123-13-628-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED57406-ND	9.89	6.86	5.54	4.75	123-13-640-41-001000
				Low Profile					
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED5308-ND	.92	.64	.52	.45	115-93-308-41-003000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED5314-ND	1.54	1.07	.87	.74	115-93-314-41-003000
16	0.8 (20.30)	0.3 (7.62)	0.4 (10.16)	ED5316-ND	1.76	1.22	.99	.85	115-93-316-41-003000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED5318-ND	1.98	1.38	1.11	.96	115-93-318-41-003000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED5320-ND	2.12	1.48	1.19	1.02	115-93-320-41-003000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED5324-ND	2.66	1.85	1.49	1.28	115-93-324-41-003000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED5328-ND	2.97	2.07	1.67	1.43	115-93-328-41-003000
22	1.1 (27.94)	0.4 (10.16)	0.5 (12.70)	ED5422-ND	2.45	1.70	1.38	1.18	115-93-422-41-003000
24	1.2 (30.48)	0.4 (10.16)	0.5 (12.70)	ED5424-ND	2.66	1.85	1.49	1.28	115-93-424-41-003000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED5624-ND	2.55	1.77	1.43	1.23	115-93-624-41-003000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED5628-ND	2.97	2.07	1.67	1.43	115-93-628-41-003000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED5632-ND	3.51	2.44	1.97	1.69	115-93-632-41-003000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED5640-ND	4.25	2.95	2.38	2.04	115-93-640-41-003000
48	2.4 (60.96)	0.6 (15.24)	0.7 (17.78)	ED5648-ND	5.21	3.62	2.92	2.51	115-93-648-41-003000

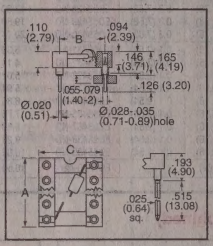
IC Sockets

With Integral Decoupling Capacitor Machine Screw Contact

Special Features/Applications:

• To eliminate noise at the source before it can reach the chip • Advantages for uses such as high speed logic and memory applications • To eliminate long leads as potential sources of noise because capacitor leads are connected directly to the ground and voltage pin of the socket • To save minimum of 12% on board space

Technical Data: • Insulator body material: glass filled polyester UL94V0 • Pin: screw machined Socket with integral glass encapsulated ceramic capacitor 0.1µF, 50VDC



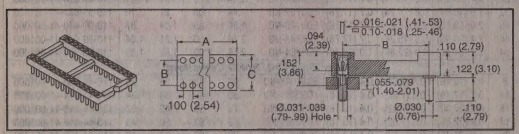
Type of Pins	No. of Pins	Dim. – Inch (mm) A	B	C	Digi-Key Part No.	Pricing 1	10	100	Mill-Max Part No.
Tin Plated,	14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED2101-ND	2.58	22.39	180.81	110-93-314-41-801000
	16	0.8 (20.32)	0.3 (7.62)	0.4 (10.16)	ED2102-ND	2.77	24.02	194.04	110-93-316-41-801000
	18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED2103-ND	3.33	28.83	232.89	110-93-318-41-801000
	20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED2104-ND	3.02	26.21	211.68	110-93-320-41-801000
Solder Tab	24#	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED2106-ND	3.45	29.93	241.71	110-93-324-41-801000
	24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED2105-ND	4.17	36.14	291.90	110-93-624-41-801000
	28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED2107-ND	4.12	35.70	288.33	110-93-628-41-801000
	40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED2108-ND	5.18	44.85	362.25	110-93-640-41-801000
Gold Plated,	14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED2109-ND	3.06	26.49	213.99	110-13-314-41-801000
	16	0.8 (20.32)	0.3 (7.62)	0.4 (10.16)	ED2110-ND	3.71	32.11	259.35	110-13-316-41-801000
	18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED2111-ND	3.93	34.09	275.31	110-13-318-41-801000
	20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED2112-ND	3.71	32.14	259.56	110-13-320-41-801000
Solder Tab	24#	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED2114-ND	4.64	40.20	324.66	110-13-324-41-801000
	24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED2113-ND	4.99	43.21	349.02	110-13-624-41-801000
	28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED2115-ND	5.40	46.80	378.00	110-13-628-41-801000
	40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED2116-ND	6.26	54.39	439.32	110-13-640-41-801000
3-Level Tin Plated	14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED2117-ND	4.64	40.17	324.45	123-93-314-41-801000
	16	0.8 (20.32)	0.3 (7.62)	0.4 (10.16)	ED2118-ND	5.08	44.04	355.74	123-93-316-41-801000
	18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED2119-ND	5.47	47.40	382.83	123-93-318-41-801000
	20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED2120-ND	5.69	49.35	398.58	123-93-320-41-801000
Wire-Wrap	24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED2121-ND	6.53	56.60	457.17	123-93-624-41-801000
	28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED2122-ND	7.69	66.64	538.23	123-93-628-41-801000
	40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED2123-ND	9.53	82.58	666.96	123-93-640-41-801000

With .300" (7.62mm) Contact Row Spacing.

Dual-In-Line Sockets – Low Profile Open Frame

• Dip Sockets with reduced height; only .122" (3.10mm) above PCB. • Hi-Rel, 4-finger #30 clip.

Plating: Sleeve (Pin) – 200µ" Sn.; Contact (Clip) – 30µ" Au.



No. of Pins	Dim. – Inch (mm) A	B	C	Digi-Key Part No.	Pricing 1	10	100	500	Mill-Max Part No.
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED58083-ND	.77	6.55	53.55	197.54	115-93-308-41-001000
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED58143-ND	1.29	10.95	89.55	330.34	115-93-314-41-001000
16	0.8 (20.32)	0.3 (7.62)	0.4 (10.16)	ED58163-ND	1.48	12.49	102.15	376.82	115-93-316-41-001000
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED58183-ND	1.86	14.08	115.20	424.96	115-93-318-41-001000
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED58203-ND	1.78	15.07	123.30	454.84	115-93-320-41-001000
24	1.2 (30.48)	0.3 (7.62)	0.4 (10.16)	ED58243-ND	2.24	18.92	154.80	571.04	115-93-324-41-001000
28	1.4 (35.56)	0.3 (7.62)	0.4 (10.16)	ED58283-ND	2.50	21.12	172.80	637.44	115-93-328-41-001000
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED58246-ND	2.24	18.92	154.80	571.04	115-93-624-41-001000
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED58286-ND	2.50	21.12	172.80	637.44	115-93-628-41-001000
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED58326-ND	2.95	24.94	204.08	752.81	115-93-632-41-001000
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED58406-ND	3.57	30.17	246.83	910.51	115-93-640-41-001000

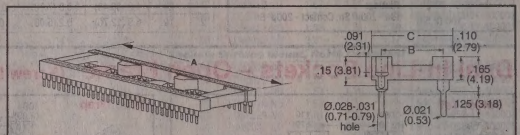
Shrink Dip Sockets – Solder Tail – Open Frame

• High density Dual-in-Line Sockets for devices featuring .070" (1.78mm) lead spacing.

• Four-finger beryllium copper contacts meet high vibration and shock requirements.

Insertion Characteristics: 4-finger standard.

Plating: Sleeve (Pin) – 200µ" Sn.; Contact (Clip) – 30µ" Au.



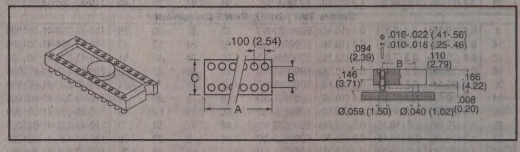
No. of Pins	Dim. – Inch (mm) A	B	C	Digi-Key Part No.	Pricing 1	10	100	500	Mill-Max Part No.
16	0.572 (14.53)	0.3 (7.62)	0.39 (9.91)	ED22163-ND	2.57	17.84	144.06	617.40	117-93-316-41-005000
28	0.992 (25.20)	0.4 (10.16)	0.49 (12.45)	ED22284-ND	4.01	27.82	224.70	963.00	117-93-428-41-005000
30	1.062 (26.97)	0.4 (10.16)	0.49 (12.45)	ED22304-ND	4.27	29.61	239.19	1025.10	117-93-430-41-005000
48	1.692 (42.98)	0.4 (10.16)	0.49 (12.45)	ED22484-ND	6.31	43.73	353.22	1513.80	117-93-448-41-005000
20	0.712 (18.08)	0.6 (15.24)	0.69 (17.53)	ED22206-ND	3.00	20.77	167.79	719.10	117-93-620-41-005000
28	0.992 (25.20)	0.6 (15.24)	0.69 (17.53)	ED22286-ND	4.01	27.82	224.70	963.00	117-93-628-41-005000
40	1.412 (35.86)	0.6 (15.24)	0.69 (17.53)	ED22406-ND	5.33	36.97	298.62	1279.80	117-93-640-41-005000
42	1.482 (37.64)	0.6 (15.24)	0.69 (17.53)	ED22426-ND	5.58	38.66	312.27	1338.30	117-93-642-41-005000
48	1.692 (42.98)	0.6 (15.24)	0.69 (17.53)	ED22486-ND	6.31	43.73	353.22	1513.80	117-93-648-41-005000
52	1.832 (46.53)	0.6 (15.24)	0.69 (17.53)	ED22526-ND	6.80	47.14	380.73	1631.70	117-93-652-41-005000
56	1.972 (50.09)	0.6 (15.24)	0.69 (17.53)	ED22566-ND	7.29	50.52	408.03	1748.70	117-93-656-41-005000
64	2.252 (57.20)	0.6 (15.24)	0.69 (17.53)	ED22646-ND	8.26	57.28	462.63	1982.70	117-93-664-41-005000
64	2.252 (57.20)	0.75 (19.05)	0.84 (21.34)	ED22647-ND	7.81	54.16	437.43	1874.70	117-93-764-41-005000
68	2.392 (60.76)	0.6 (15.24)	0.69 (17.53)	ED22686-ND	8.75	60.66	489.93	2099.70	117-93-668-41-005000

Dual-In-Line Sockets – Surface Mount, Stub Tail, Closed Frame

• Closed frame insulator is vision system compatible.

• High-temp Nylon 46, suitable for infra-red and vapor phase soldering.

Plating: Sleeve (Pin) – 200µ" Sn.; Contact (Clip) – 200µ" Sn.



No. of Pins	Dim. – Inch (mm) A	B	C	Digi-Key Part No.	Pricing 1	10	100	500	1,000	Mill-Max Part No.
				Vacuum Pads Top Surface Only						
8	0.4 (10.16)	0.3 (7.62)	0.4 (10.16)	ED2126-ND	.68	5.93	47.88	205.20	342.00	214-99-308-01-670800
14	0.7 (17.78)	0.3 (7.62)	0.4 (10.16)	ED2129-ND	1.20	10.37	83.79	359.10	598.50	214-99-314-01-670800
16	0.8 (20.32)	0.3 (7.62)	0.4 (10.16)	ED2130-ND	1.37	11.86	95.76	410.40	684.00	214-99-316-01-670800
18	0.9 (22.86)	0.3 (7.62)	0.4 (10.16)	ED2131-ND	1.54	13.34	107.73	461.70	769.50	214-99-318-01-670800
20	1.0 (25.40)	0.3 (7.62)	0.4 (10.16)	ED2132-ND	2.00	17.34	140.07	600.30	1000.50	214-99-320-01-670800
				Vacuum Pads Top and Bottom						
24	1.2 (30.48)	0.6 (15.24)	0.7 (17.78)	ED2133-ND	1.97	17.06	137.76	590.40	984.00	214-99-624-01-670800
28	1.4 (35.56)	0.6 (15.24)	0.7 (17.78)	ED2134-ND	2.30	19.92	160.86	689.40	1149.00	214-99-628-01-670800
32	1.6 (40.64)	0.6 (15.24)	0.7 (17.78)	ED2135-ND	2.63	22.78	183.96	788.40	1314.00	214-99-632-01-670800
40	2.0 (50.80)	0.6 (15.24)	0.7 (17.78)	ED2136-ND	3.15	27.27	220.29	944.10	1573.50	214-99-640-01-670800

Single In-Line Strip Sockets — Solder Tail and Solderless

MATERIALS:
• **Insulator Body:** Glass filled thermoplastic polyester, self-extinguishing rated UL 94V-O, color black; resistant against detergents, mineral acids, solvents, greases and oils (short time) • **Receptacle (sleeve):** Screw machined brass, plated 200µ" tin-lead • **Pin:** Screw machined brass with 10µ" gold plating • **Contact:** Stamped beryllium-copper, plated 30µ" gold • **Mechanical Life:** 100 cycles minimum
ELECTRICAL DATA: • **Rated Current:** 1A (Series 7000, 7400); 3A (7100, 7200, 7500, 7600) • **Rated Voltage:** 100 VRMS/150VDC • **Contact Resistance:** 10mΩ maximum • **Insulation Resistance:** 10,000MΩ minimum • **Dielectric Strength:** 1000 VRMS minimum • **Maximum Capacitance:** .8pF (Series 7000, 7400); 1pF (Series 7100, 7200, 7500, 7600) **ENVIRONMENTAL DATA:** • **Operating Temperature Range:** -55°C - 125°C • **Vibration:** 10-2000 Hz, 15g. • **Shock (no elect. discontinuity greater than 1µs):** 150g. • **Solderability:** IEC 68-2-20 Ta. • **Resistance to Soldering Heat:** IEC 68-2-20, 260°C, 5s • **Resistance to Atmosphere Corrosion:** IEC 68-2-42 & 43.

Fig. 1 — Standard Solder Tail

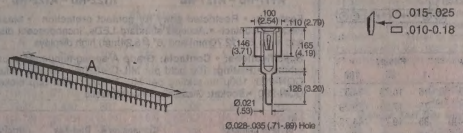


Fig. 2 — Low Profile Socket

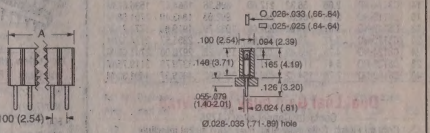


Fig. 3 — Socket Strip

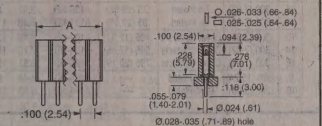


Fig. 4 — Low Profile Pin Header

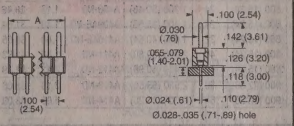


Fig. 5 — Pin Header Strip

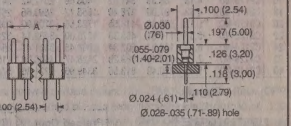


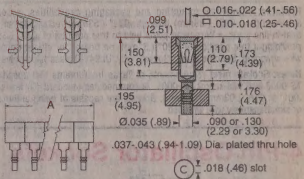
Fig.	No. of Pins	Dimension A Inch (mm)	Plating Sleeve/Pin	Plating Clip	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing 100	Mill-Max Part No.
					Strip Sockets Solder Tail — 7000 Series				
1	64	6.4 (162.56)	200µ" Sn	30µ" Au	ED7064-ND	2.92	26.11	215.04	310-93-164-41-001000
					Single Row Socket, Straight Solder Tail — Series 7400				
1	64	6.4 (162.56)	10µ" Au	30µ" Au	ED7464-ND	5.71	51.05	420.42	310-13-164-41-001000
					Single Row, Low Profile Socket — Series 7600				
2	36	3.6 (91.44)	200µ" Sn	30µ" Au	ED7636-ND	4.24	37.89	312.06	801-93-036-10-012000
					Single Row Pin Socket, Straight Solder Tail — 7100 Series				
3	50	5.0 (127.00)	200µ" Sn	30µ" Au	ED7150-ND	6.19	55.36	455.91	801-93-050-10-001000
					Single Row, Low Profile Pin Header — Series 7500				
4	64	6.4 (162.56)	10µ" Au	—	ED7564-ND	7.11	63.62	523.95	800-10-064-10-002000
					Single Row Pin Header, Straight Solder Tail — 7200 Series				
5	64	6.4 (162.56)	10µ" Au	—	ED7264-ND	7.35	65.74	541.38	800-10-064-10-001000

Digi-Key Part No.	Base Price	Pin Adder
7000 Series		
ED70XX-ND	.83	.03
7400 Series		
ED74XX-ND	1.29	.04
7600 Series		
ED76XX-ND	1.40	.07
7100 Series		
ED71XX-ND	1.65	.08
7500 Series		
ED75XX-ND	1.83	.07
7200 Series		
ED72XX-ND	1.96	.07

Single In-Line Strip Sockets — Solderless Press Fit, Compliant Tail

FEATURES:
Unique compliant tail pins conforms to .040" ±.003" (1.02mm ±08mm) finished hole diameter without stressing inner layers.

APPLICATION OF COMPLIANT TAIL PINS:
Mill-Max's patented (Patent No. 4,799,904) compliant tail features precision machined pins that are hollow and slotted to conform to a .040" ±.003" (1.02mm ±08mm) diameter PTH. As the pin is inserted, the slot compresses to fit the PTH, thus avoiding damage (see illustration). The pin's tail has fine serrations that form a perfect "gas tight" connection that doesn't require soldering, and since the pin doesn't damage the hole, compliant tail sockets and connectors can be easily replaced.



No. of Pins	Dim. A Inch (mm)	Plating Sleeve/Pin	Plating Clip	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing 100	Mill-Max Part No.
64	6.4" (162.56)	200µ" Sn	30µ" Au	ED7364-ND	7.69	68.80	566.58	346-93-164-41-013000

Digi-Key Part No.	Base Price	Pin Adder
ED73XX-ND	2.42	.07

HOW TO ORDER — 4 EASY STEPS

How do I order an ED7064 header with 64 pins?
Call Digi-Key where you'll happily receive the price.
or Determine the cost yourself

ED□□□□□ - ND
Series — Number of Desired Pins

How to Order — In 4 Easy Steps	*Our Example*	*Your Digi-Key Part Number*
Step 1. Select needed "Digi-Key Part Number" and number of pins desired	ED7064-ND	ED_____-ND
Step 2. Begin with appropriate "Base Price" of your selected Part Number (refer to chart)	.83	_____
Step 3. Multiply the number of pins you desire by "Pin Adder" of your selected Part Number (refer to chart)	64 x .03 = 1.92	__ x __ = ____
Step 4. Add Step 2 & Step 3 together for Final Cost!	Your Cost = $2.75	Your Cost = $___

Note: **For quantities of 10 or more, call Digi-Key.**

ARIES® ELECTRONICS, INC.

I.C. Sockets

Dual Leaf Tin Plated Wire Wrap

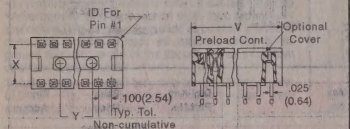
Contacts: Phosphor bronze CA510
Contact Finish: Tin plating 200µ" minimum

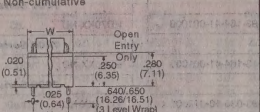
No. of Pins	Digi-Key Part No.	Pricing 1	25	100	500	1,000	2,500
8	C8108-ND	1.89	39.88	154.12	634.63	1178.60	1087.94/M
14	C8114-ND	2.66	56.32	217.69	896.36	1664.67	1536.62/M
16	C8116-ND	2.95	62.37	241.07	992.65	1843.49	1701.68/M
18	C8118-ND	3.07	64.96	251.06	1033.79	1919.89	1772.21/M
20	C8120-ND	3.77	79.70	308.04	1268.38	2355.57	2174.37/M
24	C8124-ND	4.75	100.49	388.39	1599.26	2970.06	2741.60/M
28	C8126-ND	5.41	114.35	441.96	1819.85	3379.73	3119.75/M
40	C8140-ND	7.78	164.62	636.27	2619.92	4865.57	4491.30/M

Dual Leaf Gold Inlay Wire Wrap

Contacts: Copper alloy CA725
Contact Finish: Gold inlay 50µ" over 50µ" nickel interliner

No. of Pins	Digi-Key Part No.	Pricing 1	25	100	500	1,000	2,500
8	C9108-ND	2.21	46.81	180.91	744.92	1383.43	1277.02/M
14	C9114-ND	3.65	77.11	298.04	1227.24	2279.16	2103.84/M
16	C9116-ND	4.18	88.39	341.62	1406.69	2612.42	2411.47/M
18	C9118-ND	4.63	97.90	378.40	1558.12	2893.66	2671.07/M
20	C9120-ND	5.12	108.30	418.58	1723.56	3200.90	2954.68/M
22	C9122-ND	5.57	117.81	455.36	1875.00	3482.14	3214.29/M
24	C9124-ND	6.14	129.97	502.34	2068.45	3841.41	3545.92/M
28	C9128-ND	7.21	152.46	589.29	2426.47	4506.30	4159.67/M
40	C9140-ND	9.95	210.49	813.56	3349.96	6221.36	5742.80/M



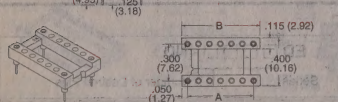


Pins	"V" ±.25 Inch (mm)	"W" Max. Inch (mm)	"X" ±.13 Inch (mm)	"Y" ±.25 Inch (mm)
8	.465 (11.81)	.400 (10.16)	.300 (7.62)	n/a
14	.765 (19.43)	.400 (10.16)	.300 (7.62)	.300 (7.62)
16	.865 (21.97)	.400 (10.16)	.300 (7.62)	.400 (10.16)
18	.965 (24.51)	.400 (10.16)	.300 (7.62)	.400 (10.16)
20	1.065 (27.05)	.400 (10.16)	.300 (7.62)	.400 (10.16)
22	1.180 (29.97)	.500 (12.70)	.400 (10.16)	.500 (12.70)
24	1.280 (32.51)	.700 (17.78)	.600 (15.24)	.500 (12.70)
28	1.480 (37.59)	.700 (17.78)	.600 (15.24)	.500 (12.70)
40	2.080 (52.83)	.700 (17.78)	.600 (15.24)	.600 (20.32)

Features: • Universal mounting and packaging capabilities • Contacts accommodate .015" (.38mm) through .021" (.53mm) rectangular or round dual-in-line leads • Wire wrap posts held to true position of .015" (.38mm), providing a true position of .020" (.51mm) on boards for efficient automatic wire wrapping **Specifications:** Socket Body: UL94V-0 glass-filled polyester

Notes: Sockets meet requirements of Texas Instruments test specification TS-0003 and test report TR-0001. Accommodates standard (C) leads up to .001" x .018" (.03mm x .46mm). Sockets are capable of being automatically or simultaneously wire wrapped.

4-Pin Oscillator Sockets

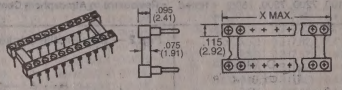


Specifications: • Socket Body: Blue UL94V-0 glass-filled polyester thermoplastic (PBT). • Pin Body Plating: 200µ minimum tin per MIL-T-10727 over 100µ minimum nickel per QQ-N-290 • Contact Plating: 10µ minimum gold per MIL-G-45204 over 50µ minimum nickel per QQN-290 • Contact Current Rating: 3A • Operating Temperature: 105°C • Insertion Force: 180 grams/pin; Withdrawal Force: 90 grams/pin; Normal Force: 140 grams/pin; based on a .018" (.46mm) diameter test lead • Accepts leads .015"-.025" (.38mm-.64mm) in diameter, .100"-.146" (2.54mm-3.71mm) in length

Size	Dimensions – Inch (mm) A	B	Digi-Key Part No.	Price Each 1	25	100	Aries Part No.
Full	.600 (15.24)	.700 (17.78)	A462-ND	.55	.47	.38	1107741
Half	.300 (7.62)	.400 (10.16)	A463-ND	.55	.47	.38	1108800

Open Frame Machine Pin Collet Sockets

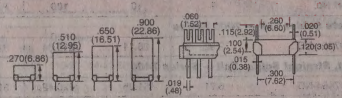
Specifications: • Contacts: Collet: Beryllium copper with 10µ" gold plating. Body: Brass • Collet accepts .014"-.022" (.38mm-.56mm) diameter round leads • Platform: Glass-filled thermoplastic, UL94V-0 • Compatible with automatic insertion equipment • Collet is 10µ" gold plated



Pin Centers Inch (mm)	No. of Pins	Dim. "X" Inch (mm)	Digi-Key Part No.	Pricing 1	25	100
.300 (7.62)	8	.400 (10.16)	A400-ND	.46	10.73	24.32
.300 (7.62)	14	.700 (17.78)	A401-ND	.75	17.33	39.29
.300 (7.62)	16	.800 (20.32)	A402AE-ND	.85	19.73	44.73
.300 (7.62)	18	.900 (22.86)	A403AE-ND	1.06	24.45	55.44
.300 (7.62)	20	1.000 (25.40)	A404AE-ND	.96	22.05	50.00
.300 (7.62)	24	1.200 (30.48)	A405-ND	1.20	27.60	62.59
.400 (10.16)	22	1.100 (27.97)	A406-ND	1.40	28.63	86.56
.400 (10.16)	24	1.200 (30.48)	A407-ND	1.59	32.57	98.47
.600 (15.24)	24	1.200 (30.48)	A408-ND	1.17	26.46	64.29
.600 (15.24)	28	1.400 (35.56)	A409AE-ND	1.40	31.64	76.87
.600 (15.24)	32	1.600 (40.64)	A410AE-ND	1.60	36.05	87.59
.600 (15.24)	40	2.000 (50.80)	A411-ND	1.86	41.93	101.87
.600 (15.24)	48	2.400 (60.96)	A412-ND	2.41	54.39	132.14
.900 (22.86)	50	2.500 (63.50)	A413-ND	3.18	65.08	196.77
.900 (22.86)	64	3.200 (81.28)	A414-ND	4.06	83.03	251.02

DIP Headers and Covers

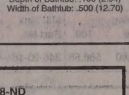
Order Headers and Covers Separately



No. of Pins	DIP Header Part No.	Pricing 1	25	100	Cover Selection Guide – Inch (mm) .27 (6.86)	.51 (12.95)	.65 (16.51)	.90 (22.86)
8	A101-ND	1.11	24.26	78.57	A105-ND	—	—	—
14	A102AE-ND	1.56	34.18	110.71	A106-ND	A107-ND	A108-ND	A109-ND
16	A103-ND	1.69	36.96	119.73	A110AE-ND	A111-ND	A112-ND	A113-ND
18	A133-ND	1.89	41.37	134.01	A137-ND	—	—	—
20	A104AE-ND	2.02	44.10	142.86	A114-ND	—	—	—
24	A134-ND*	2.47	54.02	175.00	A138-ND	A139-ND	—	—
28	A135-ND*	2.90	63.42	205.44	A140-ND	—	—	—
40	A136-ND*	3.83	83.79	271.43	A142-ND	—	—	—

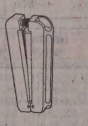
* .600 Pin Spacing

Cover Part Number	Pricing 1	25	100
A105-ND, A106-ND	.34	6.98	20.61
A107-ND - A111-ND	.37	7.59	22.39
A112-ND, A113-ND	.40	8.14	24.02
A114-ND	.43	8.74	25.80
A137-ND	.43	8.74	25.80
A138-ND	.45	9.60	27.57
A139-ND	.54	11.35	32.62
A140-ND	.60	12.59	36.17
A142-ND	.65	13.78	39.59



ARIES® ELECTRONICS, INC.

IC Pin Straightener



Dip Extractor

A998-ND
$29.65/1
$648.64/25

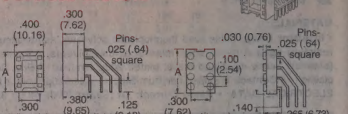
A999-ND
$4.67/1
$102.07/25

A998-ND Anti-Static IC Pin Straightener: Straighten IC legs with one squeeze. Fits .300" (7.62mm) ICs in one side of the tool and .600" (15.24mm) ICs in the other side of the tool. Brings leads into tolerance of .320" (8.13mm) or .620" (15.75mm), respectively.

Note: This tool does not straighten IC legs that are bent to such an extent that the pin-to-pin spacing is not .100" (2.54mm).

A999-ND Dip Extractor: An extremely handy, low-cost tool for removing ICs from dip sockets.

Vertisockets Vertical Mount



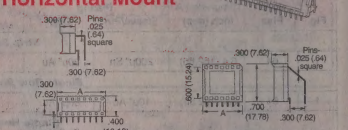
A117-ND – A121-ND **A122-ND – A125-ND**

Features: • Restricted entry for contact protection • Maximum electrical contact- • Accepts standard LEDs, incandescent displays and large .5" (12.70mm) and .6" (15.24mm) high displays

Specifications: • **Contacts:** Grade A spring-tempered phosphor bronze • **Plating:** 10µ gold per MIL-G-45204 over 50µ nickel per QQN-290; 100µ tin plating per MIL-T-10727 over 50µ nickel per QQN-290 • **Socket:** Glass-filled thermoplastic

No. of Pins	Pin Centers Inch (mm)	Description	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	25
8	.300 (7.62)	Gold Plated	.45 (11.43)	A117-ND	4.49	98.78
14	.300 (7.62)	Gold Plated	.75 (19.05)	A118-ND	5.33	117.26
16	.300 (7.62)	Gold Plated	.85 (21.59)	A119-ND	6.93	152.46
8	.600 (15.24)	Gold Plated	—	A466-ND	5.67	119.07
14	.300 (7.62)	Tin Plated	.75 (19.05)	A120-ND	3.97	87.23
16	.300 (7.62)	Tin Plated	.85 (21.59)	A121-ND	5.38	118.42
10	.300 (7.62)	Collet Contacts	.495 (12.57)	A122-ND	6.19	136.18
14	.300 (7.62)	Collet Contacts	.695 (17.65)	A124-ND	7.70	169.46
16	.300 (7.62)	Collet Contacts	.795 (20.19)	A125-ND	8.51	187.11
8	.600 (15.24)	Gold Plated	—	A464-ND	4.44	93.19
10	.200 (5.08)	Gold Plated	—	A465-ND	5.33	111.93

Vertisockets Horizontal Mount



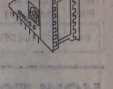
A126-ND – A129-ND **A130-ND – A132-ND**

Features: • Restricted entry for contact protection • Maximum electrical contact • Accepts standard LEDs, incandescent displays and large .5" (12.70mm) and .6" (15.24mm) high displays

Specifications: • **Contacts:** Grade A spring tempered phosphor bronze • **Plating:** 10µ gold per MIL-G-45204 over 50µ nickel per QQN-290; 100µ tin plating per MIL-T-10727 over 50µ nickel per QQN-290 • **Socket:** Glass-filled thermoplastic

No. of Pins	Pin Centers Inch (mm)	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1	25	100
8	.300 (7.62)	.45 (11.43)	A126-ND	3.70	81.46	251.87
14	.300 (7.62)	.75 (19.05)	A127-ND	4.52	99.33	307.14
16	.300 (7.62)	.85 (21.59)	A128-ND	4.91	108.02	334.01
20	.300 (7.62)	1.05 (26.67)	A129-ND	6.04	132.83	410.71
24	.600 (15.24)	1.25 (31.75)	A130-ND	9.29	204.44	632.14
28	.600 (15.24)	1.45 (36.83)	A131-ND	10.42	229.30	709.01
40	.600 (15.24)	2.05 (52.07)	A132-ND	13.57	298.60	923.30

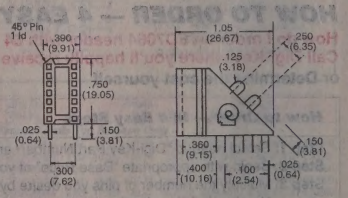
Vertical Socket



For displays on .300" (7.62mm) centers, 14 pin

These low-cost Vertisockets are recommended for high-volume vertical display mounting applications.

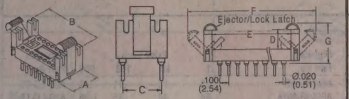
Available in tin-plated only



Digi-Key Part No.	Pricing 1	25	100	500	Aries Part No.
A116-ND	2.95	64.79	200.34	883.85	14-810-90R

ARIES®
ELECTRONICS, INC.

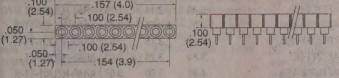
Lock / Eject DIP Sockets



No. of Pins	Dimensions Inches (mm) A	B	C	D	E	F	G
14	.400 (10.16)	.950 (24.16)	.300 (7.62)	.280 (7.11)	.770 (19.56)	1.300 (33.02)	.490 (12.45)
16	.400 (10.16)	1.050 (26.70)	.300 (7.62)	.280 (7.11)	.870 (22.10)	1.540 (39.12)	.490 (12.45)
24	.700 (17.78)	1.490 (37.85)	.600 (15.24)	.182 (4.62)	1.300 (33.02)	1.800 (45.72)	.460 (11.68)
28	.700 (17.78)	1.690 (42.90)	.600 (15.24)	.182 (4.62)	1.500 (38.10)	2.000 (50.80)	.460 (11.68)
32	.700 (17.78)	1.890 (48.00)	.600 (15.24)	.182 (4.62)	1.700 (43.18)	2.200 (55.88)	.460 (11.68)
40	.700 (17.78)	2.290 (58.20)	.600 (15.24)	.182 (4.62)	2.100 (53.34)	2.600 (66.04)	.460 (11.68)

No. of Pins	Fits Jumper Connectors, such as:	Digi-Key Part No.	Price Each 1	25	100	Aries Part No.
14	IC Packages	A514-ND	3.03	2.43	1.72	14-C280-10
16	IC Packages	A516-ND	3.28	2.63	1.87	16-C280-10
24	IC Packages	A524-ND	4.58	3.66	2.60	24-C182-10
28	IC Packages	A528-ND	4.85	3.88	2.75	28-C182-10
32	IC Packages	A532-ND	5.57	4.46	3.16	32-C182-10
40	IC Packages	A540-ND	7.06	5.65	4.00	40-C182-10

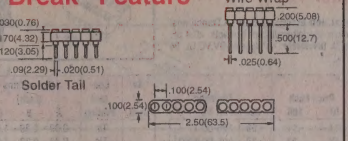
Series X518 Collet Sockets with Solder Tail Pins



Features: • Can be cut to the number of pins desired to fit the application • Side-to-side and end-to-end stackable **Specifications:** • Socket Body: Black UL94V-0 nylon 4/6 • Contact Current Rating: 3A • Operating Temperature: Tin plating: 221°F (105°C); Gold plating: 257°F (125°C) • Accepts leads .015"-.025" (.381mm-.635mm) in diameter, .100" (2.54mm) minimum in length **Mounting:** Suggested PCB hole: .030" ±.002" (.76mm ±.05mm) diameter

No. of Pins	Description	Digi-Key Part No.	Price Each 1	25	Aries Part No.
40	Tin Plated	A460-ND	2.20	1.85	40-0518-10
40	Gold Plated	A461-ND	3.24	2.72	40-0518-11

Pin-Line Sockets with "Break" Feature



Features: • Tin-plated Pin-Line sockets can be snapped apart into any number of pins without damage or loss of pins. • Pin-Line sockets are low profile and used for mounting devices with .100" (2.54mm) spacing between pins. • Rows of socket strips may be mounted on any centers or side-by-side for .100" (2.54mm) grid or matrix patterns. Strips also butt end-to-end and maintain .100" (2.54mm) spacing.

No. of Pins	Digi-Key Part No.	Price Each 1	25	100
Solder Tail Dip Socket with Screw Machined Pin				
25	A208-ND	2.31	2.04	1.58
Wire Wrap Socket with Screw Machined Pin				
25	A209-ND	5.41	4.70	3.56

Pin-Line SIP Headers

Fig. 1

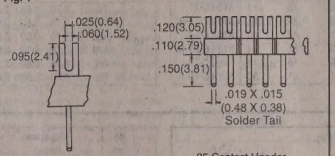
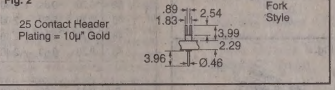


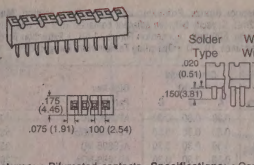
Fig. 2



Features: • Coined contacts • "Break" feature on Pin-Line headers assures headers can be easily snapped off to any number of positions without loss or damage to any pins. No tool is required. The "break" feature minimizes stocking problems and gives immediate adaptability for any length header requirement to any grid or matrix pattern.

Fig.	Digi-Key Part No.	Price Each 1	10	25	100	Aries Part No.
1	A115-ND	2.42	—	2.12	1.72	25-0600-10
2	A738-ND	7.61	5.78	—	4.26	25-0625-11

Strip Line SIP Sockets



Features: • Bifurcated contacts **Specifications:** • Contacts: Grade A spring temper phosphor bronze QQB-7500 • Plating: 100µ tin per MIL-T-10727 • Socket: Glass-filled thermoplastic

No. of Pins	Solder Tail Digi-Key Part No.	Price Each 1	25	100	Wire Wrap Digi-Key Part No.	Price Each 1	25	100
12	A200-ND	1.39	1.27	1.08	A204-ND	1.86	1.62	1.23
20	A201-ND	1.86	1.69	1.44	A205-ND	2.75	2.40	1.82
25	A202-ND	2.32	2.12	1.80	A206-ND	5.51	4.79	3.63
34	A203-ND	2.40	2.18	1.86	A207-ND	5.86	5.10	3.86

Quad Flat Pack (QFP) to PGA Adapters

Features:

- Adapters convert surface mount type (SMD) Quad Flat Pack (QFP) packages to standard pin grid array through-hole packages on .100" (2.54mm) pin spacing. This allows SMD QFP packages to be used in standard PGA and PGA ZIF sockets, which is extremely useful for testing.
- SMD QFP packages are typically less expensive and often more readily available than their through-hole PGA counterparts.
- Users do not have to redesign through-hole boards in order to utilize the advantages of the SMD QFP packages.

Fig. 1

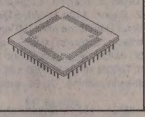


Fig. 2

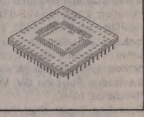
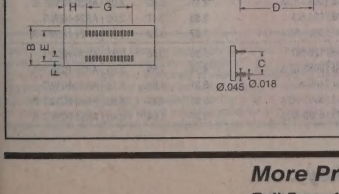


Fig.	Chip Type/ Mfg.	Pads No.	PGA No.	Pins/ Matrix	Digi-Key Part No.	Price Each 1	25	Aries Part No.
1	JEDEC	132	132	13x13	A174-ND	32.20	27.60	95-132I25
2	EIAJ	100	100	13x13	A175-ND	31.13	26.69	96-100M65
1	EIAJ	160	160	15x15	A176-ND	31.13	26.69	96-160M65
—	EIAJ	208	208	17x17	A722-ND	45.94	39.38	96-208M50

Surface Mount SOIC to DIP,SSOPto DIP, and SOJ to DIP Adapters

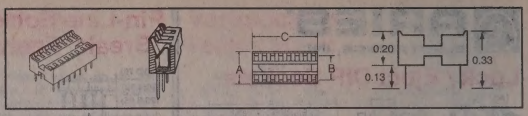
Specifications:

- **Board:** .062" (1.57mm) thick, double-sided FR-4, with 1 oz. copper traces
- **Pins:** Brass alloy 360, 1/2 hard
- **Plating:** 200µ" (5.08 µm) minimum 93/7 tin/lead per MIL-T-10727 Type 1 over 100µ" (2.54µm) minimumnickel per QQ-N-290
- **Mounting:** Suggested PCB hole: .028" (.71mm) diameter



No. of Pins	Type	Dimensions (Inches) A	B	C	D	E	F	G	H	Digi-Key Part No.	Price Each 1	25	100	Aries Part No.
8	SOIC	.400	.460	.300	.300	.455	.155	.150	.121	A724-ND	5.96	5.01	3.26	08-350000-10
14	SOIC	.700	.450	.300	.600	.420	.138	.300	.180	A725-ND	5.96	5.01	3.26	14-350000-10
14	SSOP	.700	.400	.300	.600	.340	.060	.154	—	A730-ND	26.83	22.54	14.65	14-351000-10
16	SOIC	.800	.450	.300	.700	.420	.138	.350	.180	A726-ND	5.96	5.01	3.26	16-350000-10
16	SSOP	.800	.400	.300	.700	.340	.060	.179	—	A731-ND	26.83	22.54	14.65	16-351000-10
18	SSOP	.900	.400	.300	.800	.340	.060	.205	—	A732-ND	23.86	20.04	13.03	18-351000-10
18	SOIC	.900	.450	.300	.800	.420	.138	.400	.180	A736-ND	5.87	5.04	4.59	18-350000-10
20	SOIC	1.000	.450	.300	.900	.420	.138	.450	.180	A727-ND	5.96	5.01	3.26	20-350000-10
20	SOJ	1.000	.420	.300	.900	.350	.090	.600	.060	A325-ND	6.27	5.38	4.89	20-350001-10
20	SSOP	1.000	.400	.300	.900	.340	.060	.230	—	A733-ND	26.83	22.54	14.65	20-351000-10
24	SOIC	1.200	.700	.600	1.100	.455	.150	.550	.180	A720-ND	9.92	8.34	5.42	24-650000-10
24	SOIC	1.200	.450	.300	1.100	.420	.138	.550	.180	A322-ND	4.17	3.58	3.26	24-350000-10
28	SOIC	1.400	.700	.600	1.300	.450	.075	.650	.375	A320-ND	9.83	8.43	7.67	28-650000-10
28	SOIC	1.400	.400	.300	1.300	.350	.090	.650	.375	A321-ND	6.27	5.38	4.89	28-350002-10
28	SSOP	1.400	.400	.300	1.300	.340	.060	.333	—	A734-ND	23.38	19.64	12.77	28-351000-10
28	SSOP	1.400	.700	.600	1.300	.340	.070	.333	—	A735-ND	37.21	31.26	20.32	28-651000-10
32	SOJ	1.600	.700	.600	1.500	.650	.200	.750	.425	A323-ND	10.35	8.87	8.08	32-650000-10
32	SOJ	1.600	.530	.400	1.500	.500	.090	.750	.425	A324-ND	9.10	7.80	7.10	32-450001-10
										NEW! RoHS Compliant NEW!				
8	SOIC	.400	.460	.300	.300	.455	.155	.150	.121	A744-ND	6.95	5.84	3.80	08-350000-11-RC
14	SOIC	.700	.450	.300	.600	.420	.138	.300	.180	A745-ND	6.95	5.84	3.80	14-350000-11-RC
14	SSOP	.700	.400	.300	.600	.340	.060	.154	—	A746-ND	22.20	18.65	12.13	14-351000-11-RC
16	SOIC	.800	.450	.300	.700	.420	.138	.350	.180	A747-ND	6.95	5.84	3.80	16-350000-11-RC
16	SSOP	.800	.400	.300	.700	.340	.060	.179	—	A748-ND	22.20	18.65	12.13	16-351000-11-RC
18	SSOP	.900	.400	.300	.800	.340	.060	.205	—	A749-ND	22.20	18.65	12.13	18-351000-11-RC
18	SOIC	.900	.450	.300	.800	.420	.138	.400	.180	A750-ND	6.95	5.84	3.80	18-350000-11-RC
20	SOIC	1.000	.450	.300	.900	.420	.138	.450	.180	A751-ND	6.95	5.84	3.80	20-350000-11-RC
20	SOJ	1.000	.420	.300	.900	.350	.090	.600	.060	A752-ND	18.58	15.61	10.16	20-350001-11-RC
20	SSOP	1.000	.400	.300	.900	.340	.060	.230	—	A753-ND	22.20	18.65	12.13	20-351000-11-RC
24	SOIC	1.200	.700	.600	1.100	.455	.150	.550	.180	A754-ND	10.65	8.95	5.82	24-650000-11-RC
24	SOIC	1.200	.450	.300	1.100	.420	.138	.550	.180	A755-ND	6.95	5.84	3.80	24-350000-11-RC
28	SOIC	1.400	.700	.600	1.300	.450	.075	.650	.375	A756-ND	15.25	12.81	8.33	28-650000-11-RC
28	SOIC	1.400	.400	.300	1.300	.350	.090	.650	.375	A757-ND	12.18	10.23	6.65	28-350002-11-RC
28	SSOP	1.400	.400	.300	1.300	.340	.060	.333	—	A758-ND	22.20	18.65	12.13	28-351000-11-RC
32	SOJ	1.600	.700	.600	1.500	.650	.200	.750	.425	A760-ND	15.25	12.81	8.33	32-650000-11-RC
32	SOJ	1.600	.530	.400	1.500	.500	.090	.750	.425	A761-ND	32.30	27.14	17.64	32-450001-11-RC

ASSMANN IC Sockets
Dual Wipe Solder Tail



Contacts: Phosphor Bronze. Protection against capillary version. **Mechanical and Electrical Data:** • Transitional Resistance: ≤12mΩ. Capacity between adjacent contacts: <0.9 pF. Capacity between opposite adjacent contacts: <0.4 pF. Breakdown Voltage: 600 Veff. • Insertion Force: ≤1.5N. • Extraction Force: ≥0.7N. **Insulators:** • Polyester GV,VO,UL 94 • Insulation Resistance: $10^{12}\Omega$. • **Operating Temperature Range:** -65°C ~ 150°C

A

No. of Cont.	Contact Plating	Dimensions (Inch) A	B	C	Digi-Key Part No.	Price Each 1	10	100	500	Assmann Part No.
6	Tin	0.39	0.30	0.30	AE8906-ND	.17	.14	.11	.08	A06-LC-TT
	Tin	0.39	0.30	0.30	AE1485-NDΔ	.59	.47	.38	.28	A06-LC-TT-R
	Gold	0.39	0.30	0.30	AE9806-ND	.33	.29	.23	.20	A06-LCG-T
	Gold	0.39	0.30	0.30	AE1486-NDΔ	1.26	1.10	.89	.76	A06-LCG-T-R
8	Tin	0.39	0.30	0.39	AE9986-NDΔ	.32	.26	.21	.15	A08-LC-TT-R
	Gold	0.39	0.30	0.39	AE9808-ND	.36	.32	.22	.18	A08-LCG-T
	Gold	0.39	0.30	0.39	AE9987-NDΔ	.48	.42	.34	.29	A08-LCG-T-R
	Tin	0.40	0.30	0.40	AE9841-ND†	.14	.12	.10	.07	A08-LC-TR
	Tin	0.40	0.30	0.40	AE9988-ND†Δ	.45	.36	.29	.21	A08-LC-TR-R
14	Tin	0.39	0.30	0.70	AE8914-ND	.17	.14	.12	.08	A14-LC-TT
	Tin	0.39	0.30	0.70	AE9989-NDΔ	.36	.29	.24	.17	A14-LC-TT-R
	Gold	0.39	0.30	0.70	AE9814-ND	.63	.56	.38	.31	A14-LCG-T
	Gold	0.39	0.30	0.70	AE9990-NDΔ	.57	.50	.40	.35	A14-LCG-T-R
	Tin	0.40	0.30	0.70	AE9991-ND†Δ	.45	.36	.29	.21	A14-LC-TR-R
16	Tin	0.39	0.30	0.80	AE8916-ND	.19	.16	.13	.10	A16-LC-TT
	Tin	0.39	0.30	0.80	AE9992-NDΔ	.41	.33	.27	.19	A16-LC-TT-R
	Gold	0.39	0.30	0.80	AE9816-ND	.72	.63	.44	.35	A16-LCG-T
	Gold	0.39	0.30	0.80	AE9993-NDΔ	.63	.55	.45	.38	A16-LCG-T-R
	Tin	0.40	0.30	0.80	AE9994-ND†Δ	.54	.44	.35	.26	A16-LC-TR-R
18	Tin	0.39	0.30	0.90	AE8918-ND	.22	.18	.15	.11	A18-LC-TT
	Tin	0.39	0.30	0.90	AE9995-NDΔ	.45	.36	.29	.21	A18-LC-TT-R
	Gold	0.39	0.30	0.90	AE9818-ND	.81	.71	.49	.40	A18-LCG-T
	Gold	0.39	0.30	0.90	AE9996-NDΔ	.72	.63	.51	.44	A18-LCG-T-R
	Tin	0.40	0.30	0.90	AE9844-ND†	.23	.19	.16	.11	A18-LC-TR
	Tin	0.40	0.30	0.90	AE9997-ND†Δ	.63	.51	.41	.30	A18-LC-TR-R
20	Tin	0.39	0.30	1.00	AE8920-ND	.18	.16	.11	.09	A20-LC-TT
	Tin	0.39	0.30	1.00	AE9998-NDΔ	.54	.44	.35	.26	A20-LC-TT-R
	Gold	0.40	0.30	1.00	AE9820-ND	.81	.71	.57	.49	A20-LCG
	Gold	0.40	0.30	1.00	AE9999-NDΔ	.78	.68	.55	.47	A20-LCG-T-R
	Tin	0.40	0.30	1.00	AE9845-ND†	.26	.21	.17	.13	A20-LC-TR
	Tin	0.40	0.30	1.00	AE10000-ND†Δ	.68	.54	.44	.32	A20-LC-TR-R
22	Tin	0.50	0.40	1.10	AE8922-ND	.49	.39	.32	.23	A22-LC-T2
	Gold	0.50	0.40	1.10	AE9822-ND	.89	.78	.63	.54	A22-LCG
24	Tin	0.39	0.30	1.20	AE10181-ND **NEW!**	.26	.21	.17	.13	A24-LC-TR
	Tin	0.70	0.60	1.20	AE8924-ND	.29	.24	.19	.14	A24-LC-TT
	Tin	0.70	0.60	1.20	AE10001-NDΔ	.63	.51	.41	.30	A24-LC-TT-R
	Gold	0.70	0.60	1.20	AE10002-NDΔ	.96	.84	.68	.58	A24-LCG-T-R
	Tin	0.70	0.60	1.20	AE10003-ND†Δ	.81	.65	.53	.38	A24-LC-TR-R
28	Tin	0.70	0.60	1.40	AE8926-ND	.34	.28	.23	.16	A28-LC-TT
	Tin	0.70	0.60	1.40	AE10004-NDΔ	.77	.62	.50	.36	A28-LC-TT-R
	Gold	0.70	0.60	1.40	AE9826-ND	1.14	.99	.80	.69	A28-LCG
	Gold	0.70	0.60	1.40	AE10005-NDΔ	1.14	.99	.80	.69	A28-LCG-T-R
	Tin	0.70	0.60	1.40	AE9849-ND†	.35	.29	.23	.17	A28-LC-TR
	Tin	0.70	0.60	1.40	AE10006-ND†Δ	.95	.76	.61	.45	A28-LC-TR-R
32	Tin	0.70	0.60	1.60	AE10007-ND†Δ	1.08	.87	.70	.51	A32-LC-TR-R
40	Tin	0.70	0.60	2.00	AE8940-ND	.49	.39	.32	.23	A40-LC-TT
	Tin	0.70	0.60	2.00	AE10008-NDΔ	1.08	.87	.70	.51	A40-LC-TT-R
	Gold	0.70	0.60	2.00	AE9840-ND	1.63	1.42	1.15	.98	A40-LCG
	Gold	0.70	0.60	2.00	AE10009-NDΔ	1.62	1.41	1.14	.98	A40-LCG-T-R
	Tin	0.70	0.60	2.00	AE9851-ND†	.46	.37	.30	.22	A40-LC-TR
	Tin	0.70	0.60	2.00	AE10010-ND†Δ	1.35	1.08	.87	.63	A40-LC-TR-R

† Retentive Leg Version Δ *RoHS Compliant*

IC Sockets Machine Pin

With gold plated precision spring contacts, open frame, solder pin and wire wrap terminals.

Contacts Spring: copper alloy, 4 finger contact. Surface gold over nickel. Absolute protection against capillary action. Connecting pins: brass, solder version.

Mechanical and Electrical Data: Depth of Insertion: 2.3 to 3.7 mm. Vibration: 20g after MIL-STD-202. Shock: 150g to MIL-STD-202. Insertion Frequency: >1000. Transitional Resistance after 100 insertion cycles: ≤12mΩ. Capacity between adjacent contacts: <0.9pF, Capacity between opposite adjacent contacts: <0.4pF. Air and creepage space between adjacent contacts: >0.4mm. Tensile strength: 1000 Veff.

Insulators: Polyester GV, VO self-extinguishing, UL 94. Insulation Resistance: $10^{12}\Omega$.

Operating Temperature Range: -65°C ~ 150°C. Retains shape in solder bath. Resistant to detergent.

Contact Plating: Pin: Tin; Clip: Gold.

Fig. 1

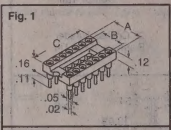


Fig. 2

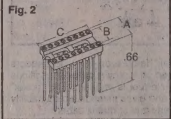


Fig.	No. of Cont.	Dimensions (Inch) A	B	C	Digi-Key Part No.	Price Each 1	10	100	Assmann Part No.
					Solder Tail				
					Gold Flash				
1	6	0.40	0.30	0.40	AE10022-NDΔ	.33	.29	.24	AR06-HZL-TT-R
	8	0.40	0.30	0.40	AE10011-NDΔ	.42	.37	.30	AR08-HZL-TT-R
	14	0.40	0.30	0.70	AE10012-NDΔ	.69	.60	.49	AR14-HZL-TT-R
	16	0.40	0.30	0.80	AE7216-ND	.72	.63	.51	AR16-HZL-TT
	16	0.40	0.30	0.80	AE10013-NDΔ	.84	.73	.59	AR16-HZL-TT-R
	18	0.40	0.30	0.90	AE10014-NDΔ	.93	.81	.66	AR18-HZL-TT-R
	20	0.40	0.30	1.00	AE10015-NDΔ	.99	.86	.70	AR20-HZL-TT-R
	22	0.50	0.40	1.10	AE7222-ND	1.02	.89	.72	AR22-HZL-TT
	24	0.70	0.60	1.20	AE7224-ND	1.25	1.11	.76	AR24-HZL-TT
	24	0.70	0.60	1.20	AE10016-NDΔ	1.23	1.07	.87	AR24-HZL-TT-R
	28	0.70	0.60	1.40	AE10017-NDΔ	1.50	1.30	1.05	AR28-HZL-TT-R
	40	0.70	0.60	2.00	AE10018-NDΔ	1.89	1.64	1.33	AR40-HZL-TT-R
	48	0.70	0.60	2.40	AE7248-ND	2.37	2.06	1.66	AR48-HZL-TT
	48	0.70	0.60	2.40	AE10019-NDΔ	2.34	2.03	1.64	AR48-HZL-TT-R
	64	1.00	0.90	3.20	AE10176-NDΔ **NEW!**	4.86	4.22	3.41	AR64-HZL-TT-R
					10µ" Gold				
1	6	0.40	0.30	0.30	AE10021-NDΔ	.54	.47	.38	AR06-HZL/01-TT-R
	8	0.40	0.30	0.40	AE10175-NDΔ **NEW!**	.69	.60	.49	AR08-HZL/01-TT-R
	14	0.40	0.30	0.70	AE7302-ND	1.11	.96	.78	AR14-HZL/01-TT
	14	0.40	0.30	0.70	AE10023-NDΔ	1.26	1.10	.89	AR14-HZL/01-TT-R
	16	0.40	0.30	0.80	AE7303-ND	1.26	1.09	.88	AR16-HZL/01-TT
	16	0.40	0.30	0.80	AE10024-NDΔ	1.44	1.25	1.01	AR16-HZL/01-TT-R
	20	0.40	0.30	1.00	AE7304-ND	1.50	1.30	1.05	AR20-HZL/01-TT
	20	0.40	0.30	1.00	AE10025-NDΔ	1.86	1.62	1.31	AR20-HZL/01-TT-R
	24	0.70	0.60	1.20	AE10026-NDΔ	2.19	1.90	1.54	AR24-HZL/01-TT-R
	24	0.40	0.30	1.20	AE10027-NDΔ	2.19	1.90	1.54	AR24-HZL/7/01-TT-R
	28	0.70	0.60	1.40	AE7307-ND	2.16	1.87	1.51	AR28-HZL/01-TT
	28	0.70	0.60	1.40	AE10028-NDΔ	2.55	2.21	1.79	AR28-HZL/01-TT-R
	28	0.40	0.30	1.40	AE7308-ND	2.16	1.87	1.51	AR28-HZL/7/01-TT
1	28	0.40	0.30	1.40	AE10029-NDΔ	3.74	3.25	2.62	AR48-HZL/01-TT
	32	0.70	0.60	1.60	AE7309-ND	2.46	2.14	1.73	AR32-HZL/01-TT
	32	0.70	0.60	1.60	AE10030-NDΔ	2.91	2.53	2.04	AR32-HZL/01-TT-R
	40	0.70	0.60	2.00	AE10031-NDΔ	3.66	3.18	2.57	AR40-HZL/01-TT-R
	48	0.70	0.60	2.40	AE7311-ND	3.74	3.25	2.62	AR48-HZL/01-TT
	48	0.70	0.60	2.40	AE10032-NDΔ	4.38	3.80	3.07	AR48-HZL/01-TT-R
					30µ" Gold				
1	6	0.40	0.30	0.30	AE7312-ND	.72	.63	.51	AR06-HZL/07-TT
	6	0.40	0.30	0.30	AE10033-NDΔ	1.02	.89	.72	AR06-HZL/07-TT-R
	8	0.40	0.30	0.40	AE7313-ND	.93	.81	.66	AR08-HZL/07-TT
	8	0.40	0.30	0.40	AE10034-NDΔ	1.35	1.17	.95	AR08-HZL/07-TT-R
	14	0.40	0.30	0.70	AE7314-ND	1.47	1.28	1.03	AR14-HZL/07-TT
	14	0.40	0.30	0.70	AE10035-NDΔ	2.34	2.03	1.64	AR14-HZL/07-TT-R
	16	0.40	0.30	0.80	AE10036-NDΔ	2.73	2.37	1.92	AR16-HZL/07-TT-R
	18	0.40	0.30	0.90	AE7316-ND	1.86	1.62	1.31	AR18-HZL/07-TT
	18	0.40	0.30	0.90	AE10037-NDΔ	2.97	2.58	2.08	AR18-HZL/07-TT-R
	20	0.40	0.30	1.00	AE7317-ND	2.07	1.80	1.45	AR20-HZL/07-TT
	20	0.40	0.30	1.00	AE10038-NDΔ	3.42	2.97	2.40	AR20-HZL/07-TT-R
	24	0.70	0.60	1.20	AE7318-ND	2.47	2.14	1.73	AR24-HZL/07-TT
	24	0.70	0.60	1.20	AE10039-NDΔ	4.08	3.54	2.86	AR24-HZL/07-TT-R
	24	0.40	0.30	1.20	AE10040-NDΔ	4.08	3.54	2.86	AR24-HZL/7/07-TT-R
	28	0.70	0.60	1.40	AE10041-NDΔ	4.74	4.11	3.32	AR28-HZL/07-TT-R
	28	0.40	0.30	1.40	AE7321-ND	2.88	2.50	2.02	AR28-HZL/7/07-TT
	28	0.40	0.30	1.40	AE10042-NDΔ	4.74	4.11	3.32	AR28-HZL/7/07-TT-R
	32	0.70	0.60	1.60	AE10043-NDΔ	5.43	4.71	3.81	AR32-HZL/07-TT-R
	40	0.70	0.60	2.00	AE7323-ND	4.55	3.95	3.19	AR40-HZL/07-TT
	40	0.70	0.60	2.00	AE10044-NDΔ	6.69	5.80	4.69	AR40-HZL/07-TT-R
	48	0.70	0.60	2.40	AE7324-ND	4.97	4.31	3.48	AR48-HZL/07-TT
	48	0.70	0.60	2.40	AE10045-NDΔ	8.07	7.00	5.65	AR48-HZL/07-TT-R
					Wire Wrap				
2	8	0.40	0.30	0.40	AE7108-ND	1.06	.93	.64	AR08-HZW/T
	8	0.40	0.30	0.40	AE10046-NDΔ	1.50	1.30	1.05	AR08-HZW/T-R
	14	0.40	0.30	0.70	AE10047-NDΔ	2.07	1.80	1.45	AR14-HZW/T-R
	16	0.40	0.30	0.80	AE7116-ND	2.08	1.83	1.26	AR16-HZW/T
	16	0.40	0.30	0.80	AE10048-NDΔ	2.37	2.06	1.66	AR16-HZW/T-R
	18	0.40	0.30	0.90	AE7118-ND	2.13	1.85	1.50	AR18-HZW/T
	18	0.40	0.30	0.90	AE10049-NDΔ	2.67	2.32	1.87	AR18-HZW/T-R
	20	0.40	0.30	1.00	AE10050-NDΔ	2.97	2.58	2.08	AR20-HZW/T-R
	24	0.70	0.60	1.20	AE7124-ND	2.85	2.47	2.00	AR24-HZW/T
	24	0.70	0.60	1.20	AE10051-NDΔ	3.87	3.36	2.71	AR24-HZW/T-R
	28	0.70	0.60	1.40	AE7128-ND	3.30	2.86	2.31	AR28-HZW/T
	28	0.70	0.60	1.40	AE10052-NDΔ	4.14	3.59	2.90	AR28-HZW/T-R
	40	0.70	0.60	2.00	AE7140-ND	5.21	4.59	3.16	AR40-HZW/T
	40	0.70	0.60	2.00	AE10053-NDΔ	5.61	4.87	3.93	AR40-HZW/T-R
	64	1.00	0.90	3.20	AE10020-NDΔ	9.27	8.04	6.49	AR64-HZW-T-R

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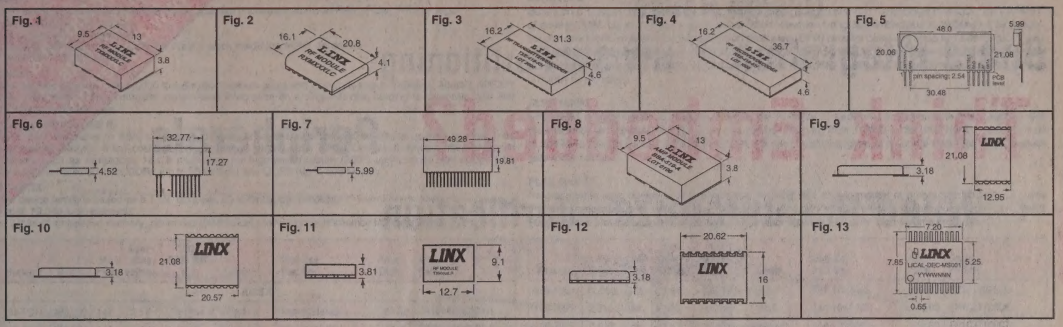


LC Series – Ultra-Compact Low-Cost RF TX/RX Modules: Operating in the 260–470MHz band, these tiny RF modules provide a complete and cost-effective solution for the wireless transfer of serial control and command information over distances in excess of 300 ft. **Tx:** • 2.7 – 5.2VDC range • 1.5 mA average • +3 dbm output • 5Kbps maximum data rate • Low harmonics **Rx:** • 2.7 – 5.2VDC range • Low power consumption (6mA op., 300µA sleep) • -97 Typical sens. • 5Kbps maximum data rate • Balanced LO for easy certification

KH Series – Transmitter And Receiver Featuring Integrated Encoder/Decoders: This series combines the popular LC TX/RX with an integrated enc./dec. pair. The encoder module accepts up to eight parallel inputs. This allows the direct connection of switches or a microcontroller.

RM Series – Provides a complete TX/RX solution in a compact SIP style module. This series utilizes an advanced SAW based design and FM/FSK modulation and operates in the 260 – 470 band. **Tx:** • 5.9 – 9.0VDC range • 6.0mA average • +3 dbm output • 10,000Kbps maximum data rate • SIP package **Rx:** • 4.0 – 9.0VDC range • 14mA average • -103 typical sensitivity

HP-3 Series – High-Performance, Low-Cost, RF TX/RX Modules: These modules are designed for the popular 902-928MHz band. The modules offer 8 or 256 selectable channels and are capable of transmitting analog and digital information for distances of up to 1000 feet. Available in SIP or SMT pkg. **Tx:** • 8 parallel selectable channels on PO series and 8 parallel 120 serial on PS series • Synthesized architecture • 2.7 – 3VDC supply range • Low power (15mA avg. cur.): • 0dbm output power • 100Hz – 25Khz analog bandwidth • CTS **Rx:** • 8 parallel selectable channels on PO series and 8 parallel 120 serial on PS series • Synth. architecture • 2.7 – 18VDC supply range • Low power (18mA avg. cur.; 50µA powerdown) • 50Kbps maximum data rate • 50Hz – 25Khz analog bandwidth • RSSI output • Powerdown control

BBA Series – Broadband RF Amplifiers: These amplifiers are well suited to a wide range of amplification and buffering applications including extending the range of Linx's own RF modules (when legally appropriate). The hybrid amps are prematched to 50Ω and require no external RF components. **BBA-322:** • High gain model • 10Mhz – 3Ghz broadband operation • +20dB small signal gain at 900MHz • Up to +10 (10mW) Linear output power • 3.8dB noise figure • Operates from a single supply

BBA-519: • High output model • 10Mhz – 4Ghz broadband operation • +18dB Small Signal gain at 900MHz • Up to +17 (50mW) Linear output power • 4.8dB noise figure

ES Series – Housed in a tiny SMD pkg., this series utilizes an advanced FM/FSK-based synth. architecture to provide superior performance and noise immunity when compared to AM/OOK solutions. An outstanding 56Kbps max. data rate and wide-range analog capability make the ES Series equally at home with digital data or analog sources such as audio. A host of useful features including RSSI, PDN, audio ref., LVL ADJ, low-volt. detect and a microprocessor clock source are provided. Operates at 916.48MHz which in North America allows an unlimited variety of applications including data and audio links. Audio 20Hz – 28KHz, very low current for long life in battery applications. **Tx:** • Supply voltage: 2.1 – 4V • Current: 6.5 – 7.5mA • 0dbm output power • Sleep: 90µA **Rx:** • Supply voltage: 4.5 – 5.5V • Current: 5.5 – 6.5mA • Sleep: 50µA

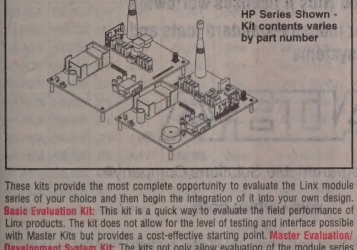
LR Series – This receiver is ideal for the wireless transfer of serial data, control or command information in the 260 – 470MHz band • Links less than 3000 feet will benefit from a more reliable signal • Rx is Footprint compatible with popular LC-S series • 10 kbps data rate • Range in excess of 3000 feet • SMD package • No external components required (except antenna) • Operating voltage down to 2.7V • 5KHz analog BW • -112dbm receiver sensitivity typical • 5.2mA supply current typical

QS Series – Allows the rapid addition of USB to virtually any device. Housed in a compact SMD pkg., the QS Module provides a complete solution for converting between USB and TTL logic output. • Applications include interfacing Linx RF Modules, MCU's, etc. to a USB interface • 4.4 – 5VDC supply • Low current consumption, 26mA • USB Bus or self powered • No external components required (except USB jack)

MS and HS Series – Both the MS and HS Series encoders and decoders are designed for remote control applications. They allow the status of up to 8 buttons or contacts to be securely transferred via a wireless link. The MS Series 24 bit address size makes transmissions highly unique, minimizing the possibility of multiple devices having conflicting addresses. The HS Series uses a highly secure encryption algorithm with a non-repeating code to prevent unauthorized users from replicating the signal. **Features:** • 8 data lines • Low 2.0V – 5.5V operating voltage • Low supply current (370µA @ 3V) • Ultra low 0.1µA standby current • Selectable baud rates

Fig.	Description	Freq. (MHz)	Digi-Key Part No.	Price Each 1	25	100	Linx Part No.
	LC Series						
1	Transmitter	315	TXM-315-LC-ND	6.90	6.31	5.60	TXM-315-LC
		418	TXM-418-LC-ND	6.90	6.31	5.60	TXM-418-LC
		433	TXM-433-LC-ND	6.90	6.31	5.60	TXM-433-LC
2	Receiver	315	RXM-315-LC-S-ND	13.79	12.61	10.90	RXM-315-LC-S
		418	RXM-418-LC-S-ND	13.79	12.61	10.90	RXM-418-LC-S
		433	RXM-433-LC-S-ND	13.79	12.61	10.90	RXM-433-LC-S
	KH Series						
3	Transmitter	315	TXE-315-KH-ND	9.98	9.12	7.80	TXE-315-KH
		418	TXE-418-KH-ND	9.98	9.12	7.80	TXE-418-KH
		433	TXE-433-KH-ND	9.98	9.12	7.80	TXE-433-KH
4	Receiver	315	RXD-315-KH-ND	15.93	14.56	12.75	RXD-315-KH
		418	RXD-418-KH-ND	15.93	14.56	12.75	RXD-418-KH
		433	RXD-433-KH-ND	15.93	14.56	12.75	RXD-433-KH
	RM Series						
5	Receiver	418	RXM-418-RM-ND	36.66	33.52	28.31	RXM-418-RM
	HP3 Series						
6	Transmitter 8 Channel	900	TXM-900-HP3-PPO-ND	29.45	26.93	23.60	TXM-900-HP3-PPO
	Transmitter 8/120 Channel	900	TXM-900-HP3-PPS-ND	30.33	27.73	24.10	TXM-900-HP3-PPS
7	Receiver 8 Channel	900	RXM-900-HP3-PPO-ND	44.45	40.64	31.21	RXM-900-HP3-PPO
	Receiver 8/120 Channel	900	RXM-900-HP3-PPS-ND	46.03	42.08	32.20	RXM-900-HP3-PPS
	BBA Series						
8	Hi-Gain Broadband RF Amp.	10–3000	BBA-322-A-ND	14.80	14.06	13.50	BBA-322-A
	Hi-Power Broadband RF Amp.	10–4000	BBA-519-A-ND	15.00	14.25	13.95	BBA-519-A
	ES Series						
9	Transmitter	916	TXM-916-ES-ND	13.84	12.66	10.87	TXM-916-ES
10	Receiver	916	RXM-916-ES-ND	17.12	15.65	12.92	RXM-916-ES
	LR Series						
11	Transmitter	315	TXM-315-LR-ND	7.46	6.82	5.95	TXM-315-LR
		418	TXM-418-LR-ND	7.46	6.82	5.95	TXM-418-LR
		433	TXM-433-LR-ND	7.46	6.82	5.95	TXM-433-LR
12	Receiver	315	RXM-315-LR-ND	13.56	12.40	9.80	RXM-315-LR
		418	RXM-418-LR-ND	13.56	12.40	9.80	RXM-418-LR
		433	RXM-433-LR-ND	13.56	12.40	9.80	RXM-433-LR
	QS Series						
12	USB Module	—	SDM-USB-QS-S-ND	14.61	13.36	11.80	SDM-USB-QS-S
	MS Series						
13	Encoder	418	LICAL-ENC-MS001-ND	4.10	3.75	3.16	LICAL-ENC-MS001
	Decoder	418	LICAL-DEC-MS001-ND	4.10	3.75	3.16	LICAL-DEC-MS001
	HS SERIES						
13	Encoder	418	LICAL-ENC-HS001-ND	4.45	4.07	3.43	LICAL-ENC-HS001
	Decoder	418	LICAL-DEC-HS001-ND	4.45	4.07	3.43	LICAL-DEC-HS001

Evaluation Kits



These kits provide the most complete opportunity to evaluate the Linx module series of your choice and then begin the integration of it into your own design. **Basic Evaluation Kit:** This kit is a quick way to evaluate the field performance of Linx products. The kit does not allow for the level of testing and interface possible with Master Kits but provides a cost-effective starting point. **Master Evaluation/ Development System Kit:** The kits not only allow evaluation of the module series you have chosen, but also speed the development of your own design via on-board prototyping area and breakout headers.

Description	MHz	Digi-Key Part No.	Price Each	Linx Part No.
		Basic Evaluation Kits		
LC Series	315	EVAL-315-LC-S-ND	139.00	EVAL-315-LC-S
	418	EVAL-418-LC-S-ND	139.00	EVAL-418-LC-S
	433	EVAL-433-LC-S-ND	139.00	EVAL-433-LC-S
SC Series	916	EVAL-916-SC-P-ND	199.00	EVAL-916-SC
KH Series	315	EVAL-315-KH-ND	149.00	EVAL-315-KH
	418	EVAL-418-KH-ND	149.00	EVAL-418-KH
	433	EVAL-433-KH-ND	149.00	EVAL-433-KH
ES Series	916	EVAL-916-ES-ND	179.00	EVAL-916-ES
Keyfob Series	418	EVAL-418-KEYS-ND	119.00	EVAL-418-KEYS
HHCP Series	418	EVAL-418-HHCP-ND	129.00	EVAL-418-HHCP
HHLR Series	418	EVAL-418-HHLR-ND	129.00	EVAL-418-HHLR
LR Series	315	EVAL-315-LR-ND	139.00	EVAL-315-LR
	418	EVAL-418-LR-ND	139.00	EVAL-418-LR
	433	EVAL-433-LR-S-ND	139.00	EVAL-433-LR-S
		Master Evaluation / Development System Kits		
RM Series	418	MDEV-418-RM-ND	249.00	MDEV-418-RM
HP-3 Series	900	MDEV900HP3PPSRS23-ND	299.00	MDEV-900-HP3-PPS-RS232
ES Series	916	MDEV-916-ES-ND	299.00	MDEV-916-ES
SC-P Series	916	MDEV-916-SC-P-ND	299.00	MDEV-916-SC-P
SC-S Series	916	MDEV-916-SC-S-ND	299.00	MDEV-916-SC-S
QS Series	—	MDEV-USB-QS-ND	129.00	MDEV-USB-QS
MS Series	418	MDEV-LIC-MS-ND	249.00	MDEV-LIC-MS
		MDEV-418-HH-KF-MS-ND	170.57	MDEV-418-HH-KF-MS
HS Series	418	MDEV-LIC-HS-ND	299.00	MDEV-LIC-HS

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- MultiVolt™ I/O operation

APEX:
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CYCLONE/CYCLONE II:
A low-cost alternative to ASIC's. Cyclone provides a flexible, risk-free option without up-front non-recurring engineering charges. A low-cost solution unmatched by any other FPGA Cyclone II devices offer advanced features such as embedded 18x18 multipliers for high-performance (DSP) applications and support for memory interfaces such as DDR2 (up to 334 Mbps) and QDRII (up to 668 Mbps).

STRATIX:
The device family is based on a 1.5V, 0.13-µm, all-layer-copper process
- up to 79,040 logic elements
- 7 Mbits of embedded memory, optimized (DSP) blocks, and high-performance I/O capabilities.

Package	Gates	I/O Pins	Operating Voltage	Total RAM Bits (K)	Speed	Digi-Key Part No.	Price Each	Altera Part No.
ACEX								
208-PQFP	100,000	147	2.5V	49,152	Fast	544-1000-ND	63.00	EP1K100QC208-1
208-PQFP	100,000	147	2.5V	49,152	Medium	544-1001-ND	43.00	EP1K100QC208-2
208-PQFP	100,000	147	2.5V	49,152	Slow	544-1002-ND	31.50	EP1K100QC208-3
208-PQFP	100,000	147	2.5V	49,152	Medium	544-1003-ND	60.00	EP1K100QI208-2
208-PQFP	30,000	147	2.5V	24,576	Fast	544-1004-ND	33.50	EP1K30QC208-1
208-PQFP	30,000	147	2.5V	24,576	Medium	544-1005-ND	22.50	EP1K30QC208-2
208-PQFP	30,000	147	2.5V	24,576	Slow	544-1006-ND	16.75	EP1K30QC208-3
208-PQFP	50,000	147	2.5V	40,960	Fast	544-1007-ND	45.00	EP1K50QC208-1
208-PQFP	50,000	147	2.5V	40,960	Medium	544-1008-ND	30.50	EP1K50QC208-2
208-PQFP	50,000	147	2.5V	40,960	Slow	544-1009-ND	22.50	EP1K50QC208-3
208-PQFP	50,000	147	2.5V	40,960	Medium	544-1010-ND	45.00	EP1K50IC208-2
256-FBGA	100,000	186	2.5V	49,152	Fast	544-1022-ND	79.00	EP1K100FC256-1
256-FBGA	100,000	186	2.5V	49,152	Medium	544-1023-ND	53.00	EP1K100FC256-2
256-FBGA	100,000	186	2.5V	49,152	Slow	544-1024-ND	39.50	EP1K100FC256-3
256-FBGA	100,000	186	2.5V	49,152	Medium	544-1025-ND	79.00	EP1K100FI256-2
256-FBGA	10,000	136	2.5V	12,288	Slow	544-1026-ND	13.00	EP1K10FC256-3
100-TQFP	10,000	66	2.5V	12,288	Slow	544-1027-ND	8.80	EP1K10TC100-3
256-FBGA	30,000	171	2.5V	24,576	Fast	544-1028-ND	38.00	EP1K30FC256-1
256-FBGA	30,000	171	2.5V	24,576	Slow	544-1029-ND	19.00	EP1K30FC256-3
256-FBGA	50,000	186	2.5V	40,960	Fast	544-1030-ND	57.00	EP1K50FC256-1
256-FBGA	50,000	186	2.5V	40,960	Medium	544-1031-ND	38.50	EP1K50FC256-2
256-FBGA	50,000	186	2.5V	40,960	Slow	544-1032-ND	28.50	EP1K50FC256-3
256-FBGA	50,000	186	2.5V	40,960	Medium	544-1033-ND	57.00	EP1K50FI256-2
484-FBGA	100,000	333	2.5V	49,152	Fast	544-1060-ND	103.00	EP1K100FC484-1
484-FBGA	100,000	333	2.5V	49,152	Medium	544-1061-ND	69.00	EP1K100FC484-2
484-FBGA	100,000	333	2.5V	49,152	Slow	544-1062-ND	52.00	EP1K100FC484-3
484-FBGA	100,000	333	2.5V	49,152	Medium	544-1063-ND	97.00	EP1K100FI484-2
144-TQFP	10,000	92	2.5V	12,288	Slow	544-1064-ND	10.25	EP1K10TC144-3
144-TQFP	30,000	102	2.5V	24,576	Fast	544-1065-ND	29.00	EP1K30TC144-1
144-TQFP	30,000	102	2.5V	24,576	Medium	544-1066-ND	19.75	EP1K30TC144-2
144-TQFP	30,000	102	2.5V	24,576	Slow	544-1067-ND	14.50	EP1K30TC144-3
144-TQFP	30,000	102	2.5V	24,576	Medium	544-1068-ND	29.00	EP1K30TI144-2
484-FBGA	50,000	249	2.5V	40,960	Fast	544-1069-ND	72.00	EP1K50FC484-1
484-FBGA	50,000	249	2.5V	40,960	Medium	544-1070-ND	49.00	EP1K50FC484-2
484-FBGA	50,000	249	2.5V	40,960	Slow	544-1071-ND	35.00	EP1K50FC484-3
144-TQFP	50,000	102	2.5V	40,960	Fast	544-1072-ND	41.00	EP1K50TC144-1
144-TQFP	50,000	102	2.5V	40,960	Medium	544-1073-ND	27.50	EP1K50TC144-2
144-TQFP	50,000	102	2.5V	40,960	Slow	544-1074-ND	20.50	EP1K50TC144-3
144-TQFP	50,000	102	2.5V	40,960	Medium	544-1075-ND	41.00	EP1K50TI144-2
208-PQFP	10,000	120	2.5V	12,288	Slow	544-1090-ND	11.50	EP1K100C208-3
APEX								
356-BGA	100,000	246	1.8V	53,248	Slow	544-1091-ND	90.00	EP20K100EBC356-3
324-FBGA	100,000	246	1.8V	53,248	Slow	544-1092-ND	62.00	EP20K100EFC324-3
240-PQFP	100,000	183	1.8V	53,248	Slow	544-1093-ND	72.00	EP20K100EQC240-3
240-PQFP	100,000	189	2.5V	53,248	Slow	544-1094-ND	72.00	EP20K100QC240-3
240-PQFP	200,000	168	1.8V	106,496	Slow	544-1095-ND	180.00	EP20K200EQC240-3
484-FBGA	200,000	376	1.8V	106,496	Fast	544-1096-ND	392.00	EP20K200EFC484-1
484-FBGA	200,000	376	1.8V	106,496	Fast	544-1097-ND	402.00	EP20K200EFC484-1X
484-FBGA	200,000	376	1.8V	106,496	Medium	544-1098-ND	284.00	EP20K200EFC484-2X
484-FBGA	200,000	376	1.8V	106,496	Slow	544-1099-ND	196.00	EP20K200EFC484-3
672-FBGA	400,000	488	1.8V	212,992	Fast	544-1102-ND	1160.00	EP20K400EFC672-1X
672-FBGA	400,000	488	1.8V	212,992	Slow	544-1103-ND	380.00	EP20K400EFC672-3
652-BGA	400,000	488	1.8V	212,992	Slow	544-1135-ND	390.00	EP20K400EBC652-3
CYCLONE								
256-FBGA	12,060	185	1.5V	239,616	Medium	544-1011-ND	44.80	EP1C12F256C7
256-FBGA	12,060	185	1.5V	239,616	Slow	544-1012-ND	37.30	EP1C12F256C8

STRATIX II:
Based on a 1.2V, 90 nm, SRAM process, with densities from 15,600 to 179,400 logic elements. Up to 9 Mbits of on-chip RAM. Up to 12 PLLs and 16 global clock networks. Up to 384 embedded multipliers in DSP blocks, source-synchronous differential signaling with dedicated (DPA) circuitry operating at up to 1.040 Gbps.
- Dedicated serializer/deserializer (SERDES) circuitry to support the LVDS and HyperTransport™ differential I/O electrical standards, supports 10 Gigabit Ethernet XSBI, SFI-4, SPI-4.2, HyperTransport, RadioIO™ and UTOPIA IV standards.

FLEX 10K®:
Embedded programmable logic family delivers the flexibility of traditional programmable logic together with the efficiency and density of embedded gate arrays. Ranging from 10,000 to 250,000 typical gates, and up to 204-MHz system speed. FLEX 10K devices are specifically designed to meet the demands of mid-density gate array designs.

FLEX 6000®:
Programmable logic device family delivers the flexibility and time-to-market of programmable logic at prices that are competitive with gate arrays. Featuring the industry's most efficient architecture (OptiFLEX, FLEX 6000 devices provide a flexible and cost-effective alternative to ASICs for high-volume production.

Package	Gates	I/O Pins	Operating Voltage	Total RAM Bits (K)	Speed	Digi-Key Part No.	Price Each	Altera Part No.
256-FBGA	12,060	185	1.5V	239,616	Medium	544-1013-ND	56.00	EP1C12F256I7
100-TQFP	2,910	65	1.5V	59,904	Fast	544-1014-ND	16.00	EP1C3T100C6
100-TQFP	2,910	65	1.5V	59,904	Medium	544-1015-ND	12.80	EP1C3T100C7
100-TQFP	2,910	65	1.5V	59,904	Slow	544-1016-ND	10.70	EP1C3T100C8
100-TQFP	2,910	65	1.5V	59,904	Medium	544-1017-ND	16.00	EP1C3T100I7
256-FBGA	5,980	185	1.5V	92,160	Fast	544-1018-ND	32.40	EP1C6F256C6
256-FBGA	5,980	185	1.5V	92,160	Medium	544-1019-ND	25.90	EP1C6F256C7
256-FBGA	5,980	185	1.5V	92,160	Slow	544-1020-ND	21.60	EP1C6F256C8
256-FBGA	5,980	185	1.5V	92,160	Medium	544-1021-ND	32.40	EP1C6F256I7
324-FBGA	12,060	249	1.5V	239,616	Fast	544-1034-ND	58.70	EP1C12F324C6
324-FBGA	12,060	249	1.5V	239,616	Medium	544-1035-ND	46.90	EP1C12F324C7
324-FBGA	12,060	249	1.5V	239,616	Slow	544-1036-ND	39.10	EP1C12F324C8
324-FBGA	12,060	249	1.5V	239,616	Medium	544-1037-ND	58.70	EP1C12F324I7
324-FBGA	20,060	233	1.5V	294,912	Fast	544-1038-ND	90.00	EP1C20F324C6
324-FBGA	20,060	233	1.5V	294,912	Medium	544-1039-ND	72.00	EP1C20F324C7
324-FBGA	20,060	233	1.5V	294,912	Slow	544-1040-ND	60.00	EP1C20F324C8
324-FBGA	20,060	233	1.5V	294,912	Medium	544-1041-ND	90.00	EP1C20F324I7
324-FBGA	4,000	249	1.5V	78,336	Fast	544-1042-ND	28.80	EP1C4F324C6
324-FBGA	4,000	249	1.5V	78,336	Medium	544-1043-ND	23.10	EP1C4F324C7
324-FBGA	4,000	249	1.5V	78,336	Slow	544-1044-ND	19.20	EP1C4F324C8
324-FBGA	4,000	249	1.5V	78,336	Medium	544-1045-ND	28.80	EP1C4F324I7
400-FBGA	20,060	301	1.5V	294,912	Fast	544-1046-ND	98.70	EP1C20F400C6
400-FBGA	20,060	301	1.5V	294,912	Medium	544-1047-ND	78.90	EP1C20F400C7
400-FBGA	20,060	301	1.5V	294,912	Slow	544-1048-ND	65.70	EP1C20F400C8
400-FBGA	20,060	301	1.5V	294,912	Medium	544-1049-ND	98.70	EP1C20F400I7
144-TQFP	2,910	104	1.5V	59,904	Fast	544-1050-ND	18.40	EP1C3T144C6
144-TQFP	2,910	104	1.5V	59,904	Medium	544-1051-ND	14.70	EP1C3T144C7
144-TQFP	2,910	104	1.5V	59,904	Slow	544-1052-ND	12.30	EP1C3T144C8
144-TQFP	2,910	104	1.5V	59,904	Medium	544-1053-ND	18.40	EP1C3T144I7
400-FBGA	4,000	301	1.5V	78,336	Fast	544-1054-ND	34.70	EP1C4F400C6
400-FBGA	4,000	301	1.5V	78,336	Slow	544-1055-ND	23.10	EP1C4F400C8
144-TQFP	5,980	98	1.5V	92,160	Fast	544-1056-ND	26.30	EP1C6T144C6
144-TQFP	5,980	98	1.5V	92,160	Medium	544-1057-ND	20.90	EP1C6T144C7
144-TQFP	5,980	98	1.5V	92,160	Slow	544-1058-ND	17.50	EP1C6T144C8
144-TQFP	5,980	98	1.5V	92,160	Medium	544-1059-ND	26.30	EP1C6T144I7
240-PQFP	12,060	173	1.5V	239,616	Fast	544-1079-ND	53.20	EP1C12Q240C6
240-PQFP	12,060	173	1.5V	239,616	Medium	544-1080-ND	42.50	EP1C12Q240C7
240-PQFP	12,060	173	1.5V	239,616	Slow	544-1081-ND	35.50	EP1C12Q240C8
240-PQFP	12,060	173	1.5V	239,616	Medium	544-1082-ND	53.20	EP1C12Q240I7
240-PQFP	5,980	185	1.5V	92,160	Fast	544-1083-ND	28.40	EP1C6Q240C6
240-PQFP	5,980	185	1.5V	92,160	Medium	544-1084-ND	22.70	EP1C6Q240C7
240-PQFP	5,980	185	1.5V	92,160	Slow	544-1085-ND	18.90	EP1C6Q240C8
240-PQFP	5,980	185	1.5V	92,160	Medium	544-1086-ND	28.40	EP1C6Q240I7
CYCLONE II								
256-FBGA	4,608	158	1.5V	119, 808	Medium	544-1445-ND	17.90	EP2C5F256C7
256-FBGA	4,608	158	1.5V	119, 808	Slow	544-1446-ND	14.90	EP2C5F256C8
208-PQFP	4,608	158	1.5V	119, 808	Medium	544-1447-ND	16.70	EP2C5Q208C7
208-PQFP	4,608	158	1.5V	119, 808	Slow	544-1448-ND	13.90	EP2C5Q208C8
144-TQFP	4,608	158	1.5V	119, 808	Medium	544-1449-ND	15.30	EP2C5T144C7
144-TQFP	4,608	158	1.5V	119, 808	Slow	544-1450-ND	12.80	EP2C5T144C8
256-FBGA	8,256	182	1.5V	165,888	Medium	544-1453-ND	28.10	EP2C8F256C7
256-FBGA	8,256	182	1.5V	165,888	Slow	544-1454-ND	23.50	EP2C8F256C8
208-PQFP	8,256	182	1.5V	165,888	Medium	544-1455-ND	24.30	EP2C8Q208C7
208-PQFP	8,256	182	1.5V	165,888	Slow	544-1456-ND	20.30	EP2C8Q208C8
144-TQFP	8,256	182	1.5V	165,888	Medium	544-1457-ND	23.10	EP2C8T144C7
144-TQFP	8,256	182	1.5V	165,888	Slow	544-1458-ND	19.20	EP2C8T144C8
256-FBGA	18,752	152	1.2V	239,616	Fast	544-1360-ND	64.00	EP2C20F256C6

(Continued)

Package	Gates	I/O Pins	Operating Voltage	Total RAM Bits (K)	Speed	Digi-Key Part No.	Price Each	Altera Part No.
256-FBGA	18,752	152	1.2V	239,616	Medium	544-1361-ND	51.20	EP2C20F256C7
256-FBGA	18,752	152	1.2V	239,616	Slow	544-1362-ND	42.70	EP2C20F256C8
484-FBGA	18,752	315	1.2V	239,616	Fast	544-1363-ND	70.40	EP2C20F484C6
484-FBGA	18,752	315	1.2V	239,616	Medium	544-1364-ND	56.30	EP2C20F484C7
484-FBGA	18,752	315	1.2V	239,616	Slow	544-1365-ND	46.90	EP2C20F484C8
484-FBGA	33,216	322	1.2V	483,840	Fast	544-1076-ND	136.00	EP2C35F484C6
484-FBGA	33,216	322	1.2V	483,840	Medium	544-1077-ND	113.30	EP2C35F484C7
484-FBGA	33,216	322	1.2V	483,840	Slow	544-1078-ND	90.70	EP2C35F484C8
484-FBGA	33,216	322	1.2V	483,840	Slow	544-1366-NDΔ	90.70	EP2C35F484C8N
672-FBGA	33,216	475	1.2V	483,840	Fast	544-1087-ND	149.60	EP2C35F672C6
672-FBGA	33,216	475	1.2V	483,840	Medium	544-1088-ND	124.70	EP2C35F672C7
672-FBGA	50,528	450	1.5V	594,432	Medium	544-1443-ND	205.00	EP2C50F672C7
672-FBGA	50,528	450	1.5V	594,432	Slow	544-1444-ND	171.00	EP2C50F672C8
672-FBGA	68,416	622	1.5V	1,152,000	Medium	544-1451-ND	282.00	EP2C70F672C7
672-FBGA	68,416	422	1.2V	1,152,000	Slow	544-1409-ND	235.00	EP2C70F672C8
896-FBGA	68,416	622	1.5V	1,152,000	Medium	544-1452-ND	307.00	EP2C70F896C7
896-FBGA	68,416	622	1.2V	1,152,000	Slow	544-1410-ND	256.00	EP2C70F896C8
					STRATIX			
484-FBGA	10,570	335	1.5V	920,448	Slow	544-1100-ND	205.00	EP1S10F484C7
484-FBGA	18,460	361	1.5V	1,669,248	Slow	544-1101-ND	350.00	EP1S20F484C7
672-FBGA	10,570	345	1.5V	920,448	Medium	544-1108-ND	265.00	EP1S10F672C6
672-FBGA	10,570	345	1.5V	920,448	Slow	544-1109-ND	190.00	EP1S10F672C7
672-FBGA	10,570	345	1.5V	920,448	Slow	544-1110-ND	265.00	EP1S10F672I7
780-FBGA	10,570	426	1.5V	920,448	Medium	544-1111-ND	315.00	EP1S10F780C6
780-FBGA	10,570	426	1.5V	920,448	Slow	544-1112-ND	225.00	EP1S10F780C7
672-FBGA	18,460	426	1.5V	1,669,248	Slow	544-1113-ND	325.00	EP1S20F672C7
780-FBGA	18,460	586	1.5V	1,669,248	Fast	544-1114-ND	760.00	EP1S20F780C5
780-FBGA	18,460	586	1.5V	1,669,248	Medium	544-1115-ND	530.00	EP1S20F780C6
780-FBGA	18,460	586	1.5V	1,669,248	Slow	544-1116-ND	380.00	EP1S20F780C7
672-FBGA	25,660	473	1.5V	1,944,576	Medium	544-1117-ND	760.00	EP1S25F672C6
672-FBGA	25,660	473	1.5V	1,944,576	Slow	544-1118-ND	545.00	EP1S25F672C7
672-FBGA	25,660	473	1.5V	1,944,576	Slow	544-1119-ND	460.00	EP1S25F672C8
780-FBGA	25,660	597	1.5V	1,944,576	Fast	544-1120-ND	1225.00	EP1S25F780C5
780-FBGA	25,660	597	1.5V	1,944,576	Medium	544-1121-ND	860.00	EP1S25F780C6
780-FBGA	25,660	597	1.5V	1,944,576	Slow	544-1122-ND	610.00	EP1S25F780C7
1020-FBGA	25,660	706	1.5V	1,944,576	Slow	544-1129-ND	660.00	EP1S25F1020C7
956-BGA	32,470	726	1.5V	3,317,184	Medium	544-1417-ND	1240.00	EP1S30B956C6
956-BGA	32,470	726	1.5V	3,317,184	Slow	544-1418-ND	885.00	EP1S30B956C7
1020-FBGA	32,470	726	1.5V	3,317,184	Medium	544-1419-ND	1145.00	EP1S30F1020C6
1020-FBGA	32,470	726	1.5V	3,317,184	Slow	544-1420-ND	815.00	EP1S30F1020C7
780-FBGA	32,470	726	1.5V	3,317,184	Slow	544-1421-ND	750.00	EP1S30F780C7
780-FBGA	32,470	726	1.5V	3,317,184	Slow	544-1422-ND	640.00	EP1S30F780C8
956-BGA	41,250	822	1.5V	3,423,744	Medium	544-1423-ND	1565.00	EP1S40B956C6
956-BGA	41,250	822	1.5V	3,423,744	Slow	544-1424-ND	1115.00	EP1S40B956C7
1020-FBGA	41,250	822	1.5V	3,423,744	Medium	544-1425-ND	1450.00	EP1S40F1020C6
1020-FBGA	41,250	822	1.5V	3,423,744	Slow	544-1426-ND	1035.00	EP1S40F1020C7
1508-FBGA	41,250	822	1.5V	3,423,744	Medium	544-1427-ND	1565.00	EP1S40F1508C6
1508-FBGA	41,250	822	1.5V	3,423,744	Slow	544-1428-ND	1115.00	EP1S40F1508C7
780-FBGA	41,250	822	1.5V	3,423,744	Slow	544-1429-ND	950.00	EP1S40F780C7
780-FBGA	41,250	822	1.5V	3,423,744	Slow	544-1430-ND	810.00	EP1S40F780C8
956-BGA	57,120	1,022	1.5V	5,215,104	Medium	544-1431-ND	2825.00	EP1S60B956C6
956-BGA	57,120	1,022	1.5V	5,215,104	Slow	544-1432-ND	2015.01	EP1S60B956C7
1020-FBGA	57,120	1,022	1.5V	5,215,104	Medium	544-1433-ND	2629.99	EP1S60F1020C6
1020-FBGA	57,120	1,022	1.5V	5,215,104	Slow	544-1434-ND	1880.01	EP1S60F1020C7
1508-FBGA	57,120	1,022	1.5V	5,215,104	Medium	544-1435-ND	2825.00	EP1S60F1508C6
1508-FBGA	57,120	1,022	1.5V	5,215,104	Slow	544-1436-ND	2015.01	EP1S60F1508C7
956-BGA	79,040	1,238	1.5V	7,427,520	Medium	544-1437-ND	7195.01	EP1S80B956C6
956-BGA	79,040	1,238	1.5V	7,427,520	Slow	544-1438-ND	5140.00	EP1S80B956C7
1020-FBGA	79,040	1,238	1.5V	7,427,520	Medium	544-1439-ND	6975.01	EP1S80F1020C6
1020-FBGA	79,040	1,238	1.5V	7,427,520	Slow	544-1440-ND	4980.01	EP1S80F1020C7
1508-FBGA	79,040	1,238	1.5V	7,427,520	Medium	544-1441-ND	7195.01	EP1S80F1508C6
1508-FBGA	79,040	1,238	1.5V	7,427,520	Slow	544-1442-ND	5140.00	EP1S80F1508C7
					STRATIX II			
484-FBGA	15,600	342	1.2V	419,328	Medium	544-1104-ND	235.00	EP2S15F484C4
484-FBGA	15,600	342	1.2V	419,328	Slow	544-1105-ND	190.00	EP2S15F484C5
672-FBGA	15,600	366	1.2V	419,328	Medium	544-1123-ND	265.00	EP2S15F672C4
672-FBGA	15,600	366	1.2V	419,328	Slow	544-1124-ND	215.00	EP2S15F672C5
484-FBGA	33,880	342	1.2V	1,369,728	Medium	544-1106-ND	505.00	EP2S30F484C4
484-FBGA	33,880	342	1.2V	1,369,728	Slow	544-1107-ND	405.00	EP2S30F484C5
672-FBGA	33,880	500	1.2V	1,369,728	Medium	544-1125-ND	560.00	EP2S30F672C4
672-FBGA	33,880	500	1.2V	1,369,728	Slow	544-1126-ND	450.00	EP2S30F672C5
672-FBGA	60,440	492	1.2V	2,544,192	Medium	544-1127-ND	1035.00	EP2S60F672C4
672-FBGA	60,440	492	1.2V	2,544,192	Slow	544-1128-ND	830.00	EP2S60F672C5
1020-FBGA	60,440	718	1.2V	2,544,192	Fast	544-1130-ND	1440.00	EP2S60F1020C3
1020-FBGA	60,440	718	1.2V	2,544,192	Medium	544-1131-ND	1125.00	EP2S60F102C4
1020-FBGA	60,440	718	1.2V	2,544,192	Slow	544-1132-ND	900.00	EP2S60F1020C5
484-FBGA	60,440	334	1.2V	2,544,192	Medium	544-1133-ND	950.00	EP2S60F484C4
484-FBGA	60,440	334	1.2V	2,544,192	Slow	544-1134-ND	760.00	EP2S60F484C5
1020-FBGA	90,960	758	1.2V	4,520,488	Medium	544-1411-ND	2890.00	EP2S90F1020C4
1020-FBGA	90,960	902	1.2V	4,520,488	Slow	544-1465-ND	2315.00	EP2S90F1020C5
1508-FBGA	90,960	902	1.2V	4,520,488	Fast	544-1412-ND	3919.99	EP2S90F1508C3
1508-FBGA	90,960	902	1.2V	4,520,488	Medium	544-1466-ND	3060.01	EP2S90F1508C4
1508-FBGA	90,960	902	1.2V	4,520,488	Slow	544-1467-ND	2449.99	EP2S90F1508C5
780-FBGA	132,540	1,126	1.2V	6,747,840	Medium	544-1461-ND	5725.00	EP2S130F780C4
780-FBGA	132,540	1,126	1.2V	6,747,840	Slow	544-1462-ND	4090.01	EP2S130F780C5
1020-FBGA	132,540	742	1.2V	6,747,840	Medium	544-1413-ND	5725.00	EP2S130F1020C4
1508-FBGA	132,540	1,126	1.2V	6,747,840	Slow	544-1414-ND	4360.01	EP2S130F1508C5
1020-FBGA	132,540	1,126	1.2V	6,747,840	Slow	544-1459-ND	4090.01	EP2S130F1020C5
1508-FBGA	132,540	1,126	1.2V	6,747,840	Medium	544-1460-ND	6100.01	EP2S130F1508C4
1020-FBGA	179,400	742	1.2V	9,383,040	Medium	544-1415-ND	8584.99	EP2S180F1020C4
1020-FBGA	179,400	1,170	1.2V	9,383,040	Slow	544-1463-ND	6135.01	EP2S180F1020C5
1508-FBGA	179,400	1,170	1.2V	9,383,040	Medium	544-1416-ND	9350.01	EP2S180F1508C4
1508-FBGA	179,400	1,170	1.2V	9,383,040	Slow	544-1464-ND	6680.01	EP2S180F1508C5
					FLEX 10K			
240-RQFP	158,000	189	5.0V	24,576	Fast	544-1248-ND	564.00	EPF10K100ARC240-1
240-RQFP	158,000	189	5.0V	24,576	Medium	544-1249-ND	372.00	EPF10K100ARC240-2
240-RQFP	158,000	189	5.0V	24,576	Slow	544-1250-ND	278.00	EPF10K100ARC240-3
240-RQFP	158,000	189	5.0V	24,576	Slow	544-1251-ND	388.00	EPF10K100ARI240-3
240-PQFP	257,000	189	2.5V	49,152	Fast	544-1252-ND	360.00	EPF10K100EQC240-1
240-PQFP	257,000	189	2.5V	49,152	Medium	544-1253-ND	244.00	EPF10K100EQC240-2
240-PQFP	257,000	189	2.5V	49,152	Slow	544-1254-ND	180.00	EPF10K100EQC240-3
208-PQFP	31,000	134	3.3V	6,144	Slow	544-1255-ND	40.00	EPF10K10AQC208-3
144-TQFP	31,000	102	3.3V	6,144	Slow	544-1256-ND	37.00	EPF10K10ATC144-3
208-PQFP	69,000	147	3.3V	12,288	Medium	544-1257-ND	103.00	EPF10K30AQC208-2
208-PQFP	69,000	147	3.3V	12,288	Slow	544-1258-ND	76.00	EPF10K30AQC208-3
240-PQFP	69,000	189	3.3V	12,288	Fast	544-1259-ND	165.00	EPF10K30AQC240-1
240-PQFP	69,000	189	3.3V	12,288	Medium	544-1260-ND	115.00	EPF10K30AQC240-2
240-PQFP	69,000	189	3.3V	12,288	Slow	544-1261-ND	84.00	EPF10K30AQC240-3
240-PQFP	69,000	189	3.3V	12,288	Slow	544-1262-ND	117.50	EPF10K30AQI240-3
144-TQFP	69,000	102	3.3V	12,288	Fast	544-1263-ND	148.00	EPF10K30ATC144-1
144-TQFP	69,000	102	3.3V	12,288	Slow	544-1264-ND	74.00	EPF10K30ATC144-3
144-TQFP	69,000	102	3.3V	12,288	Slow	544-1265-ND	103.00	EPF10K30ATI144-3
208-PQFP	119,000	147	2.5V	24,576	Slow	544-1266-ND	56.00	EPF10K30EQC208-3
144-TQFP	119,000	102	2.5V	24,576	Slow	544-1267-ND	50.00	EPF10K30ETC144-3
240-PQFP	199,000	189	2.5V	40,960	Fast	544-1268-ND	252.00	EPF10K50EQC240-1
240-PQFP	199,000	189	2.5V	40,960	Medium	544-1269-ND	172.00	EPF10K50EQC240-2
240-PQFP	199,000	189	2.5V	40,960	Slow	544-1270-ND	126.00	EPF10K50EQC240-3
					FLEX 6000			
100-TQRF	10,000	71	3.3V	—	Slow	544-1271-ND	17.00	EPF6010ATC100-3
208-PQFP	16,000	171	3.3V	—	Medium	544-1272-ND	39.00	EPF6016AQC208-2
208-PQFP	16,000	171	3.3V	—	Slow	544-1273-ND	27.50	EPF6016AQC208-3
100-TQFP	16,000	81	3.3V	—	Slow	544-1274-ND	23.00	EPF6016ATC100-3
144-TQFP	16,000	117	3.3V	—	Medium	544-1275-ND	33.50	EPF6016ATC144-2
144-TQFP	16,000	117	3.3V	—	Slow	544-1276-ND	24.00	EPF6016ATC144-3
208-PQFP	16,000	171	5.0V	—	Medium	544-1277-ND	39.00	EPF6016QC208-2
208-PQFP	16,000	171	5.0V	—	Slow	544-1278-ND	27.45	EPF6016QC208-3
240-PQFP	16,000	199	5.0V	—	Medium	544-1279-ND	42.00	EPF6016QC240-2
240-PQFP	16,000	199	5.0V	—	Slow	544-1280-ND	29.95	EPF6016QC240-3
144-TQFP	16,000	117	5.0V	—	Medium	544-1281-ND	33.50	EPF6016TC144-2
144-TQFP	16,000	117	5.0V	—	Slow	544-1282-ND	23.95	EPF6016TC144-3
144-TQFP	16,000	117	5.0V	—	Slow	544-1283-ND	33.50	EPF6016TI144-3
208-PQFP	24,000	171	3.3V	—	Medium	544-1284-ND	56.50	EPF6024AQC208-2
208-PQFP	24,000	171	3.3V	—	Slow	544-1285-ND	40.50	EPF6024AQC208-3
240-PQFP	24,000	199	3.3V	—	Medium	544-1286-ND	60.50	EPF6024AQC240-2
240-PQFP	24,000	199	3.3V	—	Slow	544-1287-ND	43.00	EPF6024AQC240-3
144-TQFP	24,000	117	3.3V	—	Slow	544-1288-ND	35.95	EPF6024ATC144-3

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ALTERA® CPLDs

Altera's Max families include the cost-optimized MAX 3000 and the high-performance MAX 7000 CPLD's, each of which offers densities, packages and speed grades to meet a variety of design needs. Altera's MAX CPLD's are non-volatile, single-chip solutions that do not require additional configuration devices. This means that they can be pre-programmed and reprogrammed using in-system programmability (ISP) and will retain the programming algorithm securely, even when the device is powered off.

Package	Macro Cells	Logic Elements	Pin-Pin Delay (ns)	I/O Pins	Voltage (V)	Speed (NS)	Digi-Key Part No.	Price Each	Altera Part No.
MAX II									
100-TQFP	192	240	4.7	80	3.3/2.5	3	544-1144-ND	11.90	EPM240T100C3
100-TQFP	192	240	4.7	80	3.3/2.5	4	544-1145-ND	8.30	EPM240T100C4
100-TQFP	192	240	4.7	80	3.3/2.5	5	544-1146-ND	6.00	EPM240T100C5
100-TQFP	192	240	4.7	80	1.8	3	544-1147-ND	11.90	EPM240GT100C3
100-TQFP	192	240	4.7	80	1.8	3	544-1395-NDΔ	11.90	EPM240GT100C3N
100-TQFP	192	240	4.7	80	1.8	4	544-1148-ND	8.30	EPM240GT100C4
100-TQFP	192	240	4.7	80	1.8	4	544-1396-NDΔ	8.30	EPM240GT100C4N
100-TQFP	192	240	4.7	80	1.8	5	544-1149-ND	6.00	EPM240GT100C5
100-TQFP	192	240	4.7	80	1.8	5	544-1397-NDΔ	6.00	EPM240GT100C5N
256-FBGA	440	570	5.4	160	3.3/2.5	3	544-1294-ND	43.30	EPM570F256C3
256-FBGA	440	570	5.4	160	3.3/2.5	3	544-1312-NDΔ	43.30	EPM570F256C3N
256-FBGA	440	570	5.4	160	3.3/2.5	4	544-1295-ND	30.30	EPM570F256C4
256-FBGA	440	570	5.4	160	3.3/2.5	4	544-1313-NDΔ	30.30	EPM570F256C4N
256-FBGA	440	570	5.4	160	3.3/2.5	5	544-1296-ND	21.70	EPM570F256C5
256-FBGA	440	570	5.4	160	3.3/2.5	5	544-1398-ND†	30.30	EPM570F256I5
256-FBGA	440	570	5.4	160	3.3/2.5	5	544-1314-NDΔ	21.70	EPM570F256C5N
256-FBGA	440	570	5.4	160	3.3/2.5	5	544-1399-NDΔ†	30.30	EPM570F256I5N
100-TQFP	440	570	5.4	76	3.3/2.5	3	544-1297-ND	26.70	EPM570T100C3
100-TQFP	440	570	5.4	76	3.3/2.5	3	544-1315-NDΔ	26.70	EPM570T100C3N
100-TQFP	440	570	5.4	76	3.3/2.5	4	544-1298-ND	18.70	EPM570T100C4
100-TQFP	440	570	5.4	76	3.3/2.5	4	544-1316-NDΔ	18.70	EPM570T100C4N
100-TQFP	440	570	5.4	76	3.3/2.5	5	544-1299-ND	13.30	EPM570T100C5
100-TQFP	440	570	5.4	76	3.3/2.5	5	544-1317-NDΔ	13.30	EPM570T100C5N
144-TQFP	440	570	5.4	116	3.3/2.5	3	544-1300-ND	36.10	EPM570T144C3
144-TQFP	440	570	5.4	116	3.3/2.5	3	544-1318-NDΔ	36.10	EPM570T144G3N
144-TQFP	440	570	5.4	116	3.3/2.5	4	544-1301-ND	25.30	EPM570T144C4
144-TQFP	440	570	5.4	116	3.3/2.5	4	544-1319-NDΔ	25.30	EPM570T144C4N
144-TQFP	440	570	5.4	116	3.3/2.5	5	544-1302-ND	18.10	EPM570T144C5
144-TQFP	440	570	5.4	116	3.3/2.5	5	544-1320-NDΔ	18.10	EPM570T144C5N
256-FBGA	440	570	5.4	160	1.8	3	544-1303-ND	43.30	EPM570GF256C3
256-FBGA	440	570	5.4	160	1.8	3	544-1400-NDΔ	43.30	EPM570GF256C3N
256-FBGA	440	570	5.4	160	1.8	4	544-1304-ND	30.30	EPM570GF256C4
256-FBGA	440	570	5.4	160	1.8	4	544-1401-NDΔ	30.30	EPM570GF256C4N
256-FBGA	440	570	5.4	160	1.8	5	544-1305-ND	21.70	EPM570GF256C5
256-FBGA	440	570	5.4	160	1.8	5	544-1402-NDΔ	21.70	EPM570GF256C5N
100-TQFP	440	570	5.4	76	1.8	3	544-1306-ND	26.70	EPM570GT100C3
100-TQFP	440	570	5.4	76	1.8	3	544-1403-NDΔ	26.70	EPM570GT100C3N
100-TQFP	440	570	5.4	76	1.8	4	544-1307-ND	18.70	EPM570GT100C4
100-TQFP	440	570	5.4	76	1.8	4	544-1404-NDΔ	18.70	EPM570GT100C4N
100-TQFP	440	570	5.4	76	1.8	5	544-1308-ND	13.30	EPM570GT100C5
100-TQFP	440	570	5.4	76	1.8	5	544-1405-NDΔ	13.30	EPM570GT100C5N
144-TQFP	440	570	5.4	116	1.8	3	544-1309-ND	36.10	EPM570GT144C3
144-TQFP	440	570	5.4	116	1.8	3	544-1406-NDΔ	36.10	EPM570GT144C3N
144-TQFP	440	570	5.4	116	1.8	4	544-1310-ND	25.30	EPM570GT144C4
144-TQFP	440	570	5.4	116	1.8	4	544-1407-NDΔ	25.30	EPM570GT144C4N
144-TQFP	440	570	5.4	116	1.8	5	544-1311-ND	18.10	EPM570GT144C5
144-TQFP	440	570	5.4	116	1.8	5	544-1408-NDΔ	18.10	EPM570GT144C5N
256-FBGA	980	1,270	6.2	212	3.3/2.5	3	544-1321-ND	60.00	EPM1270F256C3
256-FBGA	980	1,270	6.2	212	3.3/2.5	4	544-1140-ND	42.00	EPM1270F256C4
256-FBGA	980	1,270	6.2	212	3.3/2.5	5	544-1141-ND	30.00	EPM1270F256C5
256-FBGA	980	1,270	6.2	212	3.3/2.5	5	544-1381-ND†	42.00	EPM1270F256I5
144-TQFP	980	1,270	6.2	116	3.3/2.5	3	544-1324-ND	48.30	EPM1270T144C3
144-TQFP	980	1,270	6.2	116	3.3/2.5	4	544-1142-ND	33.80	EPM1270T144C4
144-TQFP	980	1,270	6.2	116	3.3/2.5	5	544-1143-ND	24.20	EPM1270T144C5
144-TQFP	980	1,270	6.2	116	3.3/2.5	5	544-1388-ND†	33.80	EPM1270T144I5
256-FBGA	980	1,270	6.2	212	1.8	3	544-1327-ND	60.00	EPM1270GF256C3
256-FBGA	980	1,270	6.2	212	1.8	3	544-1382-NDΔ	60.00	EPM1270GF256C3N
256-FBGA	980	1,270	6.2	212	1.8	4	544-1328-ND	42.00	EPM1270GF256C4
256-FBGA	980	1,270	6.2	212	1.8	4	544-1383-NDΔ	42.00	EPM1270GF256C4N
256-FBGA	980	1,270	6.2	212	1.8	5	544-1329-ND	30.00	EPM1270GF256C5
256-FBGA	980	1,270	6.2	212	1.8	5	544-1384-NDΔ	30.00	EPM1270GF256C5N
144-TQFP	980	1,270	6.2	116	1.8	3	544-1330-ND	48.30	EPM1270GT144C3
144-TQFP	980	1,270	6.2	116	1.8	3	544-1385-NDΔ	48.30	EPM1270GT144C3N
144-TQFP	980	1,270	6.2	116	1.8	4	544-1331-ND	33.80	EPM1270GT144C4
144-TQFP	980	1,270	6.2	116	1.8	4	544-1386-NDΔ	33.80	EPM1270GT144C4N
144-TQFP	980	1,270	6.2	116	1.8	5	544-1332-ND	24.20	EPM1270GT144C5
144-TQFP	980	1,270	6.2	116	1.8	5	544-1387-NDΔ	24.20	EPM1270GT144C5N
256-FBGA	980	1,270	6.2	212	3.3/2.5	3	544-1335-NDΔ	48.30	EPM1270T144C3N
256-FBGA	980	1,270	6.2	116	3.3/2.5	4	544-1334-NDΔ	33.80	EPM1270T144C4N
256-FBGA	980	1,270	6.2	116	3.3/2.5	5	544-1333-NDΔ	24.20	EPM1270T144C5N
144-TQFP	980	1,270	6.2	212	3.3/2.5	3	544-1338-NDΔ	60.00	EPM1270F256C3N
144-TQFP	980	1,270	6.2	212	3.3/2.5	4	544-1337-NDΔ	42.00	EPM1270F256C4N
144-TQFP	980	1,270	6.2	212	3.3/2.5	5	544-1336-NDΔ	30.00	EPM1270F256C5N
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	3	544-1341-ND	81.40	EPM2210F256C3
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	4	544-1340-ND	57.00	EPM2210F256C4
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	5	544-1339-ND	40.70	EPM2210F256C5
324-FBGA	1,700	2,210	7.0	272	3.3/2.5	3	544-1344-ND	92.80	EPM2210F324C3
324-FBGA	1,700	2,210	7.0	272	3.3/2.5	4	544-1343-ND	64.90	EPM2210F324C4
324-FBGA	1,700	2,210	7.0	272	3.3/2.5	5	544-1342-ND	46.40	EPM2210F324C5
256-FBGA	1,700	2,210	7.0	204	1.8	3	544-1350-ND	81.40	EPM2210GF256C3
256-FBGA	1,700	2,210	7.0	204	1.8	3	544-1389-NDΔ	81.40	EPM2210GF256C3N
256-FBGA	1,700	2,210	7.0	204	1.8	4	544-1349-ND	57.00	EPM2210GF256C4
256-FBGA	1,700	2,210	7.0	204	1.8	4	544-1390-NDΔ	57.00	EPM2210GF256C4N
256-FBGA	1,700	2,210	7.0	204	1.8	5	544-1348-ND	40.70	EPM2210GF256C5
256-FBGA	1,700	2,210	7.0	204	1.8	5	544-1391-NDΔ	40.70	EPM2210GF256C5N
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	3	544-1356-NDΔ	81.40	EPM2210F256C3N
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	4	544-1355-NDΔ	57.00	EPM2210F256C4N
256-FBGA	1,700	2,210	7.0	204	3.3/2.5	5	544-1354-NDΔ	40.70	EPM2210F256C5N
324-FBGA	1,700	2,210	7.0	272	1.8	3	544-1357-ND	92.80	EPM2210GF324C3
324-FBFA	1,700	2,210	7.0	272	1.8	3	544-1392-NDΔ	92.80	EPM2210GF324C3N
324-FBGA	1,700	2,210	7.0	272	1.8	4	544-1358-ND	64.90	EPM2210GF324C4
324-FBFA	1,700	2,210	7.0	272	1.8	4	544-1393-NDΔ	64.90	EPM2210GF324C4N
324-FBGA	1,700	2,210	7.0	272	1.8	5	544-1359-ND	46.40	EPM2210GF324C5
324-FBFA	1,700	2,210	7.0	272	1.8	5	544-1394-NDΔ	46.40	EPM2210GF324C5N

Package	Macro Cells	Gates	Pin-Pin Delay (ns)	I/O Pins	Voltage (V)	Speed (NS)	Digi-Key Part No.	Price Each	Altera Part No.
MAX 3000A									
44-PLCC	32	600	4.5	34	3.3V	10	544-1150-5-ND*	1.20	EPM3032ALC44-10
44-TQFP	32	600	4.5	34	3.3V	10	544-1151-ND	1.40	EPM3032ATC44-10
44-TQFP	32	600	4.5	34	3.3V	4	544-1152-ND	2.40	EPM3032ATC44-4
44-TQFP	32	600	4.5	34	3.3V	7	544-1153-ND	1.45	EPM3032ATC44-7
44-TQFP	32	600	4.5	34	3.3V	10	544-1154-ND	1.45	EPM3032ATI44-10
44-PLCC	64	1,250	4.5	34	3.3V	10	544-1155-5-ND*	2.10	EPM3064ALC44-10
100-TQFP	64	1,250	4.5	66	3.3V	10	544-1156-ND	3.10	EPM3064ATE100-10
100-TQFP	64	1,250	4.5	66	3.3V	4	544-1157-ND	5.90	EPM3064ATC100-4
100-TQFP	64	1,250	4.5	66	3.3V	7	544-1158-ND	3.75	EPM3064ATC100-7
44-TQFP	64	1,250	4.5	34	3.3V	10	544-1159-ND	2.55	EPM3064ATC44-10
44-TQFP	64	1,250	4.5	34	3.3V	4	544-1160-ND	5.35	EPM3064ATC44-4
44-TQFP	64	1,250	4.5	34	3.3V	7	544-1161-ND	2.90	EPM3064ATC44-7
44-TQFP	64	1,250	4.5	34	3.3V	10	544-1162-ND	2.90	EPM3064ATI44-10
100-TQFP	128	2,500	5.0	80	3.3V	10	544-1163-ND	8.60	EPM3128ATC100-10
100-TQFP	128	2,500	5.0	80	3.3V	5	544-1164-ND	18.75	EPM3128ATC100-5
100-TQFP	128	2,500	5.0	80	3.3V	7	544-1165-ND	11.75	EPM3128ATC100-7
144-TQFP	128	2,500	5.0	96	3.3V	10	544-1166-ND	9.20	EPM3128ATC144-10
144-TQFP	128	2,500	5.0	96	3.3V	5	544-1167-ND	20.00	EPM3128ATC144-5
144-TQFP	128	2,500	5.0	96	3.3V	7	544-1168-ND	12.75	EPM3128ATC144-7
100-TQFP	128	2,500	5.0	80	3.3V	10	544-1169-ND	11.75	EPM3128ATI100-10
208-PQFP	256	5,000	7.5	158	3.3V	10	544-1170-ND	20.00	EPM3256AQC208-10
208-PQFP	256	5,000	7.5	158	3.3V	7	544-1171-ND	26.00	EPM3256AQC208-7
144-TQFP	256	5,000	7.5	116	3.3V	10	544-1172-ND	19.25	EPM3256ATC144-10
144-TQFP	256	5,000	7.5	116	3.3V	7	544-1173-ND	22.75	EPM3256ATC144-7
144-TQFP	256	5,000	7.5	116	3.3V	10	544-1174-ND	22.75	EPM3256ATI144-10
208-PQFP	512	10,000	7.5	172	3.3V	10	544-1175-ND	42.50	EPM3512AQC208-10
208-PQFP	512	10,000	7.5	172	3.3V	7	544-1176-ND	55.00	EPM3512AQC208-7
MAX 7000									
44-PLCC	32	600	5.0	36	5.0V	10	544-1182-5-ND*	6.00	EPM7032SLC44-10
44-PLCC	32	600	5.0	36	5.0V	7	544-1183-5-ND*	8.40	EPM7032SLC44-7
44-PLCC	32	600	5.0	36	5.0V	7	544-1184-5-ND*	10.80	EPM7032SLI44-7
44-TQFP	32	600	5.0	36	5.0V	10	544-1185-ND	6.00	EPM7032STC44-10
44-TQFP	32	600	5.0	36	5.0V	7	544-1186-ND	8.40	EPM7032STC44-7
44-TQFP	32	600	5.0	36	5.0V	7	544-1187-ND	10.80	EPM7032STI44-7
44-PLCC	64	1,250	5.0	36	5.0V	10	544-1195-5-ND*	8.40	EPM7064SLC44-10
44-PLCC	64	1,250	5.0	36	5.0V	7	544-1196-5-ND*	18.60	EPM7064SLC44-7
84-PLCC	64	1,250	5.0	68	5.0V	10	544-1197-5-ND*	15.25	EPM7064SLC84-10
84-PLCC	64	1,250	5.0	68	5.0V	7	544-1198-5-ND*	21.00	EPM7064SLC84-7
100-TQFP	64	1,250	5.0	68	5.0V	10	544-1199-ND	11.20	EPM7064STC100-10
44-TQFP	64	1,250	5.0	36	5.0V	10	544-1200-ND	7.50	EPM7064STC44-10
84-PLCC	128	2,500	6.0	68	5.0V	10	544-1207-5-ND*	30.50	EPM7128SLC84-10
84-PLCC	128	2,500	6.0	68	5.0V	15	544-1208-5-ND*	19.00	EPM7128SLC84-15
100-PQFP	128	2,500	6.0	84	5.0V	10	544-1209-ND	40.50	EPM7128SQC100-10
100-PQFP	128	2,500	6.0	84	5.0V	15	544-1210-ND	24.00	EPM7128SQC100-15
100-TQFP	128	2,500	6.0	84‡	5.0V	10	544-1211-ND	44.00	EPM7128STC100-10
100-TQFP	128	2,500	6.0	84‡	5.0V	15	544-1212-ND	16.75	EPM7128STC100-15
84-PLCC	160	3,200	6.0	64	5.0V	10	544-1213-5-ND*	48.00	EPM7160SLC84-10
100-TQFP	160	3,200	6.0	84	5.0V	10	544-1214-ND	52.50	EPM7160STC100-10
160-PQFP	192	3,750	7.5	124	5.0V	10	544-1215-ND	81.50	EPM7192SQC160-10
160-PQFP	192	3,750	7.5	124	5.0V	15	544-1216-ND	52.50	EPM7192SQC160-15
208-PQFP	256	5,000	7.5	164‡	5.0V	10	544-1219-ND	87.50	EPM7256SQC208-10
208-PQFP	256	5,000	7.5	164‡	5.0V	15	544-1220-ND	70.00	EPM7256SQC208-15
MAX 7000A									
44-PLCC	32	600	4.5	36	3.3V	10	544-1177-5-ND*	2.10	EPM7032AELC44-10
44-TQFP	32	600	4.5	36	3.3V	10	544-1178-ND	2.40	EPM7032AETC44-10
44-TQFP	32	600	4.5	36	3.3V	4	544-1179-ND	4.50	EPM7032AETC44-4
44-TQFP	32	600	4.5	36	3.3V	7	544-1180-ND	3.00	EPM7032AETC44-7
44-TQFP	32	600	4.5	36	3.3V	7	544-1181-ND	3.95	EPM7032AETI44-7
100-TQFP	64	1,250	4.5	68	3.3V	10	544-1188-ND	11.30	EPM7064AETC100-10
100-TQFP	64	1,250	4.5	68	3.3V	4	544-1189-ND	80.50	EPM7064AETC100-4
100-TQFP	64	1,250	4.5	68	3.3V	7	544-1190-ND	40.25	EPM7064AETC100-7
44-TQFP	64	1,250	4.5	36	3.3V	10	544-1191-ND	7.60	EPM7064AETC44-10
44-TQFP	64	1,250	4.5	36	3.3V	4	544-1192-ND	50.00	EPM7064AETC44-4
44-TQFP	64	1,250	4.5	36	3.3V	7	544-1193-ND	25.00	EPM7064AETC44-7
44-TQFP	64	1,250	4.5	36	3.3V	7	544-1194-ND	32.50	EPM7064AETI44-7
84-PLCC	128	2,500	5.0	68	3.3V	10	544-1201-5-ND*	16.00	EPM7128AELC84-10
100-TQFP	128	2,500	5.0	84	3.3V	10	544-1202-ND	16.75	EPM7128AETC100-10
100-TQFP	128	2,500	5.0	84	3.3V	5	544-1203-ND	81.50	EPM7128AETC100-5
100-TQFP	128	2,500	5.0	84	3.3V	7	544-1204-ND	43.50	EPM7128AETC100-7
144-TQFP	128	2,500	5.0	100	3.3V	10	544-1205-ND	29.50	EPM7128AETC144-10
100-TQFP	128	2,500	5.0	84	3.3V	7	544-1206-ND	79.50	EPM7128AETI100-7
100-TQFP	256	5,000	5.5	84	3.3V	10	544-1217-ND	48.50	EPM7256AETC100-10
144-TQFP	256	5,000	5.5	120	3.3V	10	544-1218-ND	59.00	EPM7256AETC144-10

Δ **RoHS Compliant** † Industrial Temperature: -40°C – 100°C * Tube ‡ Perform a complete thermal analysis before committing a design to this device package. For more information, see the *Operating Requirements for Altera Devices Data Sheet*, available at www.digikey.com.

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Configuration Devices

During device operation, Altera® FPGA's store configuration data in SRAM cells. Because SRAM memory is volatile, the SRAM cells must be loaded with configuration data each time the device powers up. You can configure the devices using data stored in an Altera configuration device. Altera configuration devices are offered in different densities and provide a variety of features.

Memory Size (BIT)	On-Chip Decompression Support	ISP Support	Reprogrammable	Voltage (V)	Package	Digi-Key Part No.	Price Each	Altera Part No.
65K	No	No	No	5.0/3.3	8-PDIP	544-1221-5-ND*	5.50	EPC1064PC8
65K	No	No	No	5.0	8-PDIP	544-1368-5-ND*	7.70	EPC1064PI8
65K	No	No	No	5.0	20-PLCC	544-1367-5-ND*	9.10	EPC1064LI20
212K	No	No	No	5.0	8-PDIP	544-1370-5-ND*	13.25	EPC1213PI8
212K	No	No	No	5.0	20-PLCC	544-1369-5-ND*	15.00	EPC1213LI20
400K	No	No	No	5.0/3.3	8-PDIP	544-1224-5-ND*	3.50	EPC1441PC8
400K	No	No	No	5.0/3.3	8-PDIP	544-1225-5-ND*	4.90	EPC1441PI8
400K	No	No	No	5.0/3.3	20-PLCC	544-1223-5-ND*	3.50	EPC1441LC20
440K	No	No	No	5.0/3.3	20-PLCC	544-1371-5-NDΔ*	3.50	EPC1441LC20N
440K	No	No	No	5.0/3.3	32-TQFP	544-1372-ND	3.95	EPC1441TC32
1M	No	No	No	5.0/3.3	8-PDIP	544-1232-5-ND*	15.50	EPC1PI8
1M	No	No	No	5.0/3.3	8-PDIP	544-1375-5-NDΔ*	15.50	EPC1PI8N
1M	No	No	No	5.0/3.3	8-PDIP	544-1222-5-ND*	9.50	EPC1213PC8
1M	No	No	No	5.0/3.3	8-PDIP	544-1231-5-ND*	11.00	EPC1PC8
1M	No	No	Yes	3.3	8-SOIC	544-1241-5-ND*	3.50	EPCS1SI8
1M	No	No	Yes	3.3	8-SOIC	544-1242-5-NDΔ*	3.50	EPCS1SI8N
1M	No	No	No	5.0/3.3	20-PLCC	544-1229-5-ND*	12.50	EPC1LC20
1M	No	No	No	5.0/3.3	20-PLCC	544-1230-5-ND*	17.50	EPC1LI20
1.6M	No	Yes	Yes	5.0/3.3	20-PLCC	544-1233-5-ND*	33.50	EPC2LC20
1.6M	No	Yes	Yes	5.0/3.3	20-PLCC	544-1234-5-ND*	45.00	EPC2LI20
1.6M	No	Yes	Yes	5.0/3.3	20-PLCC	544-1376-5-NDΔ*	33.50	EPC2LC20N
1.6M	No	Yes	Yes	5.0/3.3	32-TQFP	544-1235-ND	37.50	EPC2TC32
1.6M	No	Yes	Yes	5.0/3.3	32-TQFP	544-1236-ND	52.50	EPC2TI32
1.6M	No	Yes	Yes	5.0/3.3	32-TQFP	544-1377-NDΔ	37.50	EPC2TC32N
4M	Yes	Yes	Yes	3.3	100-PQFP	544-1237-ND	41.00	EPC4QC100
4M	Yes	Yes	Yes	3.3	100-PQFP	544-1378-NDΔ	41.00	EPC4QC100N
4M	No	Yes	Yes	3.3	8-SOIC	544-1379-5-NDΔ*	13.00	EPCS4SI8N
8M	Yes	Yes	Yes	3.3	100-PQFP	544-1238-ND	45.00	EPC8QC100
8M	Yes	Yes	Yes	3.3	100-PQFP	544-1239-ND	61.00	EPC8QI100
16M	No	No	Yes	3.3	16-SOIC	544-1240-5-NDΔ*	16.25	EPCS16SI16N
16M	Yes	Yes	Yes	3.3	88-UBGA	544-1228-ND	87.00	EPC16UC88
16M	Yes	No	No	3.3	88-UBGA	544-1374-NDΔ	87.00	EPC16UC88N
16M	Yes	Yes	Yes	3.3	100-PQFP	544-1226-ND	59.00	EPC16QC100
16M	Yes	Yes	Yes	3.3	100-PQFP	544-1227-ND	80.00	EPC16QI100
64M	No	Yes	Yes	3.3	16-SOIC	544-1380-5-NDΔ*	32.50	EPCS64SI16N

Δ RoHS Compliant * Tube

MAX II-DEVKIT-1270

Kit enables user to evaluate the MAX II feature set or begin prototyping a design prior to receiving custom hardware. It includes all software, cables, and accessories needed to ensure an easy and productive evaluation of the MAX II CPLD.

Kit Includes:

Max II Development Board: • MAX II EPM1270F256C5ES CPLD • Universal serial bus (USB) media access control (MAC) with physical layer (PHY) and Type B connector • PCI Edge connector (3.3V and 5V tolerant) • LCD module • SRAM (128K x 8-bit) • Temperature gauge with serial peripheral interface (SPI) • Onboard power meter • Active I/O sense circuitry • One 3.3V tolerant expansion/prototype header (41 available user I/O pins). • Joint Test Action Group (JTAG) connectors • Four user-defined, push-button switches • Four user-defined LED's

Quartus® II Web Edition Design Software

Cable and Accessories: • ByteBlaster™ II Parallel Download Cable • Type A-B USB Cable (3 feet)

Reference Designs and Demos for MAX II including: • USB reference design • PCI reference design • Low power demo • Real-time in-system programmability (ISP) demo

544-1136-ND MAX II Development Kit **$150.00**

NIOS-EVALKIT-1C12

Altera's Nios II evaluation kit provides a low-cost evaluation platform for the popular embedded processor architectures. Altera created this evaluation kit to make your initial Nios II experience easy and productive and to give you good understanding of the Nios II processor software development flow.

Kit Includes:

Nios II Evaluation Board: • Cyclone™ EP1C12F324 • MAX® CPLD EPM7064 configuration controller • 16-Mbytes SDR SDRAM • 8-Mbyte flash • RJ-45 connector and 10/100 Ethernet physical layer (PHY) component • Two 2 x 10 I/O headers • Prototype area with up to 48 available user I/O, plus ground, 3.3V and 5.0V • USB connector, providing power and host communication • Two switches • Ten LED's • Power-on reset circuitry • 24-MHz oscillator • Speaker connector

Design Example and Applications: • Over 12 software example designs

Cores: • Nios II processor cores (with evaluation license)

Development Tools: • Nios II integrated development environment (IDE) (for PC's only) • Quartus® II Web Edition design software (for PC's only) • SOPC Builder system integration tool

Cables and Accessories: • USB Cable • Ethernet Cable (7 feet)

Note: Software engineers do not need any prior FPGA design experience to use the Nios II evaluation kit.

544-1137-ND NIOS II Evaluation Kit with Cyclone EP1C12 ..... **$295.00**

Cubic Cyclonium

Cubic Cyclonium quickly and easily demonstrates the power and flexibility of FPGA's while highlighting the new Cyclone™ device, Nios® embedded processor, SOPC Builder and Quartus® II software.

Kit Includes:

Cubic Cyclonium: • Cyclone EP1C6 Device • MAX® EPM7064AE CPLD configuration control logic • Single data rate (SDR) SDRAM (8-Mbytes, 32-bit wide) • EPCS4 Serial Configuration Device (4Mb) • Universal serial bus (USB 1.1 for communications and power (the Cubic Cyclonium gets its power from the USB port) • 168 LED display (8 x 21) • VGA output connector (VGA cable not included) • 10 I/O pins

Cable: • USB A to B Cable

Getting Started CD with PC-based Application

Getting Started Guide

544-1139-ND Cubic Cyclonium Demo Kit **$167.99**

Programming Unit

The APU is a hardware module that is used together with an appropriate adapter to program Altera devices. The APU connects to a PC via the USB port and receives power from a standard wall power adapter.

544-1244-ND (PL-APU) **$1995.00**

Programming Cable, USB

The USB-Blaster™ download cable interfaces to a standard USB PC port. The cable is a hardware interface to either a standard PC or UNIX workstation RS-232 port or a USB port. It provides configuration data to Excalibur, Mercury, APEX II, APEX 20K, ACEX 1K, FLEX 10K, FLEX 8000 and FLEX 6000 devices and programming data to MAX 9000, MAX 7000S, MAX 3000A, MAX 7000B and MAX 7000A devices. The MasterBlaster supports the SignalTap® feature, which allows designers to view internal device logic nodes with a virtual logic analyzer.

544-1245-ND USB (PL-USB-BLASTER-RB) **$300.00**

ByteBlaster™ Programming Cable

This cable can program and configure 1.8V, 2.5V, 3.3V and 5.0V devices. The cable also provides support for active serial programming of serial configuration devices. This cable drives configuration data from the PC to Stratix, Stratix GX, Cyclone, APEX II, APEX 20K (including APEX 20K, APEX 20KE, and APEX 20KC), ACEX 1K, Mercury, Excalibur, FLEX 10K (including FLEX 10KA and FLEX 10KE), FLEX 8000, and FLEX 6000 devices, as well as programming data to MAX 9000, MAX 7000S, MAX 7000AE, MAX 7000B, MAX 3000A devices and EPC/EPCS configuration devices.

544-1289-ND Parallel-Port Cable (PL-BYTEBLASTER2) **$150.00**

University Program Education Kits

UP3 Education Kits

Kit Includes:

- Quartus II Development Software, Version 4.1
- UP3 Development Board with a Cyclone™ EP1C6/12 Device
- ByteBlaster II Download Cable
- Power Supply

544-1291-ND (UP3-DK-1C6/UNIV) **$249.00**
544-1292-ND (UP3-DK-1C12/UNIV) **$249.00**

UP2 Education Kit

Kit Includes:

- Quartus II Development Software, Version 4.0
- UP2 Development Board with a FLEX 10® EPF10K70 Device
- ByteBlaster Download Cable
- Power Supply
- Digital Design and Implementation with Field Programmable Devices

544-1293-ND (UP2-DEVKIT/UNIV) **$99.00**

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General Purpose

PIC10F Devices

Program Words	RAM Bytes	EEPROM Bytes	I/O Pins	Timer/ Counters 8-bit	UART	I²C™	SPI™	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Pkg.	Digi-Key Part No.	Price Each 1	25	100	Tape & Reel Pricing* 3,000
256 x 12	16	—	4	1	—	—	—	—	—	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	PIC10F200-I/P-ND	1.00	.52	.50	—
														SOT23-6	PIC10F200T-I/OTCT-ND	1.04	.93	.84	460.00/M
256 x 12	16	—	4	1	—	—	—	1	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	SOT-23-6	PIC10F204-I/P-ND	1.08	.55	.54	—
															PIC10F204T-I/OTCT-ND	1.12	1.00	.90	500.00/M
256 x 12	16	—	4	1	—	—	—	2-ch. 8-bit	—	Y (8MHz)	8	2.0 – 5.5	Ind.	8-DIP	PIC10F220-I/P-ND	1.13	.58	.57	—
														SOT-23-6	PIC10F220T-I/OTCT-ND	1.18	1.05	.95	530.00/M
512 X 12	23	—	4	1	—	—	—	2-ch. 8-bit	—	Y (8MHz)	8	2.0 – 5.5	Ind.	8-DIP	PIC10F222-I/P-ND	1.20	.62	.60	—
														SOT-23-6	PIC10F222T-I/OTCT-ND	1.26	1.13	1.02	560.00/M
512 x 12	24	—	4	1	—	—	—	—	1	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	PIC10F202-I/P-ND	1.08	.55	.54	—
														SOT23-6	PIC10F202T-I/OTCT-ND	1.12	1.00	.90	500.00/M
512 x 12	24	—	4	1	—	—	—	—	1	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	PIC10F206-I/P-ND	1.13	.58	.57	—
														SOT23-6	PIC10F206T-I/OTCT-ND	1.18	1.05	.95	530.00/M

*For Tape & Reel Part No., change CT-ND to TR-ND

PIC12F Devices

Program Words	RAM Bytes	EEPROM Bytes	I/O Pins	Timer/ Counters 8/16-bit	UART	I²C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Pkg.	Digi-Key Part No.	Price Each 1	25	100
512 x 12	25	—	6	1/—	—	—	—	—	—	—	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	PIC12F508-I/P-ND	1.25	.64	.62
															8-SOIC	PIC12F508-I/SN-ND	1.18	.61	.59
															8-MSOP	PIC12F508-I/MS-ND	1.33	.67	.66
1K x 12	41	—	6	1/—	—	—	—	—	—	—	Y (4MHz)	4	2.0 – 5.5	Ind.	8-DIP	PIC12F509-I/P-ND	1.33	.67	.66
															8-SOIC	PIC12F509-I/SM-ND	1.25	.64	.62
															8-SOIC	PIC12F509-I/SN-ND	1.25	.64	.62
															8-MSOP	PIC12F509-I/MS-ND	1.38	.71	.69
1K x 14	38	—	6	1/—	—	—	—	—	3-ch. 8-bit	1	Y (8MHz)	8	2.0 – 5.5	Ind.	8-MSOP	PIC12F510-I/MS-ND	1.33	.75	.74
															8-DIP	PIC12F510-I/P-ND	1.25	.72	.70
															8-SOIC	PIC12F510-I/SN-ND	1.20	.69	.67
1K x 14	64	128	6	1/1	—	—	—	—	—	1	Y (4MHz)	20	2.0 – 5.5	Ind.	8-DFN	PIC12F629-I/MD-ND	2.05	1.33	1.29
															8-DFN	PIC12F629-I/MF-ND	1.83	.94	.92
															8-DIP	PIC12F629-I/P-ND	1.75	.90	.88
															8-SOIC	PIC12F629-I/SN-ND	1.60	.82	.80
1K x 14	64	128	6	1/1	—	—	—	—	—	1	Y (4MHz)	20	2.0 – 5.5	Ext.	8-DFN	PIC12F629-E/MF-ND	2.00	1.03	1.00
															8-DIP	PIC12F629-E/P-ND	1.93	.98	.96
															8-SOIC	PIC12F629-E/SN-ND	1.75	.90	.88
1K x 14	64	128	6	1/1	—	—	—	—	—	1	Y (8MHz)	20	2.0 – 5.5	Ind.	8-DFN	PIC12F635-I/MD-ND	2.15	1.11	1.08
															8-DFN	PIC12F635-I/MF-ND	2.15	1.11	1.08
															8-DIP	PIC12F635-I/P-ND	2.08	1.07	1.04
															8-SOIC	PIC12F635-I/SN-ND	1.93	.98	.96
1K x 14	64	128	6	1/1	—	—	—	—	4-ch. 10-bit	1	Y (4MHz)	20	2.0 – 5.5	Ind.	8-DFN	PIC12F675-I/MD-ND	2.53	1.63	1.58
															8-DFN	PIC12F675-I/MF-ND	2.00	1.03	1.00
															8-DIP	PIC12F675-I/P-ND	1.93	.98	.96
															8-SOIC	PIC12F675-I/SN-ND	1.75	.90	.88
1K x 14	64	128	6	1/1	—	—	—	—	4-ch. 10-bit	1	Y (4MHz)	20	2.0 – 5.5	Ext.	8-DFN	PIC12F675-E/MF-ND	2.18	1.12	1.09
															8-DIP	PIC12F675-E/P-ND	2.10	1.07	1.05
															8-SOIC	PIC12F675-E/SN-ND	1.93	.99	.97

PIC16F Devices

Program Words	RAM Bytes	EEPROM Bytes	I/O Pins	Timer/ Counters 8/16-bit	UART	I²C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Pkg.	Digi-Key Part No.	Price Each 1	25	100
512 x 12	25	—	12	1/—	—	—	—	—	—	—	—	20	2.0 – 5.5	Ind.	18-DIP	PIC16F54-I/P-ND	1.18	.61	.59
															18-SOIC	PIC16F54-I/SO-ND	1.05	.54	.53
															20-SSOP	PIC16F54-I/SS-ND	1.05	.54	.53
1K x 14	36	64	13	1/—	—	—	—	—	—	—	—	4	2.0 – 6.0	Com.	18-DIP	PIC16LF83-04/P-ND	6.78	4.05	3.98
														Ind.	18-DIP	PIC16LF83-04I/P-ND	7.43	4.44	4.36
														Com.	18-SOIC	PIC16LF83-04/SO-ND	6.90	4.11	4.04
														Ind.	18-SOIC	PIC16LF83-04I/SO-ND	7.58	4.52	4.44
1K x 12	72	—	12	1/—	—	—	—	—	—	—	Y (4MHz)	20	4.5 – 5.5	Ind.	14-DIP	PIC16F505-I/P-ND	1.53	.79	.77
															14-SOIC	PIC16F505-I/SL-ND	1.35	.69	.67
															14-TSSOP	PIC16F505-I/ST-ND	1.60	.82	.80
1K x 14	67	—	12	1/—	—	—	—	—	3-ch. 8-bit	2	Y (8MHz)	20	2.0 – 5.5	Ind.	14-DIP	PIC16F506-I/P-ND	1.45	.84	.82
															14-SOIC	PIC16F506-I/SL-ND	1.28	.74	.72
															14-TSSOP	PIC16F506-I/ST-ND	1.50	.87	.85
1K x 14	224	128	16	2/1	1 (AUSART)	—	—	1	—	2	Y (4MHz)	20	3.0 – 5.5	Ind.	28-QFN	PIC16F627A-I/ML-ND	3.53	1.77	1.70
															18-DIP	PIC16F627A-I/P-ND	2.95	1.48	1.42
															18-SOIC	PIC16F627A-I/SO-ND	3.00	1.51	1.45
															20-SSOP	PIC16F627A-I/SS-ND	3.23	1.63	1.57
1K x 14	224	128	16	2/1	1 (AUSART)	—	—	1	—	2	Y (4MHz)	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF627A-I/ML-ND	3.60	1.82	1.75
															18-DIP	PIC16LF627A-I/P-ND	3.08	1.55	1.49
															18-SOIC	PIC16LF627A-I/SO-ND	3.18	1.59	1.53
															20-SSOP	PIC16LF627A-I/SS-ND	3.40	1.72	1.65
2K x 14	64	128	12	1/1	—	—	—	—	—	1	Y (4MHz)	20	4.5 – 5.5	Ind.	14-QFN	PIC16F630-I/ML-ND	2.33	1.19	1.16
															14-DIP	PIC16F630-I/P-ND	2.15	1.19	1.16
															14-SOIC	PIC16F630-I/SL-ND	2.08	1.07	1.04
															14-TSSOP	PIC16F630-I/ST-ND	2.40	1.23	1.20
2K x 14	64	128	18	1/1	—	1	1	—	—	2	8 MHz	20	2.0 – 5.5	Ind.	20-QFN	PIC16F631-I/ML-ND	2.20	1.26	1.23
															20-DIP	PIC16F631-I/P-ND	2.00	1.56	1.52
															20-SOIC	PIC16F631-I/SO-ND	2.16	1.25	1.22
															20-SSOP	PIC16F631-I/SS-ND	2.00	1.15	1.12
2K x 14	64	128	12	1/1	—	—	—	—	8-ch. 10-bit	1	Y (4MHz)	20	2.0 – 5.5	Ind.	14-QFN	PIC16F676-I/ML-ND	2.48	1.27	1.24
															14-DIP	PIC16F676-I/P-ND	2.48	1.27	1.24
															14-SOIC	PIC16F676-I/SL-ND	2.23	1.15	1.12
															14-TSSOP	PIC16F676-I/ST-ND	2.55	1.31	1.28

Note: Operating Temperature Range: • Industrial: -40°F ~ 185°F (-40°C ~ 85°C) • Commercial: 32°F ~ 158°F (0°C ~ 70°C) • Extended: -40°F ~ 257°F (-40°C ~ 125°C)

(Continued)

Memory Size				Timer/												Digi-Key	Price Each		
Program Words	RAM Bytes	EEPROM Bytes	I/O Pins	Counters 8/16-bit	UART	I²C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Pkg.	Part No.	1	25	100
1K x 14	128	128	16	2/1	—	1	1	1	5-ch. 10-bit	—	Y (8MHz)	20	4.0 ~ 5.5	Ind.	28-QFN	PIC16F818-I/ML-ND	4.25	2.14	2.06
															18-DIP	PIC16F818-I/P-ND	3.55	1.79	1.71
															18-SOIC	PIC16F818-I/SO-ND	3.60	1.81	1.74
															20-SSOP	PIC16F818-I/SS-ND	3.90	1.96	1.89
1K x 14	128	128	16	2/1	—	1	1	1	5-ch. 10-bit	—	Y (8MHz)	20	2.0 ~ 5.5	Ind.	28-QFN	PIC16LF818-I/ML-ND	4.28	2.15	2.07
															18-DIP	PIC16LF818-I/P-ND	3.73	1.86	1.79
															18-SOIC	PIC16LF818-I/SO-ND	3.80	1.90	1.83
															20-SSOP	PIC16LF818-I/SS-ND	4.13	2.06	1.98
1K x 14	68	64	13	1/1	—	—	—	—	—	—	—	4	2.0 ~ 5.5	Com.	18-DIP	PIC16F84A-04/P-ND	6.13	3.52	3.42
														Ind.	18-DIP	PIC16F84A-04I/P-ND	6.75	3.86	3.75
														Com.	18-SOIC	PIC16F84A-04/SO-ND	6.25	3.58	3.48
														Ind.	18-SOIC	PIC16F84A-04I/SO-ND	6.88	3.93	3.82
														Com.	20-SSOP	PIC16F84A-04/SS-ND	6.65	3.82	3.71
														Ind.	20-SSOP	PIC16F84A-04I/SS-ND	7.28	4.18	4.06
1K x 14	68	64	13	1/1	—	—	—	—	—	—	—	4	2.0 ~ 5.5	Com.	18-DIP	PIC16LF84A-04/P-ND	6.45	3.69	3.59
														Ind.	18-DIP	PIC16LF84A-04I/P-ND	7.05	4.03	3.92
														Com.	18-SOIC	PIC16LF84A-04/SO-ND	6.55	375	3.65
														Ind.	18-SOIC	PIC16LF84A-04I/SO-ND	7.18	4.11	4.00
														Com.	20-SSOP	PIC16LF84A-04/SS-ND	6.98	4.00	3.89
														Ind.	20-SSOP	PIC16LF84A-04I/SS-ND	7.58	4.35	4.23
1K x 14	68	64	13	1/1	—	—	—	—	—	—	—	20	2.0 ~ 5.5	Com.	18-DIP	PIC16F84A-20/P-ND	6.55	3.75	3.65
														Ind.	18-DIP	PIC16F84A-20I/P-ND	7.20	4.13	4.01
														Com.	18-SOIC	PIC16F84A-20/SO-ND	6.65	3.82	3.71
														Ind.	18-SOIC	PIC16F84A-20I/SO-ND	7.30	4.19	4.07
														Com.	20-SSOP	PIC16F84A-20/SS-ND	7.10	4.06	3.94
														Ind.	20-SSOP	PIC16F84A-20I/SS-ND	7.73	4.42	4.30
2K x 12	72	—	20	1/—	—	—	—	—	—	—	—	20	2.0 ~ 5.5	Ind.	28-DIP	PIC16F57-I/P-ND	1.85	.95	.93
															28-SOIC	PIC16F57-I/SO-ND	1.53	.79	.77
															28-DIP .3"	PIC16F57-I/SP-ND	1.85	.95	.93
															28-SSOP	PIC16F57-I/SS-ND	1.48	.75	.74
2K x 12	134	—	32	1/—	—	—	—	—	—	—	—	20	2.0 ~ 5.5	Ind.	40-Dip	PIC16F59-I/P-ND	1.95	1.00	.98
															44-TQFP	PIC16F59-I/PT-ND	1.98	1.02	.99
2K x 14	128	—	12	2/1	—	—	—	—	8-ch. 10-bit	2	Y (8MHz)	20	2.0 ~ 5.5	Ind.	14-QFN	PIC16F616-I/ML-ND	2.00	1.15	1.12
															14-DIP	PIC16F616-I/P-ND	1.90	1.08	1.06
															14-TSSOP	PIC16F616-I/ST-ND	1.93	1.12	1.09
															14-SOIC	PIC16F616-I/SL-ND	1.93	1.12	1.09
2K x 14	224	128	16	2/1	1 (AUSART)	—	—	1	—	2	Y (4MHz)	20	3.0 ~ 5.5	Ind.	28-QFN	PIC16F628A-I/ML-ND	3.88	2.04	2.00
															18-DIP	PIC16F628A-I/P-ND	3.35	1.67	1.61
															18-SOIC	PIC16F628A-I/SO-ND	3.40	1.72	1.65
															20-SSOP	PIC16F628A-I/SS-ND	3.70	1.85	1.78
2K x 14	224	128	16	2/1	1 (AUSART)	—	—	1	—	2	Y (4MHz)	20	2.0 ~ 5.5	Ind.	28-QFN	PIC16LF628A-I/ML-ND	4.05	2.14	2.10
															18-DIP	PIC16LF628A-I/P-ND	3.53	1.77	1.70
															18-SOIC	PIC16LF628A-I/SO-ND	3.58	1.80	1.74
															20-SSOP	PIC16LF628A-I/SS-ND	3.85	1.93	1.86
2K x 14	128	256	12	1/1	—	—	—	—	—	2	Y (8MHz)	20	2.0 ~ 5.5	Ind.	14-QFN	PIC16F636-I/ML-ND	2.48	1.27	1.23
															14-DIP	PIC16F636-I/P-ND	2.48	1.27	1.23
															14-SOIC	PIC16F636-I/SL-ND	2.25	1.15	1.11
															14-TSSOP	PIC16F636-I/ST-ND	2.55	1.31	1.26
2K x 14	128	256	18	1/1	—	—	—	—	12-ch. 10-bit	2	Y (8MHz)	20	2.0 ~ 5.5	Ind.	20-QFN	PIC16F677-I/ML-ND	2.35	1.34	1.30
															20-DIP	PIC16F677-I/P-ND	2.15	1.64	1.60
															20-SOIC	PIC16F677-I/SO-ND	2.30	1.33	1.30
2K x 14	128	256	12	2/1	—	—	—	4	8-ch. 10-bit	2	Y (8MHz)	20	4.0 ~ 5.5	Ind.	16-QFN	PIC16F684-I/ML-ND	2.63	1.35	1.30
															14-DIP	PIC16F684-I/P-ND	2.63	1.35	1.30
															14-SOIC	PIC16F684-I/SL-ND	2.40	1.23	1.20
															14-TSSOP	PIC16F684-I/ST-ND	2.73	1.39	1.34
2K x 14	128	256	18	1/1	1 (EUSART)	1	1	—	12-ch. 10-bit	2	8 MHz	20	4.0 ~ 5.5	Ind.	20-QFN	PIC16F687-I/ML-ND	3.13	1.60	1.55
															20-DIP	PIC16F687-I/P-ND	2.70	1.80	1.74
															20-SOIC	PIC16F687-I/SO-ND	3.08	1.64	1.60
															20-SSOP	PIC16F687-I/SS-ND	2.70	1.39	1.34
2K x 14	128	—	13	2/1	—	—	—	1	4-ch. 8-bit	—	—	20	2.0 ~ 5.5	Ind.	18-DIP	PIC16F716-I/P-ND	1.93	.98	.94
															18-SOIC	PIC16F716-I/SO-ND	1.75	.90	.87
															20-SSOP	PIC16F716-I/SS-ND	2.80	1.61	1.55
2K x 14	128	—	22	2/1	—	1	1	1	5-ch. 8-bit	—	—	20	4.0 ~ 5.5	Ind.	28-DIP .3"	PIC16F72-I/SP-ND	3.75	2.16	2.10
															28-SOIC	PIC16F72-I/SO-ND	3.75	2.16	2.10
															28-SSOP	PIC16F72-I/SS-ND	3.93	2.25	2.18
															28-QFN	PIC16F72-I/ML-ND	3.75	2.16	2.10
2K x 14	128	—	22	2/1	—	1	1	1	5-ch. 8-bit	—	—	20	2.0 ~ 5.5	Ind.	28-QFN	PIC16LF72-I/ML-ND	3.98	2.27	2.20
															28-SOIC	PIC16LF72-I/SO-ND	3.98	2.27	2.20
															28-DIP .3"	PIC16LF72-I/SP-ND	3.98	2.27	2.20
															28-SSOP	PIC16LF72-I/SS-ND	4.13	2.36	2.30
2K x 14	128	256	18	2/1	—	—	—	1	12-ch. 10-bit	2	8 MHz	20	4.0 ~ 5.5	Ind.	20-QFN	PIC16F785-I/ML-ND	3.13	1.60	1.55
															20-DIP	PIC16F785-I/P-ND	3.03	1.72	1.66
															20-SOIC	PIC16F785-I/SO-ND	3.13	1.60	1.55
															20-SSOP	PIC16F785-I/SS-ND	2.73	1.39	1.34
2K x 14	128	128	16	2/1	—	1	1	1	5-ch. 10-bit	—	Y (8MHz)	20	4.0 ~ 5.5	Ind.	28-QFN	PIC16F819-I/ML-ND	4.80	2.40	2.32
															18-DIP	PIC16F819-I/P-ND	4.03	2.03	1.96
															18-SOIC	PIC16F819-I/SO-ND	4.13	2.06	1.99
															20-SSOP	PIC16F819-I/SS-ND	4.40	2.22	2.15
2K x 14	128	128	16	2/1	—	1	1	1	5-ch. 10-bit	—	Y (8MHz)	20	2.0 ~ 5.5	Ind.	28-QFN	PIC16LF819-I/ML-ND	4.80	2.40	2.32
															18-DIP	PIC16LF819-I/P-ND	4.23	2.12	2.05
															18-SOIC	PIC16LF819-I/SO-ND	4.33	2.16	2.09
															20-SSOP	PIC16LF819-I/SS-ND	4.65	2.33	2.25
2K x 14	128	64	22	2/1	1 (AUSART)	—	—	1	5-ch. 10-bit	—	—	20	4.0 ~ 5.5	Ind.	28-SOIC	PIC16F870-I/SO-ND	5.05	2.89	2.81
															28-DIP .3"	PIC16F870-I/SP-ND	5.05	2.89	2.81
															28-SSOP	PIC16F870-I/SS-ND	5.20	2.99	2.90
2K x 14	128	64	22	2/1	1 (AUSART)	—	—	1	5-ch. 10-bit	—	—	20	2.0 ~ 5.5	Ind.	28-SOIC	PIC16LF870-I/SO-ND	5.33	3.05	2.96
															28-DIP .3"	PIC16LF870-I/SP-ND	5.33	3.05	2.96
															28-SSOP	PIC16LF870-I/SS-ND	5.45	3.13	3.04
2K x 14	128	64	33	2/1	1 (AUSART)	—	—	1	8-ch. 10-bit	—	—	20	4.0 ~ 5.5	Ind.	44-PLCC	PIC16F871-I/L-ND	6.70	4.28	4.17
															40-DIP	PIC16F871-I/P-ND	5.98	3.14	3.05
2K x 14	128	64	33	2/1	1 (AUSART)	—	—	1	8-ch. 10-bit	—	—	20	2.0 ~ 5.5	Ind.	44-PLCC	PIC16LF871-I/L-ND	7.05	4.51	4.39
															40-DIP	PIC16LF871-I/P-ND	6.28	3.29	3.20
															44-TQFP	PIC16LF871-I/PT-ND	8.45	4.44	4.32

Note: **Operating Temperature Range:** • Industrial: -40°F ~ 185°F (-40°C ~ 85°C) • Commercial: 32°F ~ 158°F (0°C ~ 70°C) • Extended: -40°F ~ 257°F (-40°C ~ 125°C) *(Continu*

General Purpose *(Cont.)*

PIC16F Devices *(Cont.)*

Memory Size																
Program Words	RAM Bytes	EEPROM Bytes	I/O Pins	Timer/ Counters 8/16-bit	UART	I²C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Pkg.	Digi-Key Part No.	Price Each 1	25	100
2K x 14	128	64	22	2/1	—	1 MI²C	1	1	5-ch. 10-bit	—	—	20	4.0 – 5.5	Ind.	28-SOIC	PIC16F872-I/SO-ND	5.05	2.89	2.81
															28-DIP .3"	PIC16F872-I/SP-ND	5.05	2.89	2.81
															28-SSOP	PIC16F872-I/SS-ND	5.20	2.99	2.90
2K x 14	128	64	22	2/1	—	1 MI²C	1	1	5-ch. 10-bit	—	—	20	2.0 – 5.5	Ind.	28-SOIC	PIC16LF872-I/SO-ND	5.33	3.05	2.96
															28-DIP .3"	PIC16LF872-I/SP-ND	5.33	3.05	2.96
															28-SSOP	PIC16LF872-I/SS-ND	5.45	3.13	3.04
4K x 14	256	256	16	2/1	1 (AUSART)	—	—	1	—	2	Y (4MHz)	20	3.0 – 5.5	Ind.	28-QFN	PIC16F648A-I/ML-ND	4.35	2.13	2.10
															18-DIP	PIC16F648A-I/P-ND	3.80	1.90	1.83
															18-SOIC	PIC16F648A-I/SO-ND	3.88	1.95	1.87
															20-SSOP	PIC16F648A-I/SS-ND	4.18	2.10	2.02
4K X 14	256	256	18	2/1	—	—	—	1	12-ch. 10-bit	2	8 MHz	20	4.0 – 5.5	Ind.	20-QFN	PIC16F685-I/ML-ND	3.28	1.68	1.64
															20-DIP	PIC16F685-I/P-ND	3.03	1.80	1.76
															20-SOIC	PIC16F685-I/SO-ND	3.28	1.68	1.64
															20-SSOP	PIC16F685-I/SS-ND	2.88	1.48	1.44
4K x 14	256	256	12	1/1	1 (EUSART)	—	—	—	8-ch. 10-bit	2	Y (8MHz)	20	2.0 – 5.5	Ind.	14-QFN	PIC16F688-I/ML-ND	2.80	1.44	1.40
															14-DIP	PIC16F688-I/P-ND	2.80	1.44	1.40
															14-SOIC	PIC16F688-I/SL-ND	2.55	1.31	1.28
															14-TSSOP	PIC16F688-I/ST-ND	2.88	1.48	1.44
4K x 14	256	256	18	1/1	1 (EUSART)	1	1	—	12-ch. 10-bit	2	8 MHz	20	4.0 – 5.5	Ind.	20-QFN	PIC16F689-I/ML-ND	3.28	1.68	1.64
															20-DIP	PIC16F689-I/P-ND	3.03	1.80	1.76
															20-SOIC	PIC16F689-I/SO-ND	3.28	1.68	1.64
															20-SSOP	PIC16F689-I/SS-ND	2.88	1.48	1.44
4K x 14	256	256	18	2/1	1 (EUSART)	1	1	1	12-ch. 10-bit	2	8 MHz	20	4.0 – 5.5	Ind.	20-QFN	PIC16F690-I/ML-ND	3.28	1.68	1.64
															20-DIP	PIC16F690-I/P-ND	3.20	1.80	1.76
															20-SOIC	PIC16F690-I/SO-ND	3.28	1.68	1.64
															20-SSOP	PIC16F690-I/SS-ND	2.88	1.48	1.44
4K x 14	192	—	22	2/1	1 (USART)	1	1	2	5-ch. 8-bit	—	—	20	4.0 – 5.5	Ind.	28-QFN	PIC16F73-I/ML-ND	5.85	3.36	3.27
															28-SOIC	PIC16F73-I/SO-ND	5.85	3.36	3.27
															28-DIP .3"	PIC16F73-I/SP-ND	5.85	3.36	3.27
															28-SSOP	PIC16F73-I/SS-ND	6.05	3.46	3.36
4K x 14	192	—	22	2/1	1 (USART)	1	1	2	5-ch. 8-bit	—	—	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF73-I/ML-ND	6.15	3.54	3.44
															28-SOIC	PIC16LF73-I/SO-ND	6.15	3.54	3.44
															28-DIP .3"	PIC16LF73-I/SP-ND	6.15	3.54	3.44
															28-SSOP	PIC16LF73-I/SS-ND	6.33	3.63	3.53
4K x 14	368	—	25	2/1	1 (AUSART)	1 MI²C	1	2	11-ch. 10-bit	2	—	20	4.0 – 5.5	Ind.	28-QFN	PIC16F737-I/ML-ND	7.18	3.77	3.70
															28-SOIC	PIC16F737-I/SO-ND	6.63	3.48	3.42
															28-DIP .3"	PIC16F737-I/SP-ND	6.50	3.41	3.35
															28-SSOP	PIC16F737-I/SS-ND	6.83	3.58	3.52
4K x 14	368	—	25	2/1	1 (AUSART)	1 MI²C	1	2	11-ch. 10-bit	2	—	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF737-I/ML-ND	7.53	3.94	3.87
															28-SOIC	PIC16LF737-I/SO-ND	7.28	3.82	3.75
															28-DIP .3"	PIC16LF737-I/SP-ND	7.15	3.75	3.68
															28-SSOP	PIC16LF737-I/SS-ND	7.38	3.87	3.80
4K x 14	192	—	33	2/1	1 (USART)	1	1	2	8-ch. 8-bit	—	—	20	4.0 – 5.5	Ind.	44-PLCC	PIC16F74-I/L-ND	7.98	4.75	4.66
															44-QFN	PIC16F74-I/ML-ND	8.88	5.10	4.96
															40-DIP	PIC16F74-I/P-ND	7.13	4.08	3.97
															44-TQFP	PIC16F74-I/PT-ND	8.55	4.89	4.76
4K x 14	192	—	33	2/1	1 (USART)	1	1	2	8-ch. 8-bit	—	—	20	2.0 – 5.5	Ind.	44-PLCC	PIC16LF74-I/L-ND	8.38	4.99	4.90
															44-QFN	PIC16LF74-I/ML-ND	9.30	5.33	5.18
															40-DIP	PIC16LF74-I/P-ND	7.48	4.28	4.16
															44-TQFP	PIC16LF74-I/PT-ND	9.00	5.14	5.00
4K x 14	368	—	36	2/1	1 (AUSART)	1 MI²C	1	2	14-ch. 10-bit	2	—	20	4.0 – 5.5	Ind.	40-QFN	PIC16F747-I/ML-ND	8.00	4.20	4.12
															40-DIP	PIC16F747-I/P-ND	7.48	3.92	3.85
															44-TQFP	PIC16F747-I/PT-ND	7.60	3.99	3.92
4K x 14	368	—	36	2/1	1 (AUSART)	1 MI²C	1	2	14-ch. 10-bit	2	—	20	2.0 – 5.5	Ind.	40-QFN	PIC16LF747-I/ML-ND	8.80	4.61	4.53
															40-DIP	PIC16LF747-I/P-ND	8.20	4.31	4.23
															44-TQFP	PIC16LF747-I/PT-ND	8.38	4.40	4.32
4K x 14	368	256	16	2/1	1 (AUSART)	—	—	1	—	2	Y (8MHz)	20	3.0 – 5.5	Ind.	28-QFN	PIC16F87-I/ML-ND	5.25	2.63	2.53
															18-DIP	PIC16F87-I/P-ND	4.65	2.35	2.26
															18-SOIC	PIC16F87-I/SO-ND	4.80	2.40	2.31
															20-SSOP	PIC16F87-I/SS-ND	5.13	2.58	2.48
4K x 14	368	256	16	2/1	1 (AUSART)	—	—	1	—	2	Y (8MHz)	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF87-I/ML-ND	5.48	2.76	2.65
															18-DIP	PIC16LF87-I/P-ND	4.90	2.47	2.37
															18-SOIC	PIC16LF87-I/SO-ND	5.00	2.51	2.41
															20-SSOP	PIC16LF87-I/SS-ND	5.43	2.71	2.61
4K x 14	192	128	22	2/1	1 (AUSART)	1	1	2	5-ch. 10-bit	2	—	20	4.0 – 5.5	Ind.	28-QFN	PIC16F873A-I/ML-ND	7.60	4.36	4.24
															28-SOIC	PIC16F873A-I/SO-ND	7.15	4.10	3.98
															28-DIP .3"	PIC16F873A-I/SP-ND	7.15	4.10	3.98
															28-SSOP	PIC16F873A-I/SS-ND	7.30	4.19	4.07
4K x 14	192	128	22	2/1	1 (AUSART)	1 MI²C	1	2	5-ch. 10-bit	2	—	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF873A-I/ML-ND	7.98	4.57	4.44
															28-SOIC	PIC16LF873A-I/SO-ND	7.53	4.30	4.18
															28-DIP .3"	PIC16LF873A-I/SP-ND	7.53	4.30	4.18
															28-SSOP	PIC16LF873A-I/SS-ND	7.90	4.52	4.39
4K x 14	192	128	33	2/1	1 (AUSART)	1 MI²C	1	2	8-ch. 10-bit	2	—	20	4.0 – 5.5	Ind.	44-PLCC	PIC16F874A-I/L-ND	8.75	5.22	5.12
															44-QFN	PIC16F874A-I/ML-ND	9.00	5.14	5.00
															40-DIP	PIC16F874A-I/P-ND	7.80	4.47	4.35
															44-TQFP	PIC16F874A-I/PT-ND	9.00	5.14	5.00
4K x 14	192	128	33	2/1	1 (AUSART)	1 MI²C	1	2	8-ch. 10-bit	2	—	20	2.0 – 5.5	Ind.	44-PLCC	PIC16LF874A-I/L-ND	9.20	5.48	5.38
															40-DIP	PIC16LF874A-I/P-ND	8.20	4.71	4.58
															44-TQFP	PIC16LF874A-I/PT-ND	9.45	5.41	5.26
4K x 14	368	256	16	2/1	1 (AUSART)	—	1	1	7-ch. 10-bit	2	Y (8MHz)	20	3.0 – 5.5	Ind.	28-QFN	PIC16F88-I/ML-ND	5.58	3.19	3.10
															18-DIP	PIC16F88-I/P-ND	5.00	2.51	2.41
															18-SOIC	PIC16F88-I/SO-ND	5.10	2.57	2.47
															20-SSOP	PIC16F88-I/SS-ND	5.48	2.76	2.65
4K x 14	368	256	16	2/1	1 (AUSART)	—	1	1	7-ch. 10-bit	2	Y (8MHz)	20	2.0 – 5.5	Ind.	28-QFN	PIC16LF88-I/ML-ND	5.85	3.34	3.25
															18-DIP	PIC16LF88-I/P-ND	5.25	2.63	2.53
															18-SOIC	PIC16LF88-I/SO-ND	5.33	2.69	2.59
															20-SSOP	PIC16LF88-I/SS-ND	5.75	2.89	2.78
4K x 14	256	256	25	2/1	1 (EUSART)	1 MI²C	1	2	11-ch. 10-bit	2	Y (8 MHz)	20	2.0 – 5.5	Ind.	28-QFN	PIC16F883-I/ML-ND	3.95	2.26	2.21
															28-SOIC	PIC16F883-I/SO-ND	3.43	1.97	1.92
															28-DIP .3"	PIC16F883-I/SP-ND	3.73	2.13	2.08
															28-SSOP	PIC16F883-I/SS-ND	3.35	1.94	1.89
4K x 14	256	256	36	2/1	1 (EUSART)	1 MI²C	1	2	14-ch. 10-bit	2	Y (8 MHz)	20	2.0 – 5.5	Ind.	44-QFN	PIC16F884-I/ML-ND	4.20	2.41	2.35
															40-DIP	PIC16F884-I/P-ND	3.88	2.23	2.18
															44-TQFP	PIC16F884-I/PT-ND	3.90	2.25	2.19

Note: **Operating Temperature Range:** • Industrial: -40°F – 185°F (-40°C – 85°C) • Commercial: 32°F – 158°F (0°C – 70°C) • Extended: -40°F – 257°F (-40°C – 125°C)

CPU/System Supervisors

Nominal Reset Volt. (V)	Reset Type	Output	Watchdog Timer	Manual Reset	Package	Vcc Range (V)	Digi-Key Part No.	Price Each 1	25	100	Tape and Reel* Size	Pricing
2.625	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-270DI/TO-ND	.33	.25	.24	—	—
2.925	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-300DI/TO-ND	.33	.25	.24	—	—
3.075	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-315DI/TO-ND	.33	.25	.24	—	—
4.375	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-450DI/TO-ND	.33	.25	.24	—	—
4.475	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-460DI/TO-ND	.33	.25	.24	—	—
4.725	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-485DI/TO-ND	.33	.25	.24	—	—
2.625	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-270HI/TO-ND	.33	.25	.24	—	—
2.925	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-300HI/TO-ND	.33	.25	.24	—	—
3.075	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-315HI/TO-ND	.33	.25	.24	—	—
4.375	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-450HI/TO-ND	.33	.25	.24	—	—
4.625	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-475HI/TO-ND	.33	.25	.24	—	—
4.725	Active Low	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP100-485HI/TO-ND	.33	.25	.24	—	—
2.625	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-270I/TTCT-ND	.36	.33	.30	3,000	240.00/M
2.925	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-300I/TTCT-ND	.36	.33	.30	3,000	240.00/M
3.075	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-315I/TTCT-ND	.36	.33	.30	3,000	240.00/M
4.375	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-450I/TTCT-ND	.36	.33	.30	3,000	240.00/M
4.475	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-460I/TTCT-ND	.36	.33	.30	3,000	240.00/M
4.625	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-475I/TTCT-ND	.36	.33	.30	3,000	240.00/M
4.725	Active Low	CMOS Push-Pull	No	No	SOT23-5	1.0-5.5	MCP100T-485I/TTCT-ND	.36	.33	.30	3,000	240.00/M
2.625	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-270DI/TO-ND	.33	.25	.24	—	—
2.925	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-300DI/TO-ND	.33	.25	.24	—	—
3.075	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-315DI/TO-ND	.33	.25	.24	—	—
4.375	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-450DI/TO-ND	.33	.25	.24	—	—
4.475	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-460DI/TO-ND	.33	.25	.24	—	—
4.625	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-475DI/TO-ND	.33	.25	.24	—	—
4.725	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-485DI/TO-ND	.33	.25	.24	—	—
2.625	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-270HI/TO-ND	.33	.25	.24	—	—
2.925	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-300HI/TO-ND	.33	.25	.24	—	—
3.075	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-315HI/TO-ND	.33	.25	.24	—	—
4.375	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-450HI/TO-ND	.33	.25	.24	—	—
4.475	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-460HI/TO-ND	.33	.25	.24	—	—
4.625	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-475HI/TO-ND	.33	.25	.24	—	—
4.725	Active High	CMOS Push-Pull	No	No	TO-92	1.0-5.5	MCP101-485HI/TO-ND	.33	.25	.24	—	—
1.900	Active Low	Push-Pull	No	No	TO-92	1.0-5.5	MCP102-195I/TO-ND	.48	.33	.31	—	—
1.900	Active Low	Push-Pull	No	No	SC-70	1.0-5.5	MCP102T-195I/LBCT-ND	.53	.48	.43	3,000	310.00/M
1.900	Active Low	Push-Pull	No	No	SOT-23B	1.0-5.5	MCP102T-195I/TTCT-ND	.53	.48	.43	3,000	310.00/M
1.900	Active Low	Push-Pull	No	No	SC-70	1.0-5.5	MCP103T-195I/LBCT-ND	.53	.48	.43	3,000	310.00/M
1.900	Active Low	Push-Pull	No	No	SOT-23B	1.0-5.5	MCP103T-195I/TTCT-ND	.53	.48	.43	3,000	310.00/M
2.625	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-270DI/TO-ND	.43	.33	.32	—	—
2.925	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-300DI/TO-ND	.43	.33	.32	—	—
4.375	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-450DI/TO-ND	.43	.33	.32	—	—
4.475	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-460DI/TO-ND	.43	.33	.32	—	—
4.625	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-475DI/TO-ND	.43	.33	.32	—	—
4.725	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP120-485DI/TO-ND	.43	.33	.32	—	—
2.625	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-270I/TTCT-ND	.48	.43	.39	3,000	320.00/M
2.925	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-300I/TTCT-ND	.48	.43	.39	3,000	320.00/M
3.075	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-315I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.375	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-450I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.475	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-460I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.625	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-475I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.725	Active Low	Open Drain	No	No	SOT-23	1.0-5.5	MCP120T-485I/TTCT-ND	.48	.43	.39	3,000	320.00/M
1.900	Active Low	Open Drain	No	No	TO-92	1.0-5.5	MCP121-195I/TO-ND	.48	.32	.31	—	—
1.900	Active Low	Open Drain	No	No	SC-70	1.0-5.5	MCP121T-195I/LBCT-ND	.53	.48	.43	3,000	310.00/M
1.900	Active Low	Open Drain	No	No	SOT-23B	1.0-5.5	MCP121T-195I/TTCT-ND	.53	.48	.43	3,000	310.00/M
2.625	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-270DI/TO-ND	.43	.31	.30	—	—
2.925	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-300DI/TO-ND	.43	.31	.30	—	—
3.075	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-315DI/TO-ND	.43	.31	.30	—	—
4.375	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-450DI/TO-ND	.43	.31	.30	—	—
4.475	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-460DI/TO-ND	.43	.31	.30	—	—
4.625	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-475DI/TO-ND	.43	.31	.30	—	—
4.725	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP130-485DI/TO-ND	.43	.31	.30	—	—
2.625	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-270I/TTCT-ND	.48	.43	.39	3,000	300.00/M
2.925	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-300I/TTCT-ND	.48	.43	.39	3,000	300.00/M
3.075	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-315I/TTCT-ND	.48	.43	.39	3,000	300.00/M
4.375	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-450I/TTCT-ND	.48	.43	.39	3,000	300.00/M
4.475	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-460I/TTCT-ND	.48	.43	.39	3,000	300.00/M
4.625	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-475I/TTCT-ND	.48	.43	.39	3,000	300.00/M
4.725	Active Low	Open Drain †	No	No	SOT-23	1.0-5.5	MCP130T-485I/TTCT-ND	.48	.43	.39	3,000	300.00/M
1.900	Active Low	Open Drain †	No	No	TO-92	1.0-5.5	MCP131-195I/TO-ND	.48	.32	.31	—	—
1.900	Active Low	Open Drain †	No	No	SC-70	1.0-5.5	MCP131T-195I/LBCT-ND	.53	.48	.43	3,000	310.00/M
1.900	Active Low	Open Drain †	No	No	SOT-23B	1.0-5.5	MCP131T-195I/TTCT-ND	.53	.48	.43	3,000	310.00/M
2.625	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-270I/TTCT-ND	.48	.43	.39	3,000	320.00/M
2.925	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-300I/TTCT-ND	.48	.43	.39	3,000	320.00/M
3.075	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-315I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.375	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-450I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.475	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-460I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.625	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-475I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.725	Active Low	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP809T-485I/TTCT-ND	.48	.43	.39	3,000	320.00/M
2.625	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-270I/TTCT-ND	.48	.43	.39	3,000	320.00/M
2.925	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-300I/TTCT-ND	.48	.43	.39	3,000	320.00/M
3.075	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-315I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.375	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-450I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.475	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-460I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.625	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-475I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.725	Active High	CMOS Push-Pull	No	No	SOT-23	1.0-5.5	MCP810T-485I/TTCT-ND	.48	.43	.39	3,000	320.00/M
4.5	Active Low	Open Drain	Yes	No	SOT-223	4.5-5.5	TC32MEDB713CT-ND	1.87	1.62	1.46	4,000	1190.00/M
4.5	Active Low	Open Drain	Yes	No	TO-92	4.5-5.5	TC32MCZB-ND	1.75	1.08	1.00	—	—
4.62 and 4.37	Active Low/High	Open Drain	Yes	No	8-SOIC	4.5-5.5	TC1232COA-ND	1.15	.75	.71	—	—
4.62 and 4.37	Active Low/High	Open Drain	Yes	No	16-SOIC	4.5-5.5	TC1232COE-ND	1.98	1.29	1.23	—	—
4.62 and 4.37	Active Low/High	Open Drain	Yes	No	8-DIP	4.5-5.5	TC1232CPA-ND	1.15	.75	.71	—	—
4.62 and 4.37	Active Low/High	Open Drain	Yes	No	8-SOIC	4.5-5.5	TC1232EOA-ND	1.15	.75	.71	—	—
4.62 and 4.37	Active Low/High	Open Drain	Yes	No	8-DIP	4.5-5.5	TC1232EPA-ND	1.15	.75	.71	—	—
1.75	Active Low	CMOS Push-Pull	No	No	SOT-143-4	1.2-5.5	TC1270FERCCT-ND	.64	.58	.52	3,000	360.00/M
2.93	Active Low	CMOS Push-Pull	No	No	SOT-143	1.2-5.5	TC1270SERCCT-ND	.64	.58	.52	3,000	360.00/M
3.08	Active Low	CMOS Push-Pull	No	No	SOT-143-4	1.2-5.5	TC1270TERCTRCT-ND	.58	.46	.41	3,000	360.00/M
4.38	Active High	CMOS Push-Pull	No	No	SOT-143-4	1.2-5.5	TC1271MERCCT-ND	.64	.58	.52	3,000	360.00/M
4.62	Active Low	Open Drain	No	No	SOT-23B-3	1.2-5.5	TC1273-5ENBCT-ND	.64	.58	.52	3,000	360.00/M
4.12	Active High	CMOS Push-Pull	No	No	SOT-23B-3	1.8-5.5	TC1274-15ENBCT-ND	.64	.58	.52	3,000	360.00/M
4.62	Active High	CMOS Push-Pull	No	No	STO-23B-3	1.8-5.5	TC1274-5ENBCT-ND	.64	.58	.52	3,000	360.00/M
2.88	Active Low	CMOS Push-Pull	No	No	SOT-23B	1.2-5.5	TC1275-10ENBCT-ND	.64	.58	.52	3,000	360.00/M

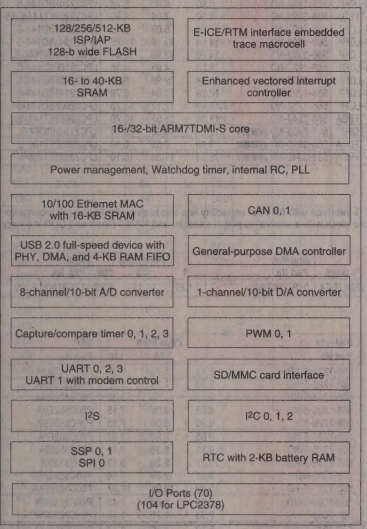
*For Tape and Reel Part No., change CT-ND to TR-ND. †with 5k Ω pull-up

No-Bottleneck - Extremely High-Bandwidth MCU with Ethernet, USB, & CAN interfaces

Why re-invent your code? **NXP** makes your design experience better by providing you:

- Consistently higher-performance peripherals with deeper buffers and better functionality
- Coherent internal architecture using standard cores, peripheral blocks, and internal busses
- Faster 0-wait-state Flash memory, no-bottleneck, high-bandwidth interfaces, and better DMA engines

All of which make code re-use easy and assist you to focus on improving your design within your too-short development cycle.


128/256/512-KB ISP/IAP 128-b wide FLASH
E-ICE/RTM interface embedded trace macrocell
16- to 40-KB SRAM
Enhanced vectored interrupt controller
16-/32-bit ARM7TDMI-S core
Power management, Watchdog timer, internal RC, PLL
10/100 Ethernet MAC with 16-KB SRAM
CAN 0, 1
USB 2.0 full-speed device with PHY, DMA, and 4-KB RAM FIFO
General-purpose DMA controller
8-channel/10-bit A/D converter
1-channel/10-bit D/A converter
Capture/compare timer 0, 1, 2, 3
PWM 0, 1
UART 0, 2, 3
UART 1 with modem control
SD/MMC card interface
I2S
I2C 0, 1, 2
SSP 0, 1
SPI 0
RTC with 2-KB battery RAM
I/O Ports (70)
(104 for LPC2378)

High-Performance Features	LPC23xx	LPC24xx
72Mhz ARM7TDMI-S		
Flash **(0-wait up to 72Mhz)**	up to 512KB	up to 512KB
SRAM	up to 58KB	up to 96KB
Battery-backed SRAM 2KByte		
External Memory Controller	8-bit MiniBus	non-multiplexed 32-bit
Ethernet 10/100 MAC w/DMA	Reduced MII	RMII and MII
USB 2.0 Full Speed w/DMA	Device w/PHY	Host and Device w/PHY
USB 2.0 On-The-Go controller	no	yes
CAN2.0B (two channels)	yes	yes

Common to both families:

- **On-chip RC**-oscillator — 4Mhz **trimmed to 1%**
- Four 32-bit general purpose **timers**
- **PWM block** supporting 3-Phase Motor Control
- Watchdog timer from multiple clock source options
- **ADC** 8 channel x 10-bit and 10-bit **DAC**
- Low-power **Real Time Clock** with 2 KB SRAM and battery back-up
- 3x General purpose DMA controllers
- **High-speed Serial**: I²S (digital Audio), 3x I²C, 3x SPI/SSP, 4x UARTs
- **SD/MMC** memory card interface
- Single 3.3V power supply (3.0 to 3.6V)
- Multiple Power-Down Modes

Ordering information

Type number	Package	Flash (KB)	Total SRAM	External bus	CAN	SD/MMC
LPC2364FBD100	LQFP100	128	34 KB	N	2	N
LPC2366FBD100	LQFP100	256	58 KB	N	2	N
LPC2368FBD100	LQFP100	512	58 KB	N	2	Y
LPC2378FBD144	LQFP144	512	58 KB	MiniBus	2	Y

10/100 Full-Duplex Ethernet Option of full Media Independent Interface, or Reduced MII. Multiple DMA channels & large buffers ensure full bandwidth.

True USB 2.0 and True Full-Speed Only **NXP** ARM Microcontrollers support all modes and all 32 endpoints. The NXP ARM-based USB interfaces give you better than 8Mbps data throughput (8x performance over competitor's FS USB). Larger buffers and Multi-DMA channels prevent data-bottlenecks and off-load the processor; freeing you to do more with your application code.

Dual CAN 2.0B Two certified CAN 2.0B interfaces provide robust communications support for many products including industrial, medical, transportation, and sensor interface. Recognizes all 11- and 29-bit identifiers.

Dedicated and General, Multi-channel DMA Supporting scatter-gather, big-little endian swap, memory-to-memory, peripheral-to-peripheral, memory-to-peripheral, and peripheral-to-memory transfers on multiple channels, and a wealth of additional features; the LPC23xx makes it easy to keep your code focused on your application - not on pushing data around.

Why waste cycles paging code to RAM, servicing peripherals with small buffers, or managing interface data transfer?

NXP Semiconductors has always provided the widest range of internally-compatible, highest-bandwidth, ARM-based MCUs available: (63-MIPS) LPC2101 - through the (220-MIPS) ARM9-based LPC3180 family, all with 0-wait-state flash and consistent internal structure and features, to further protect your code investment, maximize the value of your development schedule, and help you give your products the advantages they require.

LPC2000/LPC3000/8051 Microcontrollers

LPC2000 ARM7 Microcontroller

The LPC2000 architecture is based on a 16/32 bit ARM7TDMI-S™ CPU with real-time emulation and embedded trace support. A 128 bit wide memory interface and a unique accelerator architecture enable 32 bit code execution at maximum clock rate. For critical code size applications, the alternative 16-bit Thumb™ mode reduces code by more than 30% with minimal performance penalty. Due to their tiny size and low power consumption, these microcontrollers are ideal for applications where miniaturization is a key requirement. **Features:** • 16/32 bit ARM7TDMI-S processor • Up to 8/16/32/40/64 kB on-chip Static RAM • In-System Programming (ISP) and In-Application Programming (IAP) via on-chip boot loader software • Vectored Interrupt Controller with configurable priorities and vector addresses • Embedded ICE-RT interface enables breakpoints and watch points. Interrupt service routines can continue to execute whilst the foreground task is debugged with the on-chip RealMonitor™ software. • Embedded Trace Macrocell enables non-intrusive high speed real-time tracing of instruction execution • Multiple serial interfaces

Memory		No. of								Max. Freq.	Temp. (°C)	I/O	CPU		Digi-Key	Price Each			NXP
RAM	Flash	PWM	Timers	ADC	DAC	I/O	USB	UART	I²C	CAN	SPI	(MHz)	Range	Voltage	Voltage	Package	Part No.	1	25	100	Part No.
2K	8K	Y		8-Ch., 10-Bit					Y(2)		Y(2)	70	-40 ~ 85				568-2092-ND	3.15	2.52	1.96	LPC2101FBD48-S
4K	16K	Y		8-Ch., 10-Bit					Y(2)		Y(2)	70	-40 ~ 85				568-2093-ND	3.96	3.17	2.47	LPC2102FBD48-S
8K	32K	Y	4	8-Ch., 10-Bit	—	32	—	Y(2)	Y(2)	—	Y(2)	70	-40 ~ 85	3.3V	1.8V	48-LQFP	568-2094-ND	4.70	3.77	2.93	LPC2103FBD48-S
16K	128K	4		—					Y		—	60	0 ~ 70				568-1220-ND	9.40	7.52	6.35	LPC2104BBD48-S
32K	128K	Y		—					Y		Y	60	0 ~ 70				568-2242-ND	8.19	7.65	7.10	LPC2105BBD48-S
64K				—		32			Y	—	Y		0 ~ 70			48-LQFP	568-1221-ND	11.88	10.70	9.49	LPC2106BBD48-S
64K				—		32			Y	—	Y		-40 ~ 85			48-HVQFN	568-1324-ND	12.03	10.83	9.61	LPC2106FHN48-S
64K	128K	Y	4	—	—	32	—	Y(2)	Y	—	Y	60	-40 ~ 85	3.3V	1.8V	48-LQFP	568-1890-ND	11.88	10.70	9.49	LPC2106FBD48-S
16K				8-Ch., 10-Bit		112			Y(2)	Y(2)	Y(2)		-40 ~ 85			64-LQFP	568-1222-ND	9.98	7.99	6.74	LPC2114FBD64-S
16K				4-Ch., 10-Bit		46			Y	Y(2)	Y(2)		-40 ~ 85			64-LQFP	568-1223-ND	9.50	8.55	7.59	LPC2119FBD64-S
16K	256K			4-Ch., 10-Bit	—	46			Y	—					1.8V	64-LQFP	568-1224-5-ND	9.50	8.55	7.59	LPC2124FBD64-S
16K	256K			4-Ch., 10-Bit	—	46			Y	Y(2)					1.8V	64-LQFP	568-1225-ND	10.68	9.62	8.53	LPC2129FBD64-S
8K	32K	Y	4	8-Ch., 10-Bit	—	47	—	Y(2)	Y(2)	—	Y(2)	60	-40 ~ 85	3.3V	3.3V	64-LQFP	568-1891-ND	6.08	4.87	4.11	LPC2131FBD64-S
16K	64K			8-Ch., 10-Bit	1-Ch., 10-Bit	47			Y(2)						3.3V	64-LQFP	568-1892-ND	7.42	5.94	5.01	LPC2132FBD64-S
16K	64K			8-Ch., 10-Bit	1-Ch., 10-Bit	47			Y(2)	—					1.8V	64-HVQFN	568-2243-ND	5.78	5.39	5.01	LPC2132FHN64
16K	128K			8-Ch., 10-Bit (2)	1-Ch., 10-Bit	47	—								3.3V	64-LQFP	568-1893-ND	9.98	7.99	6.74	LPC2134FBD64-S
32K	256K			8-Ch., 10-Bit (2)	1-Ch., 10-Bit	47	—								3.3V	64-LQFP	568-1894-ND	9.98	8.99	7.97	LPC2136FBD64-S
32K	512K	Y	4	8-Ch., 10-Bit (2)	1-Ch., 10-Bit	46	—	Y(2)	Y(2)	—	Y(2)	60	-40 ~ 85	3.3V	1.8V	64-LQFP	568-1226-ND	11.08	9.98	8.85	LPC2138FBD64-S
32K	512K			8-Ch., 10-Bit (2)	1-Ch., 10-Bit	47	—								1.8V	64-HVQFN	568-2091-ND	11.31	10.19	9.04	LPC2138FHN64
8K	32K			6-Ch., 10-Bit	—	45	Y								3.3V	64-LQFP	568-1761-ND	6.84	5.48	4.62	LPC2141FBD64-S
16K	64K			6-Ch., 10-Bit	1-Ch., 10-Bit	45	Y		Y(2)	—			-40 ~ 85		3.3V		568-1762-ND	7.98	6.39	5.39	LPC2142FBD64-S
16K	128K			6-Ch., 10-Bit	1-Ch., 10-Bit	45	Y		Y(2)	—			-40 ~ 85		3.3V		568-1763-ND	8.95	8.06	7.15	LPC2144FBD64-S
40K	256K	Y	4	8+6-Ch., 10-Bit	1-Ch., 10-Bit	45	Y	Y(2)	Y(2)	—	Y(2)	60	-40 ~ 85	3.3V	3.3V	64-LQFP	568-1764-ND	10.68	9.62	8.53	LPC2146FBD64-S
40K	512K			8+6-Ch., 10-Bit	1-Ch., 10-Bit	45	Y		Y(2)	—			-40 ~ 85		3.3V		568-1765-ND	11.88	10.70	9.49	LPC2148FBD64-S
16K	256K			4-Ch., 10-Bit	—	46	—		Y	Y(4)			-40 ~ 105		1.8V		568-1895-ND	11.88	10.70	9.49	LPC2194JBD64-S
64K	—					76				—		75	-40 ~ 85			144-LQFP	568-1896-ND	8.50	6.80	5.74	LPC2220FBD144-S
64K	—					76				—		75	-40 ~ 85			144-TFBGA	568-2020-ND	8.80	7.04	5.94	LPC2220FET144/G,55
16K	—	Y	4	8-Ch., 10-Bit	—	76	—	Y(2)	Y	Y(2)	Y(2)	60	-40 ~ 85	3.3V	1.8V	144-LQFP	568-1897-ND	7.60	6.08	5.13	LPC2290FBD144-S
16K	256K					112				Y(4)		60	-40 ~ 105			144-LQFP	568-1898-ND	14.64	13.19	11.70	LPC2294JBD144-S
16K	256K					112				Y(4)		60	-40 ~ 125			144-LQFP	568-2383-ND	14.99	13.55	12.01	LPC2294HBD144-S
	—					76				—						144-LQFP	568-1227-ND	6.18	4.95	4.18	LPC2210FBD144-S
	128K					112				—						144-LQFP	568-1228-ND	11.08	9.98	8.85	LPC2212FBD144-S
16K	256K	Y	4	8-Ch., 10-Bit	—	112	—	Y(2)	Y	—	Y(2)	60	-40 ~ 85	3.3V	1.8V	144-LQFP	568-1229-ND	12.26	11.04	9.79	LPC2214FBD144-S
	256K					112				Y(2)						144-LQFP	568-1230-ND	13.46	12.12	10.75	LPC2292FBD144-S
	256K					112				Y(2)						144-TFBGA	568-2244-ND	12.35	11.53	10.70	LPC2292FET144-S
16K	256K	Y	2	4-Ch., 10-Bit	—	46	—	Y(2)	Y	Y(4)	Y(2)	30	-40 ~ 105	3.3V	1.8V	64-LQFP	568-2455-ND **NEW!**	12.20	10.98	9.74	LPC2194HBD64-S
64K	—		4	5-Ch., 10-Bit	—	79	Y	Y	Y	—	—	60	-40 ~ 85	3.3V	1.8V	180-TFBGA	568-3245-ND **NEW!**	9.48	7.59	6.40	LPC2880FET180-S
64K	1MB	—	4	5-Ch., 10-Bit	—	79	Y	Y	Y	—	—	60	-40 ~ 85	3.3V	1.8V	180-TFBGA	568-3246-ND **NEW!**	12.64	11.39	10.10	LPC2888FET180-S

NEW! LPC3000 ARM9 Microcontroller

The LPC3180 is based on the ARM926EJ-S core and offers a hardware vector floating-point unit for speed and efficiency. An integrated USB OTG interface with full host capability lets this high performance microcontroller connect directly to PDAs, smart-card readers, and printers. The large array of peripherals available on chip also include UARTs, SPI, I2C, a real-time clock with a separated power domain, and NAND Flash and DDR memory controllers.

Memory			No. of									Max. Freq.	Temp. (°C)	I/O	CPU		Digi-Key	Price Each			NXP
RAM	Flash	PWM	Timers	ADC	DAC	I/O	USB	UART	I²C	CAN	SPI	(MHz)	Range	Voltage	Voltage	Package	Part No.	1	25	100	Part No.
64K	—	2	4	3-Ch., 10-Bit	—	55	Y	Y(7)	Y(2)	—	Y(2)	208	-40 ~ 85	3/1.8V	1.2V	320-LFBGA	568-3242-ND	11.25	10.13	8.98	LPC3180FLE320

8051 Microcontrollers

Memory				No. of						ADC	DAC	Analog		Max. Freq.	Temperature		Digi-Key	Price Each			NXP
RAM	EEPROM	OTP	Flash	Timers	PWM	UART	I²C	CAN	SPI	Ch./Bits	Ch./Bits	Compar.	I/O	MHz @ 5V	Range (°C)	Package	Part No.	1	25	100	Part No.
128B					—		—			—			32	16		44-PLCC	568-1232-5-ND	2.13	1.70	1.28	P80C031SBAA
256B					—		—			—			32	16		44-PLCC	568-1233-5-ND	2.20	1.76	1.32	P80C032SBAA
256B	—	—	—	3	—	Y	—	—	—	—	—	—	32	33	0 ~ 70	44-PLCC	568-1234-5-ND	2.20	1.76	1.32	P80C032UBAA
256B				3	Y		Y			8/10			48	24		68-PLCC	568-1235-5-ND	8.95	8.06	7.15	P80C552EBA
256B					Y		Y			8/10			48	24		80-QFP	568-1236-ND	8.95	8.06	7.15	P80C552EBB
256B				3	Y					8/10			48	24		68-PLCC	568-1237-5-ND	9.85	8.87	7.87	P80C552EFA
256B				3	Y					8/10			48	24	0 ~ 70	68-PLCC	568-1238-5-ND	9.31	8.39	7.44	P80C552IBA
256B	—	—	—	3	Y	Y	Y	—	—	8/10	—	—	48	24	-40 ~ 85	68-PLCC	568-1239-5-ND	10.21	9.20	8.16	P80C552IFA
512B				3	Y					7/10			48	16	-40 ~ 85	64-LQFP	568-2086-ND	9.31	8.39	7.44	P80C554SFBD
512B				2	Y(2)				Y	8/10			40	16	-40 ~ 85	68-PLCC	568-1241-5-ND	15.49	13.95	12.37	P80C592FFAA
128B				3	—	—	—	—	—	—	—	—	32	33	0 ~ 70	40-DIP	568-1004-5-ND	2.33	1.86	1.40	P80C031SBPN
256B																	568-1005-5-ND	2.33	1.86	1.40	P80C032SBPN
256B		8K		3		Y				—			32	16	-40 ~ 85		568-1242-5-ND	6.12	4.90	4.14	P87C51FA-4A
2K		64K		4		Y(2)				Y			34	24	0 ~ 70		568-1243-5-ND	8.06	6.45	5.45	P87C51MB2BA/02-S
3K	—	96K	—	4	—	Y(2)	—	—	—	Y	—	—	34	24	0 ~ 70	44-PLCC	568-1244-5-ND	8.88	7.11	6.00	P87C51MC2BA/02-S
512B		16K		3		Y				—			32	16	0 ~ 70		568-1245-5-ND	5.58	4.47	3.48	P87C51RB+4A
128B		4K		3		Y				—			32	16	0 ~ 70		568-1246-5-ND	2.75	2.20	1.71	P87C51SBAA
																44-PLCC	568-1247-5-ND	3.29	2.63	2.05	P87C52SBAA
															0 ~ 70	44-PQFP	568-1248-ND	3.22	2.58	2.01	P87C52SBBB
256B	—	8K	—	3	—	Y	—	—	—	—	—	—	32	16	-40 ~ 85	44-PLCC	568-1249-5-ND	3.60	2.88	2.24	P87C52SFAA
														33	0 ~ 70	44-PLCC	568-1250-5-ND	3.29	2.63	2.05	P87C52UBAA
														33	0 ~ 70	44-PLCC	568-1251-5-ND	2.48	1.98	1.49	P87C52X2BA
256B		16K		3	—	—	—	—	—	—	—	—	32	33	0 ~ 70	44-PLCC	568-1252-5-ND	5.11	4.09	3.18	P87C54SBAA
256B		8K		2	Y(2)		Y	—		8/10			40	16	0 ~ 70	68-PLCC	568-1253-5-ND	10.30	9.27	8.22	P87C552SBAA
512B	—	16K	—	2	Y(2)	Y	Y	—	—	8/10	—	—	40	16	0 ~ 70	64-LQFP	568-1254-5-ND	11.65	10.49	9.30	P87C554SBAA
512B		16K		2	Y(2)		Y	—		8/10			40	16	-40 ~ 85	64-LQFP	568-1255-5-ND	13.43	12.09	10.72	P87C554SFAA
512B		16K		3	Y(2)		Y	Y		6/10			32	12	-40 ~ 85	44-PLCC	568-1256-5-ND	9.90	7.92	6.09	P87C591VFAA
256B		16K		4													568-1010-5-ND	7.80	6.24	5.27	P87C51FB-4N
128B		4K		3													568-1011-5-ND	2.93	2.34	1.82	P87C51SBPN
256B		8K		3	—	Y							32	33	0 ~ 70	40-DIP	568-1012-5-ND	3.48	2.72	2.12	P87C52SBPN
256B		8K		3													568-1013-5-ND	2.39	1.91	1.49	P87C52X2BN
256B		16K		3													568-1014-5-ND	5.36	4.29	3.34	P87C54SBPN
		2K								—	—				0 ~ 70	20-SOIC	568-1257-5-ND	2.43	1.94	1.46	P87LPC762BD
		4K								—	—				0 ~ 70	20-SOIC	568-1258-5-ND	2.39	1.91	1.49	P87LPC764BD
128B		4K		2	—	Y	—	—	—	—	Y(2)	—	18	20	0 ~ 70	20-TSSOP	568-1259-5-ND	2.34	1.88	1.46	P87LPC764BDH
		4K								8/4	8/4				0 ~ 70	20-SOIC	568-1260-5-ND	2.86	2.29	1.78	P87LPC767BD
		4K								8/4	2/8				-40 ~ 125	20-SOIC	568-1261-5-ND	5.06	4.05	3.42	P87LPC769HD

‡CCU: Capture Compare Unit • Tape and Reel Pricing

(Continued)

Memory				No. of					ADC	DAC	Analog		Max. Freq.	Temperature		Digi-Key	Price Each			NXP
RAM	EEPROM	OTP	Flash	Timers	PWM	UART	I²C	CAN	SPI	Ch./Bits	Ch./Bits	Compar.	I/O	MHz @ 5V	Range (°C)	Package	Part No.	1	25	100	Part No.
		1K			—	Y			—		—	12		0 ~ 70	14-TSSOP	568-1015-5-ND	1.98	1.58	1.19	P87LPC760BDH
		2K			—	Y			—		—	Y(2)	18	0 ~ 70	20-DIP	568-1016-5-ND	2.30	1.84	1.43	P87LPC762BN
128B	—	4K	—	2	—	Y	Y	—	—	—	—	Y(2)	18	0 ~ 70	20-DIP	568-1017-5-ND	2.50	2.00	1.56	P87LPC764BN
		4K			—	—				4/8		Y(2)	18	0 ~ 70	20-DIP	568-1018-5-ND	3.04	2.43	1.89	P87LPC767BN
		8K			Y	Y				4/8		Y(2)	18	-40 ~ 85	20-TSSOP	568-1822-5-ND	4.28	3.42	2.66	P87LPC778FDH-S
512B			32K											0 ~ 70	44-PLCC	568-1263-5-ND	6.26	5.01	4.23	P89C51RC2BA/01
1K	—	—	64K	4	Y	Y	Y	—	—	—	—	—	32	0 ~ 70	44-LQFP	568-2021-ND	7.42	5.94	5.01	P89C51RD2BBD/01
512B			16K											-40 ~ 85	44-PLCC	568-1268-5-ND	9.44	7.56	6.38	P89C660HFA
1K			32K											0 ~ 70	44-PLCC	568-1269-5-ND	9.14	7.32	6.17	P89C662HBA
2K	—	—	64K	4	Y	Y	Y	—	—	—	—	—	32	0 ~ 70	44-LQFP	568-1272-ND	9.90	7.92	6.69	P89C664HBBD
8K			64K											0 ~ 70	44-PLCC	568-1275-5-ND	9.41	8.48	7.52	P89C668HBA
					Y	—						Y(1)			8-DIP	568-2245-5-ND	.62	.58	.54	P89LPC901FN-S
					1 ch.	—						Y(1)			8-SOIC	568-1994-ND	1.14	.95	.76	P89LPC901FD
128B	—	—	1K	4	—	—	—	—	—	—	—	Y(2)	6	18	8-SOIC	568-1995-ND	1.30	1.04	.78	P89LPC902FD
					—	—						Y(2)			8-DIP	568-2246-5-ND	.83	.77	.72	P89LPC902FN-S
					—	Y						Y(2)			8-SOIC	568-1996-ND	1.33	1.06	.80	P89LPC903FD
					1 ch.	—			—		—	Y(1)	6	18	8-SOIC	568-1997-ND	1.30	1.04	.78	P89LPC906FD
					—	Y			—		—	Y(1)	6		8-SOIC	568-1998-ND	1.43	1.14	.86	P89LPC907FD
128B	—	—	1K	4	—	Y	—	—	—	—	—	Y(1)	6	-40 ~ 85	8-SOIC	568-1999-ND	1.43	1.14	.86	P89LPC908FD
					1 ch.	—			Y		1/8	Y(2)	12		14-TSSOP	568-2003-5-ND	1.50	1.20	.90	P89LPC912FDH-S
					—	Y			Y		1/8	Y(2)	12		14-TSSOP	568-2004-5-ND	1.63	1.30	.98	P89LPC913FDH-S
128B			1K		1 ch.	—			Y	—	1/8		12		14-TSSOP	568-2005-5-ND	1.63	1.30	.98	P89LPC914FDH-S
128B			2K		1 ch.	—			—	4/8	1/8		12		14-TSSOP	568-2006-5-ND	1.95	1.56	1.17	P89LPC915FDH-S
128B	—	—	2K	4	1 ch.	Y	—	—	Y	4/8	1/8	Y(2)	14	18	-40 ~ 85	16-TSSOP	568-2007-5-ND	2.27	1.82	1.42	P89LPC916FDH-S
256B			2K		Y(2)		Y		—	4/8	1/8		14		16-TSSOP	568-2247-ND	1.20	1.12	1.04	P89LPC917FDH-S
256B			2K		2 ch.		Y		—	—	1/8		18		20-TSSOP	568-1279-5-ND	2.00	1.60	1.20	P89LPC920FDH-S
			4K		Y(2)					—	—		18		20-DIP	568-2248-5-ND	1.50	1.40	1.30	P89LPC921FN
			4K		2 ch.					—	1/8		18		20-TSSOP	568-1280-5-ND	2.36	1.89	1.47	P89LPC921FDH
256B	—	—	4K	4	2 ch.	Y	Y	—	—	4/8	1/8	Y(2)	18	18	-40 ~ 85	20-TSSOP	568-2008-5-ND	2.40	1.92	1.44	P89LPC924FDH-S
			8K		2 ch.					4/8	1/8		18			20-TSSOP	568-2009-5-ND	2.34	1.88	1.46	P89LPC925FDH-S
256B	—		8K	4	Y(2)				—	4/8			18	18		20-DIP	568-2249-5-ND	1.74	1.63	1.51	P89LPC925FN-S
256B	—		4K	4	2 ch.				Y	—			26	18		28-TSSOP	568-1283-5-ND	2.30	1.84	1.38	P89LPC930FDH-S
256B	—	—	8K	4	2 ch.	Y	Y	—	Y	—	1/8	Y(2)	26	18	-40 ~ 85	28-TSSOP	568-1284-5-ND	2.68	2.15	1.67	P89LPC931FDH-S
768B	512B		8K	5	CCU*				Y	—			26	12		28-PLCC	568-1285-5-ND	3.02	2.42	1.88	P89LPC932A1FA-S
768B	512B		8K	5	CCU*				Y	—			26	12		28-TSSOP	568-1286-5-ND	2.84	2.27	1.77	P89LPC932A1FDH-S
768B	512B		8K	5	CCU*					—	—		12			28-HVQFN	568-2250-5-ND	1.74	1.63	1.51	P89LPC932A1FHN-S
256B	—		4K	4	2 ch.					4/8	4/8		18			28-TSSOP	568-2010-5-ND	2.25	1.80	1.40	P89LPC933FDH-S
256B	—	—	8K	4	2 ch.	Y	Y	—	Y	4/8	2x8	Y (2)	26	18	-40 ~ 85	28-TSSOP	568-2011-5-ND	2.48	1.98	1.54	P89LPC934FDH-S
68B	512B		8K	5	CCU‡					4/8 x2	1/8 x2			18		28-PLCC	568-1287-5-ND	3.06	2.45	1.91	P89LPC935FA-S
768B	512B		8K	5	CCU‡					4/8 x2	1/8 x2			18		28-TSSOP	568-1288-5-ND	2.88	2.31	1.80	P89LPC935FDH-S
768B	512B		8K	5	CCU‡	Y				4/8 x2	2/8		26			28-HVQFN	568-2251-5-ND	2.04	1.91	1.77	P89LPC935FHN-S
512B	512B		16K	5	CCU‡	Y				4/8 x2	2x8		26			28-TSSOP	568-2012-5-ND	3.76	3.01	2.34	P89LPC936FDH-S
768B	512B	—	8K	5	CCU‡	Y	Y	—	Y	8/10	—	Y(2)	26	18	-40 ~ 85	28-PLCC	568-2252-5-ND	2.04	1.91	1.77	P89LPC938FA-S
768B	512B		8K	5	CCU‡	Y				8/10	1/8		26			28-TSSOP	568-2013-5-ND	2.88	2.31	1.80	P89LPC938FDH-S
512B	—		8K	4	2 ch.	Y(2)				8/10	—		42			44-PLCC	568-2253-5-ND	2.46	2.30	2.14	P89LPC952FA
512B			8K			Y(2)	Y		Y	8/10		Y(2)	40			44-LQFP	568-2014-5-ND	5.06	4.05	3.15	P89LPC952FBD
128B			1K			—	—		—	4/8		Y(1)	8			10-HVSON	568-2000-1-ND	1.65	1.32	.99	P89LPC9102FTK-G
128B	—	—	1K	4	2 ch.	—	—		—	4/8	1/8	Y(2)	8	18	-40 ~ 85	10-HVSON	568-2000-2-ND*		1201.20/1,400		P89LPC9102FTK-G
128B			1K			Y	—		—	4/8		Y(1)	8			10-HVSON	568-2001-1-ND	1.65	1.32	.99	P89LPC9103FTK-G
128B			1K			Y	—		—	4/8		Y(1)	8			10-HVSON	568-2001-2-ND*		1201.20/1,400		P89LPC9103FTK-G
128B			1K			Y	—		—	4/8		Y(1)	10			14-TSSOP	568-2002-5-ND	1.70	1.36	1.02	P89LPC9107FDH-S
1K	—	—	64K	3	Y	Y	—	—	Y	—	—	—	32	40	0 ~ 70	44-TQFP	568-1289-ND	6.32	5.06	4.27	P89LV51RD2BBC
			16K	4	Y										-40 ~ 85	44-PLCC	568-2427-5-ND	5.36	4.29	3.62	P89V51RB2FA-S
			32K	4	Y										-40 ~ 85	44-PLCC	568-2428-5-ND	5.64	4.52	3.81	P89V51RC2FA
1K	—	—	32K	4	Y	Y	—	—	Y	—	—	—	32	40	-40 ~ 85	44-TQFP	568-2429-ND	5.46	4.37	3.69	P89V51RC2FBC
			32K	4	Y										-40 ~ 85	40-DIP	568-2430-5-ND	5.92	4.74	4.00	P89V51RC2FN
			64K	3	—										0 ~ 70	40-DIP	568-1019-5-ND	7.02	5.62	4.74	P89V51RD2BN
1K			64K	3												44-PLCC	568-1290-5-ND	6.52	5.22	4.41	P89V51RD2FA
1K			64K	3												44-TQFP	568-1291-ND	6.32	5.06	4.27	P89V51RD2FBC
1K	—	—	64K	4	Y	Y	—	—	Y	—	—	—	32	40	-40 ~ 85	40-DIP	568-2431-5-ND	7.02	5.62	4.74	P89V51RD2FN
512B			16K	4			Y									44-PLCC	568-2432-5-ND	7.22	5.78	4.88	P89V660FA
512B			16K	4			Y									44-TQFP	568-2433-ND	7.10	5.68	4.80	P89V660FBC
1K			32K													44-PLCC	568-2434-5-ND	8.04	6.44	5.43	P89V662FA
1K	—	—	32K	4	Y	Y	Y	—	Y	—	—	—	32	40	-40 ~ 85	44-TQFP	568-2435-ND	7.90	6.32	5.34	P89V662FBC
2K			64K													44-PLCC	568-2436-5-ND	8.88	7.11	6.00	P89V664FA
2K			64K													44-TQFP	568-2437-ND	8.72	6.98	5.89	P89V664FBC
512B			—		—					—			32		0 ~ 70	44-PLCC	568-1299-5-ND	9.10	7.28	6.15	PXAG30KBA-S
512B			—		—					—			32		0 ~ 70	44-LQFP	568-1300-ND	9.00	7.20	6.08	PXAG30KBBD
512B	—	—	—	3	—	Y(2)	Y	—	—	—	—	—	32	30	-40 ~ 85	44-PLCC	568-1301-5-ND	8.96	8.07	7.16	PXAG30KFA-S
1K			—		Y					8/8			50		0 ~ 70	80-LQFP	568-1303-ND	10.00	9.00	7.98	PXAS30KBBE
512B		32K			—		—			—			32		0 ~ 70	44-PLCC	568-1095-5-ND	12.11	10.91	9.67	PXAG37KBA
512B		32K	—			Y(2)	—			—			32	30	-40 ~ 85	44-PLCC	568-1096-5-ND	12.69	11.43	10.14	PXAG37KFA
2K	—	—	64K	3	—	Y(2)	—	—	—	—	—	—	32	30	-40 ~ 85	44-PLCC	568-1098-5-ND	11.78	10.61	9.41	PXAG49KFA
1K		32K	—			Y(2)	Y			8/8			50	30	0 ~ 70	68-PLCC	568-1099-5-ND	11.10	9.99	8.86	PXAS30KBA
256B			—	3	—	Y	—						33		-40 ~ 85	44-PLCC	568-3195-5-ND **NEW!**	2.30	1.84	1.43	P80C32UFAA
256B			2K	2	—	Y	Y						24		-40 ~ 85	44-PLCC	568-3196-5-ND **NEW!**	6.94	5.56	4.69	P80C652EBAA
256B	—	8K	—	3	—	Y	—	—	—	—	—	—	32	16	0 ~ 70	40-DIP	568-3198-5-ND **NEW!**	6.28	5.03	4.24	P87C51FA-4N
256B		16K		3	—	Y	—							16	0 ~ 70	44-PLCC	568-3199-5-ND **NEW!**	7.72	6.18	5.22	P87C51FB-4A
512B		16K		4	Y	Y	—							33	0 ~ 70	40-DIP	568-3200-5-ND **NEW!**	4.30	3.44	2.68	P87C51RB2BN
256B	—	8K	—	3	—	Y	—	—	—	—	—	—	32	33	-40 ~ 85	44-PLCC	568-3201-5-ND **NEW!**	2.84	2.27	1.77	P87C52X2FA
		16K		2			Y								0 ~ 70	44-LQFP	568-3202-ND **NEW!**	5.32	4.26	3.60	P87C654X2BBD

‡CCU: Capture Compare Unit • Tape and Reel Pricing

(Continued)

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Memory				No. of					ADC	DAC	Analog		Max. Freq.	Temperature		Digi-Key	Price Each			NXP
RAM	EEPROM	OTP	Flash	Timers	PWM	UART	I²C	CAN	SPI	Ch./Bits	Ch./Bits	Compar.	I/O	MHz @ 5V	Range (°C)	Package	Part No.	1	25	100	Part No.
256B				2	—		Y								-40 ~ 85	44-LQFP	568-3203-ND ***NEW!***	5.90	4.72	3.99	P87C654X2FA-S
512B				4	Y		Y								0 ~ 70	44-LQFP	568-3204-ND ***NEW!***	6.70	5.36	4.53	P87C660X2BBD
512B	—	16K	—	4	Y	Y	Y	—	—	—	—	—	32	33	-40 ~ 85	44-PLCC	568-3205-5-ND ***NEW!***	8.16	6.53	5.51	P87C660X2FA-S
512B				4	Y		Y(2)								0 ~ 70	44-LQFP	568-3206-ND ***NEW!***	7.34	5.88	4.96	P87C661X2BBD
512B				4	Y		Y(2)								-40 ~ 85	44-PLCC	568-3207-5-ND ***NEW!***	8.82	7.06	5.96	P87C661X2FA-S
128B		1K										2	12		0 ~ 70	14-DIP	568-3208-5-ND ***NEW!***	2.08	1.66	1.25	P87LPC760BN
128B		2K										2	14		0 ~ 70	16-TSSOP	568-3209-5-ND ***NEW!***	2.13	1.70	1.28	P87LPC761BDH
128B	—	2K	—	2	—	Y	Y	—	—	—	—	2	14	20	0 ~ 70	16-DIP	568-3210-5-ND ***NEW!***	2.28	1.82	1.37	P87LPC761BN
128B		2K										Y(2)	18		0 ~ 70	20-TSSOP	568-3211-5-ND ***NEW!***	2.40	1.92	1.44	P87LPC762BDH
128B		2K										Y(2)	18		-40 ~ 85	20-SOIC	568-3212-5-ND ***NEW!***	2.72	2.18	1.70	P87LPC762FD
128B		2K										—		Y(2)	-40 ~ 85	20-DIP	568-3213-5-ND ***NEW!***	2.88	2.31	1.80	P87LPC762FN
128B		4K										—		2	-40 ~ 85	20-SOIC	568-3214-5-ND ***NEW!***	2.81	2.25	1.75	P87LPC764FD
128B	—	4K	—	2	—	Y	Y	—	—	—	—	—	2	18	-40 ~ 85	20-DIP	568-3215-5-ND ***NEW!***	2.99	2.40	1.87	P87LPC764FN
128B		4K										4/8		2	-40 ~ 85	20-SOIC	568-3216-5-ND ***NEW!***	3.33	2.67	2.08	P87LPC767FD
128B		4K										4/8		2	-40 ~ 85	20-DIP	568-3217-5-ND ***NEW!***	3.53	2.83	2.20	P87LPC767FN
128B		4K	—		Y		Y					4/8	—		18	20	0 ~ 70	20-SOIC	568-3218-5-ND ***NEW!***	3.13	2.51	1.95	P87LPC768BD
128B		4K	—		Y		Y					4/8	—		18	20	-40 ~ 85	20-SOIC	568-3219-5-ND ***NEW!***	3.96	3.17	2.47	P87LPC768FD
128B	—	4K	—	2	Y	Y	Y	—	—			4/8	—	2	18	20	-40 ~ 85	20-DIP	568-3220-5-ND ***NEW!***	3.31	2.65	2.06	P87LPC768FN
128B		—	1K		—		—					2/8	1/8		6	12	-40 ~ 85	8-SOIC	568-3221-5-ND ***NEW!***	1.75	1.40	1.05	P89LPC904FD-S
128B		—	1K		—		—					2/8	1/8		6	12	-40 ~ 85	8-DIP	568-3222-5-ND ***NEW!***	1.90	1.52	1.14	P89LPC904FN-S
256B	—			4	2				—			—			18		-40 ~ 85	20-TSSOP	568-3223-5-ND ***NEW!***	2.40	1.92	1.44	P89LPC9221FDH
256B	—			4	2				—			—			18		-40 ~ 85	20-DIP	568-3224-5-ND ***NEW!***	2.54	2.04	1.59	P89LPC9221FN
256B	—	—	8K	4	2	Y	Y	—	Y			—	—	2	26	18	-40 ~ 85	28-TSSOP	568-3225-5-ND ***NEW!***	2.34	1.88	1.46	P89LPC9311FDH-S
768B	512B			5	CCU				Y			8/10			26		-40 ~ 85	28-HVQFN	568-3226-ND ***NEW!***	3.06	2.45	1.91	P89LPC938FHN-S
256B	—			4	2				Y						23		-40 ~ 85	64-LQFP	568-3227-ND ***NEW!***	3.74	2.99	2.33	P89LPC9401FBD-S
768B	512B		8K	5	CCU		Y		Y			8/10		2	23	18	-40 ~ 85	64-LQFP	568-3228-ND ***NEW!***	4.50	3.60	2.80	P89LPC9408FBD
1K	—	—	16K	4	Y	Y	—	—	Y			—	—	—	32	40	-40 ~ 85	40-DIP	568-3229-5-ND ***NEW!***	5.56	4.45	3.76	P89V51RB2FN
256B	—		8K	4	2		Y		—			—		2	18	18	-40 ~ 85	20-TSSOP	568-2452-ND ***NEW!***	2.40	1.92	1.44	P89LPC922FDH

C

Development Tools for LPC2000

LPC21++ Evaluation Board

The Keil MCB2100 Evaluation Board introduces you to the Philips LPC2100 ARM family and allows you to create and test working programs for this advanced architecture. Two CAN and two serial interfaces are available. Debugging is supported via the JTAG interface and the Keil ULink USB-JTAG adapter. An evaluation copy of the Keil ARM development tool is included.

Applications: LPC2129/2119/2124/2114 product families

Includes:
- Evaluation Kit for LPC2100 (w/LPC2129)
- ULINK JTAG Debugger
- Development Software

568-1755-ND Eval Board/ULINK JTAG LPC210XARM **$337.50**

LPC2106 Evaluation Board

The evaluation board is populated with an LPC2106 device and features 2 serial ports, 2 user-defined buttons, 16 fully configurable LEDs, 20-pin JTAG interface connector as well as breakout headers for all pins. The kit also comes with a 32K code-limited version of IAR's Embedded Workbench, including IAR's ARM compiler and C-SPY debugger as well as a free license of the IAR MakeApp code generator for the LPC210x.

Applications: LPC2106 family

Includes:
- Development board (w/LPC2106)
- Development Software

568-1756-ND Eval Board for LPC210x ARM MCU **$163.50**

LPC213x Evaluation Board

The Keil MCB2130 Evaluation Board introduces you to the Philips LPC2130 ARM family and allows you to create and test working programs for this advanced architecture. Two serial interfaces, a speaker, analog input (via potentiometer), and eight LEDs are available. Debugging is supported via the JTAG interface and the Keil ULink USB-JTAG adapter. An evaluation copy of the Keil ARM development tools is included.

Applications: LPC213x family

Includes:
- Development Board (with/LPC2138)
- Development Software

568-2095-ND Evaluation Board for LPC213x..... **$163.50**

568-2096-ND Evaluation Board + ULink LPC213x **$337.50**

LPC214x Evaluation Board

The Keil MCB2140 Evaluation Board introduces you to the Philips LPC2140 ARM family and allows you to create and test working programs for this advanced architecture. An on-chip USB interface, two serial interfaces, a speaker, analog input (via potentiometer), and eight LEDs are available. Debugging is supported via the JTAG interface and the Keil ULink USB-JTAG adapter. An evaluation copy of the Keil ARM development tools is included

Applications: LPC214x family

Includes:
- Development Board (with/LPC2148)
- Development Software

568-2097-ND Evaluation Board for LPC214x..... **$163.50**

568-2098-ND Evaluation Board + ULink LPC214x..... **$337.50**

LPC2148 IAR KickStart Kit™

IAR KickStart Kit for Philips LPC2148 contains all the necessary hardware and software and allows you to design, develop, integrate and test your applications.

Applications: LPC2148 family

Includes:
- LPC2148 Evaluation Board
- Development Software
- J-Link-KS JTAG Interface

568-2099-ND Eval Board/JLink LPC214x ARM..... **$337.50**

LPC229x Rapid Development Kit

The phyCORE-ARM7/LPC229x Rapid Development Kit supports high-performance LPC2292 and LPC2294 ARM7TDMI-S devices from Philips with external bus interface. PHYTEC Rapid Development Kits enable immediate and successful start- up of our insert-ready Single Board Computers.

Applications: LPC2292 and LPC2294 families

Includes:
- Single Board Computer Module
- Development Board
- Ethernet Adapter
- Serial Cable
- AC adapter
- PHYTEC Spectrum CD including SBC hardware manual, evaluation compiler, software demos and Controller User Manual

568-1757-ND Eval Board for LPC220x ARM MCU..... **$343.50**

Development Tools for LPC900

MCB900 Evaluation Board

The Keil MCB900 Evaluation Board is a versatile and flexible prototype board for the Philips P89LPC93x microcontroller family. The MCB900 includes the Keil µVision2 LPC Development Studio which allows you to create and debug programs that you can program into the on-chip Flash ROM using FlashMagic.

Applications: P89LPC93x family

Includes:
- MCB900 Evaluation Board (w/P89LPC932)
- µVision2 LPC Development Studio

568-1758-ND Eval Board for LPC93x MCU Family **$75.00**

EPM900 In-Circuit Debugger/Parallel Programmer

The Keil EPM900 Emulator supports in-circuit debugging and parallel Flash ROM programming for the Philips P89LPC9xx device family. The EPM900 connects directly to the µVision2 Debugger which provides full control over the user program execution. The Keil EPM900 Emulator includes the µVision2 LPC Development Studio which contains all the tools you need to generate small LPC applications.

Applications: P89LPC9xx family

Includes:
- EPM900 Emulator Board
- µVision2 LPC Development Studio
- USB Cable

568-1759-ND Emulator Debugger/Programmer LPC9x..... **$223.50**

PDS900 Emulator/Programmer

The PDS900 is a fully featured in circuit emulation and programming system supporting the entire Philips P89LPC900 family of high performance microcontrollers. It allows complete control and tracing of execution of a users program and access to all registers and memory spaces of the target microcontroller, without consuming any device resources or introducing wait-states or other non-standard behavior. It also allows programming of the Flash program memory and configuration options of production microcontroller devices.

Applications: P89LPC9xx family

Includes:
- PDS900 emulation and programming system
- Emulation footprint adapters for TSSOP20, TSSOP28 and PLCC28 packages

568-1760-ND Emulator Programmer LPC9x MCU..... **$673.50**

HC908 Family — 8-Bit

Features: • 68HC08 CPU with Flash memory • Fully upward code compatible with the 68HC05 family for easy migration • Fully static design allowing operation down to DC • 16-bit index register • 16-bit stack pointer • 2, 4 or 6 channel 16-bit timers with built in prescalers • COP watchdog protection • Low-power STOP and WAIT modes • Available USB, SPI, SCI and CAN2 • Available A/D converter • 16 addressing modes • LVI (Low Voltage Inhibit) supply voltage monitor • 16/8 divide • 8 x 8 multiply • 68HC908AZ additional feature: MSCAN (Motorola Scalable Controller Area Network) interface conforms to CAN 2.0B

FLASH (Bytes)	RAM (Bytes)	EEPROM (Bytes)	I/O	A/D	Timer (s) 16-Bit	Serial	PWM	Operating Voltage (V)	Max. Bus Freq. (MHz)	Temp. (°C)	Package	Digi-Key Part No.	Price Each 1	25	100	Freescale Part No.
1.5K	128	—	15	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	20-SOIC	MC908JK1ECDWE-ND◊	2.71	1.65	1.50	MC908JK1ECDWE
		—	15	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0 – 5.0	8.0	-40 – 125	20-SOIC	MC908JK1EMDWE-ND◊	3.45	2.22	2.00	MC908JK1EMDWE
2K	128	—	12	—	2-Ch.	—	See Timer	2.0	4.0	-40 – 85	32-LQFP	MC68HC908RF2MFA-ND	6.88	4.92	4.47	MC68HC908RF2MFA
	192	—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	16-SOIC	MC908KX2CDWE-ND◊	4.88	3.13	2.83	MC908KX2CDWE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 125	16-SOIC	MC908KX2MDWE-ND◊	5.38	3.26	3.12	MC908KX2MDWE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 105	16-SOIC	MC908KX2VDWE-ND◊	5.13	3.11	2.97	MC908KX2VDWE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 85	16-DIP	MC908KX2CPE-ND◊	4.88	3.13	2.83	MC908KX2CPE
4K	128	—	15	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	20-SOIC	MC908JK3ECDWE-ND◊	3.09	1.99	1.86	MC908JK3ECDWE
		—	15	10-Ch., 8-Bit	2-Ch.	—	See Timer	5.0	8.0	-40 – 85	20-DIP	MC908JK3ECPE-ND◊	3.09	1.99	1.86	MC908JK3ECPE
		—	15	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	28-DIP	MC68HRC908JK3CP-ND	4.13	2.65	2.39	MC68HRC908JK3CP
		—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0	8.0	-40 – 85	28-DIP	MC68HC908JL3ECP-ND	5.25	3.37	3.05	MC68HC908JL3ECP
		—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0	8.0	-40 – 85	28-DIP	MC908JL3ECPE-ND◊	3.94	2.53	2.37	MC908JL3ECPE
		—	23	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	48-LQFP	MC908JL3ECFAE-ND◊	4.22	2.71	2.54	MC908JL3ECFAE
	256	—	26	—	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 85	28-SOIC	MC908KK3ECDWE-ND◊	3.30	2.12	1.92	MC908KK3ECDWE
		—	26	—	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 85	28-DIP	MC908KK3ECPE-ND◊	3.30	2.12	1.92	MC908KK3ECPE
		—	26	12-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 85	28-SOIC	MC908KL3ECDWE-ND◊	4.20	2.70	2.44	MC908KL3ECDWE
	384	—	21	6-Ch., 8-Bit	3-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.2	-40 – 85	32-LQFP	MC68HC908GR4CFAE-ND◊	4.22	2.71	2.54	MC68HC908GR4CFAE
		—	21	6-Ch., 8-Bit	3-Ch.	SCI, SPI	See Timer	3.0 – 5.0	8.0	-40 – 85	28-SOIC	MC908GR4CDWE-ND◊	5.63	3.42	3.26	MC908GR4CDWE
7.5K	384	—	21	8-Ch., 8-Bit	2-Ch. + 1-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	32-LQFP	MC68HC908GR8CFA-ND	7.01	5.01	4.55	MC68HC908GR8CFA
		—	21	8-Ch., 8-Bit	2-Ch. + 1-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	32-LQFP	MC908GR8CFAE-ND◊	6.19	4.95	4.34	MC908GR8CFAE
	128	—	18	7-Ch., 8-Bit	2-Ch.	—	See Timer	5.0	8.0	-40 – 85	20-SOIC	MC68HC908LB8CDWE-ND◊	6.13	3.72	3.55	MC68HC908LB8CDWE
		—	18	7-Ch., 8-Bit	2-Ch.	—	See Timer	5.0	8.0	-40 – 85	20-DIP	MC68HC908LB8CPE-ND◊	6.13	3.72	3.55	MC68HC908LB8CPE
		—	18	7-Ch., 8-Bit	2-Ch.	—	See Timer	5.0	8.0	-40 – 125	20-SOIC	MC68HC908LB8MDWE-ND◊	5.73	4.10	3.73	MC68HC908LB8MDWE
		—	18	7-Ch., 8-Bit	2-Ch.	—	See Timer	5.0	8.0	-40 – 125	20-DIP	MC68HC908LB8MPE-ND◊	5.73	4.10	3.73	MC68HC908LB8MPE
	192	—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	16-SOIC	MC68HC908KX8CDW-ND	5.66	4.01	3.71	MC68HC908KX8CDW
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	16-SOIC	MC908KX8CDWE-ND◊	5.73	4.10	3.73	MC908KX8CDWE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	5.0	8.0	-40 – 125	16-SOIC	MC908KX8MDWE-ND◊	6.37	4.55	4.14	MC908KX8MDWE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	16-DIP	MC908KX8CPE-ND◊	5.73	4.10	3.73	MC908KX8CPE
		—	13	4-Ch., 8-Bit	2-Ch.	SCI	See Timer	5.0	8.0	-40 – 105	16-DIP	MC908KX8VPE-ND◊	6.03	4.31	3.92	MC908KX8VPE
	256	—	21	—	2-Ch.	USB1.1	See Timer	5.0	8.0	-40 – 85	28-SOIC	MC908JB8ADWE-ND◊	2.78	1.78	1.67	MC908JB8ADWE
		—	37	—	2-Ch.	USB1.1	See Timer	5.0	8.0	-40 – 85	44-QFP	MC908JB8FBE-ND◊	3.21	2.06	1.93	MC908JB8FBE
		—	13	—	1-Ch.	USB1.1	See Timer	5.0	8.0	-40 – 85	20-SOIC	MC68HC908JB8JDW-ND	3.12	2.23	2.03	MC68HC908JB8JDW
		—	13	—	1-Ch.	USB1.1	See Timer	5.0	8.0	-40 – 85	20-SOIC	MC908JB8JDWE-ND◊	4.25	2.59	2.23	MC908JB8JDWE
		—	37	—	2-Ch.	USB1.1	See Timer	4.0 – 5.5	6.0	-40 – 85	20-DIP	MC68HC908JB8JPE-ND◊	2.83	1.82	1.70	MC68HC908JB8JPE
8K	256	—	15	10-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	20-SOIC	MC68HC908JK8CDW-ND	5.84	4.17	3.79	MC68HC908JK8CDW
		—	15	10-Ch., 8-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	20-SOIC	MC908JK8CDWE-ND◊	5.16	4.13	3.61	MC908JK8CDWE
		—	15	10-Ch., 8-Bit	2-Ch.	SCI	16	3.0	8.0	-40 – 85	28-DIP	MC68HC908JK8CPE-ND◊	5.16	4.13	3.61	MC68HC908JK8CPE
		—	15	10-Ch., 8-Bit	2-Ch.	SCI	16	3.0	8.0	-40 – 125	20-DIP	MC68HC908JK8MPE-ND◊	6.43	4.60	4.18	MC68HC908JK8MPE
		—	23	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	28-SOIC	MC908JL8CDWE-ND◊	5.53	4.43	3.88	MC908JL8CDWE
		—	23	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	48-LQFP	MC68HC908JL8CFA-ND	6.86	4.90	4.46	MC68HC908JL8CFA
		—	23	10-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	48-LQFP	MC68HC908JL8CFAE-ND◊	8.08	5.18	4.68	MC68HC908JL8CFAE
		—	26	13-Ch., 8-Bit	2-Ch.	SCI	16	3.0 – 5.0	8.0	-40 – 125	32-LQFP	MC68HC908JL8MFAE-ND◊	7.54	5.39	4.90	MC68HC908JL8MFAE
		—	26	—	2-Ch.	SPI	See Timer	3.0 – 5.0	8.0	-40 – 85	32-LQFP	MC908EY8CFAE-ND◊	5.31	3.79	3.45	MC908EY8CFAE
		—	26	—	2-Ch.	SPI	See Timer	3.0 – 5.0	8.0	-40 – 125	32-LQFP	MC908EY8MFAE-ND◊	5.84	4.17	3.79	MC908EY8MFAE
		—	26	—	2-Ch.	SPI	See Timer	3.0 – 5.0	8.0	-40 – 105	32-LQFP	MC908EY8VFAE-ND◊	5.58	3.99	3.63	MC908EY8VFAE
		—	12	7-Ch., 10-Bit	Dual 2-Ch.	SCI	6-Ch., 12-Bit	5.0	8.0	-40 – 85	28-SOIC	MC68HC908MR8CDW-ND	7.64	5.46	4.97	MC68HC908MR8CDW
		—	16	7-Ch., 10-Bit	2-Ch.	SCI	See Timer	5.0	8.0	-40 – 125	28-SOIC	MC908MR8MDWE-ND◊	8.41	6.01	5.46	MC908MR8MDWE
		—	16	7-Ch., 10-Bit	2-Ch.	SCI	12	5.0	8.0	-40 – 85	32-LQFP	MC68HC908MR8CFAE-ND◊	5.73	4.73	4.32	MC68HC908MR8CFAE
		—	16	7-Ch., 10-Bit	2-Ch.	SCI	12	5.0	8.0	-40 – 125	32-LQFP	MC68HC908MR8MFAE-ND◊	8.41	6.01	5.46	MC68HC908MR8MFAE
		—	16	7-Ch., 10-Bit	2-Ch.	SCI	12	5.0	8.0	-40 – 105	32-LQFP	MC68HC908MR8VFAE-ND◊	8.02	5.74	5.21	MC68HC908MR8VFAE
		—	12	7-Ch., 10-Bit	Dual 2-Ch.	SCI	6-Ch., 12-Bit	5.0	8.0	-40 – 85	28-DIP	MC68HC908MR8CP-ND	7.64	5.46	4.97	MC68HC908MR8CP
		—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	28-DIP	MC908JL8CPE-ND◊	5.53	4.43	3.88	MC908JL8CPE
		—	26	—	2-Ch.	SCI	See Timer	3.0 – 5.0	8.0	-40 – 125	28-DIP	MC908JL8MPE-ND◊	6.90	4.93	4.48	MC908JL8MPE
		—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0, 5.0	8.0	-40 – 85	32-DIP	MC68HC908JL8CSPE-ND◊	6.09	4.88	4.27	MC68HC908JL8CSPE
	384	—	21	8-Ch., 8-Bit	2-Ch. + 1-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	28-SOIC	MC908GR8CDWE-ND◊	6.19	4.95	4.34	MC908GR8CDWE
		—	21	6-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 – 85	28-DIP	MC908GR8CPE-ND◊	6.19	4.95	4.34	MC908GR8CPE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	—	5.0	8.0	-40 – 85	32-LQFP	MC68HC908GR8ACFAE-ND◊	7.01	5.01	4.55	MC68HC908GR8ACFAE
		—	21	6-Ch., 8-Bit	2-Ch.	SCI, SPI	—	5.0	8.0	-40 – 85	32-LQFP	MC68HC908GR8AVFAE-ND◊	7.37	5.27	4.79	MC68HC908GR8AVFAE
	512	—	36	8-Ch., 8-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	44-QFP	MC68HC908GT8CFB-ND	7.41	5.26	4.55	MC68HC908GT8CFB
		—	36	8-Ch., 8-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	44-QFP	MC908GT8CFBE-ND◊	8.75	5.62	5.07	MC908GT8CFBE
		—	34	8-Ch., 8-Bit	2-Ch.	ESCI, SPI	See Timer	5.0	8.0	-40 – 85	42-DIP	MC68HC908GT8CB-ND	7.43	5.31	4.83	MC68HC908GT8CB
	1K	—	32	8-Ch., 10-Bit	Dual 2-Ch.	I²C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	44-QFP	MC908AP8CFBE-ND◊	5.31	3.79	3.45	MC908AP8CFBE-ND
		—	37	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI, CAN2	See Timer	5.0	8.0	-40 – 85	48-LQFP	MC68HC908GZ8CFA-ND	7.64	5.46	4.97	MC68HC908GZ8CFA
		—	37	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI, CAN2	See Timer	5.0	8.0	-40 – 85	48-LQFP	MC68908GZ8CFAE-ND◊	5.73	4.73	4.32	MC68908GZ8CFAE
		—	37	8-Ch., 10-Bit	2-Ch.	SPI, CAN2	—	5.5	8.0	-40 – 85	32-LQFP	MC68908GZ8CFJE-ND◊	5.73	4.73	4.32	MC68908GZ8CFJE
	2K	—	39	6-Ch., 8-Bit	2-Ch.	USB, IIC	See Timer	3.3	6.0	-40 – 85	64-QFP	MC908LD64IFUE-ND◊	10.05	7.61	7.01	MC908LD64IFUE
12K	384	—	21	—	2-Ch.	USB, SCI	See Timer	4.0 – 5.5	6.0	-40 – 85	28-SOIC	MC908JB12DWE-ND◊	4.13	2.65	2.39	MC908JB12DWE
		—	21	—	2-Ch.	USB, SCI	See Timer	4.0 – 5.5	6.0	-40 – 85	20-SOIC	MC908JB12JDWE-ND◊	4.55	2.92	2.64	MC908JB12JDWE
	512	—	30	11-Ch., 10-Bit	4-Ch.	IIC, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	42-DIP	MC908SR12CBE-ND◊	10.00	6.07	5.80	MC908SR12CBE
		—	33	14-Ch., 10-Bit	4-Ch.	IIC, SCI	See Timer	5.0	8.0	-40 – 85	48-LQFP	MC908SR12CFAE-ND◊	10.00	6.07	5.80	MC908SR12CFAE
		—	33	14-Ch., 10-Bit	4-Ch.	IIC, SCI	See Timer	5.0	8.0	-40 – 125	48-LQFP	MC908SR12MFAE-ND◊	9.34	6.38	6.07	MC908SR12MFAE
		—	20	4-Ch., 10-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	52-Q FP	MC68HC908LJ12CFB-ND	8.83	5.98	5.57	MC68HC908JL12CFB
		—	20	4-Ch., 10-Bit	2-Ch.	SCI	See Timer	3.0, 5.0	8.0	-40 – 85	52-QFP	MC908LJ12CFBE-ND◊	10.43	6.33	6.04	MC908LJ12CFBE
		—	32	6-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	3.0 – 5.0	8.0	-40 – 85	64-LQFP	MC908LJ12CPBE-ND◊	6.64	5.48	5.01	MC908LJ12CPBE
		—	32	6-Ch., 10-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 – 85	64-QFP	MC68HC908LJ12CFUE-ND◊	10.43	6.33	6.04	MC68HC908LJ12CFUE
16K	384	—	21	—	2-Ch.	USB, SCI	See Timer	4.0 – 5.5	6.0	-40 – 85	28-SOIC	MC908JB16DWE-ND◊	3.41	2.19	2.05	MC908JB16DWE
		—	21	—	2-Ch.	USB, SCI	See Timer	4.0 – 5.5	6.0	-40 – 85	32-LQFP	MC908JB16FAE-ND◊	3.45	2.22	2.07	MC908JB16FAE
		—	21	—	2-Ch.	USB, SCI	See Timer	4.0 – 5.5	6.0	-40 – 85	20-SOIC	MC908JB16JDWE-ND◊	4.53	2.91	2.63	MC908JB16JDWE
	512	—	24	8-Ch., 10-Bit	2-Ch.	ESCI, SCI, SPI	See Timer	5.0	8.0	-40 – 85	32-LQFP	MC68HC908EY16VFA-ND	8.81	6.01	5.72	MC68HC908EY16VFA
		—	24	8-Ch., 10-Bit	2-Ch.	ESCI, SCI, SPI	See Timer	5.0	8.0	-40 – 85	32-LQFP	MC908EY16VFAE-ND◊	8.81	6.01	5.72	MC908EY16VFAE
		—	24	8-Ch., 10-Bit	2-Ch.	ESCI, SCI, SPI	See Timer	5.0	8.0	-40 – 85	32-LQFP	MC908EY16CFAE-ND◊	8.39	5.99	5.45	MC908EY16CFAE
		—	24	8-Ch., 10-Bit	2-Ch.	ESCI, SCI, SPI	See Timer	5.0	8.0	-40 – 125	32-LQFP	MC908EY16MFAE-ND◊	9.24	6.30	6.00	MC908EY16MFAE
		—	36	8-Ch., 8-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 – 5.0	8.0	-40 – 85	42-DIP	MC908GT16CBE-ND◊	7.17	5.91	5.40	MC908GT16CBE

◊ RoHS Compliant

(Continued)

FLASH (Bytes)	RAM (Bytes)	EEPROM (Bytes)	I/O	A/D	Timer (s) 16-Bit	Serial	PWM	Operating Voltage (V)	Max. Bus Freq. (MHz)	Temp. (°C)	Package	Digi-Key Part No.	Price Each 1	25	100	Freescale Part No.
	512	—	36	8-Ch., 8-bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	44-PQFP	MC9S08GT16CFBE-ND◊	7.17	5.91	5.40	MC9S08GT16CFBE
	768	—	44	10-Ch., 10-Bit	4-Ch. + 2-Ch.	SCI, SPI	See Timer 6-Ch., 12-Bit	5.0	8.0	-40 ~ 85	64-QFP	MC9S08MR16CFUE-ND◊	7.17	5.91	5.40	MC9S08MR16CFUE
	768	—	37	9-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	5.0	8.2	-40 ~ 85	56-DIP	MC68HC908MR16CB-ND	9.55	6.52	6.21	MC68HC908MR16CB
		—	37	9-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	5.0	8.2	-40 ~ 85	56-DIP	MC9S08MR16CBE-ND◊	7.17	5.91	5.40	MC9S08MR16CBE
16K		—	21	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.3, 5.0	8.0	-40 ~ 85	32-LQFP	MC68908GR16CFJE-ND◊	8.49	5.80	5.52	MC68908GR16CFJE
		—	37	8-Ch., 10-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	32-LQFP	MC9S08GR16ACFJE-ND◊	8.49	5.80	5.52	MC9S08GR16ACFJE
		—	37	8-Ch., 10-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 125	48-LQFP	MC9S08GR16MFAE-ND◊	9.34	6.38	6.07	MC9S08GR16MFAE
	1K	—	37	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.3, 5.0	8.0	-40 ~ 85	48-LQFP	MC9S08GR16CFAE-ND◊	8.49	5.80	5.52	MC9S08GR16CFAE
		—	37	8-Ch., 10-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	48-LQFP	MC9S08GR16ACFAE-ND◊	8.49	5.80	5.52	MC9S08GR16ACFAE
		—	32	8-Ch., 10-Bit	Dual 2-Ch.	I2C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	44-QFP	MC908AP16CFBE-ND◊	5.84	4.17	3.79	MC908AP16CFBE
		—	37	8-Ch., 10-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	44-QFP	MC908GP16CFBE-ND◊	6.37	4.55	4.14	MC908GP16CFBE
		—	37	8-Ch., 10-Bit	2-Ch.	ESCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	42-PSDIP	MC908GP16CBE-ND◊	6.37	4.55	4.14	MC908GP16CBE
		—	40	6-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	3.3 ~ 8.0	8.0	-40 ~ 85	80-PQFP	MC908LJ24CFQE-ND◊	8.28	6.83	6.24	MC908LJ24CFQE
		—	40	6-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	3.3 ~ 7.0	8.0	-40 ~ 85	64-PQFP	MC908LJ24CFUE-ND◊	7.80	6.44	5.88	MC908LJ24CFUE
24K	768	—	40	6-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	3.3 ~ 8.0	8.0	-40 ~ 85	64-LQFP	MC908LJ24CPBE-ND◊	10.40	7.43	6.76	MC908LJ24CPBE
		—	40	6-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 85	64-PQFP	MC908LK24CFUE-ND◊	7.32	6.04	5.52	MC908LK24CFUE
		—	40	6-Ch., 10-Bit	2-Ch.	SCI, SPI	—	5.0	8.0	-40 ~ 85	80-PQFP	MCHC908LK24CFQE-ND◊	7.80	6.44	5.88	MCHC908LK24CFQE
		—	33	8-Ch., 8-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	44-QFP	MC68HC908GP32CFB-ND	10.40	7.82	7.32	MC68HC908GP32CFB
		—	33	8-Ch., 8-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	44-QFP	MC908GP32CFBE-ND◊	11.68	8.34	7.58	MC908GP32CFBE
		—	33	8-Ch., 8-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	40-DIP	MC68HC908GP32CP-ND	10.40	7.82	7.32	MC68HC908GP32CP
		—	33	8-Ch., 8-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.2	-40 ~ 85	44-QFP	MC908GP32CFBR2CT-ND◊	10.76	8.14	7.51	MC908GP32CFBR2
	512	—	33	8-Ch., 8-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.2	-40 ~ 85	44-QFP	MC908GP32CFBERCT-ND◊	11.93	8.52	7.75	MC908GP32CFBER
		—	33	8-Ch., 8-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.2	-40 ~ 85	44-QFP	MC908GP32CFBR2TR-ND◊		5294.25/750		MC908GP32CFBR2
		—	33	8-Ch., 8-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.2	-40 ~ 85	44-QFP	MC908GP32CFBERTR-ND◊		5294.04/750		MC908GP32CFBER
		—	33	8-Ch., 8-Bit	4-Ch.	SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	42-DIP	MC908GP32CBE-ND◊	11.68	8.34	7.58	MC908GP32CBE
	768	—	44	10-Ch., 10-Bit	4-Ch. + 2-Ch.	SCI, SPI	See Timer 6-Ch., 12-Bit	5.0	8.0	-40 ~ 85	64-QFP	MC9S08MR32CFUE-ND◊	9.63	7.95	7.26	MC908MR32CFUE
	768	—	36	9-Ch., 10-Bit	2-Ch.	SCI, SPI	See Timer	5.0	8.2	-40 ~ 85	56-DIP	MC68HC908MR32CB-ND	11.59	8.77	8.08	MC68HC908MR32CB
		512	40	15-Ch., 8-Bit	6-Ch.	J1850, SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	52-PLCC	MC908AS32ACFNE-ND◊	11.39	8.62	7.95	MC908AS32ACFNE
		512	40	15-Ch., 8-Bit	6-Ch.	J1850, SCI, SPI	See Timer	5.0	8.0	-40 ~ 125	52-PLCC	MC908AS32AMFNE-ND◊	12.54	9.49	8.75	MC908AS32AMFNE
		512	51	8-Ch., 8-Bit	8-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	64-QFP	MC908AB32CFUE-ND◊	12.63	8.62	8.20	MC908AB32CFUE
		512	51	8-Ch., 8-Bit	8-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	64-QFP	MCHC908AB32CFURCT-ND	11.68	8.84	8.15	MCHC908AB32CFUR2
		512	51	8-Ch., 8-Bit	8-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	64-QFP	MC908AB32CFUERCT-ND◊	11.68	8.84	8.15	MC908AB32CFUER
32K	1K	512	51	8-Ch., 8-Bit	8-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	64-QFP	MCHC908AB32CFURTR-ND		5746.50/750		MCHC908AB32CFUR2
		512	51	8-Ch., 8-Bit	8-Ch.	SCI, SPI	See Timer	5.0	8.0	-40 ~ 85	64-QFP	MC908AB32CFUERTR-ND◊		5746.20/750		MC908AB32CFUER
		512	50	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ32ACFU-ND	11.39	8.62	7.95	MC908AZ32ACFU
		512	50	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ32ACFUE-ND◊	9.47	7.81	7.14	MC908AZ32ACFUE
		512	50	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 125	64-QFP	MC908AZ32AMFUE-ND◊	12.54	9.49	8.75	MC908AZ32AMFUE
		512	50	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 105	64-QFP	MC908AZ32AVFUE-ND◊	11.97	9.05	8.35	MC908AZ32AVFUE
		—	29	—	2-Ch.	USB, SPI	See Timer	3.3, 5.0	8.0	0 ~ 70	48-QFN	MCHC908JW32FC-ND◊	6.69	4.78	4.35	MCHC908JW32FC
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	48-LQFP	MC908GR32ACFAE-ND◊	8.92	6.09	5.79	MC908GR32ACFAE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	32-LQFP	MC908GR32ACFJE-ND◊	8.92	6.09	5.79	MC908GR32ACFJE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	64-QFP	MC908GR32ACFUE-ND◊	9.24	6.30	6.00	MC908GR32ACFUE
	1.5K	—	37	8-Ch., 10-Bit	2-Ch.	CAN, SPI	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	48-LQFP	MC908GZ32CFAE-ND◊	7.17	5.91	5.40	MC908GZ32CFAE
		—	37	8-Ch., 10-Bit	2-Ch.	CAN, SPI	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	32-LQFP	MC908GZ32CFJE-ND◊	9.55	6.52	6.21	MC908GZ32CFJE
		—	37	8-Ch., 10-Bit	2-Ch.	CAN, SPI	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	64-QFP	MC908GZ32CFUE-ND◊	9.87	6.74	6.41	MC908GZ32CFUE
		—	30	8-Ch., 10-Bit	Dual 2-Ch.	I2C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	42-DIP	MC68HC908AP32CB-ND	7.43	5.31	4.83	MC68HC908AP32CB
		—	32	8-Ch., 10-Bit	Dual 2-Ch.	I2C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	44-QFP	MC908AP32CFBE-ND◊	7.43	5.31	4.83	MC908AP32CFBE
	2K	—	32	8-Ch., 10-Bit	2-Ch.	IIC, SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 85	44-LQFP	MC908AP32CFAE-ND◊	7.43	5.31	4.83	MC908AP32CFAE
		—	32	8-Ch., 10-Bit	2-Ch.	IIC, SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 125	64-QFP	MC908AB32MFUE-ND◊	12.52	9.47	8.74	MC908AB32MFUE
		—	32	8-Ch., 10-Bit	2-Ch.	IIC, SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 105	64-QFP	MC908AB32VFUE-ND◊	11.95	9.04	8.34	MC908AB32VFUE
		—	32	8-Ch., 10-Bit	2-Ch.	IIC, SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 105	64-QFP	MC908AB32AVFUE-ND◊	11.95	9.04	8.34	MC908AB32VFUE
	1K	—	32	6-Ch., 8-Bit	2-Ch.	—	16-Ch., 8-Bit	5.0	8.0	-40 ~ 85	42-DIP	MC9S08D48IBE-ND◊	9.25	5.94	5.36	MC9S08D48IBE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	48-LQFP	MC908GR48ACFAE-ND◊	9.98	6.81	6.48	MC908GR48ACFAE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	32-LQFP	MC908GR48ACFJE-ND◊	9.98	6.81	6.48	MC908GR48ACFJE
48K		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	64-QFP	MC908GR48ACFUE-ND◊	10.30	7.03	6.69	MC908GR48ACFUE
	1.5K	—	37	8-Ch., 10-Bit	2-Ch.	SCI, SPI, CAN	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	48-LQFP	MC908GZ48CFAE-ND◊	9.58	7.24	6.68	MC908GZ48CFAE
		—	37	8-Ch., 10-Bit	2-Ch.	SCI, SPI, CAN	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	64-QFP	MC908GZ48CFUE-ND◊	9.86	7.46	6.88	MC908GZ48CFUE
		1K	42	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	52-PLCC	MC908AS60ACFNE-ND◊	16.76	12.67	11.69	MC908AS60ACFNE
		1K	50	15-Ch., 8-Bit	6-Ch. + 2-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60ACFUE-ND◊	16.76	12.67	11.69	MC908AZ60ACFUE
		1K	50	15-Ch., 8-Bit	6-Ch. + 2-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 125	64-QFP	MC908AZ60AMFU-ND	18.42	13.93	12.85	MC908AZ60AMFU
		1K	50	15-Ch., 8-Bit	6-Ch. + 2-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 125	64-QFP	MC908AZ60AMFUE-ND◊	13.83	12.64	11.56	MC908AZ60AMFUE
		1K	52	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AS60ACFUE-ND◊	16.76	12.67	11.69	MC908AS60ACFUE
		1K	52	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 125	64-QFP	MC908AS60AMFUE-ND◊	18.44	13.95	12.86	MC908AS60AMFUE
		1K	52	15-Ch., 8-Bit	6-Ch.	SCI, SPI	See Timer	5.0	8.4	-40 ~ 105	64-QFP	MC908AS60AVFUE-ND◊	17.60	13.31	12.27	MC908AS60AVFUE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	48-LQFP	MC908GR60ACFAE-ND◊	9.96	7.53	6.95	MC908GR60ACFAE
		—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	32-LQFP	MC908GR60ACFJE-ND◊	9.96	7.53	6.95	MC908GR60ACFJE
60K	2K	—	21	8-Ch., 8-Bit	2-Ch.	SCI, SPI	See Timer	3.0 ~ 5.0	8.0	-40 ~ 85	64-QFP	MC908GR60ACFUE-ND◊	10.30	7.80	7.19	MC908GR60ACFUE
		—	37	24-Ch., 10-Bit	2-Ch.	SPI, ESCI	See Timer	3.0, 5.0	8.0	-40 ~ 85	48-LQFP	MC68HC908GZ60CFA-ND	10.53	7.97	7.35	MC68HC908GZ60CFA
		—	37	24-Ch., 10-Bit	2-Ch.	SPI, ESCI	See Timer	3.0, 5.0	8.0	-40 ~ 125	48-LQFP	MC908GZ60MFAE-ND◊	11.59	8.77	8.08	MC908GZ60MFAE
		—	37	8-Ch., 10-Bit	2-Ch.	SCI, SPI, CAN	See Timer	3.6 ~ 5.5	8.0	-40 ~ 85	32-LQFP	MC908GZ60CFJE-ND◊	10.53	7.97	7.35	MC908GZ60CFJE
		—	37	24-Ch., 10-Bit	2-Ch.	SPI, ESCI	See Timer	3.0, 5.0	8.0	-40 ~ 85	32-LQFP	MC68HC908GZ60CFJ-ND	10.53	7.97	7.35	MC68HC908GZ60CFJ
		—	37	24-Ch., 10-Bit	2-Ch.	SPI, ESCI	See Timer	3.0, 5.0	8.0	-40 ~ 85	64-QFP	MC68HC908GZ60CFU-ND	10.88	8.23	7.59	MC68HC908GZ60CFU
		—	37	24-Ch., 10-Bit	2-Ch.	SPI, ESCI	See Timer	3.0, 5.0	8.0	-40 ~ 105	64-QFP	MC68HC908GZ60VFU-ND	11.39	8.62	7.95	MC68HC908GZ60VFU
		—	52	15-Ch., 8-Bit	8-Ch.	MSCAN12, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60ACFUERCT-ND◊	17.04	12.89	11.89	MC908AZ60ACFUER
		—	52	15-Ch., 8-Bit	8-Ch.	MSCAN12, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60ACFUERTR-ND◊		8190.23/750		MC908AZ60ACFUER
		1K	52	15-Ch., 8-Bit	8-Ch.	MSCAN12, SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60AVFUR2CT-ND	17.89	13.53	12.47	MC908AZ60AVFUR2
61K	2K	1K	52	15-Ch., 8-Bit	8-Ch.	MSCAN12, SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60AVFUR2TR-ND		8595.00/750		MC908AZ60AVFUR2
		1K	52	15-Ch., 8-Bit	8-Ch.	MSCAN12, SCI, SPI	See Timer	5.0	8.4	-40 ~ 85	64-QFP	MC908AZ60AVFUE-ND◊	17.60	13.31	12.27	MC908AZ60AVFUE
		—	30	8-Ch., 10-Bit	Dual 2-Ch.	I2C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	42-DIP	MC68HC908AP64CB-ND	9.55	6.52	6.21	MC68HC908AP64CB
64K	2K	—	32	8-Ch., 10-Bit	Dual 2-Ch.	I2C, 2-SCI, SPI	See Timer	3.0, 5.0	8.0	-40 ~ 85	44-QFP	MC908AP64CFBE-ND◊	9.55	6.52	6.21	MC908AP64CFBE
		—	32	8-Ch., 10-Bit	2-Ch.	IIC, SCI, SPI	See Timer	3.3 ~ 5.0	8.0	-40 ~ 85	48-LQFP	MC908AP64CFAE-ND◊	9.55	6.52	6.21	MC908AP64CFAE
								NEW! RS08KA NEW!								
1K	63	—	4	—	1-Ch. (8-Bit)	—	—	1.8 ~ 5.5	10	-40 ~ 85	8-SOIC	MC9RS08KA1CSC-ND◊	.89	.56	.53	MC9RS08KA1CSC
2K		—	4	—	1-Ch. (8-Bit)	—	—	1.8 ~ 5.5	10	-40 ~ 85	8-SOIC	MC9RS08KA2CSC-ND◊	1.07	.67	.63	MC9RS08KA2CSC

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(Continued)

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FLASH (Bytes)	RAM (Bytes)	EEPROM (Bytes)	I/O	A/D	Timer (s) 16-Bit	Serial	PWM	Voltage (V)	Operating Freq. (MHz)	Max. Bus Temp. (°C)	Package	Digi-Key Part No.	Price Each 1	25	100	Freescale Part No.
HC9S08																
4K	128	—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0	8.0	-40 – 85	28-SOIC	MC68HRC98JL3ECDW-ND	5.25	3.19	3.05	MC68HRC98JL3ECDW
		—	23	12-Ch., 8-Bit	2-Ch.	—	See Timer	3.0	8.0	-40 – 85	28-SOIC	MCR908JL3ECDWE-ND◊	5.25	3.37	3.05	MCR908JL3ECDWE
	256	—	6	4-Ch., 10-Bit	—	—	—	1.8/3.6	8.0	-40 – 85	8-SOIC	MC9S08QG4CDNE-ND◊	2.01	1.23	1.12	MC9S08QG4CDNE
		—	14	8-Ch., 10-Bit	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	10.0	-40 – 85	16-TSSOP	MC9S08QG4CDTE-ND◊	2.27	1.39	1.26	MC9S08QG4CDTE
		—	14	8-Ch., 10-Bit	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	10.0	-40 – 85	16-QFN	MC9S08QG4CFFE-ND◊	2.32	1.41	1.29	MC9S08QG4CFFE
		—	6	4-Ch., 10-Bit	—	—	—	1.8/3.6	8.0	-40 – 85	8-QFN-D	MC9S08QG4CFQE-ND◊	2.08	1.27	1.16	MC9S08QG4CFQE
		—	6	4-Ch., 10-Bit	—	—	—	1.8/3.6	8.0	-40 – 85	8-DIP	MC9S08QG4CPAE-ND◊	1.93	1.18	1.07	MC9S08QG4CPAE
	512	—	6	4-Ch., 10-Bit	—	—	—	1.8/3.6	8.0	-40 – 85	8-SOIC	MC9S08QG8CDNE-ND◊	2.14	1.31	1.19	MC9S08QG8CDNE
		—	14	8-Ch., 10-Bit	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	10.0	-40 – 85	16-TSSOP	MC9S08QG8CDTE-ND◊	2.45	1.49	1.36	MC9S08QG8CDTE
		—	14	8-Ch., 10-Bit	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	10.0	-40 – 85	16-QFN	MC9S08QG8CFFE-ND◊	2.49	1.52	1.38	MC9S08QG8CFFE
		—	6	4-Ch., 10-Bit	—	—	—	1.8/3.6	8.0	-40 – 85	8-QFN-D	MC9S08QG8CFQE-ND◊	2.21	1.35	1.23	MC9S08QG8CFQE
		—	14	8-Ch., 10-Bit	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	10.0	-40 – 85	16-DIP	MC9S08QG8CPBE-ND◊	2.34	1.43	1.30	MC9S08QG8CPBE
8K	1K	—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RC8FGE-ND◊	5.13	3.11	2.97	MC9S08RC8FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RC8CFJE-ND◊	5.13	3.11	2.97	MC9S08RC8CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RD8CFJE-ND◊	5.38	3.26	3.12	MC9S08RD8CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RD8CFGE-ND◊	5.38	3.26	3.12	MC9S08RD8CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RE8FJE-ND◊	5.63	3.42	3.26	MC9S08RE8FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RE8FGE-ND◊	5.63	3.42	3.26	MC9S08RE8FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RE8CFJE-ND◊	5.63	3.42	3.26	MC9S08RE8CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RE8CFGE-ND◊	5.63	3.42	3.26	MC9S08RE8CFGE
16K	1K	—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	1.8/3.6	20.0	-40 – 85	44-QFP	MC9S08GT16CFBE-ND◊	5.63	4.02	3.66	MC9S08GT16CFBE
		—	36	—	2-Ch.	SCI, SPI	2 Ch., 16-Bit	1.8/3.6	20.0	-40 – 85	48-QFN	MC9S08GT16CFDE-ND◊	5.84	4.17	3.79	MC9S08GT16CFDE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RC16FJE-ND◊	6.26	4.48	4.07	MC9S08RC16FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RC16FGE-ND◊	6.26	4.48	4.07	MC9S08RC16FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RC16CFJE-ND◊	6.26	4.48	4.07	MC9S08RC16CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RC16CFGE-ND◊	6.26	4.48	4.07	MC9S08RC16CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RD16FJE-ND◊	6.48	4.63	4.21	MC9S08RD16FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RE16FJE-ND◊	6.79	4.86	4.41	MC9S08RE16FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RE16FGE-ND◊	6.79	4.86	4.41	MC9S08RE16FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RE16CFJE-ND◊	6.79	4.86	4.41	MC9S08RE16CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RE16CFGE-ND◊	6.79	4.86	4.41	MC9S08RE16CFGE
		—	38	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	48-QFN	MC9S08AW16CFDE-ND◊ ***NEW!***	3.84	2.47	2.31	MC9S08AW16CFDE
		—	34	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	44-LQFP	MC9S08AW16CFGE-ND◊ ***NEW!***	3.66	2.35	2.20	MC9S08AW16CFGE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW16CFUE-ND◊ ***NEW!***	4.13	2.65	2.48	MC9S08AW16CFUE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-LQFP	MC9S08AW16CPUE-ND◊ ***NEW!***	4.13	2.65	2.48	MC9S08AW16CPUE
32K	2K	—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	44-QFP	MC9S08GT32CFBE-ND◊	8.17	5.84	5.31	MC9S08GT32CFB
		—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	44-QFP	MC9S08GT32CFBE-ND◊	8.17	5.84	5.31	MC9S08GT32CFBE
		—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	1.8/3.6	20.0	-40 – 85	48-QFN	MC9S08GT32CFDE-ND◊	8.39	5.99	5.45	MC9S08GT32CFDE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RC32FJE-ND◊	7.96	5.69	5.17	MC9S08RC32FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RC 32CFJE-ND◊	7.96	5.69	5.17	MC9S08RC32CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RG32CFGE-ND◊	7.96	5.69	5.17	MC9S08RG32CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RG32CFJE-ND◊	8.17	5.84	5.31	MC9S08RG32CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RE32CFJE-ND◊	8.39	5.99	5.45	MC9S08RE32CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RG32CFJE-ND◊	8.60	5.87	5.59	MC9S08RG32CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RG32CFGE-ND◊	8.60	5.87	5.59	MC9S08RG32CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RG32FGE-ND◊	8.60	5.87	5.59	MC9S08RG32FGE
		—	56	8-Ch., 10-Bit	3-Ch. + 5-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	64-LQFP	MC9S08GB32CFU-ND	8.81	6.01	5.72	MC9S08GB32CFU
		—	56	8-Ch., 10-Bit	3-Ch. + 5-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	64-LQFP	MC9S08GB32CFUE-ND◊	8.81	6.01	5.72	MC9S08GB32CFUE
		—	38	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	48-QFN	MC9S08AW32CFDE-ND◊ ***NEW!***	4.13	2.65	2.48	MC9S08AW32CFDE
		—	34	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	44-LQFP	MC9S08AW32CFGE-ND◊ ***NEW!***	3.94	2.53	2.37	MC9S08AW32CFGE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW32CFUE-ND◊ ***NEW!***	4.41	2.83	2.65	MC9S08AW32CFUE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2 SCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-LQFP	MC9S08AW32CPUE-ND◊ ***NEW!***	4.41	2.83	2.65	MC9S08AW32CPUE
48K	2K	—	38	16-Ch., 10-Bit	2-Ch. + 6-Ch.	2-Ch. + 6-Ch.	See Timer	3.0/5.0	20.0	-40 – 85	48-QFN	MC9S08AW48CFDE-ND◊ ***NEW!***	4.93	3.95	3.46	MC9S08AW48CFDE
		—	34	16-Ch., 10-Bit	2-Ch. + 6-Ch.	2-Ch. + 6-Ch.	See Timer	3.0/5.0	20.0	-40 – 85	44-LQFP	MC9S08AW48CFGE-ND◊ ***NEW!***	4.74	3.80	3.33	MC9S08AW48CFGE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	2-Ch. + 6-Ch.	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW48CFUE-ND◊ ***NEW!***	5.21	4.17	3.65	MC9S08AW48CFUE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	2-Ch. + 6-Ch.	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW48CFUERTR-ND◊ ***NEW!***		2933.25/750		MC9S08AW48CFUER
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	2-Ch. + 6-Ch.	See Timer	3.0/5.0	20.0	-40 – 85	64-LQFP	MC9S08AW48CPUE-ND◊ ***NEW!***	5.21	4.17	3.65	MC9S08AW48CPUE
60K	2K	—	39	—	2-Ch.	SCI, SPI	See Timer	1.8 – 3.6	8.0	-40 – 85	44-LQFP	MC9S08RG60CFG-ND	9.67	7.32	6.75	MC9S08RG60CFG
		—	39	—	2-Ch.	SCI, SPI	See Timer	1.8 – 3.6	8.0	-40 – 85	44-LQFP	MC9S08RG60CFGE-ND◊	9.67	7.32	6.75	MC9S08RG60CFGE
		—	38	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2-ESCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	48-QFN	MC9S08AW60CFDE-ND◊ ***NEW!***	5.34	4.28	3.75	MC9S08AW60CFDE
		—	34	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2-ESCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	44-LQFP	MC9S08AW60CFGE-ND◊ ***NEW!***	5.16	4.13	3.61	MC9S08AW60CFGE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2-ESCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW60CFUE-ND◊ ***NEW!***	5.63	4.50	3.94	MC9S08AW60CFUE
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2-ESCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-QFP	MC9S08AW60CFUERTR-ND◊ ***NEW!***		3100.50/750		MC9S08AW60CFUER
		—	54	16-Ch., 10-Bit	2-Ch. + 6-Ch.	SPI, 2-ESCI, I^2C	See Timer	3.0/5.0	20.0	-40 – 85	64-LQFP	MC9S08AW60CPUE-ND◊ ***NEW!***	5.63	4.50	3.94	MC9S08AW60CPUE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RC60FJE-ND◊	10.08	6.88	6.55	MC9S08RC60FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RC60CFJE-ND◊	10.08	6.88	6.55	MC9S08RC60CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RC60CFGE-ND◊	10.08	6.88	6.55	MC9S08RC60CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RD60FGE-ND◊	10.30	7.03	6.69	MC9S08RD60FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RD60CFJE-ND◊	10.30	7.03	6.69	MC9S08RD60CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RD60CFGE-ND◊	10.30	7.03	6.69	MC9S08RD60CFGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	32-LQFP	MC9S08RE60FJE-ND◊	10.51	7.17	6.83	MC9S08RE60FJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	0 – 70	44-LQFP	MC9S08RE60FGE-ND◊	10.51	7.17	6.83	MC9S08RE60FGE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	32-LQFP	MC9S08RE60CFJE-ND◊	10.51	7.17	6.83	MC9S08RE60CFJE
		—	39	—	2-Ch.	SCI	2 Ch., 16-Bit	3.0	8.0	-40 – 85	44-LQFP	MC9S08RE60CFGE-ND◊	10.51	7.17	6.83	MC9S08RE60CFGE
		—	39	—	2-Ch.	SCI	—	3.0	8.0	0 – 70	32-LQFP	MC9S08RG60FJE-ND◊	9.67	7.32	6.75	MC9S08RG60FJE
		—	39	—	2-Ch.	SCI	—	3.0	8.0	0 – 70	44-LQFP	MC9S08RG60FGE-ND◊	9.67	7.32	6.75	MC9S08RG60FGE
		—	27	—	2-Ch.	SCI, SPI	See Timer	1.8 – 3.6	8.0	-40 – 85	32-LQFP	MC9S08RG60CFJ-ND	9.67	7.32	6.74	MC9S08RG60CFJ
		—	27	—	2-Ch.	SCI, SPI	See Timer	1.8 – 3.6	8.0	-40 – 85	32-LQFP	MC9S08RG60CFJE-ND◊	9.67	7.32	6.75	MC9S08RG60CFJE
	4K	—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	44-QFP	MC9S08GT60CFB-ND	10.51	7.17	6.83	MC9S08GT60CFB
		—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	44-QFP	MC9S08GT60CFBE-ND◊	10.51	7.17	6.83	MC9S08GT60CFBE
		—	36	8-Ch., 10-Bit	Dual 2-Ch.	SCI, SPI	See Timer	1.8/3.6	20.0	-40 – 85	48-QFN	MC9S08GT60CFDE-ND◊	9.67	7.32	6.75	MC9S08GT60CFDE
		—	56	8-Ch., 10-Bit	3-Ch. + 5-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	64-LQFP	MC9S08GB60CFU-ND	10.05	7.61	7.01	MC9S08GB60CFU
		—	56	8-Ch., 10-Bit	3-Ch. + 5-Ch.	SCI, SPI	See Timer	3.6	20.0	-40 – 85	64-LQFP	MC9S08GB60CFUE-ND◊	10.05	7.61	7.01	MC9S08GB60CFUE
Demo Boards																
Evaluation Board for MC9S08GB60												M68EVB908GB60-ND		265.90/1		M68EVB908GB60
Demo Board for MC9S08GB60												M68DEM0908GB60-ND		55.39/1		M68DEM0908GB60
Demo Board for MC9S08QG4/8												DEMO9S08QG8-ND		56.53/1		DEMO9S08QG8
Demo Board for MC9S08AW60												DEMO9S08AW60E-ND◊ ***NEW!***		96.09/1		DEMO9S08AW60E
Demo Board for 908AP64												DEMO908AP64-ND		83.30/1		DEMO908AP64
Demo Board for 908GZ60												DEMO908GZ60-ND		84.92/1		DEMO908GZ60
Demo Board for 908LB8												DEMO908LB8-ND		66.76/1		DEMO908LB8
Demo Board for 9S08RG60												DEMO9S08RG60-ND		68.06/1		DEMO9S08RG60
Evaluation Board for HC908GP32												M68EVB908GP32-ND		286.00/1		M68EVB908GP32

◊ *RoHS Compliant*

freescale semiconductor

Little Doesn't Have to Mean Limited — THINK BIG. Freescale's New RS08 Core and its MC9RS08KA 8-bit MCU

RS08 Core

The RS08 core is a reduced version of the S08 central processing unit (CPU) that has been specifically designed for small pin-count devices with under 16KB memory. Thirty percent smaller than the S08 CPU, it is more efficient and cost-effective for simple electro-mechanical devices that are migrating to fully solid-state electronic operation or portable devices that have evolved into smaller or even disposable versions.

MC9RS08KA2/1

Need an ultra low-end 8-bit MCU that won't say "no" to whatever your imagination dreams up?

With more on-board flash memory than competing devices, our 8-bit MC9RS08KA microcontroller (MCU) offers endless possibilities for designers facing constant challenges of shorter windows of opportunity, very large sales volumes that require low priced bill of materials (BOM) and scarce board space. This 6-pin device addresses all of these concerns with a simple design, cost-effective pricing and a tiny 3 mm x 3 mm dual flat no-lead (DFN) package option. Two 8-pin packages are also available. KA is ideal for small, energy efficient applications.

Applications

- High-brightness LED
- Lighting systems control
- Toys
- Small handheld devices
- Space-constrained applications
- Small appliances
- AC line voltage monitoring
- Simple logic replacement
- Analog driver replacement
- ASIC replacement

Features

8-bit RS08 Central Processor Unit (CPU)

- Up to 10MHz (bus frequency) RS08 CPU at 1.8 volts for 100 ns minimum instruction time
- RS08 instruction set — a subset of the powerful HC08 instruction set
- Supports tiny/short address mode
- Index addressing scheme through memory mapped registers X and D[X] within the tiny address range
- 14 byte code efficient RAM
- X and D[X] mapped within code efficient tiny address space
- 16 byte code efficient peripheral register space
- Page window
- Simplified interrupt mechanism
- Subroutine call/return mechanism

Integrated Third-Generation Flash

- Extremely fast, byte-writable programming — up to 20µs/byte
- Offers 1 KB write/erase cycles minimum over temperature

Flexible Clock Options

- Internal clock source module (ICS) contains a frequency-locked loop (FLL) controlled by internal reference

For more information, development tools, Virtual Lab, and to get started now, go to:

www.freescale.com/rs08

Package Options

Part Number	Package	Temp. Range
MC9RS08KA2CDB	6-pin DFN	-40°C to 85°C
MC9RS08KA2CSC	8-pin SOIC-NB	-40°C to 85°C
MC9RS08KA2CPC	8-pin PDIP	-40°C to 85°C
MC9RS08KA1CDB	6-pin DFN	-40°C to 85°C
MC9RS08KA1CSC	8-pin SOIC-NB	-40°C to 85°C
MC9RS08KA1CPC	8-pin PDIP	-40°C to 85°C

Block Diagram

RS08 core	LVD
1 KB/2 KB Flash	BDC
63 B RAM	COP
ICS	KBI
Analog comparator	8-bit MTIM

Development Tools

DEMO9RS08KA2

Cost-effective demonstration board with potentiometer, LEDs, serial port and built-in USB-BDM cable for debugging and programming

CYCLONEPROE

RS08/HC08/HCS08/HC12/HCS12 stand-alone Flash programmer or in-circuit emulator, debugger, Flash programmer; USB, serial, or Ethernet interface options

USBMULTILINKBDME

Universal HCS08/RS08 in-circuit debugger and Flash programmer; USB PC interface

CWX-H08-SE

CodeWarrior Special Edition for HC(S)08/RS08 MCUs. Includes integrated development environment (IDE), linker, debugger, unlimited assembler, Processor Expert™ auto-code generator and full-chip simulation. 16 KB C Compiler included for HC(S)08 MCUs.

Virtual Lab

Avoid the hassles of shipping, installation and configuration until you have evaluated the solution you really need. Run the available demos, go through tutorials, and try out your own code.

Virtual Labs can be used on demand when available or reserved for use at a specific time. Find quick start guides, development board information, manuals, product information, product summary, schematics tools, demos, tools and software.

Analog Devices Line Card

Amplifiers and Comparators
- Audio Amplifiers
- Buffer Amplifiers
- Comparators
- Current Sense Amplifiers
- Differential Amplifiers
- Gain Blocks
- Instrumentation Amplifiers
- Isolation Amplifiers
- Log Amps/Detectors
- Operational Amplifiers (Op Amps)
- Variable Gain Amplifiers

Analog-to-Digital Converters
- A/D Converters
- Audio A/D Converters
- Capacitance-to-Digital Converters
- Energy Measurement
- Isolated A/D Converters
- Synchro/Resolver-to-Digital Converters
- Temperature-to-Digital Converters
- Touchscreen Controllers
- Video Decoders
- Voltage-to-Frequency Converters

Digital-to-Analog Converters
- D/A Converters
- Audio D/A Converters
- Digital Potentiometers
- Video Encoders

Embedded Processing and DSP
- Blackfin® Processors
- TigerSHARC® Processors
- SHARC® Processors
- ADSP-21xx Processors
- Development Tools

MEMS and Sensors
- iMEMS® Accelerometers
- iMEMS Gyroscopes
- Analog/Digital Temperature Sensors

RF/IF Components
- Direct Digital Synthesis (DDS)
- Gain Blocks
- Log Amps/Detectors
- Mixers/Multipliers
- Modulators/Demodulators
- PLL Synthesizers/VCOs
- RF/IF Transceivers
- RF Switches
- RMS Detectors
- Rx/Tx Subsystems
- Short Range Transceivers
- DDS Modulators
- Digital Up-/Downconverters

Switches/Multiplexers
- Analog Crosspoint Switches
- Analog Switches
- Digital Crosspoint Switches
- Digital Switches
- Multiplexers (Muxes)
- RF Switches

Analog Microcontrollers

Interface
- Isolators
- Level Translators
- RS-232
- RS-485
- Transceivers

Power and Thermal Management
- Analog/Digital Temperature Sensors
- Battery Chargers
- Charge Pumps
- Fan Controllers
- Hot Swap Controllers
- LED Drivers
- Linear Regulators
- MOSFET Drivers
- Multifunctional Power ICs
- Power Supply Controllers
- Power Supply Sequencers
- Supervisory
- Switching Controllers
- Switching Regulators
- System Monitoring Products
- Temperature Setpoint Controllers

References
- Voltage References

Clock and Timing
- Clock Generation and Distribution
- PLL Synthesizers/VCOs
- Clock and Data Recovery/Retiming

Wireless Products
- Baseband Processing
- Cellular Terminal Chipsets
- DDS Modulators
- Digital Up-/Downconverters

Other Linear
- Analog Multipliers/Dividers
- Hall Effect Sensors
- LVDT Sensor Amplifiers
- Matched Transistors
- RMS-to-DC Converters
- Sample/Track-and-Hold Amplifiers

Audio/Video Products
- Audio A/D Converters
- Audio Amplifiers
- Audio Codecs
- Audio D/A Converters
- Audio Signal Processors
- Camera/Camcorder Analog Front Ends
- Display Interfaces
- Display Driver Electronics
- Lens Driver Components
- Sample Rate Converters
- Video Codecs
- Video Compression
- Video Encoders
- Video Decoders
- Video Filters

Broadband Products
- Broadband Amplifiers
- Broadband Codecs
- DSL/ADSL Chipsets
- CATV Amps/Splitters
- Clock and Data Recovery/Retiming
- Digital Crosspoint Switches

Fiber/Optic
- Clock and Data Recovery/Retiming
- Laser Drivers
- Log/Limiting Amplifiers
- Transimpedance Amplifiers

Other
- Automatic Test Equipment
- IOS Subsystems
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- Modems
- Multichip

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ANALOG DEVICES

ANALOG DEVICES

Blackfin Processor with Flash Memory for Industrial and Peripheral Intensive Applications

BLACKfin®

The Blackfin® Processor family has been expanded to address the ever-increasing need for more connection possibilities with two new family members. This connectivity is coupled with the high performance 16-/32-bit Blackfin embedded processor core, the flexible cache architecture, the enhanced DMA subsystem, and the Dynamic Power Management (DPM) functionality. System designers can take advantage of the combined control and signal processing capabilities of the processor core across a wide range of end applications through code compatibility of these new family members with existing Blackfin offerings.

A new addition to the Blackfin Processor family is the inclusion of integrated FLASH memory alongside the processor. There are two choices available in the ADSP-BF538F family, one with 512KB of onboard FLASH memory and one with 1MB of onboard FLASH memory. Both offer large code space for complex embedded systems and fast access time to the Blackfin core. This is in addition to the complementary Blackfin Processor memory system that offers a powerful and flexible cache architecture that can dynamically balance between the hard real-time tasks desired in SRAM and soft real-time control tasks and an Operating System (OS) requiring cache functionality.

Designed as an Integrated System

In addition to the embedded connectivity of CAN, the ADSP-BF538 processors include a variety of general purpose functions designed to minimize external IC count and offer broad control and communication. Peripherals include three SPI®-compatible ports, three UARTs, four SPORT ports, three multifunction timers, 54 general-purpose I/Os, dual Two-Wire Interface for I2C operation, a real-time clock, a watchdog timer, an event controller, and a JTAG/debug interface. The flexible Parallel Peripheral Interface (PPI) offers a direct connection to a variety of video encoders/decoders, display drivers, image sensors, and general-purpose converters.

Development Tools

Blackfin Processors are supported by:

— Analog Devices CROSSCORE® brand of industry leading development tools. The CROSSCORE components include the VisualDSP++® software development environment, EZ-KIT Lite® evaluation systems, EZ-Extender™ daughter boards, and PCI-based or USB-based emulators.

— Green Hills® Software award-winning MULTI® Embedded Software Development Environment and associated emulators.

The Blackfin Processor is Supported by Analog Devices Line of Robust and Flexible Development Tools

VisualDSP++®

VisualDSP++ delivers efficient project management, enabling programmers to move easily between editing, building, and debugging within a single interface.

Key features include:

- Optimizing C/C++ compiler
- Advanced plotting tools
- Embedded OS support (VDK)
- Award-winning statistical profiling
- TCP/IP and USB support
- Free software upgrades
- Free technical support

EZ-Extender®

A variety of Blackfin EZ-Extender daughter boards are available that allow developers to connect to a number of Analog Devices High Speed Converter (HSC) evaluation boards, camera evaluation boards, and external displays. Some of the EZ-Extenders contain a USB 2.0 interface and 10/100 Ethernet MAC and advanced audio and video circuitry.

EZ-KIT Lite® Evaluation Platform

A cost-effective method for initial evaluation and for learning more about ADI hardware and software development and prototype applications.

Green Hills® Software (GHS)

Along with Analog Devices, Green Hills Software has developed a multiyear product road map for hardware and software development tools, providing full support for the Blackfin Processor.

These include:

- MULTI® Integrated Development Environment (IDE)
- C, C++, and EC++ compilers
- Green Hills® Probe and Slingshot™ Hardware Debug Devices
- INTEGRITY® Real-Time Operating System
- *velOSity*™ Microkernel

From simulation to deployment, GHS technology saves time throughout a project development life cycle with powerful features and an efficient design that eliminates having to learn different tools and user interfaces.

Blackfin Test Integration Toolkit for NI LabVIEW

National Instruments LabVIEW toolkit provides a high level method for easily building test systems and utilities for Blackfin Processor systems.

By integrating testing, engineers can iteratively verify their design throughout the development process.

Early use of the Test Integration Toolkit reduces overall development time and improves the quality of products that use the Blackfin Processor.

LabVIEW Embedded Module for Blackfin Processors

The NI LabVIEW™ Embedded Module for Analog Devices Blackfin® Processors is a comprehensive graphical development environment for embedded design.

Jointly developed by ADI and NI, this module seamlessly integrates the LabVIEW Development Environment and Blackfin Embedded Processors.

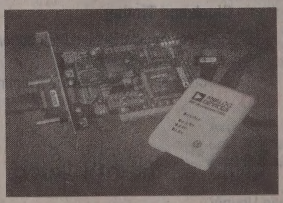
Included in the LabVIEW Embedded Module is everything required to develop your application quickly in LabVIEW and ultimately target a custom-developed hardware solution, taking designs from concept to production in a single integrated development environment.

By using this approach, engineers and scientists can achieve faster development times, lower development cost, and still deliver a high performance embedded processing solution.

Emulators

Analog Devices offers two High Performance (HP) emulator options for the Blackfin Processor. The HP PCI based emulator and the HP USB 2.0 based emulator deliver seamless exchange of real-time data from the host to the target application. These emulators are designed to take advantage of advanced features, such as the Background Telemetry Channel (BTC), a non-intrusive method for exchanging data between the host and target application without affecting the target system's real-time extended support characteristics.

Analog Devices also offers a USB 1.0 based emulator for the Blackfin Processor. This emulator offers the ease of use and portability associated with USB technology at a reduced price point.



ANALOG DEVICES **For more information: www.analog.com/processors**

ANALOG DEVICES Digital Signal Processors

ADI's embedded architectures feature simple yet powerful programming models and are supported by high quality development tools.

Blackfin® Processors: A new breed of embedded media processor designed specifically to meet the computational demands and power constraints of today's embedded audio, video and communications applications. Blackfin Processors combine a 32-bit RISC-like instruction set and dual 16-bit Multiply Accumulate signal processing functionality with the ease-of-use attributes found in general purpose microcontrollers.

TigerSHARC® Processors: This family offers the industry's highest performance per watt and per square inch of board space for the most demanding signal and image processing applications. The TigerSHARC's patented link port technology allows glueless interprocessor communication with arrays of two or more TigerSHARC Processors.

SHARC® DSPs: Using ADI's "Super" Harvard architecture, the SHARC family is optimized to enable a variety of real-time embedded signal processing applications and is known as a leader in premium audio applications.

ADSP-21xx/2199x and Mixed-Signal DSPs: The ADSP-21xx family architecture is built around a common instruction set architecture. All family members are code-compatible, fixed-point 16-bit DSPs. In addition, the ADSP-2199x family of mixed-signal DSPs provides a single-chip solution with signal processing and 14-bit ADC mixed signal integration.

MMACs Max.	Memory (kBytes)	External Memory Bus	PCI	USB Device	UARTs Timers	Watchdog Timer/RTC	Core Voltage (V) Max.	Clock Speed (MHz)	Package	Digi-Key Part No.	Price Each 1	25	100	Evaluation Platform	Development Software
Blackfin® Processors															
800	52	16-bit	No	No	Yes	Yes	1.2	400	160-MBGA	ADSP-BF531SBBCZ400-ND†	15.00	14.00	13.00	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	52	16-Bit	No	No	Yes	Yes	1.2	400	169-BGA	ADSP-BF531SBBZ400-ND†	19.65	18.34	17.03	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	52	16-Bit	No	No	Yes	Yes	1.2	400	176-LQFP	ADSP-BF531SBST400-ND	16.49	14.85	13.17	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	52	16-Bit	No	No	Yes	Yes	1.2	400	176-LQFP	ADSP-BF531SBST400-ND†	16.49	14.85	13.17	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	84	16-Bit	No	No	Yes	Yes	1.2	400	Mini BGA	ADSP-BF532SBBC400-ND	15.20	14.19	13.17	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	84	16-Bit	No	No	Yes	Yes	1.2	400	160-MBGA	ADSP-BF532SBBCZ400-ND†	15.20	14.19	13.17	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	84	16-Bit	No	No	Yes	Yes	1.2	400	169-BGA	ADSP-BF532SBBZ400-ND†	20.15	18.81	17.46	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	84	16-Bit	No	No	Yes	Yes	1.2	400	176-LQFP	ADSP-BF532SBSTZ400-ND†	15.20	14.19	13.17	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
1000	148	16-Bit	No	No	Yes	Yes	1.4	500	160-MBGA	ADSP-BF533SBBCZ500-ND†	26.22	24.48	22.73	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
1000	148	16-Bit	No	No	Yes	Yes	1.4	500	169-BGA	ADSP-BF533SBBZ500-ND†	30.27	28.26	26.24	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
1200	148	16-Bit	No	No	Yes	Yes	1.4	600	160-MBGA	ADSP-BF533SKBCZ600-ND†	32.30	30.15	27.99	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	132	16-Bit	No	No	Yes	Yes	1.2	400	182-MBGA	ADSP-BF534BBCZ-4A-ND† ***NEW!***	19.34	18.05	16.76	ADDS-BF537-EZLITE	VDSP-BLKFN-PC-FULL
1000	132	16-Bit	No	No	Yes	Yes	1.2	500	182-MBGA	ADSP-BF534BBCZ-5A-ND† ***NEW!***	26.33	24.57	22.82	ADDS-BF537-EZLITE	VDSP-BLKFN-PC-FULL
700	308	32-Bit	Yes	Yes	Yes	Yes	1.6	300	260-BGA	ADSP-BF535PKB-300-ND	55.50	51.80	48.10	ADDS-BF535-EZLITE	VDSP-BLKFN-PC-FULL
700	308	32-Bit	Yes	Yes	Yes	Yes	1.6	350	260-BGA	ADSP-BF535PKB-350-ND	69.38	64.75	60.13	ADDS-BF533-EZLITE	VDSP-BLKFN-PC-FULL
800	100	16-Bit	No	No	Yes	Yes	1.2	400	182-MBGA	ADSP-BF536BBCZ-4A-ND† ***NEW!***	20.15	18.81	17.46	ADDS-BF537-EZLITE	VDSP-BLKFN-PC-FULL
1000	132	16-Bit	No	No	Yes	Yes	1.2	500	182-MBGA	ADSP-BF537BBCZ-5A-ND† ***NEW!***	27.35	25.53	23.70	ADDS-BF537-EZLITE	VDSP-BLKFN-PC-FULL
1200	132	16-Bit	No	No	Yes	Yes	1.2	600	182-MBGA	ADSP-BF537KBCZ-6A-ND† ***NEW!***	33.51	31.28	29.05	ADDS-BF537-EZLITE	VDSP-BLKFN-PC-FULL
2400	328	32-Bit	No	No	Yes	Yes/No	1.2	600	297-PBGA	ADSP-BF561SBBZ600-ND† ***NEW!***	44.45	41.49	38.52	ADDS-BF561-EZLITE	VDSP-BLKFN-PC-FULL
2400	328	32-Bit	No	No	Yes	Yes/No	1.2	500	297-PBGA	ADSP-BF561SKBZ500-ND† ***NEW!***	36.75	34.30	31.85	ADDS-BF561-EZLITE	VDSP-BLKFN-PC-FULL
2400	328	32-Bit	No	No	Yes	Yes/No	1.2	600	297-PBGA	ADSP-BF561SKBZ600-ND† ***NEW!***	42.95	40.09	37.22	ADDS-BF561-EZLITE	VDSP-BLKFN-PC-FULL

† RoHS Compliant

Blackfin® DSP uClinux Kernel Board Support Package for the ADSP-BF537/533 Processor

The STAMP includes an ADSP-BF533 development board and a recent copy of the open source development tools (GCC 3.3.x) and the uClinux 2.6.x Kernel. The CD also includes documentation and the board schematics, Gerbers, and layout files.

The latest version of all the tools can be found on the http://blackfin.uclinux.org website.

ADDS-BF537-STAMP-ND **$226.10**

Daughter Boards

AD7476A-DBRD-ND	Evaluation Board for AD7476A	**$37.50**
AD7476-DBRD-ND	Evaluation Board for AD7476	**$37.50**
AD7940-DBRD-ND	Evaluation Board for AD7940 Stamp SPI	**$45.00**
AD1836A-DBRD-ND	Evaluation Board for AD1836A	**$120.00**

MMACs	On-Chip Memory (M-Bit)	External Memory (M-Bit)	Parallel Bus	Core Voltage / IO (V)	Clock Speed (MHz)	Package	Digi-Key Part No.	Price Each 1	25	100	Evaluation Platform	Development Software
TigerSHARC® Processors												
2000	6	32/64	Yes	1.2/3.3	250	625-BGA	ADSP-TS101SAB1000-ND	304.50	284.20	263.90	ADDS-TS101S-EZLITE	VDSP-TS-PC-FULL
2000	6	32/64	Yes	1.2/3.3	250	484-BGA	ADSP-TS101SAB2000-ND	304.50	284.20	263.90	ADDS-TS101S-EZLITE	VDSP-TS-PC-FULL
2400	6	32/64	Yes	1.2/3.3	300	484-BGA	ADSP-TS101SAB2100-ND	363.00	338.80	314.60	ADDS-TS101S-EZLITE	VDSP-TS-PC-FULL
2400	6	32/64	Yes	1.2/3.3	300	625-BGA	ADSP-TS101SAB1100-ND	363.00	338.80	314.60	ADDS-TS101S-EZLITE	VDSP-TS-PC-FULL

MMACs	MFLOPs	On-Chip SRAM (M-Bit)	On-Chip ROM (M-Bit)	Serial Ports	Link Ports	Core Voltage (V)	Clock Speed (MHz)	Package	Digi-Key Part No.	Price Each 1	25	100	Evaluation Platform	Development Software
SHARC® DSPs														
33	99	4	0	2	6	5	33	240-MQFP	ADSP-21060KS-133-ND	424.05	395.78	367.51	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	4	0	2	6	5	40	240-MQFP	ADSP-21060KS-160-ND	534.83	499.17	463.52	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	4	0	2	6	5	40	240-MQFP	ADSP-21060KSZ-160-ND†	534.83	499.17	463.52	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	4	0	2	6	3.3	40	240-CQFP	ADSP-21060LCWZ-160-ND†	1025.70	957.32	888.94	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	4	0	2	6	3.3	40	225-BGA	ADSP-21060LKB-160-ND	615.06	574.06	533.06	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
33	99	1	0	2	0	5	33	240-MQFP	ADSP-21061KS-133-ND	94.59	88.29	81.98	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	1	0	2	0	5	40	240-MQFP	ADSP-21061KSZ-160-ND†	98.24	91.69	85.14	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	1	0	2	0	3.3	40	225-BGA	ADSP-21061LKB-160-ND	74.58	69.61	64.64	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	1	0	2	0	3.3	40	240-MQFP	ADSP-21061LKSZ-160-ND†	63.68	59.43	55.19	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
44	132	1	0	2	0	3.3	44	240-MQFP	ADSP-21061LKSZ-176-ND†	74.58	69.61	64.64	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
33	99	2	0	2	0	5	33	240-MQFP	ADSP-21062KSZ-133-ND†	170.21	158.86	147.52	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	2	0	2	0	5	40	240-MQFP	ADSP-21062KS-160-ND	194.84	181.85	168.86	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	2	0	2	0	3.3	40	240-MQFP	ADSP-21062LCS-160-ND	276.96	258.50	240.04	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	2	0	2	6	3.3	40	225-BGA	ADSP-21062LKB-160-ND	242.58	226.41	210.24	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	2	0	2	6	3.3	40	225-BGA	ADSP-21062LKBZ-160-ND†	242.58	226.41	210.24	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
40	120	2	0	2	6	3.3	40	240-MQFP	ADSP-21062LKSZ-160-ND†	221.57	206.80	192.03	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL
60	180	0.5	0	2	0	3.3	60	208-MQFP	ADSP-21065LCSZ-240-ND†	67.50	63.00	58.50	ADDS-21065L-EZLITE	VDSP-SHARC-PC-FULL
60	180	0.5	0	2	0	3.3	66	196-MBGA	ADSP-21065LKCAZ240-ND†	63.75	59.50	55.25	ADDS-21065L-EZLITE	VDSP-SHARC-PC-FULL
66	198	0.5	0	2	0	3.3	66	196-MBGA	ADSP-21065LKCAZ264-ND†	66.30	61.88	57.46	ADDS-21065L-EZLITE	VDSP-SHARC-PC-FULL
60	180	0.5	0	2	0	3.3	66	208-MQFP	ADSP-21065LKSZ-240-ND†	40.50	37.80	35.10	ADDS-21065L-EZLITE	VDSP-SHARC-PC-FULL
66	198	0.5	0	2	0	3.3	66	208-MQFP	ADSP-21065LKSZ-264-ND†	64.50	60.20	55.90	ADDS-21065L-EZLITE	VDSP-SHARC-PC-FULL
160	480	4	0	2	6	2.5	80	400-BGA	ADSP-21160MKBZ-80-ND†	295.35	275.66	255.97	ADDS-21160-EZLITE	VDSP-SHARC-PC-FULL
200	600	4	0	2	6	1.9	100	400-BGA	ADSP-21160NCB-100-ND	315.15	294.14	273.13	ADDS-21160-EZLITE	VDSP-SHARC-PC-FULL
200	600	4	0	2	6	1.9	100	400-BGA	ADSP-21160NKB-100-ND	295.35	275.66	255.97	ADDS-21160-EZLITE	VDSP-SHARC-PC-FULL
200	600	1	0	4	2	1.8	100	225-MBGA	ADSP-21161NCCA100-ND	50.37	47.02	43.66	ADDS-21161N-EZLITE	VDSP-SHARC-PC-FULL
200	600	1	0	4	2	1.8	100	225-MBGA	ADSP-21161NKCA100-ND	41.97	39.18	36.38	ADDS-21161N-EZLITE	VDSP-SHARC-PC-FULL
400	1200	2	4	6	0	1.2	200	144-LQF	ADSP21262SKBCZ200-ND†	27.51	25.68	23.85	ADDS-21262-EZLITE	VDSP-SHARC-PC-FULL

† RoHS Compliant

(Continued)

Program RAM Words (KWords)	Data RAM Words (KWords)	External Memory Bus (Bits)	Host Port	SPORT	SPI / UART	Timers	Core Voltage (V)	ADC	Clock Speed (MHz)	Package	Digi-Key Part No.	Price Each 1	25	100	Evaluation Platform	Development Software
ADSP-21xx/2199x and Mixed-Signal DSPs																
2	1	24	No	2	No	1	5	—	25	68-PLCC	ADSP-2101BPZ-100-ND†	46.70	43.59	40.47	—	VDSP-21XX-PC-FULL
2	1	24	No	2	No	1	5	—	25	80-PQFP	ADSP-2101BS-100-ND	53.72	50.14	46.56	—	VDSP-21XX-PC-FULL
1	0.5	24	No	1	No	1	5	—	20	68-PLCC	ADSP-2105BPZ-80-ND†	21.36	19.94	18.52	—	VDSP-21XX-PC-FULL
2	1	24	Yes	2	No	1	5	—	20	100-PGA	ADSP-2111BG-80-ND	245.64	229.27	212.89	—	VDSP-21XX-PC-FULL
1	0.5	24	No	2	No	1	5	—	25	68-PLCC	ADSP-2115BP-100-ND	29.78	27.79	25.81	—	VDSP-21XX-PC-FULL
2	2	24	Yes	2	No	1	5	—	33.3	128-PQFP	ADSP-2171BS-133-ND	67.83	63.31	58.79	—	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	128-PQFP	ADSP-2181BSZ-133-ND†	41.84	39.05	36.26	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	128-TQFP	ADSP-2181BSTZ-133-ND†	46.49	43.39	40.29	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	128-PQFP	ADSP-2181KS-133-ND	41.84	39.05	36.26	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	128-PQFP	ADSP-2181KSZ-133-ND†	41.84	39.05	36.26	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	128-TQFP	ADSP-2181KSTZ-133-ND†	46.49	43.39	40.29	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	40	128-PQFP	ADSP-2181KSZ-160-ND†	46.49	43.39	40.29	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	40	128-TQFP	ADSP-2181KSTZ-160-ND†	46.49	43.39	40.29	ADDS-2181-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	28.8	128-LQFP	ADSP-2183BST-115-ND	43.82	40.90	37.98	ADDS-2183M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	40	128-LQFP	ADSP-2183BST-160-ND	48.20	44.99	41.77	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	52	128-LQFP	ADSP-2183KST-210-ND	48.20	44.99	41.77	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	52	128-LQFP	ADSP-2183KSTZ-210-ND†	48.20	44.99	41.77	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
4	4	24	No	2	No	1	5	—	40	100-LQFP	ADSP-2184BSTZ-160-ND†	16.50	15.40	14.30	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
4	4	24	No	2	No	1	3.3	—	40	100-LQFP	ADSP-2184LBST-160-ND	16.50	15.40	14.30	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	28.8	100-LQFP	ADSP-2185KSTZ-115-ND†	38.04	35.51	32.97	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	100-TQFP	ADSP-2185BST-133-ND	46.01	42.94	39.88	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	100-LQFP	ADSP-2185BSTZ-133-ND†	41.82	39.04	36.25	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	100-TQFP	ADSP-2185KST-133-ND	41.84	39.05	36.26	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	5	—	33.3	100-LQFP	ADSP-2185KSTZ-133-ND†	41.84	39.05	36.26	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	33.3	100-LQFP	ADSP-2185LBST-133-ND	43.82	40.90	37.98	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	No	2	No	1	3.3	—	40	100-LQFP	ADSP-2185LBST-160-ND	48.20	44.99	41.77	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	Yes	2	No	1	2.5	—	66	100-LQFP	ADSP-2185MBST-266-ND	18.98	17.71	16.45	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	Yes	2	No	1	2.5	—	75	100-LQFP	ADSP-2185MKST-300-ND	18.98	17.71	16.45	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2185NKST-320-ND	18.57	17.34	16.10	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
16	16	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2185NKSTZ-320-ND†	18.57	17.34	16.10	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
8	8	24	Yes	2	No	1	5	—	28.8	100-LQFP	ADSP-2186KST-115-ND	28.52	26.62	24.72	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
8	8	24	Yes	2	No	1	5	—	28.8	100-LQFP	ADSP-2186KSTZ-115-ND†	28.52	26.62	24.72	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
8	8	24	No	2	No	1	5	—	33.3	100-LQFP	ADSP-2186KSTZ-133-ND†	31.37	29.28	27.19	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
8	8	24	Yes	2	No	1	2.5	—	75	100-LQFP	ADSP-2186MKST-300-ND	16.49	14.85	13.17	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
8	8	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2186NBST-320-ND	15.58	14.03	12.44	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	32	34	Yes	2	No	1	3.3	—	52	100-TQFP	ADSP-2187LBSTZ-210-ND†	70.64	65.93	61.22	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	32	34	Yes	2	No	1	3.3	—	52	100-TQFP	ADSP-2187LKST-210-ND	64.20	59.92	55.64	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	32	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2187NKST-320-ND	33.00	30.80	28.60	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	32	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2187NKSTZ-320-ND†	33.00	30.80	28.60	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
48	56	24	Yes	2	No	1	2.5	—	75	100-LQFP	ADSP-2188MKST-300-ND	52.80	49.28	45.76	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	48	24	Yes	2	No	1	2.5	—	66	100-LQFP	ADSP-2189MBST-266-ND	43.73	40.81	37.90	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	48	24	Yes	2	No	1	2.5	—	75	100-LQFP	ADSP-2189MKSTZ-300-ND†	43.73	40.81	37.90	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	48	24	Yes	2	No	1	1.8	—	80	144-MBGA	ADSP-2189NBSTZ-320-ND†	41.25	38.50	35.75	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	48	24	Yes	2	No	1	1.8	—	80	100-LQFP	ADSP-2189NKST-320-ND	41.25	38.50	35.75	ADDS-2189M-EZLITE	VDSP-21XX-PC-FULL
32	32	16	Yes	3	Yes	3	2.5	—	160	144-LQFP	ADSP-2191MKSTZ-160-ND†	30.59	28.55	26.51	ADDS-2191-EZLITE	VDSP-21XX-PC-FULL
16	16	16	Yes	3	Yes	3	2.5	—	140	144-LQFP	ADSP-2195MBST-140-ND	25.23	23.55	21.87	ADDS-2191-EZLITE	VDSP-21XX-PC-FULL
16	16	16	Yes	3	Yes	3	2.5	—	160	144-LQFP	ADSP-2195MKST-160-ND	25.23	23.55	21.87	ADDS-2191-EZLITE	VDSP-21XX-PC-FULL
8	8	16	Yes	3	Yes	3	2.5	—	140	144-LQFP	ADSP-2196MBST-140-ND	20.15	18.81	17.46	ADDS-2191-EZLITE	VDSP-21XX-PC-FULL
8	8	16	Yes	3	Yes	3	2.5	—	160	144-LQFP	ADSP-2196MKST-160-ND	20.15	18.81	17.46	ADDS-2191-EZLITE	VDSP-21XX-PC-FULL
4	4	24	Yes	1	Yes	3	2.5	Dual Ch., 14-Bit 20 MSPS	160	176-LQFP	ADSP-21990BST-ND	36.11	33.70	31.30	ADDS-21992-EZLITE	VDSP-21XX-PC-FULL
32	8	24	Yes	1	Yes	3	2.5	Dual Ch., 14-Bit 20 MSPS	160	176-LQFP	ADSP-21991BST-ND	42.29	39.47	36.65	ADDS-21992-EZLITE	VDSP-21XX-PC-FULL
32	16	24	Yes	1	Yes	3	2.5	Dual Ch., 14-Bit 20 MSPS	160	176-LQFP	ADSP-21992BSTZ-ND†	46.41	43.32	40.23	ADDS-21992-EZLITE	VDSP-21XX-PC-FULL
32	16	24	Yes	1	Yes	3	2.5	Dual Ch., 14-Bit 20 MSPS	100	176-LQFP	ADSP-21992YST-ND	46.41	43.32	40.23	ADDS-21992-EZLITE	VDSP-21XX-PC-FULL

† RoHS Compliant

(Continued)

VisualDSP++™ Integrated Development Environment

VisualDSP++ is an easy to install and easy to use integrated software development and debugging environment that enables efficient management of projects from start to finish from within a single interface. VisualDSP++ supports all Analog Devices processor families.

Contents: • Assembler • Linker • Simulator • C/C++ compiler • Debugger • PROM splitter • Graphical plotting • Expert Linker • Math, DSP and C/C++ runtime library • Integrated development environment • VisualDSP++ Kernel • Statistical profiling • VisualDSP++ Component Software Engineering ***(Note: ADSP-218x does not have C++ support.)***

VDSP-21XX-PC-FULL-ND	$3500.00
VDSP-BLKFN-PCFULL-ND	$3500.00
VDSP-BLKFNPCFLOAT-ND	$4250.00
VDSP-SHARC-PCFULL-ND	$3500.00
VDSP-TS-PC-FULL-ND	$3500.00

Emulator Development Tools

All emulators require VisualDSP++software for the corresponding processor.

ADDS-218X-ICE2.5V-ND	$2543.63
ADDS-HPPCI-ICE-ND	$5100.00
ADDS-HPUSB-ICE-ND	$4250.00
ADDS-USB-ICE-ND	$1275.00

EZ-KIT Lite™ Evaluation Kit

The EZ-KIT Lite provides an easy way to evaluate the power of ADI's processors and begin to develop applications.

Kit Contents:
• Stand-alone evaluation board • Evaluation suite of VisualDSP++ to facilitate architecture evaluations via a PC-hosted tool set.

EZ-KIT Lite users can:
• Evaluate ADI's processors • Learn about DSP applications • Simulate and debug applications • Prototype applications

ADDS-2181-EZLITE-ND		$312.38
ADDS-21065LEZLITE-ND		$381.23
ADDS-21161NEZLITE-ND		$495.00
ADDS-21262-EZLITE-ND		$525.94
ADDS-21992-EZLITE-ND		$495.00
ADDS-BF533-EZLITE-ND		$400.00
ADDS-BF535-EZLITE-ND		$295.00
ADDS-BF537-EZLITE-ND		$371.88
ADDS-BF561-EZLITE-ND		$525.94
ADDS-TS101SEZLITE-ND		$995.00
ADDSTS201SEZLITE-ND		$995.00
ADDS-BF-EZEXT-1-ND	Daughter Board for BF533/561 Kit	$195.00
ADDS-BFAV-EZEXT-ND		$254.36

C

DSP Based Motor Control Applications (ADSP-2100 Family Code Compatible)

ADMC331ADVEVALKIT-ND	$521.40
ADMC401ADVEVALKIT-ND	$521.40

Program RAM	Program ROM	Data RAM	Program FLASH	Voltage Reference	Clock (MHz)	Package	Digi-Key Part No.	Price Each 1	25	100
4K x 24-Bit	2K x 24-Bit	1K x 16-Bit	—	2.5V	25	80-TQFP	ADMC300BST-ND	32.93	30.73	28.54
4K x 24-Bit	2K x 24-Bit	1K x 16-Bit	—	2.5V	25	80-TQFP	ADMC300BSTZ-ND†	32.93	30.73	28.54
512 x 24-Bit	4K x 24-Bit	512 x 16-Bit	4K x 24-Bit	2.5V	20	28-DIP	ADMCF326BN-ND	27.12	25.32	23.51
512 x 24-Bit	4K x 24-Bit	512 x 16-Bit	4K x 24-Bit	2.5V	20	28-SOIC	ADMCF326BR-ND	22.31	20.82	19.34
512 x 24-Bit	4K x 24-Bit	512 x 16-Bit	4K x 24-Bit	2.5V	20	28-SOIC	ADMCF328BR-ND	22.31	20.82	19.34
512 x 24-Bit	4K x 24-Bit	512 x 16-Bit	4K x 24-Bit	2.5V	20	64-LQFP	ADMCF340BST-ND	25.77	24.06	22.34
512 x 24-Bit	4K x 24-Bit	512 x 16-Bit	4K x 24-Bit	2.5V	20	28-SOIC	ADMCF341BR-ND	24.56	22.92	21.29
2K x 24-Bit	2K x 24-Bit	1K x 16-Bit	—	2.5V	26	144-LQFP	ADMC401BSTZ-ND†	41.18	38.43	35.69

† RoHS Compliant

Precision Analog Microcontrollers

MicroConverter™ ICs were the first to integrate true 12-bit to 24-bit analog precision ADCs, in-circuit reprogrammable Flash/EE memory and an on-chip 8052 or ARM core. Applications include industrial, instrumentation, communications, and automotive control.

Features: Precision Analog: • 12-bit to 24-bit ADC resolution • Sample rates up to 1Msps • Flexible ADC input multiplexing • Programmable gain differential inputs • Self-calibration • On-chip 2.5V band gap reference • Single, dual or quad rail-to-rail DAC

Integrated Programmable Peripherals: • 8052 or ARM7 MCU core (up to 45 MIPS) • Flash/EE code memory (up to 62k) • Flash/EE data memory (up to 4k) • RAM (up to 8k) • Flexible SPI, I²C, and UART serial ports • High speed baud rate generator • Multiple PWM outputs

Program Memory (Kbytes)	Flash Data (Bytes)	RAM (Bytes)	I/O	ADC	DAC	PWM (16-Bit)	Timers (16-Bit)	Operating Temperature Range	Package	Digi-Key Part No.	Price Each 1	25	100
8	640	256	32	Dual, 12-Bit	2-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	56-LFCSP	ADUC812BCP-ND	15.71	14.15	12.55
8	640	256	32	1, 12-Bit	2-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	52-MQFP	ADUC812BSZ-ND†	15.71	14.15	12.55
8	640	256	16	1, 12-Bit	2-Ch., 12-Bit	—	Yes	-40°C ~ 125°C	28-TSSOP	ADUC814ARUZ-ND†	8.56	7.71	6.84
8	640	256	16	1, 12-Bit	2-Ch., 12-Bit	—	Yes	-40°C ~ 125°C	28-TSSOP	ADUC814BRUZ-ND†	10.00	9.00	7.98
8	640	256	32	Dual, 16-Bit	1-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	56-LFCSP	ADUC816BCP-ND	15.53	14.49	13.46
8	640	256	32	Dual, 16-Bit	1-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	52-MQFP	ADUC816BS-ND	15.53	14.49	13.46
8	640	256	32	Dual, 16-Bit	1-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	52-MQFP	ADUC816BSZ-ND†	15.53	14.49	13.46
8	640	256	32	16 and 24 Bit	1-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	56-LFCSP	ADUC824BCP-ND	19.28	17.99	16.71
8	640	256	32	16 and 24 Bit	1-Ch., 12-Bit	—	Yes	-40°C ~ 85°C	52-MQFP	ADUC824BS-ND	19.28	17.99	16.71
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC831BCP-ND	16.58	14.93	13.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC831BSZ-ND†	16.58	14.93	13.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC832BCP-ND	16.58	14.93	13.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC832BS-ND	16.58	14.93	13.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC832BSZ-ND† ***NEW!***	16.58	14.93	13.24
62	4K	2K + 256	32	16 and 24 Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC834BCP-ND	21.00	19.60	18.20
62	4K	2K + 256	32	16 and 24 Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC834BSZ-ND† ***NEW!***	21.00	19.60	18.20
62	4K	2K + 256	32	Dual, 16 Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC836BCP-ND	16.88	15.75	14.63
62	4K	2K + 256	32	Dual, 16 Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC836BSZ-ND†	16.88	15.75	14.63
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC841BCP62-3-ND	21.90	17.52	14.79
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC841BS62-3-ND	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC841BSZ62-3-ND†	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC841BCP62-5-ND	21.90	17.52	14.79
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC841BSZ62-5-ND†	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC841BCP8-3-ND	14.90	11.92	10.06
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC841BCP8-5-ND	14.90	11.92	10.06
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCP32-3-ND	16.20	12.96	10.94
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCP32-5-ND	16.20	12.96	10.94
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCPZ62-3-ND†	16.43	15.33	14.24

† RoHS Compliant

(Continued)

Precision Analog Microcontrollers *(Cont.)*

Program Memory (Kbytes)	Flash Data (Bytes)	RAM (Bytes)	I/O	ADC	DAC	PWM (16-Bit)	Timers (16-Bit)	Operating Temperature Range	Package	Digi-Key Part No.	Price Each 1	25	100
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC842BS62-3-ND	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC842BSZ62-3-ND†	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCP62-5-ND	21.90	17.52	14.79
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC842BSZ62-5-ND†	16.43	15.33	14.24
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCP8-3-ND	14.90	11.92	10.06
62	4K	2K + 256	32	1, 12-Bit	2-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC842BCP8-5-ND	14.90	11.92	10.06
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP32-3-ND	13.34	10.68	9.01
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP32-5-ND	13.34	10.68	9.01
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP32Z-5-ND†	11.11	10.01	8.88
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP62-3-ND	15.70	12.56	10.60
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC843BSZ62-3-ND†	13.08	11.78	10.45
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP62-5-ND	15.70	12.56	10.60
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	52-MQFP	ADUC843BSZ62-5-ND†	13.08	11.78	10.45
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP8-3-ND	11.70	9.36	7.90
62	4K	2K + 256	32	1, 12-Bit	—	2	Yes	-40°C ~ 85°C	56-LFCSP	ADUC843BCP8-5-ND	11.70	9.36	7.90
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC845BCP62-3-ND	27.70	22.16	18.70
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC845BCPZ62-3-ND† ***NEW!***	20.78	19.39	18.01
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC845BSZ62-3-ND	27.70	22.16	18.70
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC845BCP62-5-ND	27.70	22.16	18.70
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC845BCPZ62-5-ND†	20.78	19.39	18.01
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC845BSZ62-5-ND†	20.78	19.39	18.01
8	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC845BS8-5-ND	20.30	16.24	13.71
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC847BCP62-3-ND	21.90	17.52	14.79
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BS62-3-ND	21.90	17.52	14.79
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC847BCP62-5-ND	21.90	17.52	14.79
62	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BSZ62-5-ND†	16.43	15.33	14.24
32	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BS32-3-ND	17.90	14.32	12.09
32	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BS32-5-ND	17.90	14.32	12.09
32	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BSZ32-5-ND†	14.91	13.43	11.91
8	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC847BCP8-3-ND	13.30	10.64	8.98
8	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BS8-3-ND	13.30	10.64	8.98
8	4K	2K + 256	32	Dual, 24-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC847BS8-5-ND	13.30	10.64	8.98
62	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC848BS62-3-ND	18.60	14.88	12.56
62	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC848BCP62-5-ND	18.60	14.88	12.56
62	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC848BSZ62-5-ND†	15.49	13.95	12.37
32	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC848BS32-3-ND	14.90	11.92	10.06
32	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 125°C	52-MQFP	ADUC848BS32-5-ND	14.90	11.92	10.06
8	4K	2K + 256	32	Dual, 16-Bit	1-Ch., 12-Bit	2	Yes	-40°C ~ 85°C	56-CSP	ADUC848BCP8-5-ND	11.32	9.06	7.65

† *RoHS Compliant*

ARM7 Core Microconverter

RoHS COMPLIANT

RAM (Kbytes)	FLASH (Kbytes)	Downloader	GP I/O	ADC Channels	DAC Channels	PWM (16 Bit)	Temperature Range	Package	Digi-Key Part No.	Price Each 1	25	100
ADuC702x Series												
8	62	I²C	14	5² (12-Bit)	3 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7019BCPZ62I-ND ***NEW!***	11.95	10.80	9.58
8	62	UART	14	5 (12-Bit)	4 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7020BCPZ62-ND ***NEW!***	12.88	11.60	10.29
8	62	I²C	14	5 (12-Bit)	4 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7020BCPZ62I-ND ***NEW!***	12.88	11.60	10.29
4	32	UART	13	8 (12-Bit)	2 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7021BCP32-ND ***NEW!***	9.25	8.33	7.39
8	62	UART	13	8 (12-Bit)	2 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7021BCPZ62-ND ***NEW!***	10.36	9.33	8.28
8	62	I²C	13	8 (12-Bit)	2 (12-Bit)	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7021BCPZ62I-ND ***NEW!***	10.36	9.33	8.28
4	32	UART	13	10 (12-Bit)	—	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7022BCP32-ND ***NEW!***	9.04	7.24	6.11
8	62	UART	13	10 (12-Bit)	—	Single	-40°C~125°C	40-Lead LFCSP_VQ	ADUC7022BCPZ62-ND ***NEW!***	8.66	7.80	6.92
8	62	UART	30	10 (12-Bit)	2 (12-Bit)	3-Phase	-40°C~125°C	64-Lead LFCSP_VQ	ADUC7024BCPZ62-ND ***NEW!***	13.24	11.93	10.58
8	62	UART	30	10 (12-Bit)	2 (12-Bit)	3-Phase	-40°C~125°C	64-Lead LQFP	ADUC7024BSTZ62-ND ***NEW!***	13.24	11.93	10.58
4	32	UART	30	12 (12-Bit)	—	3-Phase	-40°C~125°C	64-Lead LFCSP_VQ	ADUC7025BCP32-ND ***NEW!***	9.91	8.93	7.92
8	62	UART	30	12 (12-Bit)	—	3-Phase	-40°C~125°C	64-Lead LFCSP_VQ	ADUC7025BCPZ62-ND ***NEW!***	11.33	10.20	9.05
8	62	UART	30	12 (12-Bit)	—	3-Phase	-40°C~125°C	64-Lead LQFP	ADUC7025BSTZ62-ND ***NEW!***	11.33	10.20	9.05
8	62	I²C	40	12 (12-Bit)	4 (12-Bit)	3-Phase	-40°C~125°C	80-Lead LQFP	ADUC7026BSTZ62I-ND* ***NEW!***	16.66	15.00	13.30
8	62	UART	40	12 (12-Bit)	4-Ch (12-Bit)	3-Phase	-40°C~125°C	80-Lead LQFP	ADUC7026BSTZ62-ND*	15.00	14.00	13.00
8	62	UART	40	16 (12-Bit)	—	3-Phase	-40°C~125°C	80-Lead LQFP	ADUC7027BSTZ62-ND* ***NEW!***	12.16	10.95	9.71

* Includes external memory interface

QuickStart Development Kit

The "entry level" QuickStart Development System allows designers to rapidly evaluate MicroConverter performance and functionality, and then begin a prototype development. It fully supports assembly level code development via a serial port debug path and provides designers with access to a demonstration project of the C-level development environment available in QuickStart-Plus.

Kit Contents: • Evaluation Board • Serial Download/Debug Cable • Sample Device(s) • International Power Supply • Software and Documentation

EVAL-ADUC812QS-ND $75.00	EVAL-ADUC831QS-ND $75.00	EVAL-ADUC841QS-ND $75.00
EVAL-ADUC814QS-ND $75.00	EVAL-ADUC832QS-ND $75.00	EVAL-ADUC842QS-ND $75.00
EVAL-ADUC816QS-ND $75.00	EVAL-ADUC834QS-ND $75.00	EVAL-ADUC845QS-ND $75.00
EVAL-ADUC824QS-ND $75.00	EVAL-ADUC836QS-ND $75.00	EVAL-ADUC847QS-ND $75.00

ARM7 Development Kits

Kit Contents:
- Software Development Tools
- Power Supply (Not included in Mini-Kit)
- Cables
- Evaluation Board
- JTAG Emulator (QSP only)

EVAL-ADUC7024QS-ND $90.67

EVAL-ADUC7026QS-ND $90.67

EVAL-ADUC7026QSP-ND ***NEW!*** $313.33

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RENESAS

High-performance CAN MCUs — Ideal for Crucial Real-Time Control

R8C/Tiny 22 & 23 Microncontrollers

The R8C/22 and R8C/23 are FullCAN (ver.2.0B) 16-bit MCUs optimized for industrial, automotive, and other networked system applications that must deliver good performance and reliable communication, while meeting difficult cost goals. These new additions to our popular R8C Tiny family are small in size, yet big in performance, features, and value. Their 20MHz CPU core supports a 1MB address space, includes a 16-bit multiplier and executes instructions in as fast as 50ns. The CPU's set of 89 instructions delivers high efficiency and is code-compatible with higher-functionality MCUs in the M16C family platform.

The R8C/22 and R8C/23 MCUs provide a high level of peripheral integration. Besides the on-chip FullCAN function, they have a 40MHz on-chip oscillator, POR and LVD functions, data flash memory, timers, A/D, and more. In addition, built-in LIN hardware makes these MCUs an ideal solution for a CAN-LIN gateway.

Specifications for R8C/Tiny 22, 23 MCUs:

Operating Voltage: 2.7V to 5.5V

Max Operating Frequency: 20 MHz

On-chip Oscillator: Low-speed (125 kHz) & High-speed (40 MHz)

Oscillation Stop Detect

Low-voltage Detect and Power-on Reset

8-bit Timers: 3 channels

16-bit Timers: 2 channels

Wathdog Timer: 1 channel

Serial I/O: 2 channels (1 ch. Clock Sync/UART; 1 ch. UART)

A/D (10-bit resolution): 12 channels

I²C / SSU (SPI Compatible): 1 channel

H/W LIN: 1 ch.

CAN (FullCAN Ver. 2.0B): 1 ch.

Ext. Interrupts: 6

GPIO: 44

Temperature Range: -40 to +85°C or -40 to +125°C

Data Flash (R8C/23 only): 1KB x 2 blocks

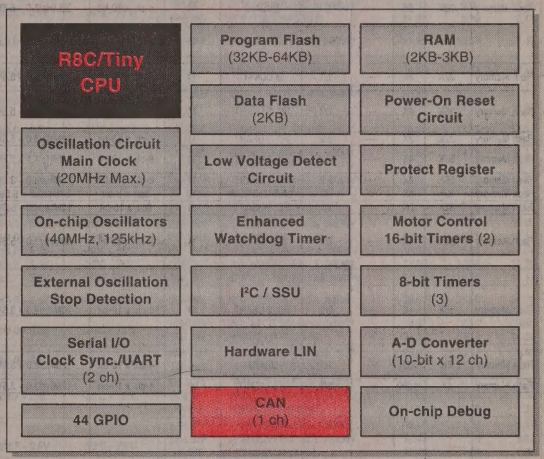
Package: 48-pin LQFP (7x7x1.7mm, 0.5mm pitch)

Part Number	FLASH Program Area	FLASH Data Flash	RAM
R5F21226JFP#U0	32KB	—	2KB
R5F21227JFP#U0	48KB	—	2.5KB
R5F21236JFP#U0	32KB	1KB x 2	2KB
R5F21237JFP#U0	48KB	1KB x 2	2.5KB

CAN MCU Features:

- ✓ **CAN protocol Ver. 2.0A & 2.0B**
  - Support for 11-bit/29-bit message IDs and over 500 million unique IDs
  - Network speed up to 1Mbps
- ✓ **FullCAN (Extended CAN) compliant**
  - 16 transmit/receive configurable message buffers (16 bytes each)
  - 3 hardware acceptance filters
  - Automatic remote frame response
- ✓ **Retransmission abort function**
  - Method for keeping bus open for important messages
- ✓ **Acceptance Filter Support Unit (ASU)**
  - HW high-speed message pre-filtering for increased network rigidity, less CPU overhead
- ✓ **Forced Bus-Off Restore**
  - Quick recovery from Bus-off state to Error-Active state without regular process
- ✓ **Listen-only mode**
  - Capability for preventing a node on bus from transmitting an ACK or error frame
- ✓ **Loop-back and time-stamping features**
- ✓ **Flash programming via CAN BUS**

R8C/23 Block Diagram



Get Started Now!

Order your own CAN Development Kit — It's a complete solution!

america.renesas.com/CAN

Part number **RCDK8C**

CAN Development Kit

This pre-configured kit contains everything you need to learn about CAN technology and evaluate CAN network performance:

- Two Renesas target boards with Renesas R8C microcontrollers, plus an ISO 11898-2 compliant CAN transceiver, LCD, switches, LEDs, and DC power supply
- E8 on-chip debugger emulator with USB cable and target board cable
- ISO 11898-2 specification twisted-pair cables
- Sys-Tec Electronics USB CANmodul1 and CD
- Software CD with HEW4 integrated development environment
- Quick-start guide
- Sample driver code with CAN network demo program

Complete CAN Development Solution

H8 Family

Value Series

Renesas Value Series Microcontrollers are low-cost embedded solutions with a 16-bit high performance CPU with up to 128KB of flash memory and high integration of on-chip peripherals

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
External ROM	ROMless	4K	—	4/3	2 USART, IrDA, Smart Card	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/4.5 ~ 5.5V 25MHz/3.0 ~ 3.6V	-20°C ~ 75°C -20°C ~ 75°C	FP-100B	HD6413008FBL25NF-ND HD6413008FBL25V-ND▲	5.10 5.10	4.08 4.08	3.48 3.48
Flash Memory	128K	4K	—	4/3	2 USART, IrDA, Smart Card	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C -20°C ~ 75°C	100-QFP FP-100B	DF3024FBL25V-ND▲ *NEW!* HD64F3024FBL25-ND	7.98 7.98	6.39 6.39	5.39 5.39
Flash Memory	128K	4K	—	4/3	2 USART, IrDA, Smart Card	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/4.5 ~ 5.5V	-20°C ~ 75°C -20°C ~ 75°C -20°C ~ 75°C	100-QFP FP-100B FP-100B	DF3062BFBL25V-ND▲ *NEW!* HD64F3062BF25-ND HD64F3062BFBL25L-ND	7.98 12.40 7.98	6.39 11.16 6.39	5.39 9.90 5.39

C

H8 Tiny Series

The H8/Tiny series of MCUs provide 16-bit performance and high peripheral integration ideal for many 8-bit applications.

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	16K	2K	—	1/1	2 USART	11	4-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C -20°C ~ 75°C -20°C ~ 75°C -20°C ~ 75°C -40°C ~ 85°C	64-LQFP 64-LQFP FP-64E FP-64E FP-64E	DF36012FPV-ND▲ *NEW!* DF36012GFPJ-ND▲ *NEW!* HD64F36012FP-ND HD64F36012GFP-ND HD64F36012GFPJ-ND	8.38 8.64 8.38 8.64 9.70	6.71 6.92 6.71 6.92 7.76	5.66 5.84 5.66 5.84 6.55
Flash Memory	32K	2K	—	1/1	2 USART	11	4-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C -20°C ~ 75°C -20°C ~ 75°C -20°C ~ 75°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -20°C ~ 75°C	64-LQFP 64-LQFP 48-QFP FP-64E FP-64E FP-64E FP-64E FP-64E	DF36014FPV-ND▲ *NEW!* DF36014GFPV-ND▲ *NEW!* DF36014GFYV-ND▲ *NEW!* HD64F36014FP-ND HD64F36014FPJ-ND HD64F36014FPJE-ND HD64F36014FPW-ND HD64F36014GFP-ND	8.64 8.88 8.88 8.64 9.82 8.86 6.58 8.88	6.92 7.11 7.11 6.92 7.86 7.98 7.73 7.11	5.84 6.00 6.00 5.84 6.63 7.08 6.85 6.00
Flash Memory	32K	2K	—	1/1	3 USART	11	4-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C	FP-64E 48-LQFP	HD64F36024FP-ND DF36024FXV-ND▲ *NEW!*	8.88 8.88	7.11 7.11	6.00 6.00
Flash Memory	96K	4K	—	2/3	I²C, 3 USART	11	8-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C	80-QFP 80-QFP FP-80A	DF36049GHV-ND▲ *NEW!* DF36049HV-ND▲ *NEW!* HD64F36049H-ND	9.73 9.53 9.53	8.76 8.58 8.58	7.77 7.61 7.61
Flash Memory	32K	2K	—	2/2	I²C, 2 USART	11	8-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C	64-QFP	DF36064GHV-ND▲ *NEW!*	6.34	5.08	4.28
Flash Memory	56K	4K	—	2/2	I²C, 2 USART	11	8-ch. x 10-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	64-LQFP 64-QFP	DF36077GFZV-ND▲ *NEW!* DF36077GHV-ND▲ *NEW!*	7.62 7.62	6.10 6.10	5.15 5.15
Flash Memory	56K	4K	—	2/2	I²C, 2 USART	11	8-ch. x 10-bit	18MHz/3.0 ~ 3.6V	-20°C ~ 75°C	64-QFP	DF36087FPV-ND▲ *NEW!*	8.66	7.80	6.92
Flash Memory	32K	1K	—	3/1	USART, 2 SSU	12	8ch. x 8-bit	5MHz/2.5 ~ 5.5V	-20°C ~ 75°C	FP-64A	HD64F3644H-ND	10.16	9.15	8.12
Flash Memory	32K	2K	—	2/1	I²C, 2 USART	11	8ch. x 10-bit	16MHz/4.0 ~ 5.5V	-20°C ~ 75°C	FP-64E	HD64F3664FP-ND	9.50	7.60	6.42
Flash Memory	32K	4K	—	2/2	I²C, USART	11	8-ch. x 10-bit	20MHz/3.0 ~ 5.5V	-20°C ~ 75°C	64-LQFP 64-LQFP FP-64A 64-QFP	HD64F3684FPV-ND▲ *NEW!* HD64F3684GFPV-ND▲ *NEW!* HD64F3684GH-ND HD64F3684HV-ND▲ *NEW!*	9.90 8.46 10.16 9.90	7.92 7.62 8.13 7.92	6.69 6.76 6.88 6.69
Flash Memory	56K	4K	—	2/2	I²C, 2 USART	11	8-ch. x 10-bit	20MHz/3.0 ~ 3.6V	-20°C ~ 75°C	FP-64E 64-LQFP 64-LQFP FP-64A FP-64A 64-QFP	HD64F3687FP-ND HD64F3687FPV-ND▲ *NEW!* HD64F3687GFPV-ND▲ *NEW!* HD64F3687GH-ND HD64F3687H-ND HD64F3687HV-ND▲ *NEW!*	8.66 8.66 8.88 8.88 8.66 8.68	7.80 7.80 8.00 8.00 7.80 7.80	6.92 6.92 7.09 7.09 6.92 6.92
Flash Memory	8K	1.5K	—	1/1	USART	4	4-ch. x 10-bit	12MHz/3.0 ~ 3.5V	-20°C ~ 75°C	32-QFP FP-32A	DF36902GFHV-ND▲ *NEW!* HD64F36902GFH-ND	5.42 5.42	4.34 4.34	3.38 3.38
Flash Memory	8K	1.5K	—	2/1	I²C, USART	4	4-ch. x 10-bit	12MHz/3.0 ~ 3.5V	-20°C ~ 75°C	32-LQFP	DF36912GFHV-ND▲ *NEW!*	5.06	4.05	3.42
Flash Memory	32K	2K	512	2/1	I²C, USART, IrDA	11	8-ch. x 10-bit	20MHz/3.0 ~ 5.0V	-20°C ~ 75°C	FP-64E 64-LQFP 48-LQFP FP-48B 48-LQFP FP-64E 64-LQFP FP-48B 48-QFP 48-LQFP FP-64E 64-QFP	HD64F3694FP-ND HD64F3694FPV-ND▲ *NEW!* HD64F3694FXV-ND▲ *NEW!* HD64F3694FY-ND HD64F3694FYV-ND▲ *NEW!* HD64F3694GFP-ND HD64F3694GFPV-ND▲ *NEW!* HD64F3694GFY-ND HD64F3694GFYV-ND▲ *NEW!* HD64F3694GFXV-ND▲ *NEW!* HD64F3694GH-ND HD64F3694HV-ND▲ *NEW!*	9.38 9.38 9.38 9.38 9.38 9.66 9.66 9.66 9.66 9.66 9.66 9.38	7.51 7.51 7.51 7.51 7.51 7.73 7.73 7.73 7.73 7.73 7.73 7.51	6.34 6.34 6.34 6.34 6.34 6.53 6.53 6.53 6.53 6.53 6.53 6.34

Super Low Power

H8/300L and H8/300H Super Low Power series of MCUs are designed for optimum power consumption and are a great fit in applications where battery life is critical.

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	16K	1K	—	1/1	USART	11	4-ch. x 10-bit	4MHz/2.2 ~ 3.6V	-20°C ~ 75°C	FP-64E	HD64F38004FP4-ND	10.40	8.32	7.02
Flash Memory	16K	1K	—	1/1	USART	11	4-ch. x 10-bit	10MHz/2.7 ~ 3.6V	-20°C ~ 75°C	64-LQFP 64-QFP FP-64E FP-64A	DF38004FP10V-ND▲ *NEW!* DF38004H10V-ND▲ *NEW!* HD64F38004FP10-ND HD64F38004H10-ND	8.66 8.66 10.40 10.40	7.80 7.80 8.32 8.32	6.92 6.92 7.02 7.02
Flash Memory	32K	1K	—	3/1	USART	13	8-ch. x 10-bit	10MHz/2.7 ~ 3.6V	-20°C ~ 75°C	FP-80A FP-80A TFP-80C TFP-80C	HD64F38024H-ND HD64F38024RH-ND HD64F38024RW-ND HD64F38024W-ND	12.46 11.46 11.46 11.41	9.97 9.17 9.17 10.28	8.42 7.74 7.74 9.12
Flash Memory	52K	2K	—	—/3	I²C, 3 USART, IrDA	14	8-ch. x 10-bit	4.2MHz/1.8 ~ 3.6V	-20°C ~ 75°C	80-QFP 85-TFLGA	DF38076RH4V-ND▲ *NEW!* DF38076RLP4V-ND▲ *NEW!*	11.33 12.33	10.20 11.10	9.05 9.85
Flash Memory	52K	2K	—	—/3	I²C, 3 USART, IrDA	14	3-ch. x 10-bit	4.2MHz/1.8 ~ 3.6V	-20°C ~ 75°C	80-QFP 85-TFLGA	DF38086RH4V-ND▲ *NEW!* DF38086RLP4V-ND▲ *NEW!*	12.66 13.66	11.40 12.30	10.11 10.91
Flash Memory	16K	1K	—	1/1	USART	11	4-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-20°C ~ 75°C	64-LQFP 64-QFP	DF38104FPV-ND▲ *NEW!* DF38104HV-ND▲ *NEW!*	8.88 8.88	8.00 8.00	7.09 7.09
Flash Memory	60K	2K	—	3/1	3 USART	13	12-ch. x 10-bit	16MHz/2.7 ~ 5.5V	-20°C ~ 75°C	32-QFN	DF38347HV-ND▲ *NEW!*	11.65	10.49	9.30
Flash Memory	16K	1K	—	1/1	USART, SSU, IrDA, I²C	4	6-ch. x 10-bit	10MHz/2.7 ~ 3.6V 4.2MHz/1.8 ~ 3.6V	-20°C ~ 75°C	32-QFN 32-VQFN	DF38602RFT10V-ND▲ *NEW!* DF38602RFT4V-ND▲ *NEW!*	9.86 6.40	7.89 5.12	6.66 4.32

▲ *RoHS Compliant*

(Continued)

H8 Family (Cont.)

H8/300H Series

H8/300H Series of MCUs provide extensive support of customers system requirements with a high level of peripheral functionality.

ROM Type	ROM (Byte)	RAM (Byte)	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
External ROM	ROMless	512	—/5	2 UART	7	8-ch. x 10-bit	—	17MHz/4.5 ~ 5.5V	-20°C ~ 75°C	FP-100B	HD6413002F16-ND	11.70	10.53	9.34
External ROM	ROMless	512	—/5	2 UART	7	8-ch. x 10-bit	—	16MHz/4.5 ~ 5.5V	-20°C ~ 75°C	QFP-112	HD6413003TF16-ND	16.32	15.24	14.15
ROMless	—	4K	4/—	1 Smart Card, 1SSU	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/4.5 ~ 5.5V 25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-QFP 100-QFP	D13008F25V-ND▲ **NEW!** D13008VF25V-ND▲ **NEW!**	9.50 8.33	7.60 7.50	6.42 6.65
Flash Memory	256K	8K	4/3	2 UART	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-TQFP	DF3026XBL25V-ND▲ **NEW!**	14.53	13.65	12.68
Flash Memory	512K	16K	4/3	3 UART	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-QFP	DF3029F25V-ND▲ **NEW!**	16.58	15.47	14.37
Flash Memory	128K	4K	—/5	2 UART	7	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-QFP TFP-100B	DF3048VF25V-ND▲ **NEW!** HD64F3048VTF8-ND	13.78 36.96	12.38 34.50	10.98 32.04
Flash Memory	512K	16K	4/3	Smart Card	7	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	100-QFP	DF3069RF25V-ND▲ **NEW!**	16.58	15.47	14.37

H8S Family

The H8S Family meets the growing demands for system designs requiring the performance of 16-bit microcontrollers with sophisticated peripherals integrated on-chip. The H8S is the leader in memory size capacity with up to 512K on-chip flash. It includes performance speeds as high as 33MHz, extremely low power consumption, and offers a wide selection of peripherals for optimizing system cost, development time, performance, and features.

ROM Type	ROM (Byte)	RAM (Byte)	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
ROMless	—	8K	2/6	Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	TFP-100B 100-TQFP	HD6412312SVTEBL25-ND D12312SVTE25V-ND▲ **NEW!**	6.30 8.60	5.04 7.74	4.26 6.97
ROMless	—	8K	2/6	Smart Card, 3 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	128-QFP FP-128B FP-128B	D12322RVF25V-ND▲ **NEW!** HD6412322RVF25-ND HD6412322RVFBL25-ND	8.82 8.82 7.58	7.92 7.92 6.07	7.03 7.03 5.12
ROMless	—	32K	2/6	Smart Card, 3 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	128-QFP FP-128B	D12324SVF25V-ND▲ **NEW!** HD6412324SVF25-ND	11.00 11.00	9.90 9.90	8.78 8.78
ROMless	—	8K	2/6	Smart Card, 3 USART	9	12-ch. x 10-bit	4-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-QFP	D12332VFC25V-ND▲ **NEW!**	11.85	10.67	9.46
ROMless	—	4K	2/6	Smart Card, 3 USART, IrDA	9	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	128-QFP	D12390F20V-ND▲ **NEW!**	9.60	7.68	6.48
ROMless	—	32K	2/6	Smart Card, 3 USART, IrDA	17	12-ch. x 10-bit	4-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-LQFP FP-144H	D12674RVFQ33V-ND▲ **NEW!** HD6412674RVFQ33-ND	13.33 13.33	12.00 12.00	10.64 10.64
Flash Memory	128K	4K	4/1	IrDA, 3 USART, 2 I²C	16	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.0 ~ 5.5V	-20°C ~ 75°C	FP-100B	HD64F2134AFA20-ND	15.24	13.73	12.17
Flash Memory	256K	8K	4/1	3, USART, 2 I²C, IrDA	9	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V 20MHz/4.5 ~ 5.5V 10MHz/2.7 ~ 3.6V 10MHz/2.7 ~ 3.6V 10MHz/2.7 ~ 3.6V	-20°C ~ 75°C	100-TQFP TFP-100B 100-TQFP FP-100B TFP-100B	DF2145BTE20V-ND▲ **NEW!** HD64F2145BTE20-ND DF2145BVTE10V-ND▲ **NEW!** HD64F2145BVFA10-ND HD64F2145BVTE10-ND	15.84 15.84 15.84 15.30 15.84	14.79 14.79 14.79 14.28 14.79	13.73 13.73 13.73 13.26 13.73
Flash Memory	128K	4K	4/1	2 I²C, 3 USART, IrDA	9	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.0 ~ 5.5V 20MHz/4.0 ~ 5.5V 20MHz/4.0 ~ 5.5V 20MHz/4.0 ~ 5.5V 10MHz/2.7 ~ 3.6V	-20°C ~ 75°C -20°C ~ 75°C -40°C ~ 85°C -20°C ~ 75°C -20°C ~ 75°C	100-TQFP TFP-100B 100-TQFP 100-QFP 100-QFP	DF2148ATE20V-ND▲ **NEW!** HD64F2148BTE20-ND DF2148BFA20IV-ND▲ **NEW!** DF2148BFA20V-ND▲ **NEW!** DF2148BVFA10V-ND▲ **NEW!**	18.45 14.04 16.92 13.50 15.03	17.22 13.11 15.80 12.60 13.50	15.99 12.17 14.67 11.70 11.97
Flash Memory	512K	40K	4/1	6 I²C, 3 USART, IrDA, Smart Card	41	8-ch. x 10-bit	2-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-TQFP	DF2166VTE33V-ND▲ **NEW!**	30.00	28.00	26.00
Flash Memory	384K	40K	4/1	6 I²C, 3 USART, IrDA, Smart Card	41	8-ch. x 10-bit	2-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-TQFP TFP-144	DF2167VTE33V-ND▲ **NEW!** HD64F2167VTE33-ND	28.01 28.01	26.14 26.14	24.28 24.28
Flash Memory	256K	40K	4/1	6 I²C, 3 USART, IrDA, Smart Card	41	8-ch. x 10-bit	2-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-TQFP TFP-144	DF2168VTE33V-ND▲ **NEW!** HD64F2168VTE33-ND	25.01 25.01	23.34 23.34	21.68 21.68
Flash Memory	64K	8K	—/3	2 USART, USB, Smart Card	7	6-ch. x 10-bit	—	24MHz/2.7 ~ 3.6V	-20°C ~ 75°C	64-LQFP 64-LQFP FP-64E	DF2211FP24V-ND▲ **NEW!** DF2211UFP24V-ND▲ **NEW!** HD64F2211UFP24-ND	11.65 11.65 11.65	10.49 10.49 10.49	9.30 9.30 9.30
Flash Memory	128K	12K	—/3	2 USART, USB, Smart Card	7	6-ch. x 10-bit	—	24MHz/2.7 ~ 3.6V	-20°C ~ 75°C	64-LQFP 64-LQFP FP-64E FP-64E	DF2212FP24V-ND▲ **NEW!** DF2212UFP24V-ND▲ **NEW!** HD64F2212FP24-ND HD64F2212UFP24-ND	12.48 12.48 12.48 12.48	11.24 11.24 11.24 11.24	9.97 9.97 9.97 9.97
Flash Memory	256K	16K	2/3	3 USART, USB FS, Smart Card	8	6-ch. x 10-bit	2-ch. x 8-bit	16MHz/2.7 ~ 3.6V	-20°C ~ 75°C	120-TQFP 120-TQFP TFP-120 TFP-120	DF2215TE16V-ND▲ **NEW!** DF2215UTE16V-ND▲ **NEW!** HD64F2215TE16-ND HD64F2215UTE16-ND	19.01 19.01 21.11 21.11	17.74 17.74 19.01 19.01	16.48 16.48 16.86 16.86
Flash Memory	128K	12K	—/3	2 USART, USB FS, Smart Card	7	6-ch. x 10-bit	—	24MHz/2.7 ~ 3.6V	-20°C ~ 75°C	100-TQFP 100-TQFP TFP-100G TFP-100G	DF2218TF24V-ND▲ **NEW!** DF2218UTF24V-ND▲ **NEW!** HD64F2218TF24-ND HD64F2218UTF24-ND	14.40 14.40 15.99 15.99	13.44 13.44 14.40 14.40	12.48 12.48 12.77 12.77
Flash Memory	256K	16K	4/6	2 I²C, 4 USART, Smart Card	9	8-ch. x 10-bit	2-ch. x 8-bit	13.5MHz/2.7 ~ 3.6V 6.25MHz/2.2 ~ 3.6V 13.5MHz/2.7 ~ 3.6V 13.5MHz/2.7 ~ 3.6V 13.5MHz/2.7 ~ 3.6V 6.25MHz/2.2 ~ 3.6V	-20°C ~ 75°C	112-BGA 100-QFP 100-QFP 100-TQFP 100-TQFP FP-100B	DF2238RBR13V-ND▲ **NEW!** DF2238RFA6V-ND▲ **NEW!** DF2238RFA13V-ND▲ **NEW!** DF2238RTE13V-ND▲ **NEW!** DF2238RTF13V-ND▲ **NEW!** HD64F2238RFA6-ND	17.10 15.30 15.30 15.84 15.84 15.30	15.96 14.28 14.28 14.79 14.79 14.28	14.82 13.26 13.26 13.73 13.73 13.26
Flash Memory	384K	32K	4/6	2 (I²C), 4 USART, Smart Card	9	8-ch. x 10-bit	2-ch. x 8-bit	16MHz/2.7 ~ 3.6V 20MHz/3.0 ~ 3.6V 16MHz/2.7 ~ 3.6V 20MHz/3.0 ~ 3.6V 16MHz/2.7 ~ 3.6V 20MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-QFP 100-QFP FP-100B FP-100B 100-QFP 100-QFP	DF2239FA16V-ND▲ **NEW!** DF2239FA20V-ND▲ **NEW!** HD64F2239FA16-ND HD64F2239FA20-ND DF2239TE16V-ND▲ **NEW!** DF2239TE20V-ND▲ **NEW!**	18.00 18.00 18.00 18.00 18.54 18.54	16.80 16.80 16.80 16.80 17.31 17.31	15.60 15.60 15.60 15.60 16.07 16.07
Flash Memory	384K	8K	2/6	2 Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-TQFP	DF2315VTE25V-ND▲ **NEW!**	18.54	17.31	16.07
Flash Memory	128K	8K	2/6	Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-TQFP 100-TQFP TFP-100B	DF2317VTE25V-ND▲ **NEW!** DF2317VTEBL25V-ND▲ **NEW!** HD64F2317VTEBL25-ND	14.48 9.98 9.98	13.51 7.99 7.99	12.55 6.74 6.74
Flash Memory	256K	8K	2/6	Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	TFP-100B 100-TQFP	HD64F2318VTE25-ND DF2318VTE25V-ND▲ **NEW!**	15.84 15.84	14.79 14.79	13.73 13.73
Flash Memory	512K	16K	2/6	Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-TQFP	DF2319CVTE25V-ND▲ **NEW!**	20.34	18.99	17.63

▲ RoHS Compliant

(Continued)

H8S Family (Cont.)

ROM Type	ROM (Byte)	RAM (Byte)	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	512K	8K	2/6	Smart Card, 2 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	100-QFP	DF2319VF25V-ND▲ *NEW!*	24.00	22.40	20.80
										100-TQFP	DF2319VTE25V-ND▲ *NEW!*	26.48	24.71	22.95
										FP-100A	HD64F2319VF25-ND	24.00	22.40	20.80
										TFP-100B	HD64F2319VTE25-ND	26.48	24.71	22.95
										100-QFP	DF2319VF25V-ND▲ *NEW!*	20.76	19.38	18.00
										100-TQFP	DF2319VTE25V-ND▲ *NEW!*	23.04	21.51	19.97
										FP-100A	HD64F2319VF25-ND	20.76	19.38	18.00
										TFP-100B	HD64F2319VTE25-ND	23.04	21.51	19.97
Flash Memory	256K	8K	2/6	Smart Card, 3 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	128-QFP	DF2328BVF25V-ND▲ *NEW!*	16.20	15.12	14.04
										120-TQFP	DF2328BVTE25V-ND▲ *NEW!*	16.74	15.63	14.51
										128-QFP	DF2328VF25V-ND▲ *NEW!*	16.38	15.29	14.20
										120-TQFP	DF2328VTE25V-ND▲ *NEW!*	18.11	16.90	15.70
										FP-128B	HD64F2328VF25-ND	16.38	15.29	14.20
										TFP-120	HD64F2328VTE25-ND	18.11	16.90	15.70
Flash Memory	384K	32K	2/6	Smart Card, 3 USART	9	8-ch. x 10-bit	2-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	128-QFP	DF2329BVF25V-ND▲ *NEW!*	18.90	17.64	16.38
									-20°C ~ 75°C	120-TQFP	DF2329BVTE25V-ND▲ *NEW!*	19.44	18.15	16.85
									-20°C ~ 75°C	FP-128B	HD64F2329BVF25-ND	18.90	17.64	16.38
									-20°C ~ 75°C	TFP-120	HD64F2329BVTE25-ND	19.44	18.15	16.85
									-20°C ~ 75°C	128-QFP	DF2329VF25V-ND▲ *NEW!*	27.24	25.43	23.61
									-20°C ~ 75°C	120TQFP	DF2329EVTE25V-ND▲ *NEW!*	29.72	27.74	25.76
									-20°C ~ 75°C	TFP-120	HD64F2329EVTE25-ND	29.72	27.74	25.76
									-20°C ~ 75°C	FP-128B	HD64F2329VF25-ND	27.24	25.43	23.61
									-40°C ~ 85°C	128-QFP	DF2329VF25IV-ND▲ *NEW!*	29.72	27.74	25.76
Flash Memory	128K	8K	2/6	Smart Card, 3 USART, IrDA	9	8-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	128-QFP	DF2357F20V-ND▲ *NEW!*	23.04	21.51	19.97
Flash Memory	384K	24K	2/6	Smart Card, IrDA 2 I²C, 5 USART	17	16-ch. x 10-bit	6-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-LQFP	DF2377RVFQ33V-ND▲ *NEW!*	17.90	16.71	15.51
									-40°C ~ 85°C	144-LQFP	DF2377RVFQ33WV-ND▲ *NEW!*	18.80	17.55	16.29
									-20°C ~ 75°C	FP-144H	HD64F2377RVFQ33-ND	17.90	16.71	15.51
									-40°C ~ 85°C	FP-144H	HD64F2377RVFQ33W-ND	18.80	17.55	16.29
Flash Memory	512K	32K	2/6	Smart Card, IrDA, 5 USART, 2 I²C	17	16-ch x 10-bit	6-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-LQFP	DF2378RVFQ34V-ND▲ *NEW!*	16.20	15.12	14.04
Flash Memory	256K	8K	2/6	Smart Card, 3 USART, IrDA	9	8-ch. x 10-bit	2-ch x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	120-TQFP	DF2398TE20V-ND▲ *NEW!*	16.74	15.63	14.51
Flash Memory	128K	4K	—/6	Smart Card, IrDA 3 USART, CAN	7	12-ch. x 10-bit	—	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	80-QFP	DF2612FA20V-ND▲ *NEW!*	16.01	14.94	13.88
Flash Memory	256K	12K	—/6	Smart Card, 3 USART, CAN	7	16-ch. x 10-bit	—	20MHz/4.5 ~ 5.5V	-40°C ~ 85°C	100-QFP	DF2623FA20JV-ND▲ *NEW!*	28.97	27.04	25.11
									-40°C ~ 85°C	100-QFP	DF2623FA20V-ND▲ *NEW!*	24.00	22.40	20.80
									-20°C ~ 75°C	FP-100B	HD64F2623FA20-ND	24.00	22.40	20.80
Flash Memory	256K	16K	4/6	Smart Card, IrDA 2 I²C, 5 USART	9	16-ch. x 10-bit	4-ch. x 8-bit	25MHz/3.0 ~ 3.6V	-20°C ~ 75°C	128-QFP	DF2633PF25V-ND▲ *NEW!*	21.90	20.44	18.98
										120-TQFP	DF2633RTE28V-ND▲ *NEW!*	19.61	18.30	17.00
										TFP-120	HD64F2633RTE28-ND	19.61	18.30	17.00
										TFP-120	HD64F2633TE25-ND	24.00	22.40	20.80
Flash Memory	128K	4K	—/6	Smart Card, IrDA 3 USART, 2 CAN	7	12-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	128-QFP	DF2636F20V-ND▲ *NEW!*	22.28	20.79	19.31
										128-QFP	DF2638F20V-ND▲ *NEW!*	25.14	23.47	21.79
										FP-128B	HD64F2638F20J-ND	30.66	28.62	26.58
Flash Memory	256K	16K	—/6	Smart Card, 2 CAN, IrDA, 3 USART	7	12-ch. x 10-bit	2-ch. x 8-bit	20MHz/4.5 ~ 5.5V	-20°C ~ 75°C	128-QFP	DF2638WF20V-ND▲ *NEW!*	27.42	25.60	23.77
										FP-128B	HD64F2638WF20J-ND	33.29	31.07	28.85
Flash Memory	256K	8K	2/6	Smart Card, 3 USART, IrDA	17	12-ch. x 10-bit	4-ch. x 8-bit	33MHz/3.0 ~ 3.6V	-20°C ~ 75°C	144-QFP	DF2676VFC33V-ND▲ *NEW!*	20.00	18.67	17.33
										FP-144G	HD64F2676VFC33-ND	20.00	18.67	17.33

NEW! H8SX Series

ROM Type	ROM (Byte)	RAM (Byte)	Timers 8/16 bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature (°C)	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	384K	40K	8/6	6 USART, IrDA, USB FS, Smart Card, 2 I²C	13	8-ch. x 10-bit	2-ch. x 8-bit	50MHz/3.0 ~ 3.6V	-20°C ~ 75°C	120-TQFP	R5F61653N50FTV-ND▲	17.15	16.01	14.86

M16C Family

The M16C family offers the industry's broadest multi-purpose microcontroller platform, with seamless code and pin compatibility – all the way from 8-bit to 32-bit functionality. A robust platform of 16/32-bit CISC microcontrollers with speeds form 16 MHz to 64 MHz, up-to 512K on-chip flash memory, high ROM code efficiency, extensive EMI /EMS noise immunity, and very low power consumption. It also features a broad choice of standard on-chip peripheral options and the highest pin-to-pin compatibility (up to 144 pins) in the industry.

M16C Platform Series

Memory Type	ROM (Byte)	RAM (Byte)	Data Flash Bytes	Timers 8/16-bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	384K	31K	—	—/11	3 I²C, 5 USART, CAN	9	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/3.0 ~ 5.5V	-40°C ~ 85°C	100-LQFP	M306NLFHGP#U3-ND▲ *NEW!*	21.00	19.60	18.20
Flash Memory	384K	31K	—	—/11	3 I²C, 7 USART, CAN	12	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/3.0 ~ 5.5V	-40°C ~ 85°C	128-LQFP	M306NNFHGP#U3-ND▲ *NEW!*	22.01	20.54	19.08
Flash Memory	128K	10K	—	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-20°C ~ 85°C	100-QFP	M30620FCPFP#U5C-ND▲ *NEW!*	14.10	13.16	12.22
			4K							-40°C ~ 85°C	100-QFP	M30620FCPFP#U7C-ND▲ *NEW!*	15.00	14.00	13.00
			—							-40°C ~ 85°C	100P6Q-A	M30620FCPGP#D3C-ND	15.74	14.18	12.57
			4K							-40°C ~ 85°C	100-LQFP	M30620FCPGP#U3C-ND▲ *NEW!*	14.18	13.23	12.29
			—							-20°C ~ 85°C	100P6Q-A	M30620FCPGP#D5C-ND	14.99	13.50	11.97
			—							-20°C ~ 85°C	100-LQFP	M30620FCPGP#U5C-ND▲ *NEW!*	13.50	12.60	11.70
			4K							-40°C ~ 85°C	100-LQFP	M30620FCPGP#U7C-ND▲ *NEW!*	14.39	13.43	12.47
			4K							-20°C ~ 85°C	100-LQFP	M30620FCPGP#U9C-ND▲ *NEW!*	13.70	12.79	11.87
Flash Memory	128K	10K	—	—/11	3 I²C, 5 USART	5	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C	80-LQFP	M30621FCPGP#U3C-ND▲ *NEW!*	14.18	13.23	12.29
										-20°C ~ 85°C	80-LQFP	M30621FCPGP#U5C-ND▲ *NEW!*	13.50	12.60	11.70
Flash Memory	64K	4K	—	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C	100-QFP	M30622F8PFP#U3C-ND▲ *NEW!*	13.76	12.84	11.93
			—							-20°C ~ 85°C	100-QFP	M30622F8PFP#U5C-ND▲ *NEW!*	14.54	13.10	11.62
			4K							-20°C ~ 85°C	100-QFP	M30622F8PFP#U9C-ND▲ *NEW!*	14.78	13.31	11.80
Flash Memory	64K	4K	—	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C	100-LQFP	M30622F8PGP#U3C-ND▲ *NEW!*	14.58	13.13	11.64
			—							-20°C ~ 85°C	100P6Q-A	M30622F8PGP#D5C-ND	13.88	12.50	11.08
			—							-20°C ~ 85°C	100-LQFP	M30622F8PGP#U5C-ND▲ *NEW!*	13.88	12.50	11.08
			4K							-40°C ~ 85°C	100-LQFP	M30622F8PGP#U7C-ND▲ *NEW!*	14.79	13.32	11.82

(Continued)

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16C Family (Cont.)

16C Platform Series (Cont.)

Memory Type	ROM (Byte)	RAM (Byte)	Data Flash Bytes	Timers 8/16-bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
ROMless	—	3K	—	—/11	1 I²C, 5 USART	8	10-ch. x 10-bit	2-ch. x 8-bit	16MHz/2.7 ~ 5.5V	-20°C ~ 85°C	100-QFP	M30622SAFP#U5-ND▲ *NEW!*	9.86	7.89	6.66
Flash Memory	64K	4K	—	—/11	3 I²C, 5 USART	5	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-20°C ~ 85°C	80-QFP	M30623F8PGP#U5C-ND▲ *NEW!*	13.88	12.50	11.08
Flash Memory	256K	20K	—	—/11	1 I²C, 5 USART	8	10-ch. x 10-bit	2-ch. x 8-bit	16MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C	100P6S-A	M30624FGAFP#D3-ND M30624FGAFP#D5-ND	37.68 35.87	35.17 33.48	32.66 31.09
Flash Memory	256K	20K	—	—/11	1 I²C, 1 IEBus, 1 Smart Card	8	10-ch. x 10-bit	2-ch. x 8-bit	16MHz/4.2 ~ 5.5V	-40°C ~ 85°C	100P6S-A	M30624FGMFP#D3-ND	37.68	35.17	32.66
Flash Memory	256K	20K	— — — — 4K 4K	—/11	3 I²C, 5 USART,	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100-QFP 100P6S-A 100-QFP 100-QFP 100-QFP	M30624FGPFP#U3C-ND▲ *NEW!* M30624FGPFP#D5C-ND M30624FGPFP#U5C-ND▲ *NEW!* M30624FGPFP#U7C-ND▲ *NEW!* M30624FGPFP#U9C-ND▲ *NEW!*	16.38 17.33 15.60 16.58 15.80	15.29 15.60 14.56 15.47 14.75	14.20 13.84 13.52 14.37 13.69
Flash Memory	256K	20K	— — — — 4K 4K	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100-LQFP 100P6Q-A 100-LQFP 100-LQFP 100-LQFP	M30624FGPGP#U3C-ND▲ *NEW!* M30624FGPGP#D5C-ND M30624FGPGP#U5C-ND▲ *NEW!* M30624FGPGP#U7C-ND▲ *NEW!* M30624FGPGP#U9C-ND▲ *NEW!*	15.74 16.66 15.00 15.95 15.20	14.69 15.00 14.00 14.89 14.19	13.64 13.30 13.00 13.82 13.17
Flash Memory	256K	20K	— — — — 4K	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C	128-LQFP 100P6Q-A 128-LQFP 128-LQFP	M30625FGPGP#U3C-ND▲ *NEW!* M30625FGPGP#D5C-ND M30625FGPGP#U5C-ND▲ *NEW!* M30625FGPGP#U7C-ND▲ *NEW!*	16.80 17.78 16.01 17.00	15.68 16.01 14.94 15.87	14.56 14.20 13.88 14.73
Flash Memory	384K	31K	— — — — — — — — 4K 4K	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100P6S-A 100-QFP 100P6S-A 100-QFP 100-QFP 100-QFP 100P6Q-A 100-LQFP 100P6Q-A 100-LQFP	M30626FHPFP#D3C-ND M30626FHPFP#U3C-ND▲ *NEW!* M30626FHPFP#D5C-ND M30626FHPFP#U5C-ND▲ *NEW!* M30626FHPFP#U7C-ND▲ *NEW!* M30626FHPFP#U9C-ND▲ *NEW!* M30626FHPGP#D3C-ND M30626FHPGP#U3C-ND▲ *NEW!* M30626FHPGP#D5C-ND M30626FHPGP#U5C-ND▲ *NEW!*	18.48 18.48 17.60 17.60 18.68 17.81 17.84 17.84 17.00 17.00	17.25 17.25 16.43 16.43 17.43 16.62 16.65 16.65 15.87 15.87	16.02 16.02 15.25 15.25 16.19 15.44 15.46 15.46 14.73 14.73
										-40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100-LQFP 100P6Q-A 100-LQFP 100-LQFP	M30626FHPGP#U7C-ND▲ *NEW!* M30626FHPGP#U9C-ND▲ *NEW!*	18.05 17.21	16.85 16.06	15.64 14.92
Flash Memory	512K	31K	—	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100-QFP 100-LQFP 100-LQFP	M30626JPFP#U5C-ND▲ *NEW!* M30626JPGP#U3C-ND▲ *NEW!* M30626JPGP#U5C-ND▲ *NEW!*	19.61 19.97 19.01	18.30 18.64 17.74	17.00 17.31 16.48
Flash Memory	384K	31K	— — — — 4K 4K	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	128-LQFP 128LQFP 128-LQFP 128-LQFP 128-LQFP	M30627FHPGP#U3C-ND▲ *NEW!* M30627FHPGP#D5C-ND M30627FHPGP#U5C-ND▲ *NEW!* M30627FHPGP#U7C-ND▲ *NEW!* M30627FHPGP#U9C-ND▲ *NEW!*	18.90 18.00 18.00 19.10 18.20	17.64 16.80 16.80 17.83 16.99	16.38 15.60 15.60 16.55 15.77
Flash Memory	512K	31K	—	—/11	3 I²C, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	24MHz/2.7 ~ 5.5V	-20°C ~ 85°C	128-LQFP	M30627FJPGP#U5C-ND▲ *NEW!*	20.00	18.67	17.33

16C Tiny Series

Memory Type	ROM (Byte)	RAM (Byte)	Data Flash Bytes	Timers 8/16-bit	Serial Communication	External Interrupts	A/D Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	24K	1K	—	—/8	I²C, 3 USART	8	12-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-20°C ~ 85°C	48P6Q-A 48-LQFP	M30260F3AGP#D5-ND M30260F3AGP#U5-ND▲ *NEW!*	8.88 8.88	7.11 7.11	6.00 6.00
Flash Memory	48K	2K	— — 4K	—/8	I²C, 3 USART,	8	12-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C	48-LQFP 48P6Q-A 48-LQFP	M30260F6AGP#U3-ND▲ *NEW!* M30260F6AGP#D5-ND M30260F6AGP#U7-ND▲ *NEW!*	8.46 9.66 8.65	7.62 7.73 7.77	6.76 6.53 6.89
Flash Memory	64K	2K	— — — 4K 4K	—/8	I²C, 3 USART	8	12-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	48-LQFP 48P6Q-A 48-LQFP 48-LQFP 48-LQFP	M30260F8AGP#U3-ND▲ *NEW!* M30260F8AGP#D5-ND M30260F8AGP#U5-ND▲ *NEW!* M30260F8AGP#U7-ND▲ *NEW!* M30260F8AGP#U9-ND▲ *NEW!*	8.88 10.16 8.46 9.11 8.68	8.00 8.13 7.62 8.21 7.82	7.09 6.86 6.76 7.28 6.93
Flash Memory	32K	1K	4K	—/8	I²C, 3 USART	7	8-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C	48P6Q-A	M30262F4GP#D3-ND	9.66	7.73	6.53
Flash Memory	48K	2K	—	—/8	I²C, 3 USART	7	8-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C	48P6Q-A	M30262F6GP#D3-ND M30262F6GP#D5-ND	10.16 9.66	8.13 7.73	6.86 6.53
Flash Memory	64K	2K	—	—/8	I²C, 3 USART	7	8-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C	48P6Q-A	M30262F8GP#D3-ND	8.88	8.00	7.09
Flash Memory	48K	4K	— — — 4K 4K	—/9	5 USART, 2 I²C	8	24-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	80P6Q-A 80-LQFP 80-LQFP 80-LQFP 80-LQFP	M30280F6HP#D5-ND M30280F6HP#U3B-ND▲ *NEW!* M30280F6HP#U5-ND▲ *NEW!* M30280F6HP#U7-ND▲ *NEW!* M30280F6HP#U9-ND▲ *NEW!*	11.44 9.95 9.53 10.16 9.75	9.16 8.96 8.58 9.17 8.78	7.73 7.95 7.61 8.13 7.79
Flash Memory	64K	4K	— — — 4K 4K	—/9	5 USART, 2 I²C	8	24-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	80-LQFP 80P6Q-A 80-LQFP 80-LQFP 80-LQFP	M30280F8HP#U3-ND▲ *NEW!* M30280F8HP#D5-ND M30280F8HP#U5-ND▲ *NEW!* M30280F8HP#U7-ND▲ *NEW!* M30280F8HP#U9B-ND▲ *NEW!*	10.38 11.94 9.95 10.60 10.18	9.35 9.56 8.96 9.54 9.17	8.29 8.06 7.95 8.46 8.13
Flash Memory	96K	8K	— 4K	—/9	5 USART, 2 I²C	8	24-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	80P6Q-A 80-LQFP 85-TFLGA	M30280FAHP#D5-ND M30280FAHP#U7-ND▲ *NEW!* M30280FAWG#U5-ND▲ *NEW!*	12.96 11.45 11.51	10.37 10.31 10.37	8.75 9.14 9.20
Flash Memory	48K	4K	— — — 4K 4K	—/9	4 USART, 2 I²C	8	13-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	64-LQFP 64P6Q-A 64-LQFP 64-LQFP 64-LQFP	M30281F6HP#U3-ND▲ *NEW!* M30281F6HP#D5-ND M30281F6HP#U5-ND▲ *NEW!* M30281F6HP#U7-ND▲ *NEW!* M30281F6HP#U9-ND▲ *NEW!*	9.53 10.94 9.11 9.75 9.33	8.58 8.76 8.21 8.78 8.40	7.61 7.39 7.28 7.79 7.45
Flash Memory	64K	4K	—	—/9	4 USART, 2 I²C	8	13-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C	64-LQFP 64P6Q-A 64-LQFP	M30281F8HP#U3-ND▲ *NEW!* M30281F8HP#D5-ND M30281F8HP#U5-ND▲ *NEW!*	9.95 11.44 9.53	8.96 9.16 8.58	7.95 7.73 7.61
Flash Memory	96K	8K	—	—/9	4 USART, 2 I²C	8	13-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C	64-LQFP	M30281FAHP#U3-ND▲ *NEW!*	10.80	9.72	8.62
Flash Memory	96K	8K	4K	—/9	2 I²C, CAN, 5 USART	8	27-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C	80-LQFP 80-LQFP	M30290FAHP#U7A-ND▲ *NEW!* M30290FAHP#U9A-ND▲ *NEW!*	13.13 12.48	11.82 11.24	10.49 9.97

RoHS Compliant

(Continued)

M16C Family (Cont.)

M16C Tiny Series (Cont.)

Memory Type	ROM (Byte)	RAM (Byte)	Data Flash Bytes	Timers 8/16-bit	Serial Communication	External Interrupts	A/D Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	96K	8K	— 4K 4K	—/9	2 I²C, CAN, 4 USART	8	16-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	64-LQFP 64-LQFP 64-LQFP 64-LQFP	M30291FAHP#U3A-ND▲ ***NEW!*** M30291FAHP#U5A-ND▲ ***NEW!*** M30291FAHP#U7A-ND▲ ***NEW!*** M30291FAHP#U9-ND▲ ***NEW!***	12.48 11.85 12.71 12.06	11.24 10.67 11.45 10.86	9.97 9.46 10.15 9.63
Flash Memory	128K	12K	—	—/9	2 I²C, 4 USART, CAN	8	16-ch. x 10-bit	20MHz/2.7 ~ 5.5V	-20°C ~ 85°C	64-LQFP	M30291FCHP#U5A-ND▲ ***NEW!***	12.91	11.63	10.31

M32C Series

Memory Type	ROM (Byte)	RAM (Byte)	Timers 8/16-bit	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Romeless	—	10K	—/11	5 USART, 5 I²C, CAN	8	34-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C	44-LQFP	M30842SGP#U5-ND▲ ***NEW!***	10.88	9.80	8.69
Flash Memory	384K	24K	—/11	5 I²C, 5 USART, CAN	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C	100P6Q-A 100-LQFP	M30843FHGP#D5-ND M30843FHGP#U5-ND▲ ***NEW!***	22.01 22.01	20.54 20.54	19.08 19.08
Flash Memory	512K	24K	—/11	5 I²C, 5 USART, CAN	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C	100-LQFP 100-LQFP 100P6Q-A 100P6Q-A 100-LQFP	M30843FJFP#U3-ND▲ ***NEW!*** M30843FJGP#U3-ND▲ ***NEW!*** M30843FJFP#D5-ND M30843FJGP#D5-ND M30843FJGP#U5-ND▲ ***NEW!***	27.06 26.40 24.60 24.00 24.00	25.26 24.64 22.96 22.40 22.40	23.46 22.88 21.32 20.80 20.80
Flash Memory	320K	24K	—/11	5 I²C, 5 USART, CAN	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C	100-LQFP 100-LQFP	M30843FWGP#U3-ND▲ ***NEW!*** M30843FWGP#U5-ND▲ ***NEW!***	23.10 21.00	21.56 19.60	20.02 18.20
Flash Memory	512K	24K	—/11	5 I²C, 5 USART, CAN	8	34-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C	144-LQFP 144-LQFP	M30845FJGP#U3-ND▲ ***NEW!*** M30845FJGP#U5-ND▲ ***NEW!***	29.70 27.00	27.72 25.20	25.74 23.40
Flash Memory	384K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C -40°C ~ 85°C -20°C ~ 85°C	100P6S-A 100-QFP 100-QFP 100-LQFP 100-LQFP	M30853FHFP#D5-ND M30853FHFP#U3-ND▲ ***NEW!*** M30853FHFP#U5-ND▲ ***NEW!*** M30853FHGP#U3-ND▲ ***NEW!*** M30853FHGP#U5-ND▲ ***NEW!***	23.60 25.97 23.60 25.31 23.00	22.03 24.24 22.03 23.62 21.47	20.45 22.51 20.45 21.94 19.93
Flash Memory	512K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-40°C ~ 85°C	100P6Q-A 100-QFP	M30853FJGP#D5-ND M30853FJFP#U5-ND▲ ***NEW!***	25.01 25.61	23.34 23.90	21.68 22.20
Flash Memory	320K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	26-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C -40°C ~ 85°C	100P6S-A 100-LQFP	M30853FWGP#D5-ND M30853FWGP#U3-ND▲ ***NEW!***	31.34 32.90	29.25 30.71	27.16 28.51
Flash Memory	384K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	34-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C	144P6Q-A 144-LQFP	M30855FHGP#D5-ND M30855FHGP#U5-ND▲ ***NEW!***	26.00 26.00	24.27 24.27	22.53 22.53
Flash Memory	512K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	34-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-40°C ~ 85°C -20°C ~ 85°C	144-LQFP 144-LQFP	M30855FJGP#U3-ND▲ ***NEW!*** M30855FJGP#U5-ND▲ ***NEW!***	30.80 28.01	28.75 26.14	26.69 24.28
Flash Memory	512K	24K	—/11	5 I²C, 2 CAN, 5 USART	8	34-ch. x 10-bit	2-ch. x 8-bit	32MHz/3.0 ~ 5.5V	-20°C ~ 85°C	100P6Q-A	M30855FJGP#D5-ND	29.00	27.07	25.13

R8C Tiny Series

The R8C 16-bit microcontrollers are small in size, yet big in performance and value. They excel for 8-bit embedded system applications that need low-cost devices and deliver high performance, yet save space with small low-pin count packages. These microcontrollers for general purpose applications deliver up to 20MHz speed, up to 16K of on-chip flash memory, offer versatile peripherals, and are packaged in compact LQFPs with 32 pin or less. Based on the MC16 family of 16-bit microcontrollers, the R8C Tiny inherits the same features of high performance, ROM code efficiency, low power consumption, and low noise, while its instruction compatibility allows the use of existing M16C family software resources.

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Operating Frequency/ Supply Voltage	External Interrupts	Timers 8/16 bit	Serial Interface	A/D Converter	Operating Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	4K	375	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP	R5F211A1DD#U0-ND▲	3.89	3.12	2.43
Flash Memory	4K	375	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-LSSOP	R5F211A1SP#U0-ND▲	3.31	2.65	2.06
Flash Memory	4K	375	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP	R5F211B1DD#U0-ND▲	4.34	3.48	2.71
Flash Memory	4K	375	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-LSSOP	R5F211B1SP#U0-ND▲	3.76	3.01	2.34
Flash Memory	4K	375	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	—	-20°C ~ 85°C	20-SSOP	R5F21181SP#U0-ND▲ ***NEW!***	3.15	2.52	1.96
Flash Memory	4K	375	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	—	-20°C ~ 85°C	20-SDIP 20-SSOP	R5F2191DD#U0-ND▲ ***NEW!*** R5F2191SP#U0-ND▲ ***NEW!***	4.21 3.60	3.37 2.88	2.62 2.24
Flash Memory	8K	512	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, SSU, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-LSSOP	R5F211A2DD#U0-ND▲ R5F211A2NP#U0-ND▲ ***NEW!*** R5F211A2SP#U0-ND▲ ***NEW!***	4.21 4.34 3.60	3.37 3.48 2.88	2.62 2.71 2.24
Flash Memory	8K	512	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, SSU, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-LSSOP	R5F211B2DD#U0-ND▲ R5F211B2NP#U0-ND▲ ***NEW!*** R5F211B2SP#U0-ND▲	4.66 4.79 4.05	3.73 3.84 3.24	2.90 2.99 2.52
Flash Memory	8K	512	—	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-40°C ~ 85°C -20°C ~ 85°C -20°C ~ 85°C	32-LQFP 32-LQFP 32-LQFP	R5F21102DFP#U0-ND▲ ***NEW!*** R5F21102FP-ND R5F21102FP#U0-ND▲ ***NEW!***	4.79 4.50 4.50	3.84 3.60 3.60	2.99 2.80 2.80
Flash Memory	8K	512	—	20MHz/2.7 ~ 5.5V	5	3/1	2 USART	12-ch. x 10-bit	-40°C ~ 85°C -20°C ~ 85°C	32-LQFP 32-LQFP	R5F21112FP-ND R5F21112FP#U0-ND▲ ***NEW!***	4.66 4.66	3.73 3.73	2.90 2.90
Flash Memory	8K	512	4Kbytes	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-40°C ~ 85°C -20°C ~ 85°C	32-LQFP 32-LQFP	R5F21122DFP#U0-ND▲ ***NEW!*** R5F21122FP#U0-ND▲ ***NEW!***	5.24 4.95	4.20 3.96	3.27 3.08
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	5	3/1	2 USART	12-ch. x 10-bit	-40°C ~ 85°C -20°C ~ 85°C	32-LQFP 32-LQFP	R5F21132DFP#U0-ND▲ ***NEW!*** R5F21132FP#U0-ND▲ ***NEW!***	5.40 5.11	4.32 4.09	3.36 3.18
Flash Memory	8K	512	—	20MHz/2.7 ~ 5.5V	4	2/1	USART	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F21142SP#U0-ND▲	3.89	3.12	2.43
Flash Memory	8K	512	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	USART, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP 20-SSOP	R5F2152DSP#U0-ND▲ ***NEW!*** R5F2152SP#U0-ND▲	4.66 4.34	3.73 3.48	2.90 2.71
Flash Memory	8K	512	—	20MHz/2.7 ~ 5.5V	4	2/1	USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2162SP#U0-ND▲	4.05	3.24	2.52
Flash Memory	8K	512	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2172SP#U0-ND▲	4.50	3.60	2.80
Flash Memory	8K	512	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	4-ch. x 10-bit	-20°C ~ 85°C	28-HWQFN 20-SSOP	R5F2182NP#U0-ND▲ ***NEW!*** R5F2182SP#U0-ND▲ ***NEW!***	4.21 3.44	3.37 2.76	2.62 2.14
Flash Memory	8K	512	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	4-ch. x 10-bit	-20°C ~ 85°C	28-HWQFN 20-SSOP	R5F2192NP#U0-ND▲ ***NEW!*** R5F2192SP#U0-ND▲ ***NEW!***	4.66 3.89	3.73 3.12	2.90 2.43
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-LSSOP	R5F211A3DD#U0-ND▲ R5F211A3NP#U0-ND▲ ***NEW!*** R5F211A3SP#U0-ND▲	4.50 4.66 3.89	3.60 3.73 3.12	2.80 2.90 2.43

▲ *RoHS Compliant*

(Continued)

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16C Family (Cont.)

8C Tiny Series (Cont.)

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Operating Frequency/ Supply Voltage	External Interrupts	Timers 8/16 bit	Serial Interface	A/D Converter	Operating Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
Flash Memory	12K	768	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-LSSOP	R5F2113D3DD#U0-ND▲ R5F2113D3NP#U0-ND▲ *NEW!* R5F2113D3SP#U0-ND▲	4.95 5.11 4.84	3.96 4.09 3.48	3.08 3.18 2.71
Flash Memory	12K	768	—	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-20°C ~ 85°C	32-LQFP 32-LQFP 32-LQFP	R5F2110JDFP#U0-ND▲ *NEW!* R5F2110JFP-ND R5F2110JFP#U0-ND▲ *NEW!*	5.11 4.79 4.79	4.09 3.84 3.84	3.18 2.99 2.99
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	5	3/1	2 USART	12-ch. x 10-bit	-20°C ~ 85°C	32-LQFP	R5F2113FP#U0-ND▲ *NEW!*	4.95	3.96	3.08
Flash Memory	12K	768	4Kbytes	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-20°C ~ 85°C	32-LQFP 32-LQFP	R5F2112FP-ND R5F2112FP#U0-ND▲ *NEW!*	5.24 5.24	4.20 4.20	3.27 3.27
Flash Memory	12K	768	4Kbytes	20MHz/2.7 ~ 5.5V	5	3/1	2 USART	12-ch. x 10-bit	-20°C ~ 85°C	32-LQFP 32-LQFP	R5F2113JFP-ND R5F2113JFP#U0-ND▲ *NEW!*	5.40 5.40	4.32 4.32	3.36 3.36
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	4	2/1	USART, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2114JSP#U0-ND▲	4.21	3.37	2.62
Flash Memory	12K	768	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	USART, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2115JSP#U0-ND▲	4.66	3.73	2.90
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	4	2/1	USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2116JSP#U0-ND▲	4.34	3.48	2.71
Flash Memory	12K	768	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2117JSP#U0-ND▲	4.79	3.84	2.99
Flash Memory	12K	768	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	—	-20°C ~ 85°C	28-HWQFN 20-SSOP	R5F2118JNP#U0-ND▲ *NEW!* R5F2118JSP#U0-ND▲ *NEW!*	4.50 3.76	3.60 3.01	2.80 2.34
Flash Memory	12K	768	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	—	-20°C ~ 85°C	28-HWQFN 20-SSOP	R5F2119JNP#U0-ND▲ *NEW!* R5F2119JSP#U0-ND▲ *NEW!*	4.95 4.21	3.96 3.37	3.08 2.62
Flash Memory	16K	1K	—	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-20°C ~ 85°C	32-LQFP 32-LQFP	R5F2110AFP-ND R5F2110AFP#U0-ND▲ *NEW!*	5.11 5.11	4.09 4.09	3.18 3.18
Flash Memory	16K	1K	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 20-LSSOP	R5F2114ADD#U0-ND▲ R5F2114ASP#U0-ND▲	4.79 4.21	3.84 3.37	2.99 2.62
Flash Memory	16K	1K	2Kbytes	20MHz/2.7 ~ 5.5V	4	2/1	2 USART, I²C, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-LSSOP	R5F2114DDD#U0-ND▲ R5F2114DNP#U0-ND▲ *NEW!* R5F2114DSP#U0-ND▲	5.24 5.40 4.66	4.20 4.32 3.73	3.27 3.36 2.90
Flash Memory	16K	1K	—	20MHz/2.7 ~ 5.5	5	3/1	2 USART	12-ch. x 10-bit	-20°C ~ 85°C	32-LQFP	R5F2111AFP#U0-ND▲ *NEW!*	5.24	4.20	3.27
Flash Memory	16K	1K	4Kbytes	16MHz/2.7 ~ 5.5V	5	3/1	2 USART	8-ch. x 10-bit	-40°C ~ 85°C -20°C ~ 85°C	32-LQFP 32-LQFP	R5F2112ADFP#U0-ND▲ *NEW!* R5F2112AFP#U0-ND▲ *NEW!*	5.20 5.56	4.16 4.45	3.51 3.46
Flash Memory	16K	1K	4Kbytes	20MHz/2.7 ~ 5.5	5	3/1	2 USART	12-ch. x 10-bit	-20°C ~ 85°C	32-LQFP 32-LQFP	R5F2113AFP-ND R5F2113AFP#U0-ND▲ *NEW!*	5.69 5.69	4.56 4.56	3.55 3.55
Flash Memory	16K	1K	—	20MHz/2.7 ~ 5.5	4	2/1	1 USART, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2114ASP#U0-ND▲	4.50	3.60	2.80
Flash Memory	16K	1K	2Kbytes	20MHz/2.7 ~ 5.5	4	2/1	1 USART, SSU	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2115ASP#U0-ND▲	4.95	3.96	3.08
Flash Memory	16K	1K	—	20MHz/2.7 ~ 5.5	4	2/1	1 USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2116ASP#U0-ND▲	4.66	3.73	2.90
Flash Memory	16K	1K	2Kbytes	20MHz/2.7 ~ 5.5	4	2/1	1 USART, I²C	4-ch. x 10-bit	-20°C ~ 85°C	20-SSOP	R5F2117ASP#U0-ND▲	5.11	4.09	3.18
Flash Memory	16K	1K	—	20MHz/2.7 ~ 5.5V	4	2/1	2 USART	—	-20°C ~ 85°C	20-SDIP 28-HWQFN 20-SSOP	R5F2118ADD#U0-ND▲ *NEW!* R5F2118ANP#U0-ND▲ *NEW!* R5F2118ASP#U0-ND▲ *NEW!*	4.66 4.79 4.05	3.73 3.84 3.24	2.90 2.99 2.52
Flash Memory	16K	1K	2Kbytes	20MHz/2.7 ~ 5.5	4	2/1	2 USART	—	-20°C ~ 85°C	28-HWQFN	R5F2119ANP#U0-ND▲ *NEW!*	5.24	4.20	3.27
Flash Memory	16K	1K	—	20MHz/2.2 ~ 5.5	5	3/2	2 USART, SSU, I²C	12-ch. x 10-bit	-20°C ~ 85°C	52-LQFP	R5F21244SNFP#U0-ND▲ *NEW!*	5.40	4.32	3.36
Flash Memory	16K	1K	2Kbytes	20MHz/2.2 ~ 5.5	5	3/2	2 USART, SSU, I²C	12-ch. x 10-bit	-20°C ~ 85°C	52-LQFP	R5F21254SNFP#U0-ND▲ *NEW!*	5.20	4.16	3.51
Flash Memory	32K	2K	—	20MHz/2.2 ~ 5.5	5	3/2	2 USART, SSU, I²C	12-ch. x 10-bit	-20°C ~ 85°C	52-LQFP	R5F21246SNFP#U0-ND▲ *NEW!*	5.06	4.05	3.42
Flash Memory	32K	2K	2Kbytes	20MHz/2.2 ~ 5.5	5	3/2	2 USART, SSU, I²C	12-ch. x 10-bit	-20°C ~ 85°C	52-LQFP	R5F21256SNFP#U0-ND▲ *NEW!*	5.46	4.37	3.69

740 Family

ROM Type	ROM (Byte)	RAM (Byte)	Data Flash	Timers 8/16 bit	Serial Communication	External Interrupts	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
e time PROM	8K	256	—	2/1	USART	5	8MHz/1.8 ~ 5.5V	-20°C ~ 85°C	32-LQFP 32P4B	M37544G2AGP#U0-ND▲ *NEW!* M37544G2SP-ND	3.11 3.40	2.49 2.72	1.94 2.12
ash Memory	32K	2.5K	—	3/2	2 UART, USB	12	24MHz/4.15 ~ 5.25V	-20°C ~ 70°C	80-LQFP	M37641F8HP#U0-ND▲ *NEW!*	10.80	9.72	8.62

SuperH™ Family

perH is an embedded RISC developed for high performance, miniaturization and performance per power consumption (MIPS/W). We are developing CPU cores for a wide range of applications and functions and have many ducts. Our product lines include the series with SH-2 as the CPU core with on-chip large capacity flash memory and peripheral functions such as timer, serial and AD converter, and the series with SH-3 and SH-4 as the CPU e which enable high-speed data processing and come equipped with cache and MMU. Additionally, there is lineup of series with SH2-DSP and SH3-DSP as the CPU core, which have full DSP funcitons and an emphasis multimedia processing and communications processing. Currently available series (products) also have lots of features such as low power mode, contributing to low power consumption and miniaturization for application dware. Various versatile operating systems and development tools have been improved and, crucially, more effecient development can be achieved.

NEW! SH Series

ROM Type	ROM (Byte)	RAM (Byte)	Serial Communication	External Interrupts	A/D Converter	D/A Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
ROMless	—	4K	3 USART, IrDA, Ethernet	9	—	—	100MHz/3.0 ~ 3.6V	-20°C ~ 75°C	176-LFBGA	D17618RBG100V-ND▲	14.81	13.34	11.83
ROMless	—	16K	4 UART, IrDA, Ethernet	9	—	—	125MHz/3.0 ~ 3.6V	-20°C ~ 70°C	176-LFBGA 176-LFBGA	DS76190B125BGV-ND▲ DS76190N125BGV-ND▲	18.09 18.09	16.89 16.89	15.68 15.68
ROMless	—	16K	2 UART, 2 SSU, 2 Ethernet	7	—	—	200MHz/1.5V	-20°C ~ 75°C	256-QFP	HD6417710FV-ND▲	23.93	22.33	20.74
ROMless	—	16K	3 UART, 2 USB, Smart Card	7	6-ch. x 10-bit	2-ch. x 8-bit	167MHz/1.9V	-20°C ~ 75°C	240-QFP 240-BGA	HD6417727F160CV-ND▲ HD6417727BP160CV-ND▲	31.20 35.93	29.12 33.53	27.04 31.14
ash Memory	256K	12K	3 USART, IrDA, CAN	5	16-ch. x 10-bit	—	50/4.5 ~ 5.5V	-20°C ~ 75°C	100-QFP	HD64F7047F50V-ND▲	19.04	17.77	16.50

SH-2 Series

ROM Type	ROM (Byte)	RAM (Byte)	Serial Communication	External Interrupts	A/D Converter	Operating Frequency/ Supply Voltage	Operating Ambient Temperature	Package	Digi-Key Part No.	Price Each 1	25	100
ternal ROM	ROMless	4K	3 USART, IrDA	9	—	100MHz/3.0 ~ 3.6V	-20°C ~ 75°C	176-LFBGA 176-LFBGA	D17618RBG100V-ND▲ *NEW!* D17618RBGN100V-ND▲ *NEW!*	14.81 14.81	13.34 13.34	11.83 11.83
sh Memory	256K	4K	2 USART, IrDA	9	8-ch. x 10-bit	28.7MHz/4.5 ~ 5.5V	-20°C ~ 75°C	FP-144	HD64F7045F28-ND	41.52	38.76	35.99
sh Memory	256K	8K	4 USART, IrDA, I²C, Smart Card	9	8-ch. x 10-bit	50MHz/3.0 ~ 3.6V	-20°C ~ 75°C	112-QFP	HD64F7144F50V-ND▲ *NEW!*	18.11	16.90	15.70
sh Memory	256K	8K	4 USART, IrDA, I²C, Smart Card	9	8-ch. x 10-bit	50MHz/3.0~3.6V	-20°C ~ 75°C	144-QFP	HD64F7145F50V-ND▲ *NEW!*	18.66	17.42	16.18

RoHS Compliant

(Continued)

SuperH™ Family (Cont.)

SH-3/SH4 Series

Memory Type	ROM (Byte)	RAM (Byte)	Operating Frequency/ Supply Voltage	External Data Bus (bit)	Multiplier, Multiply and Accumulate	Interrupts	BSC	Timer (ch)	AD Converter	Interface	Package	Digi-Key Part No.	Price Each 1	25	100
External ROM	—	16K	167MHz /Internal: 1.75 ~ 2.05V	8/16/32	32x32=>64/32x32+64=>64	27 Internal	SRAM/SDRAM/ BURST ROM/ PCMCIA	3	8-ch. x 10-bit	2 UART, Smart Card	240-BGA 208-LQFP	D6417709SBP167BV-ND▲ **NEW!** D6417709SF167BV-ND▲ **NEW!**	29.54 26.82	27.57 25.04	25.60 23.25
External ROM	ROMless	—	133MHz /Internal: 1.75 ~ 2.05V	8/16/32	32x32=>64/32x 32+64=>64	27 Internal	SRAM/DRAM/ SDRAM	3	8-ch. x 10-bit	SDRAM I/F	FP-208C	HD6417709AF133B-ND **NEW!**	30.23	28.21	26.20
External ROM	ROMless	—	200MHz /Internal: 1.85 ~ 2.15V	8/16/32	32x32=>64/32x 32+64=>64	27 Internal	SRAM/SDRAM	3	8-ch. x 10-bit	SDRAM I/F	208-LQFP	D6417709SHF200BV-ND▲ **NEW!**	31.32	29.24	27.15
External ROM	ROMless	16K	160MHz /Internal: 1.75 ~ 2.05V	8/16/32	32x32=>64/32x32+64=>64/ 16x16=>40/16x16+40=>40	39 Internal	SRAM/SDRAM	3	6-ch. x 10-bit (D/A 2ch.)	SDRAM I/F/LCDC/ USB_H,USB_F	FP-240B	HD6417727F160C-ND	31.20	29.12	27.04
External ROM	ROMless	16K	133MHz /1.65 ~ 2.05V 133MHz /1.65 ~ 2.05V 200MHz /1.85 ~ 2.15V	8/16/32	32x32=>64/32x32+64=>64/ 16x16=>40/16x16+40=>40	27 Internal	SRAM/SDRAM	3	8-ch. x 10-bit	SDRAM I/F	208-LQFP FP-208C 208-QFP	D6417729RF133BV-ND▲ **NEW!** HD6417729RF133B-ND D6417729RHF200BV-ND▲ **NEW!**	26.82 26.82 34.41	25.04 25.04 32.12	23.25 23.25 29.83
External ROM	ROMless	—	167MHz /1.6 ~ 2V 240MHz /1.4 ~ 1.6V	8/16/32	32x32=>64/32x 32+64=>64	31 Internal	SRAM/DRAM/ SDRAM	5	—	SDRAM I/F	FP-208E 256-BGA	HD6417750F167-ND D6417750RBP240DV-ND▲ **NEW!**	45.30 46.35	42.28 43.26	39.26 40.17
External ROM	ROMless	—	240MHz /Internal: 1.4 ~ 1.6V	8/16/ 32/64	32x32=>64/32x 32x32+64=>64	31 Internal	SDRAM/MPX/ BurstROM/ Byte Control SRAM/PCMCIA	5	—	SDRAM I/F	BP-256 FP-208E	HD6417750RBP240-ND HD6417750RF240-ND	38.63 34.86	36.05 32.54	33.48 30.22
External ROM	ROMless	—	200MHz /1.35 ~ 1.6V 240MHz /Internal: 1.4 ~ 1.6V	8/16/32	32x32=>64/32x 32+64=>64	35 Internal	SRAM/DRAM/ SDRAM/MPX/ BurstROM/ Byte Control SRAM/PCMCIA	5	—	PCI	BP-256 BP-256 256-BGA	HD6417751RBP200-ND HD6417751RBP240-ND D6417751RBP200DV-ND▲ **NEW!**	41.07 46.62 49.22	38.34 43.52 45.94	35.60 40.41 42.66
External ROM	ROMless	—	200MHz/Internal: 1.4 ~ 1.6V	8/16/32	32x32=>64/32x 32+64=>64	55 Internal	SRAM/DRAM/ SDRAM/MPX/ BurstROM/ Byte Control SRAM/PCMCIA	3	4-ch. x 10-bit	3 UART, 2 I2C, Smart Card, 2 CAN, USB	256-BGA	D6417760BP200ADV-ND▲ **NEW!**	49.88	46.55	43.23

▲ *RoHS Compliant*

Tools

Description	Digi-Key Part No.	Price Each
Accessories		
Development Emulator Accessory	EBEIOEXT-ND	369.60
Emulator PCB Adapter 100-QFP	EHB2148Q100B-ND	464.40
Emulator PCB Adapter 100-QFP	EHB2238Q100B-ND	554.40
Emulator PCB Adapter 100-QFP	EHB2318Q100B-ND	586.32
Emulator PCB Adapter 128-QFP	EHB2328Q128-ND	925.20
Emulator PCB Adapter 128-QFP	EHB2633Q128-ND	1267.20
Emulator PCB Adapter 144-QFP	EHB2678RQ144-ND	976.08
Emulator PCB Adapter 100-QFP	EHB3064BQ100B-ND	520.80
PCB Adapter 120-TQFP	HS1650ECN61H-ND	1226.40
Personality Kit H8SX/1650	HS1650EPH60H-ND	9464.28
Emulator PCB Adapter 100-QFP	HS2148ECH61HE-ND	1428.42
Emulator PCB Adapter 144-TQFP	HS2168ECN61H-ND	2761.08
Emulator PCB Adapter 64-QFP	HS2212ECH61H-ND	2911.37
Emulator PCB Adapter 112-LFBGA	HS2215ECB62H-ND	3370.86
Emulator PCB Adapter 120-TQFP	HS2215ECN61H-ND	2761.08
Emulator PCB Adapter 100-QFP	HS2218ECN61H-ND	3100.50
Emulator PCB Adapter 100-QFP	HS2238ECH61H-ND	1428.42
Emulator PCB Adapter 112-LFBGA	HS2238RECB62H-ND	2154.60
Emulator PCB Adapter 144-QFP	HS2338ECH61H-ND	1428.42
Emulator PCB Adapter 144-QFP	HS2378ECH61H-ND	1819.44
Personality Kit H8S/2633	HS2633ECH61HE-ND	1428.42
Emulator PCB Adapter 64-QFP	HS3601ECH61H-ND	1428.42
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Emulator Accessory H8/36024	HS36024EI061H-ND	1296.00
Emulator PCB Adapter 80-QFP	HS36049ECH61H-ND	1620.00
Emulator PCB Adapter 64-QFP	HS3664ECH61H-ND	1428.42
Emulator PCB Adapter 64-QFP	HS3664ECH62H-ND	1428.42
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Emulator Personality Kit M16C/62P	M3062PT-EPB-ND	1359.00
Emulator Personality Kit M16C/6N	M306N3T-EPB-ND	2052.42
Emulator Probe M16C/6N	M306NXT-EPB-ND	1472.40
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Emulator Accessory	M3T-100LCC-DMS-ND	108.00
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Emulator PCB Adapter 128-LQFP	M3T-F160-128NRD-ND	403.65
Emulator PCB Adapter 100-QFP	M3T-FLX-100NRB-ND	558.60
Emulator PCB Adapter 100-LQFP	M3T-FLX-100NSD-ND	598.50
Emulator PCB Adapter 144-LQFP	M3T-FLX-144NSD-ND	417.15
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Emulator Accessory	M3T-FLX100-T-ND	154.00
Emulator Kit M16C/62P	M62PEK75-ND	1839.60
Emulator Kit M32C/85	M85EK75-ND	1731.66
Development Evaluation PSU and Serial Cable	USBAG-PSU1-ND	23.25

Description	Digi-Key Part No.	Price Each
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C Compiler M16C 1 User LAN	RTA-HEWNC30-1UL-ND	1734.79
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C Compiler M32C 1 User LAN	RTA-HEWNC308-1UL-ND	1734.79
C Compiler SH 1 User	RTA-HEWSH-1U-ND	2693.25
C Compiler SH 1 User LAN	RTA-HEWSH-1UL-ND	2891.30
Emulators		
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Development Emulator Base Unit H8S/2300	E62339-ND	9904.50
Development Emulator Base Unit H8S/2633	E62633R-ND	9336.60
Development Emulator Base Unit H8S/2678	E62678R-ND	11299.50
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Emulator Base Unit H8/3664	HS3664EPI62H-ND	5904.00
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Emulator Base Unit M16C/60	M3062PT3-RPD-E-ND	3589.40
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AD8015AR	AD8015AR-ND	Transimpedance Amp	8-SOIC	6.64	5.32	4.49
AD8015ARZ	AD8015ARZ-ND	Transimpedance Amp*	8-SOIC	6.64	5.32	4.49
Audio/Video						
AD813ARZ-14	AD813ARZ-14-ND	Triple Video Amp Single LP*	14-SOIC	8.32	6.66	5.62
AD830ANZ	AD830ANZ-ND	Video Differential Amp HS*	8-Dip	5.40	4.32	3.65
AD830AR	AD830AR-ND	Video Differential Amp HS	8-SOIC	5.40	4.32	3.65
AD830JR	AD830JR-ND	Video Differential Amp HS	8-SOIC	5.40	4.32	3.65
AD830JRZ-R7	AD830JRZ-R7CT-ND	Video Differential Amp HS*	8-SOIC	5.40	4.32	3.65
AD830JRZ-R7	AD830JRZ-R7TR-ND	Video Differential Amp HS*	8-SOIC	2571.75/750		
AD1990ACPZ	AD1990ACPZ-ND	Audio Switching Amp* ***NEW!***	64-LFCSP	7.16	5.73	4.84
AD1991ASV	AD1991ASV-ND	Audio Powerstage Class-D	52-TQFP	14.58	13.13	11.64
AD1992ACPZ	AD1992ACPZ-ND	Audio Switching Amp* ***NEW!***	64-LFCSP	8.12	6.50	5.49
AD1994ACPZ	AD1994ACPZ-ND	Audio Switching Amp*	64-LFCSP	9.13	8.22	7.29
AD8013ARZ-14	AD8013ARZ-14-ND	Triple Video Amp*	14-SOIC	9.70	7.76	6.55
AD8075-EVAL	AD8075-EVAL-ND	Evaluation Board for AD8075 ***NEW!***		78.00		
AD8075ARU	AD8075ARU-ND	Triple Video Buffer High-Speed	16-TSSOP	5.27	4.22	3.28
AD8075ARUZ	AD8075ARUZ-ND	Triple Video Buffer High-Speed*	16-TSSOP	5.27	4.22	3.28
OP275GPZ	OP275GPZ-ND	Op Amp Bipolar/JFET Audio*	8-Dip	2.13	1.70	1.28
OP275GSZ	OP275GSZ-ND	Op Amp Bipolar/JFET Audio*	8-SOIC	2.03	1.62	1.22
OP279GSZ	OP279GSZ-ND	Op Amp Dual Single Supply Rail-to-Rail 60mA*	8-SOIC	2.57	2.06	1.60
SSM2210SZ	SSM2210SZ-ND	Transistor Audio Match*	8-SOIC	4.79	3.84	2.99
SSM2211CP-REEL7	SSM2211CP-REEL7CT-ND	Audio Amp Low Distortion 1.5W	8-LFCSP	.96	.80	.64
SSM2211CP-REEL7	SSM2211CP-REEL7TR-ND	Audio Amp Low Distortion 1.5W	8-LFCSP	798.00/1,500		
SSM2211SZ	SSM2211SZ-ND	Audio Amp Low Distortion 1.5W*	8-SOIC	1.26	1.05	.84
Buffer						
AD8570ARU	AD8570ARU-ND	Buffer Amp 16V R-R I/O	20-TSSOP	5.38	4.31	3.35
Comparator						
AD790AQ	AD790AQ-ND	Precision Comparator High-Speed	8-Dip	13.18	11.87	10.53
AD790JN	AD790JN-ND	Precision Comparator High-Speed	8-Dip	8.16	6.53	5.51
AD790JNZ	AD790JNZ-ND	Precision Comparator High-Speed*	8-Dip	8.16	6.53	5.51
AD790JRZ	AD790JRZ-ND	Precision Comparator High-Speed*	8-SOIC	8.16	6.53	5.51
AD8210YRZ	AD8210YRZ-ND	High Voltage, Bidirectional Current Shunt Monitor* ***NEW!***	8-SOIC	4.19	3.35	2.61
AD8561AN	AD8561AN-ND	Comparator Single 7nS	8-Dip	4.16	3.33	2.59
AD8561ANZ	AD8561ANZ-ND	Comparator Single 7nS*	8-Dip	4.16	3.33	2.59
AD8561AR	AD8561AR-ND	Comparator Single 7nS	8-SOIC	4.16	3.33	2.59
AD8561AR-REEL7	AD8561AR-REEL7CT-ND	Comparator Single 7nS	8-SOIC	4.16	3.33	2.59
AD8561AR-REEL7	AD8561AR-REEL7TR-ND	Comparator Single 7nS	8-SOIC	2359.00/1,000		
AD8561ARZ	AD8561ARZ-ND	Comparator Single 7nS* ***NEW!***	8-SOIC	4.16	3.33	2.59
AD8561ARZ-REEL7	AD8561ARZ-REEL7CT-ND	Comparator Single 7nS* ***NEW!***	8-SOIC	4.16	3.33	2.59
AD8561ARZ-REEL7	AD8561ARZ-REEL7TR-ND	Comparator Single 7nS* ***NEW!***	8-SOIC	2359.00/1,000		
AD8564AN	AD8564AN-ND	Comparator Quad 7nS	16-SOIC	8.20	6.56	5.54
AD8564ARZ	AD8564ARZ-ND	Comparator Quad 7nS*	16-SOIC	8.20	6.56	5.54
AD8564ARU-REEL	AD8564ARU-REELCT-ND	Comparator Quad 7nS	16-TSSOP	7.38	5.91	4.99
AD8564ARU-REEL	AD8564ARU-REELTR-ND	Comparator Quad 7nS	16-TSSOP	11440.00/2,500		
AD8564ARUZ-REEL	AD8564ARUZ-REELCT-ND	Comparator Quad 7nS*	16-TSSOP	7.38	5.91	4.99
AD8564ARUZ-REEL	AD8564ARUZ-REELTR-ND	Comparator Quad 7nS*	16-TSSOP	11440.00/2,500		
AD8611ARZ	AD8611ARZ-ND	Comparator Single 4nS HS*	8-SOIC	5.36	4.29	3.34
AD8611ARMZ-R2	AD8611ARMZ-R2CT-ND	Comparator Single 4nS HS*	8-MSOP	5.72	4.58	3.87
AD8611ARMZ-R2	AD8611ARMZ-R2TR-ND	Comparator Single 4nS HS*	8-MSOP	929.50/250		
AD8612ARUZ	AD8612ARUZ-ND	Comparator Dual 4nS Fast*	14-TSSOP	8.00	6.40	5.40
AD96685BR	AD96685BR-ND	Comparator Single Ultra-Fast	16-SOIC	5.84	4.68	3.95
AD96687BP	AD96687BP-ND	Comparator Dual 2.5nS	20-PLCC	6.40	5.12	4.32
AD96687BQ	AD96687BQ-ND	Comparator Dual 2.5nS	16-Dip	9.83	8.85	7.85
AD96687BR	AD96687BR-ND	Comparator Dual 2.5nS	16-SOIC	5.84	4.68	3.95
AD96687BRZ	AD96687BRZ-ND	Comparator Dual 2.5nS*	16-SOIC	5.84	4.68	3.95
ADCMP370AKS-REEL7	ADCMP370AKSREELCT-ND	Comparator, Open-Drain, High Voltage	SC70-5	.84	.70	.56
ADCMP370AKS-REEL7	ADCMP370AKSREELTR-ND	Comparator, Open-Drain, High Voltage	SC70-5	1092.00/3,000		
ADCMP371AKS-REEL7	ADCMP371AKSREELCT-ND	Comparator, Push-Pull	SC70-5	.84	.70	.56
ADCMP371AKS-REEL7	ADCMP371AKSREELTR-ND	Comparator, Push-Pull	SC70-5	1092.00/3,000		
ADCMP561BRQ	ADCMP561BRQ-ND	Comparator Dual High-Speed PECL	16-QSOP	5.40	4.32	3.65
ADCMP565BP	ADCMP565BP-ND	Comparator Dual Ultra-Fast	20-PLCC	8.75	7.88	6.99
ADCMP565BPZ	ADCMP565BPZ-ND	Comparator Dual Ultra-Fast+ ***NEW!***	20-PLCC	8.75	7.88	6.99
ADCMP566BCPZ	ADCMP566BCPZ-ND	Comparator Dual Ultra-Fast+ ***NEW!***	32-LFCSP	8.00	6.40	5.40
ADCMP567BCPZ	ADCMP567BCPZ-ND	Comparator Dual Ultra-Fast+ ***NEW!***	32-LFCSP	8.00	6.40	5.40
ADCMP572BCPZ-R2	ADCMP572BCPZ-R2CT-ND	Comparator Single Ultra-Fast+ ***NEW!***	16-LFCSP	17.28	15.56	13.80
ADCMP572BCPZ-R2	ADCMP572BCPZ-R2TR-ND	Comparator Single Ultra-Fast+ ***NEW!***	16-LFCSP	3305.50/250		
ADCMP573BCPZ-R2	ADCMP573BCPZ-R2CT-ND	Comparator Single Ultra-Fast+ ***NEW!***	16-LFCSP	17.28	15.56	13.80
ADCMP573BCPZ-R2	ADCMP573BCPZ-R2TR-ND	Comparator Single Ultra-Fast+ ***NEW!***	16-LFCSP	3305.50/250		
ADCMP582BCPZ-R2	ADCMP582BCPZ-R2CT-ND	Comparator Ultra-Fast SiGe+ ***NEW!***	16-LFCSP	17.28	15.56	13.80
ADCMP582BCPZ-R2	ADCMP582BCPZ-R2TR-ND	Comparator Ultra-Fast SiGe+ ***NEW!***	16-LFCSP	3305.50/250		
CMP04FSZ	CMP04FSZ-ND	Comparator Quad Low Power*	14-SOIC	8.53	7.68	6.81
CMP401GSZ	CMP401GSZ-ND	Comparator Low Voltage 23nS*	16-SOIC	6.08	4.87	4.11
CMP402GS	CMP402GS-ND	Comparator Low Voltage 65nS	16-SOIC	6.42	5.14	4.34
CMP401GSZ	CMP401GSZ-ND	Comparator Low Voltage 65nS*	16-SOIC	6.08	4.87	4.11

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Differential						
ADA4941-1YCPZ-R7	ADA4941-1YCPZ-R7CT-ND	Single Supply, Differential 18-Bit ADC Driver* ***NEW!***	8-LFCSP	5.38	4.31	3.35
ADA4941-1YCPZ-R7	ADA4941-1YCPZ-R7TR-ND	Single Supply, Differential 18-Bit ADC Driver* ***NEW!***	8-LFCSP	4570.50/1,500		
AD8129AR	AD8129AR-ND	Differential Receiver Amp HS	8-SOIC	4.12	3.30	2.57
AD8129ARZ	AD8129ARZ-ND	Differential Receiver Amp HS*	8-SOIC	4.12	3.30	2.57
AD8130ARZ	AD8130ARZ-ND	Diff. Receiver Amp 270MHz HS*	8-SOIC	4.12	3.30	2.57
AD8130AR-REEL7	AD8130AR-REEL7CT-ND	Diff. Receiver Amp 270MHz HS*	8-SOIC	4.12	3.30	2.57
AD8130AR-REEL7	AD8130AR-REEL7TR-ND	Diff. Receiver Amp 270MHz HS	8-SOIC	2333.00/1,000		
AD8130ARM	AD8130ARM-ND	Diff. Receiver Amp 270MHz HS	8-MSOP	4.12	3.30	2.57
AD8130ARMZ	AD8130ARMZ-ND	Diff. Receiver Amp 270MHz HS*	8-MSOP	4.12	3.30	2.57
AD8131AR	AD8131AR-ND	Differential Driver 400MHz HS	8-SOIC	4.77	3.82	2.97
AD8131ARZ	AD8131ARZ-ND	Differential Driver 400MHz HS*	8-SOIC	4.77	3.82	2.97
AD8131ARM-REEL7	AD8131ARM-REEL7CT-ND	Diff. Driver 400MHz High-Speed	8-MSOP	4.77	3.82	2.97
AD8131ARM-REEL7	AD8131ARM-REEL7TR-ND	Diff. Driver 400MHz High-Speed	8-MSOP	2703.00/1,000		
AD8131ARMZ	AD8131ARMZ-ND	Diff. Driver 400MHz High-Speed*	8-MSOP	4.77	3.82	2.97
AD8202YR	AD8202YR-ND	High Common-Mode Volt., Single-Supply Differential Amp	8-SOIC	3.15	2.52	1.96
AD8202YRZ	AD8202YRZ-ND	High Common-Mode Volt., Single-Supply Differential Amp*	8-SOIC	3.15	2.52	1.96
AD8205YR	AD8205YR-ND	42V System Differential Amp	8-SOIC	3.15	2.52	1.96
AD8205YRZ	AD8205YRZ-ND	42V System Differential Amp*	8-SOIC	3.15	2.52	1.96
AD8205YR-REEL7	AD8205YR-REEL7TR-ND	42V System Differential Amp	8-SOIC	1785.00/1,000		
AD8324ACPZ	AD8324ACPZ-ND	3.3V Cable Line Driver* ***NEW!***	20-LFCSP	4.50	3.60	2.80
AD8324JRQ	AD8324JRQ-ND	3.3V Cable Line Driver	20-QSOP	4.59	3.68	2.86
AD8324JRQZ	AD8324JRQZ-ND	3.3V Cable Line Driver* ***NEW!***	20-QSOP	4.59	3.68	2.86
AD8328ACP	AD8328ACP-ND	5V Cable Line Driver	20-LFCSP	4.93	3.95	3.07
AD8328ACPZ	AD8328ACPZ-ND	5V Cable Line Driver*	20-LFCSP	4.93	3.95	3.07
AD8328ARQ	AD8328ARQ-ND	5V Cable Line Driver	20-QSOP	5.18	4.14	3.22
AD8328ARQZ	AD8328ARQZ-ND	5V Cable Line Driver*	20-QSOP	5.18	4.14	3.22
AD8390ACP-R2	AD8390ACP-R2CT-ND	Voltage Feedback Amp ADSL, LP	16-LFCSP	5.58	4.47	3.77
AD8390ACP-R2	AD8390ACP-R2TR-ND	Voltage Feedback Amp ADSL, LP	16-LFCSP	906.75/250		
AD8390ARCZ	AD8390ARCZ-ND	Voltage Feedback Amp ADSL, LP*	16-QSOP	5.78	4.63	3.91
General Purpose						
AD582KD	AD582KD-ND	Sample/Hold Amp	14-Dip	34.88	32.55	30.23
AD684AQ	AD684AQ-ND	Sample/Hold Amp Quad	16-CDip	58.35	54.46	50.57
AD684JQ	AD684JQ-ND	Sample/Hold Amp Quad	16-Dip	48.63	45.39	42.15
AD684SQ	AD684SQ-ND	Sample/Hold Amp Quad	16-CDip	190.92	178.20	165.47
AD708AQ	AD708AQ-ND	Op Amp Dual Low Offset Voltage	8-Dip	9.10	7.28	6.15
AD708BQ	AD708BQ-ND	Op Amp Dual Low Offset Voltage	8-CDip	12.79	11.52	10.22
AD708JNZ	AD708JNZ-ND	Op Amp Dual Low Offset Voltage*	8-Dip	6.14	4.92	4.15
AD712AQ	AD712AQ-ND	Precision Op Amp Dual BiFET	8-Dip	9.36	7.49	6.32
AD712JN	AD712JN-ND	Precision Op Amp Dual BiFET	8-Dip	3.56	2.85	2.22
AD712JNZ	AD712JNZ-ND	Precision Op Amp Dual BiFET*	8-Dip	3.40	2.72	2.12
AD712JRZ	AD712JRZ-ND	Precision Op Amp Dual BiFET*	8-SOIC	3.40	2.72	2.12
AD712JR-REEL7	AD712JR-REEL7TR-ND	Precision Op Amp Dual BiFET	8-SOIC	1540.50/750		
AD712KN	AD712KN-ND	Precision Op Amp Dual BiFET	8-Dip	6.32	5.06	4.27
AD712KNZ	AD712KNZ-ND	Precision Op Amp Dual BiFET*	8-Dip	5.40	4.32	4.07
AD712KR	AD712KR-ND	Precision Op Amp Dual BiFET	8-SOIC	6.06	4.85	4.10
AD712KRZ	AD712KRZ-ND	Precision Op Amp Dual BiFET*	8-SOIC	5.76	4.61	3.89
AD712KR-REEL7	AD712KR-REEL7CT-ND	Precision Op Amp Dual BiFET	8-SOIC	6.06	4.85	4.10
AD712KR-REEL7	AD712KR-REEL7TR-ND	Precision Op Amp Dual BiFET	8-SOIC	2886.00/750		
AD713AQ	AD713AQ-ND	Precision Op Amp Quad BiFET	14-Dip	10.09	9.03	8.01
AD713BQ	AD713BQ-ND	Precision Op Amp Dual BiFET	14-CDip	39.09	36.49	33.88
AD713JN	AD713JN-ND	Precision Op Amp Quad BiFET	14-Dip	8.32	6.66	5.62
AD713JNZ	AD713JNZ-ND	Precision Op Amp Quad BiFET*	14-Dip	7.92	6.34	5.35
AD713JR-16-REEL7	AD713JR-16REEL7CT-ND	Precision Op Amp Quad BiFET	16-SOIC	7.92	6.34	5.35
AD713JR-16-REEL7	AD713JR-16REEL7TR-ND	Precision Op Amp Quad BiFET	16-SOIC	2163.20/400		
AD713JR-16	AD713JR-16-ND	Precision Op Amp Quad BiFET	16-SOIC	8.32	6.66	5.62
AD713JRZ-16	AD713JRZ-16-ND	Precision Op Amp Quad BiFET*	16-SOIC	7.92	6.34	5.35
AD713KN	AD713KN-ND	Precision Op Amp Quad BiFET	14-Dip	10.70	9.63	8.54
AD713KNZ	AD713KNZ-ND	Precision Op Amp Quad BiFET*	14-Dip	10.18	9.17	8.13
AD743JN	AD743JN-ND	Op Amp BiFET Low Noise	8-Dip	8.88	8.00	7.09
AD743JNZ	AD743JNZ-ND	Op Amp BiFET Low Noise*	8-Dip	8.48	7.62	6.76
AD744JN	AD744JN-ND	Precision Op Amp BiFET Mono	8-Dip	4.52	3.62	2.82
AD744JNZ	AD744JNZ-ND	Precision Op Amp BiFET Mono*	8-Dip	4.52	3.62	2.82
AD744JR	AD744JR-ND	Precision Op Amp BiFET Mono	8-SOIC	5.00	4.00	3.11
AD744JRZ	AD744JRZ-ND	Precision Op Amp BiFET Mono*	8-SOIC	5.00	4.00	3.11
AD744KNZ	AD744KNZ-ND	Precision Op Amp BiFET Mono*	8-Dip	5.72	4.56	3.87
AD744KR	AD744KR-ND	Precision Op Amp BiFET Mono	8-SOIC	6.30	5.04	4.26
AD744KRZ	AD744KRZ-ND	Precision Op Amp BiFET Mono*	8-SOIC	6.30	5.04	4.26
AD746JN	AD746JN-ND	Precision Op Amp BiFET Dual	8-Dip	7.32	5.86	4.95
AD746JNZ	AD746JNZ-ND	Precision Op Amp BiFET Dual*	8-Dip	7.32	5.86	4.95
AD746JR	AD746JR-ND	Precision Op Amp BiFET Dual	8-SOIC	7.32	5.86	4.95
AD746JRZ	AD746JRZ-ND	Precision Op Amp BiFET Dual*	8-SOIC	7.32	5.86	4.95
AD781JNZ	AD781JNZ-ND	Sample and Hold Amp 700nS*	8-Dip	10.71	9.65	8.56
AD817AN	AD817AN-ND	Op Amp Single/Dual HS LP	8-Dip	3.60	2.88	2.24
AD817ANZ	AD817ANZ-ND	Op Amp Single/Dual HS LP*	8-Dip	3.60	2.88	2.24
AD817ARZ	AD817ARZ-ND	Op Amp Single/Dual HS LP*	8-SOIC	3.60	2.88	2.24
AD825AR	AD825AR-ND	Op Amp JFET High Speed	8-SOIC	3.76	3.01	2.34
AD825ARZ	AD825ARZ-ND	Op Amp JFET High Speed*	8-SOIC	3.76	3.01	2.34
AD827JNZ	AD827JNZ-ND	Op Amp Dual High Speed Low Power*	8-Dip	8.38	7.55	6.69
AD827JRZ-16	AD827JRZ-16-ND	Op Amp Dual High Speed LP*	16-SOIC	8.38	7.55	6.69
AD828AN	AD828AN-ND	Video Op Amp Dual Low Power	8-Dip	4.97	3.98	3.10
AD828ARZ	AD828ARZ-ND	Video Op Amp Dual Low Power*	8-SOIC	4.97	3.98	3.10
AD843JNZ	AD843JNZ-ND	Op Amp Fast-Settling HS*	8-Dip	8.56	6.85	5.78
AD843JR-16	AD843JR-16-ND	Op Amp Fast-Settling HS	16-SOIC	9.42	7.54	6.36
AD843KNZ	AD843KNZ-ND	Op Amp Fast-Settling HS*	8-Dip	9.76	7.81	6.59
AD843SQ	AD843SQ-ND	Op Amp Fast Settling HS	8-Dip	32.12	29.98	27.84
AD845JNZ	AD845JNZ-ND	Precision Op Amp 16MHz*	8-Dip	6.40	5.12	4.32
AD845JR-16	AD845JR-16-ND	Precision Op Amp 16MHz	16-SOIC	7.06	5.65	4.77
AD845JRZ-16	AD845JRZ-16-ND	Precision Op Amp 16MHz*	16-SOIC	7.06	5.65	4.77
AD845KN	AD845KN-ND	Precision Op Amp 16MHz	8-Dip	7.40	5.92	5.00
AD8044AN	AD8044AN-ND	Op Amp Voltage-Feedback R-R Quad	14-Dip	8.00	6.40	5.40
AD8044ARZ-14	AD8044ARZ-14-ND	Op Amp Voltage-Feedback R-R Quad*	14-SOIC	8.00	6.40	5.40
AD8048AR	AD8048AR-ND	Op Amp Voltage-Feedback GP	8-SOIC	4.86	3.89	3.03
AD8067ARTZ-R2	AD8067ARTZ-R2CT-ND	FastFET™ Input Amp*	SOT-23-5	6.46	5.17	4.37
AD8067ARTZ-R2	AD8067ARTZ-R2TR-ND	FastFET™ Input Amp*	SOT-23-5	1049.75/250		
AD8515AKSZ-R2	AD8515AKSZ-R2CT-ND	Op Amp 1.8V R-R In/Out LP*	SC70-5	1.35	1.13	.90
AD8515AKSZ-R2	AD8515AKSZ-R2TR-ND	Op Amp 1.8V R-R In/Out LP*	SC70-5	168.75/250		
AD8515ARTZ-R2	AD8515ARTZ-R2CT-ND	Op Amp 1.8V R-R In/Out LP*	SOT-23-5	1.26	1.05	.84
AD8515ARTZ-R2	AD8515ARTZ-R2TR-ND	Op Amp 1.8V R-R In/Out LP*	SOT-23-5	157.50/250		

* RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD8515ARTZ-REEL7	AD8515ART2REEL7CT-ND	Op Amp 1.8V R-R In/Out LP*	SOT-23-5	1.12	.84	.63
AD8515ARTZ-REEL7	AD8515ART2REEL7TR-ND	Op Amp 1.8V R-R In/Out LP*	SOT-23-5		1092.00/3,000	
AD8519ART-REEL7	AD8519ART-REEL7CT-ND	Op Amp Rail-to-Rail 8MHz*	SOT-23-5	2.08	1.66	1.25
AD8519ARTZ-REEL7	AD8519ARTZ-REEL7CT-ND	Op Amp Rail-to-Rail 8MHz*	SOT-23-5	2.08	1.66	1.25
AD8519ARTZ-REEL7	AD8519ARTZ-REEL7TR-ND	Op Amp Rail-to-Rail 8MHz*	SOT-23-5		3186.00/3,000	
AD8529AR	AD8529AR-ND	Op Amp Dual Rail-to-Rail Out	8-SOIC	2.75	2.20	1.71
AD8529ARZ	AD8529ARZ-ND	Op Amp Dual Rail-to-Rail Out*	8-SOIC	2.75	2.20	1.71
AD8531AR	AD8531AR-ND	Op Amp Single Rail-to-Rail In/Out	8-SOIC	1.24	.93	.70
AD8531ARZ	AD8531ARZ-ND	Op Amp Single Rail-to-Rail In/Out*	8-SOIC	1.24	.93	.70
AD8531ARTZ-REEL7	AD8531ARTZ-REEL7CT-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5	.81	.68	.54
AD8531ARTZ-REEL7	AD8531ARTZ-REEL7TR-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5		1053.00/3,000	
AD8532AR	AD8532AR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.23	1.03	.82
AD8532AR-REEL7	AD8532AR-REEL7CT-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.23	1.03	.82
AD8532ARMZ-R2	AD8532ARMZ-R2CT-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP	1.35	1.08	.81
AD8532ARMZ-R2	AD8532ARMZ-R2TR-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP		189.00/250	
AD8532ARZ	AD8532ARZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-SOIC	1.23	1.03	.82
AD8534AR	AD8534AR-ND	Op Amp Single Rail-to-Rail In/Out	14-SOIC	1.77	1.48	1.18
AD8534ARZ	AD8534ARZ-ND	Op Amp Single Rail-to-Rail In/Out*	14-SOIC	1.48	1.18	.89
AD8541AR	AD8541AR-ND	Op Amp Single Rail-to-Rail In/Out	6-SOIC	1.24	.93	.70
AD8541ARZ	AD8541ARZ-ND	Op Amp Single Rail-to-Rail In/Out*	6-SOIC	1.24	.93	.70
AD8541ARTZ-REEL7	AD8541ARTZ-REEL7CT-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5	.81	.68	.54
AD8541ARTZ-REEL7	AD8541ARTZ-REEL7TR-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5		1053.00/3,000	
AD8542AR	AD8542AR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.23	1.03	.82
AD8542AR-REEL7	AD8542AR-REEL7CT-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.23	1.03	.82
AD8542AR-REEL7	AD8542AR-REEL7TR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC		545.00/1,000	
AD8542ARUZ	AD8542ARUZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-TSSOP	1.23	1.03	.82
AD8542ARZ	AD8542ARZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-SOIC	1.23	1.03	.82
AD8544AR	AD8544AR-ND	Op Amp Quad Rail-to-Rail In/Out	14-SOIC	1.77	1.48	1.18
AD8544ARUZ	AD8544ARUZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-TSSOP	1.77	1.48	1.18
AD8544ARZ	AD8544ARZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-SOIC	1.77	1.48	1.18
AD8551ARZ	AD8551ARZ-ND	Op Amp Single Rail-to-Rail 0-Drift*	8-SOIC	2.32	1.86	1.45
AD8551ARMZ-REEL	AD8551ARMZ-REELCT-ND	Op Amp Single Rail-to-Rail 0-Drift*	8-MSOP	2.33	1.86	1.40
AD8551ARMZ-REEL	AD8551ARMZ-REELTR-ND	Op Amp Single Rail-to-Rail 0-Drift*	8-MSOP		3570.00/3,000	
AD8552AR	AD8552AR-ND	Op Amp Dual Rail-to-Rail 0-Drift	8-SOIC	3.67	2.94	2.29
AD8552ARUZ	AD8552ARUZ-ND	Op Amp Dual Rail-to-Rail 0-Drift*	8-TSSOP	3.67	2.94	2.29
AD8552ARZ	AD8552ARZ-ND	Op Amp Dual Rail-to-Rail 0-Drift*	8-SOIC	2.45	2.23	2.12
AD8554ARUZ	AD8554ARUZ-ND	Op Amp Quad Rail-to-Rail 0-Drift*	14-TSSOP	5.76	4.61	3.89
AD8554ARZ	AD8554ARZ-ND	Op Amp Quad Rail-to-Rail 0-Drift*	14-SOIC	5.76	4.61	3.89
AD8566ARMZ-R2	AD8566ARMZ-R2CT-ND	Op Amp 16V Rail-to-Rail In/Out*	8-MSOP	3.04	2.43	1.89
AD8566ARMZ-R2	AD8566ARMZ-R2TR-ND	Op Amp 16V Rail-to-Rail In/Out*	8-MSOP		449.00/250	
AD8571ARZ	AD8571ARZ-ND	Op Amp Rail-to-Rail In/Out 0-Drift*	8-SOIC	2.59	2.07	1.61
AD8572AR	AD8572AR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	4.16	3.33	2.59
AD8572ARZ	AD8572ARZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-SOIC	4.16	3.33	2.59
AD8572ARU	AD8572ARU-ND	Op Amp Dual Rail-to-Rail In/Out	8-TSSOP	4.16	3.33	2.59
AD8574AR	AD8574AR-ND	Op Amp Quad Rail-to-Rail In/Out	14-SOIC	6.60	5.28	4.46
AD8574ARZ	AD8574ARZ-ND	Op Amp Quad Rail-to-Rail 0-Drift*	14-SOIC	6.60	5.28	4.46
AD8574ARUZ	AD8574ARUZ-ND	Op Amp Quad Rail-to-Rail 0-Drift*	14-TSSOP	6.60	5.28	4.46
AD8592ARM-REEL	AD8592ARM-REELCT-ND	Op Amp Dual R-R with Shutdown	10-MSOP	1.17	.98	.78
AD8592ARM-REEL	AD8592ARM-REELTR-ND	Op Amp Dual R-R with Shutdown	10-MSOP		1521.00/3,000	
AD8594AR	AD8594AR-ND	Op Amp Dual R-R with Shutdown	16-SOIC	1.86	1.55	1.24
AD8594ARZ	AD8594ARZ-ND	Op Amp Dual R-R with Shutdown*	16-SOIC	1.55	1.24	.93
AD8602AR	AD8602AR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.88	1.50	1.13
AD8602ARZ	AD8602ARZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-SOIC	1.88	1.50	1.13
AD8602AR-REEL7	AD8602AR-REEL7CT-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	1.88	1.50	1.13
AD8602AR-REEL7	AD8602AR-REEL7TR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC		975.00/1,000	
AD8602ARM-REEL	AD8602ARM-REELCT-ND	Op Amp Dual Rail-to-Rail In/Out	8-MSOP	1.78	1.42	1.07
AD8602ARM-REEL	AD8602ARM-REELTR-ND	Op Amp Dual Rail-to-Rail In/Out	8-MSOP		2727.00/3,000	
AD8602ARMZ-REEL	AD8602ARMZ-REELTR-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP		2727.00/3,000	
AD8602ARMZ-R2	AD8602ARMZ-R2CT-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP	2.23	1.78	1.34
AD8602ARMZ-R2	AD8602ARMZ-R2TR-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP		311.50/250	
AD8603AUJZ-R2	AD8603AUJZ-R2CT-ND	Op Amp CMOS R-R In/Out*	TSOT-23-5	2.39	1.91	1.49
AD8603AUJZ-R2	AD8603AUJZ-R2TR-ND	Op Amp CMOS R-R In/Out*	TSOT-23-5		352.50/250	
AD8603AUJZ-REEL7	AD8603AUJZREEL7CT-ND	Op Amp CMOS R-R In/Out*	TSOT-23-5	1.68	1.34	1.01
AD8603AUJZ-REEL7	AD8603AUJZREEL7TR-ND	Op Amp CMOS R-R In/Out*	TSOT-23-5		2574.00/3,000	
AD8604AR	AD8604AR-ND	Op Amp Quad Rail-to-Rail In/Out	14-SOIC	2.27	1.82	1.42
AD8604ARZ	AD8604ARZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-SOIC	2.27	1.82	1.42
AD8604ARU	AD8604ARU-ND	Op Amp Quad Rail-to-Rail In/Out	14-TSSOP	2.27	1.82	1.42
AD8604ARUZ	AD8604ARUZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-TSSOP	2.27	1.82	1.42
AD8605ART-REEL7	AD8605ART-REEL7CT-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5	1.68	1.34	1.01
AD8605ART-REEL7	AD8605ART-REEL7TR-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5		2574.00/3,000	
AD8605ARTZ-REEL7	AD8605ARTZREEL7CT-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5	1.68	1.34	1.01
AD8605ARTZ-REEL7	AD8605ARTZREEL7TR-ND	Op Amp Single Rail-to-Rail In/Out*	SOT-23-5		2574.00/3,000	
AD8606AR	AD8606AR-ND	Op Amp Dual Rail-to-Rail In/Out	8-SOIC	3.15	2.52	1.96
AD8606ARZ	AD8606ARZ-ND	Op Amp Dual Rail-to-Rail In/Out*	8-SOIC	3.15	2.52	1.96
AD8606ARM-REEL	AD8606ARM-REELCT-ND	Op Amp Dual Rail-to-Rail In/Out	8-MSOP	2.66	2.13	1.66
AD8606ARM-REEL	AD8606ARM-REELTR-ND	Op Amp Dual Rail-to-Rail In/Out	8-MSOP		4461.00/3,000	
AD8606ARMZ-REEL	AD8606ARMZ-REELTR-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP	2.66	2.13	1.66
AD8606ARMZ-REEL	AD8606ARMZ-REELTR-ND	Op Amp Dual Rail-to-Rail In/Out*	8-MSOP		4461.00/3,000	
AD8607AR	AD8607AR-ND	Op Amp Dual Rail-to-Rail CMOS LN	8-SOIC	2.70	2.16	1.68
AD8607ARZ	AD8607ARZ-ND	Op Amp Dual Rail-to-Rail CMOS LN*	8-SOIC	2.70	2.16	1.68
AD8608AR	AD8608AR-ND	Op Amp Quad Rail-to-Rail In/Out	14-SOIC	4.16	3.33	2.59
AD8608ARZ	AD8608ARZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-SOIC	4.16	3.33	2.59
AD8608ARU	AD8608ARU-ND	Op Amp Quad Rail-to-Rail In/Out	14-TSSOP	4.16	3.33	2.59
AD8608ARUZ	AD8608ARUZ-ND	Op Amp Quad Rail-to-Rail In/Out*	14-TSSOP	4.16	3.33	2.59
AD8609AR	AD8609AR-ND	Op Amp Quad Rail-to-Rail CMOS	14-SOIC	4.88	3.91	3.04
AD8609ARZ	AD8609ARZ-ND	Op Amp Quad Rail-to-Rail CMOS*	14-SOIC	4.88	3.91	3.04
AD8609ARU	AD8609ARU-ND	Op Amp Quad Rail-to-Rail CMOS	14-TSSOP	4.88	3.91	3.04
AD8609ARUZ	AD8609ARUZ-ND	Op Amp Quad Rail-to-Rail CMOS*	14-TSSOP	4.88	3.91	3.04
AD8614ART-REEL7	AD8614ART-REEL7CT-ND	Op Amp Single Rail-to-Rail for LCD	SOT-23-5	2.48	1.98	1.49
AD8614ARTZ-REEL7	AD8614ARTZ-REEL7CT-ND	Op Amp Single Rail-to-Rail for LCD*	SOT-23-5	2.48	1.98	1.49
AD8614ARTZ-REEL7	AD8614ARTZ-REEL7TR-ND	Op Amp Single Rail-to-Rail for LCD*	SOT-23-5		3801.00/3,000	
AD8648ARUZ	AD8648ARUZ-ND	Amp Quad 24MHz Rail-to-Rail*	14-TSSOP	2.48	1.98	1.54
AD8648ARZ	AD8648ARZ-ND	Amp Quad 24MHz Rail-to-Rail*	14-SOIC	2.48	1.98	1.54
AD8666ARZ	AD8666ARZ-ND	Op Amp 16V, 4MHz R-R* **NEW!**	8-SOIC	2.38	1.90	1.43
AD8668ARUZ	AD8668ARUZ-ND	Op Amp 16V, 4MHz R-R* **NEW!**	14-TSSOP	4.12	3.30	2.57
AD8668ARZ	AD8668ARZ-ND	Op Amp 16V, 4MHz R-R* **NEW!**	14-SOIC	4.12	3.30	2.57
AD9631ANZ	AD9631ANZ-ND	Op Amp Voltage-Feedback*	8-Dip	8.66	6.93	5.85
AD9632AR	AD9632AR-ND	Op Amp Voltage-Feedback	8-SOIC	8.34	6.68	5.63
AD9632ARZ	AD9632ARZ-ND	Op Amp Voltage-Feedback*	8-SOIC	8.34	6.68	5.63
ADA4851-1YRJZ-R2	ADA4851-1YRJZR2CT-ND	Op Amp High Speed Rail-to-Rail*	SOT-23-6	1.73	1.38	1.04
ADA4851-1YRJZ-R2	ADA4851-1YRJZR2TR-ND	Op Amp High Speed Rail-to-Rail*	SOT-23-6		241.50/250	
ADA4851-4YRUZ	ADA4851-4YRUZ-ND	Op Amp High Speed Rail-to-Rail*	14-TSSOP	3.06	2.45	1.91
ADA4853-1AKSZ-R2	ADA4853-1AKSZ-R2CT-ND	Op Amp Video, Rail-to-Rail Out*	SC70-6	1.73	1.38	1.04
ADA4853-1AKSZ-R2	ADA4853-1AKSZ-R2TR-ND	Op Amp Video, Rail-to-Rail Out*	SC70-6		241.50/250	
ADA4941-1YRZ	ADA4941-1YRZ-ND	Single Supply Differential 18-Bit ADC Driver* **NEW!**	8-SOIC	5.62	4.50	3.80
OP11EPZ	OP11EPZ-ND	Op Amp Quad 741-Type*	14-Dip	9.31	8.39	7.44
OP11GPZ	OP11GPZ-ND	Op Amp Quad 741-Type*	14-Dip	5.33	4.27	3.32
OP179GRTZ-REEL7	OP179GRTZ-REEL7CT-ND	Op Amp Rail-to-Rail In/Out*	SOT-23-5	1.30	1.04	.78
OP179GRTZ-REEL7	OP179GRTZ-REEL7TR-ND	Op Amp Rail-to-Rail In/Out*	SOT-23-5		1998.00/3,000	
OP183GS	OP183GS-ND	Op Amp 5MHz Low Noise	8-SOIC	3.48	2.79	2.35
OP183GSZ	OP183GSZ-ND	Op Amp 5MHz Low Noise*	8-SOIC	3.92	3.14	2.44
OP200EZ	OP200EZ-ND	Op Amp Dual Low Offset*	8-CDip	11.00	9.90	8.78
OP275GS-REEL7	OP275GS-REEL7CT-ND	Op Amp Dual Bipolar	8-SOIC	2.03	1.62	1.22
OP275GS-REEL7	OP275GS-REEL7TR-ND	Op Amp Dual Bipolar	8-SOIC		1053.00/1,000	
OP291GSZ	OP291GSZ-ND	Op Amp Dual Single Supply R-R*	8-SOIC	4.25	3.41	2.65
OP292GSZ	OP292GSZ-ND	Op Amp Quad Single Supply*	8-SOIC	3.02	2.42	1.88
OP293GSZ	OP293GSZ-ND	Op Amp Dual Micropower R-R*	8-SOIC	8.82	7.06	5.96
OP293FSZ	OP293FSZ-ND	Op Amp Dual Micropower R-R*	8-SOIC	4.52	3.62	2.82
OP293FSZ-REEL7	OP293FSZ-REEL7CT-ND	Op Amp Dual Micropower R-R*	8-SOIC	4.52	3.62	2.82
OP293FSZ-REEL7	OP293FSZ-REEL7TR-ND	Op Amp Dual Micropower R-R*	8-SOIC		2563.00/1,000	
OP295GPZ	OP295GPZ-ND	Op Amp Dual Rail-to-Rail*	8-Dip	4.07	3.26	2.54
OP295GS-REEL7	OP295GS-REEL7TR-ND	Op Amp Dual Rail-to-Rail	8-SOIC		2244.00/1,000	
OP295GSZ	OP295GSZ-ND	Op Amp Dual Rail-to-Rail*	8-SOIC	3.96	3.17	2.47
OP296GSZ	OP296GSZ-ND	Op Amp Dual R-R Low Power*	8-SOIC	3.56	2.85	2.22
OP400AY	OP400AY-ND	Op Amp Quad Low Offset	14-CDip	30.03	28.03	26.03
OP400EY	OP400EY-ND	Op Amp Quad Low Offset	14-CDip	15.83	14.25	12.64
OP400FY	OP400FY-ND	Op Amp Quad Low Offset	14-CDip	10.71	9.65	8.56
OP400GPZ	OP400GPZ-ND	Op Amp Quad Low Offset*	14-Dip	8.78	7.03	5.93
OP400GSZ	OP400GSZ-ND	Op Amp Quad Low Offset*	16-SOIC	8.78	7.03	5.93
OP400HPZ	OP400HPZ-ND	Op Amp Quad Low Offset*	14-Dip	9.56	7.65	6.46
OP400HSZ	OP400HSZ-ND	Op Amp Quad Low Offset*	16-SOIC	9.56	7.65	6.46
OP492GSZ	OP492GSZ-ND	Op Amp Quad Single Supply*	14-SOIC	5.24	4.20	3.27
OP495GSZ	OP495GSZ-ND	Op Amp Quad Rail-to-Rail*	16-SOIC	7.78	6.23	5.26
SMP04EPZ	SMP04EPZ-ND	Amp Quad Sample-Hold*	16-Dip	9.10	8.19	7.27
SMP04ES	SMP04ES-ND	Amp Quad Sample-Hold	16-SOIC	9.20	8.28	7.35
SMP04ESZ	SMP04ESZ-ND	Amp Quad Sample-Hold*	16-SOIC	9.20	8.28	7.35
SMP08FS	SMP08FS-ND	Amp Octal Sample-Hold	16-SOIC	13.23	11.91	10.57
SMP08FSZ	SMP08FSZ-ND	Amp Octal Sample-Hold*	16-SOIC	13.23	11.91	10.57
		High-Speed				
AD585AQ	AD585AQ-ND	Prec. Sample and Hold Amp Mono HS	14-Dip	24.75	23.10	21.45
AD810AN	AD810AN-ND	Current-Feedback Amp Video LP	8-Dip	4.93	3.95	3.07
AD810ANZ	AD810ANZ-ND	Current-Feedback Amp Video LP*	8-Dip	4.93	3.95	3.07
AD810AR	AD810AR-ND	Current-Feedback Amp Video LP	8-SOIC	4.93	3.95	3.07
AD810ARZ	AD810ARZ-ND	Current-Feedback Amp Video LP*	8-SOIC	4.93	3.95	3.07
AD811AN	AD811AN-ND	Current-Feedback Amp Video HS	8-Dip	7.68	6.15	5.19
AD811ANZ	AD811ANZ-ND	Current-Feedback Amp Video HS*	8-Dip	7.68	6.15	5.19
AD811AR-16	AD811AR-16-ND	Current-Feedback Amp Video HS	16-SOIC	8.44	6.76	5.70
AD811ARZ-16	AD811ARZ-16-ND	Current-Feedback Amp Video HS*	16-SOIC	8.44	6.76	5.70
AD811JRZ	AD811JRZ-ND	Current-Feedback Amp Video HS*	8-SOIC	7.68	6.15	5.19
AD812AN	AD812AN-ND	Current-Feedback Amp Dual LP	8-Dip	5.84	4.68	3.95
AD812ARZ	AD812ARZ-ND	Current-Feedback Amp Dual LP*	8-SOIC	5.84	4.68	3.95
AD826ANZ	AD826ANZ-ND	Volt.-Feedback Amp Dual HS*	8-Dip	4.97	3.98	3.10
AD826ARZ	AD826ARZ-ND	Volt.-Feedback Amp Dual HS*	8-SOIC	4.97	3.98	3.10
AD827SQ	AD827SQ-ND	Op Amp HS Dual LP	8-CDip	30.14	28.13	26.12
AD829AR	AD829AR-ND	Video Op Amp Low Noise HS	8-SOIC	5.33	4.27	3.32
AD829ARZ	AD829ARZ-ND	Video Op Amp Low Noise HS*	8-SOIC	5.33	4.27	3.32
AD829JNZ	AD829JNZ-ND	Video Op Amp Low Noise HS*	8-Dip	5.60	4.48	3.78
AD829JR	AD829JR-ND	Video Op Amp Low Noise HS	8-SOIC	5.60	4.48	3.78
AD829JR-REEL7	AD829JR-REEL7TR-ND	Video Op Amp Low Noise HS	8-SOIC		2667.00/750	
AD829JRZ	AD829JRZ-ND	Video Op Amp Low Noise HS*	8-SOIC	5.60	4.48	3.78
AD843JRZ-16	AD843JRZ-16-ND	34MHz, CBFET Fast Settling Op Amp*	16-SOIC	9.42	7.54	6.36
AD844ANZ	AD844ANZ-ND	Op Amp Mono 60MHz*	8-Dip	5.82	4.66	3.93
AD844JR-16	AD844JR-16-ND	Op Amp Mono 60MHz	16-SOIC	6.68	5.35	4.51
AD844JRZ-16	AD844JRZ-16-ND	Op Amp Mono 60MHz*	16-SOIC	6.68	5.35	4.51
AD847AQ	AD847AQ-ND	Op Amp Mono 50MHz High Speed	8-CDip	7.60	6.08	5.13
AD847AR	AD847AR-ND	Op Amp Mono 50MHz High Speed	8-SOIC	5.82	4.66	3.93
AD847ARZ	AD847ARZ-ND	Op Amp Mono 50MHz High Speed*	8-SOIC	5.82	4.66	3.93
AD847JN	AD847JN-ND	Op Amp Mono 50MHz High Speed	8-Dip	5.28	4.23	3.57
AD847JNZ	AD847JNZ-ND	Op Amp Mono 50MHz High Speed*	8-Dip	5.28	4.23	3.57
AD847JRZ	AD847JRZ-ND	Op Amp Mono 50MHz High Speed*	8-SOIC	6.60	5.28	4.46
AD848JNZ	AD848JNZ-ND	Op Amp Mono 175MHz High Speed*	8-Dip	5.34	4.28	3.61
AD848JRZ	AD848JRZ-ND	Op Amp Mono 175MHz High Speed*	8-SOIC	5.34	4.28	3.61
AD8000YCPZ-R2	AD8000YCPZ-R2CT-ND	Op Amp 1.5GHz Ultrahigh HS*	8-LFCSP		4.73	3.78
AD8000YCPZ-R2	AD8000YCPZ-R2TR-ND	Op Amp 1.5GHz Ultrahigh HS*	8-LFCSP		698.25/250	
AD8000YRDZ	AD8000YRDZ-ND	Op Amp 1.5GHz Ultrahigh HS*	8-SOIC	4.07	3.26	2.54
AD8001AN	AD8001AN-ND	Current-Feedback Amp, 800MHz	8-Dip	6.50	5.20	4.39
AD8001ANZ	AD8001ANZ-ND	Current-Feedback Amp, 800MHz*	8-Dip	6.50	5.20	4.39
AD8001AR	AD8001AR-ND	Current-Feedback Amp, 800MHz	8-SOIC	6.50	5.20	4.39
AD8001ART2-REEL7	AD8001ART2REEL7CT-ND	Current-Feedback Amp, 800MHz*	SOT-23-5	3.04	2.43	1.89
AD8001ART2-REEL7	AD8001ART2REEL7TR-ND	Current-Feedback Amp, 800MHz*	SOT-23-5		5103.00/3,000	
AD8001ART2-R2	AD8001ART2-R2CT-ND	Current-Feedback Amp, 800MHz*	SOT-23-5	3.04	2.43	1.89
AD8001ART2-R2	AD8001ART2-R2TR-ND	Current-Feedback Amp, 800MHz*	SOT-23-5		449.00/250	
AD8002AR	AD8002AR-ND	Current-Feedback Amp Dual, 600MHz	8-SOIC	6.48	5.19	4.38
AD8002ARZ	AD8002ARZ-ND	Current-Feedback Amp Dual, 600MHz*	8-SOIC	6.48	5.19	4.38
AD8002ARMZ	AD8002ARMZ-ND	Current-Feedback Amp Dual, 600MHz*	8-MSOP	5.58	4.55	3.84
AD8004ANZ	AD8004ANZ-ND	Current-Feedback Amp Quad*	14-Dip	9.30	7.44	6.28
AD8004AR-14	AD8004AR-14-ND	Current-Feedback Amp Quad	14-SOIC	9.30	7.44	6.28
AD8004ARZ-14	AD8004ARZ-14-ND	Current-Feedback Amp Quad*	14-SOIC	9.30	7.44	6.28
AD8007AKS-REEL7	AD8007AKS-REEL7CT-ND	Current-Feedback Amp, 650MHz	SC70-5	2.68	2.15	1.67
AD8007AKS-REEL7	AD8007AKS-REEL7TR-ND	Current-Feedback Amp, 650MHz	SC70-5		4497.00/3,000	
AD8007AR	AD8007AR-ND	Current-Feedback Amp, 650MHz	8-SOIC	3.15	2.52	1.96
AD8007ARZ	AD8007ARZ-ND	Current-Feedback Amp, 650MHz*	8-SOIC	3.15	2.52	1.96
AD8008ARZ	AD8008ARZ-ND	Current-Feedback Amp Dual*	8-SOIC	5.27	4.22	3.28
AD8008ARM	AD8008ARM-ND	Current-Feedback Amp Dual	8-MSOP	5.27	4.22	3.28
AD8008ARMZ	AD8008ARMZ-ND	Current-Feedback Amp Dual*	8-MSOP	5.27	4.22	3.28
AD8009AR	AD8009AR-ND	Current-Feedback Amp 1GHz	8-SOIC	4.21	3.37	2.62
AD8009ARZ	AD8009ARZ-ND	Current-Feedback Amp 1GHz*	8-SOIC	4.21	3.37	2.62
AD8009AR-REEL7	AD8009AR-REEL7CT-ND	Current-Feedback Amp 1GHz	8-SOIC	4.21	3.37	2.62
AD8009AR-REEL7	AD8009AR-REEL7TR-ND	Current-Feedback Amp 1GHz	8-SOIC		1823.25/750	
AD8009JRT-REEL7	AD8009JRT-REEL7CT-ND	Current-Feedback Amp 1GHz	SOT-23-5	3.58	2.87	2.22
AD8009JRT-REEL7	AD8009JRT-REEL7TR-ND	Current-Feedback Amp 1GHz	SOT-23-5		6009.00/3,000	
AD8009JRTZ-R2	AD8009JRTZ-R2CT-ND	Current-Feedback Amp 1GHz*	SOT-23-5	5.04	4.04	3.14
AD8009JRTZ-R2	AD8009JRTZ-R2TR-ND	Current-Feedback Amp 1GHz*	SOT-23-5		744.75/250	
AD8010AN	AD8010AN-ND	Op Amp Low Power High Speed	8-Dip	6.12	4.90	4.14
AD8010AR	AD8010AR-ND	Op Amp Low Power High Speed	8-SOIC	6.12	4.90	4.14
AD8010ARZ	AD8010ARZ-ND	Op Amp Low Power High Speed*	8-SOIC	6.12	4.90	4.14
AD8011AN	AD8011AN-ND	Current-Feedback Amp, 300MHz	8-Dip	4.86	3.88	3.03

* RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD8011ANZ	AD8011ANZ-ND	Current-Feedback Amp, 300MHz*	8-Dip	4.86	3.89	3.03
AD8011AR	AD8011AR-ND	Current-Feedback Amp, 300MHz	8-SOIC	4.86	3.89	3.03
AD8011ARZ	AD8011ARZ-ND	Current-Feedback Amp, 300MHz*	8-SOIC	4.86	3.89	3.03
AD8011AR-REEL7	AD8011AR-REEL7CT-ND	Current-Feedback Amp, 300MHz	8-SOIC	4.86	3.89	3.03
AD8011AR-REEL7	AD8011AR-REEL7TR-ND	Current-Feedback Amp, 300MHz	8-SOIC	2106.00/750		
AD8012AR	AD8012AR-ND	Current-Feedback Dual Amp, 350MHz	8-SOIC	5.54	4.43	3.45
AD8012ARZ	AD8012ARZ-ND	Current-Feedback Dual Amp, 350MHz*	8-SOIC	5.54	4.43	3.45
AD8013AR-14	AD8013AR-14-ND	Op Amp Single Supply	14-SOIC	9.70	7.76	6.55
AD8021ARZ	AD8021ARZ-ND	Voltage-Feedback Amp, 200MHz HS*	8-SOIC	3.42	2.74	2.13
AD8021ARM	AD8021ARM-ND	Voltage-Feedback Amp, 200MHz HS	8-MSOP	3.42	2.74	2.13
AD8021ARMZ	AD8021ARMZ-ND	Voltage-Feedback Amp, 200MHz HS*	8-MSOP	3.42	2.74	2.13
AD8022ARZ	AD8022ARZ-ND	Op Amp Dual HS Low Noise*	8-SOIC	5.10	4.08	3.45
AD8024AR	AD8024AR-ND	Amp Quad 24V 350MHz	16-SOIC	8.08	6.47	5.46
AD8024ARZ	AD8024ARZ-ND	Amp Quad 24V 350MHz*	16-SOIC	8.08	6.47	5.46
AD8027ARZ	AD8027ARZ-ND	Op Amp R-R In/Out High-Speed*	8-SOIC	3.15	2.52	1.96
AD8027ART-R2	AD8027ART-R2CT-ND	Op Amp R-R In/Out High-Speed	SOT-23-6	2.70	2.16	1.68
AD8027ARTZ-R2	AD8027ARTZ-R2CT-ND	Op Amp R-R In/Out High-Speed*	SOT-23-6	2.70	2.16	1.68
AD8027ARTZ-R2	AD8027ARTZ-R2TR-ND	Op Amp R-R In/Out High-Speed*	SOT-23-6	399.00/250		
AD8027ART-REEL7	AD8027ART-REEL7CT-ND	Op Amp R-R In/Out High-Speed*	SOT-23-6	2.68	2.15	1.67
AD8027ART-REEL7	AD8027ART-REEL7TR-ND	Op Amp R-R In/Out High-Speed*	SOT-23-6	4497.00/3,000		
AD8028ARM	AD8028ARM-ND	Op Amp R-R In/Out High-Speed	10-MSOP	5.00	4.00	3.11
AD8028ARMZ	AD8028ARMZ-ND	Op Amp R-R In/Out High-Speed*	10-MSOP	5.00	4.00	3.11
AD8028ARZ	AD8028ARZ-ND	Op Amp R-R In/Out High-Speed*	8-SOIC	5.00	4.00	3.11
AD8029AKS-R2	AD8029AKS-R2CT-ND	Op Amp R-R In/Out High-Speed LP	SC70-6	2.70	2.16	1.68
AD8029AKS-R2	AD8029AKS-R2TR-ND	Op Amp R-R In/Out High-Speed LP	SC70-6	399.00/250		
AD8029AKSZ-R2	AD8029AKSZ-R2CT-ND	Op Amp R-R In/Out High-Speed LP*	SC70-6	2.70	2.16	1.68
AD8029AKSZ-R2	AD8029AKSZ-R2TR-ND	Op Amp R-R In/Out High-Speed LP*	SC70-6	399.00/250		
AD8030AR	AD8030AR-ND	Op Amp R-R In/Out High-Speed LP	8-SOIC	3.17	2.54	1.98
AD8030ARZ	AD8030ARZ-ND	Op Amp R-R In/Out High-Speed LP*	8-SOIC	3.17	2.54	1.98
AD8030ARJZ-REEL7	AD8030ARJZ-REEL7CT-ND	Op Amp Dual R-R In/Out HS LP*	SOT-23-8	2.70	2.16	1.68
AD8030ARJZ-REEL7	AD8030ARJZ-REEL7TR-ND	Op Amp Dual R-R In/Out HS LP*	SOT-23-8	4536.00/3,000		
AD8031ARZ	AD8031ARZ-ND	Voltage-Feedback Amp Single R-R*	8-SOIC	2.86	2.29	1.78
AD8031ARTZ-REEL7	AD8031ARTZ-REEL7CT-ND	Voltage-Feedback Amp Single R-R*	SOT-23-5	2.52	2.02	1.57
AD8031ARTZ-REEL7	AD8031ARTZ-REEL7TR-ND	Voltage-Feedback Amp Single R-R*	SOT-23-5	4232.00/3,000		
AD8031BNZ	AD8031BNZ-ND	Voltage-Feedback Amp Single R-R*	8-Dip	4.79	3.84	2.99
AD8031BR	AD8031BR-ND	Voltage-Feedback Amp Single R-R	8-SOIC	4.79	3.84	2.99
AD8031BRZ	AD8031BRZ-ND	Voltage-Feedback Amp Single R-R*	8-SOIC	4.79	3.84	2.99
AD8032ANZ	AD8032ANZ-ND	Voltage-Feedback Amp Dual R-R*	8-Dip	4.43	3.55	2.76
AD8032AR	AD8032AR-ND	Voltage-Feedback Amp Dual R-R	8-SOIC	4.43	3.55	2.76
AD8032ARMZ	AD8032ARMZ-ND	Voltage-Feedback Amp Dual R-R*	8-MSOP	4.43	3.55	2.76
AD8032ARZ	AD8032ARZ-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	4.43	3.55	2.76
AD8032BNZ	AD8032BNZ-ND	Voltage-Feedback Amp Dual R-R*	8-Dip	6.18	4.95	4.18
AD8032BR	AD8032BR-ND	Voltage-Feedback Amp Dual R-R	8-SOIC	6.18	4.95	4.18
AD8032BRZ-REEL7	AD8032BRZ-REEL7CT-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	6.18	4.95	4.18
AD8032BRZ-REEL7	AD8032BRZ-REEL7TR-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	2943.00/750		
AD8033AKS-R2	AD8033AKS-R2CT-ND	Voltage-Feedback Amp Single	SC-70	3.78	3.03	2.36
AD8033AKS-R2	AD8033AKS-R2TR-ND	Voltage-Feedback Amp Single	SC-70	558.50/250		
AD8033AR	AD8033AR-ND	Voltage-Feedback Amp Single	8-SOIC	2.81	2.25	1.75
AD8033ARZ	AD8033ARZ-ND	Voltage-Feedback Amp Single*	8-SOIC	2.81	2.25	1.75
AD8034ARZ	AD8034ARZ-ND	Voltage-Feedback Amp Dual*	8-SOIC	4.21	3.37	2.62
AD8036AR	AD8036AR-ND	Voltage-Feedback Clamp Amp	8-SOIC	8.40	7.56	6.71
AD8037AN	AD8037AN-ND	Volt.-Feedback Amp Output Clamping	8-Dip	9.70	7.76	6.55
AD8037ARZ	AD8037ARZ-ND	Volt.-Feedback Amp Output Clamping* **NEW!**	8-Dip	9.70	7.76	6.55
AD8037ARZ	AD8037ARZ-ND	Volt.-Feedback Amp Output Clamping*	8-SOIC	9.70	7.76	6.55
AD8038ARZ	AD8038ARZ-ND	Voltage-Feedback Amp 350MHz Low Power*	8-SOIC	2.25	1.80	1.40
AD8039AR	AD8039AR-ND	Voltage-Feedback Amp 350MHz LP	8-SOIC	3.17	2.54	1.98
AD8039ARZ	AD8039ARZ-ND	Voltage-Feedback Amp 350MHz LP*	8-SOIC	3.17	2.54	1.98
AD8039ART-REEL7	AD8039ART-REEL7CT-ND	Voltage-Feedback Amp 350MHz LP	SOT-23-8	2.70	2.16	1.68
AD8039ART-REEL7	AD8039ART-REEL7TR-ND	Voltage-Feedback Amp 350MHz LP	SOT-23-8	4536.00/3,000		
AD8039ARTZ-REEL7	AD8039ARTZ-REEL7CT-ND	Volt.-Feedback Amp 350MHz LP*	SOT-23-8	2.70	2.16	1.68
AD8039ARTZ-REEL7	AD8039ARTZ-REEL7TR-ND	Volt.-Feedback Amp 350MHz LP*	SOT-23-8	4536.00/3,000		
AD8040AR	AD8040AR-ND	Low Power, HS, R-R In/Out Amp	14-SOIC	4.23	3.39	2.64
AD8040ARZ	AD8040ARZ-ND	Low Power, HS, R-R In/Out Amp*	14-SOIC	4.23	3.39	2.64
AD8041AN	AD8041AN-ND	Voltage-Feedback Amp with Disable	8-Dip	3.76	3.01	2.34
AD8041ANZ	AD8041ANZ-ND	Voltage-Feedback Amp with Disable*	8-Dip	3.76	3.01	2.34
AD8041ARZ	AD8041ARZ-ND	Voltage-Feedback Amp with Disable*	8-SOIC	3.76	3.01	2.34
AD8042ARZ	AD8042ARZ-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	5.13	4.11	3.20
AD8047ARZ	AD8047ARZ-ND	Voltage-Feedback Amp R-R*	8-SOIC	4.86	3.89	3.03
AD8051ARZ	AD8051ARZ-ND	Voltage-Feedback Amp Single HS*	8-SOIC	2.13	1.70	1.28
AD8051ART-REEL7	AD8051ART-REEL7CT-ND	Voltage-Feedback Amp Single HS	SOT-23-5	2.13	1.70	1.28
AD8051ART-REEL7	AD8051ART-REEL7TR-ND	Voltage-Feedback Amp Single HS	SOT-23-5	3264.00/3,000		
AD8052ARZ	AD8052ARZ-ND	Voltage-Feedback Amp Dual HS*	8-SOIC	3.65	2.92	2.27
AD8052ARMZ	AD8052ARMZ-ND	Voltage-Feedback Amp Dual HS*	8-MSOP	3.65	2.92	2.27
AD8054AR-REEL7	AD8054AR-REEL7CT-ND	Voltage-Feedback Amp Quad HS	14-SOIC	5.76	4.61	3.89
AD8054AR-REEL7	AD8054AR-REEL7TR-ND	Voltage-Feedback Amp Quad HS	14-SOIC	2743.50/750		
AD8054ARZ	AD8054ARZ-ND	Voltage-Feedback Amp Quad HS*	14-SOIC	5.76	4.61	3.89
AD8054ARUZ	AD8054ARUZ-ND	Voltage-Feedback Amp Quad HS*	14-TSSOP	6.06	4.85	4.10
AD8055AN	AD8055AN-ND	Voltage-Feedback Amp Single	8-Dip	2.15	1.72	1.29
AD8055ANZ	AD8055ANZ-ND	Voltage-Feedback Amp Single*	8-Dip	2.15	1.72	1.29
AD8055ARZ	AD8055ARZ-ND	Voltage-Feedback Amp Single*	8-SOIC	2.15	1.72	1.29
AD8055ART-REEL7	AD8055ART-REEL7CT-ND	Voltage-Feedback Amp Single	SOT-23-5	1.83	1.46	1.10
AD8055ARTZ-REEL7	AD8055ARTZ-REEL7CT-ND	Voltage-Feedback Amp Single*	SOT-23-5	1.83	1.46	1.10
AD8055ARTZ-REEL7	AD8055ARTZ-REEL7TR-ND	Voltage-Feedback Amp Single*	SOT-23-5	2802.00/3,000		
AD8056AR	AD8056AR-ND	Voltage-Feedback Amp Dual	8-SOIC	3.65	2.92	2.27
AD8056AR-REEL	AD8056AR-REEL7TR-ND	Voltage-Feedback Amp Dual	8-SOIC	1579.50/750		
AD8056ARMZ	AD8056ARMZ-ND	Voltage-Feedback Amp Dual*	8-MSOP	3.65	2.92	2.27
AD8057AR	AD8057AR-ND	Voltage-Feedback Amp Single*	8-SOIC	2.15	1.72	1.29
AD8058ARZ	AD8058ARZ-ND	Voltage-Feedback Amp Dual*	8-SOIC	3.65	2.92	2.27
AD8061ART-REEL7	AD8061ART-REEL7CT-ND	Voltage-Feedback Amp R-R	SOT-23-5	1.83	1.46	1.10
AD8061ART-REEL7	AD8061ART-REEL7TR-ND	Voltage-Feedback Amp R-R	SOT-23-5	2802.00/3,000		
AD8062AR	AD8062AR-ND	Volt.-Feedback Amp R-R Out	8-SOIC	3.65	2.92	2.27
AD8062ARZ	AD8062ARZ-ND	Volt.-Feedback Amp R-R Out*	8-SOIC	3.65	2.92	2.27
AD8062ARM	AD8062ARM-ND	Voltage-Feedback Amp R-R Out	8-MSOP	3.65	2.92	2.27
AD8062ARMZ-R7	AD8062ARMZ-R7CT-ND	Voltage-Feedback Amp R-R Out*	8-MSOP	3.65	2.92	2.27
AD8062ARMZ-R7	AD8062ARMZ-R7TR-ND	Voltage-Feedback Amp R-R Out*	8-MSOP	2062.50/1,000		
AD8065ARZ	AD8065ARZ-ND	Voltage-Feedback Amp Single HS*	8-SOIC	4.21	3.37	2.62
AD8065ART-REEL7	AD8065ART-REEL7CT-ND	Voltage-Feedback Amp Single HS*	SOT-23	3.58	2.87	2.23
AD8065ART-REEL7	AD8065ART-REEL7TR-ND	Voltage-Feedback Amp Single HS*	SOT-23	6009.00/3,000		
AD8066ARZ	AD8066ARZ-ND	Voltage-Feedback Amp Dual HS*	8-SOIC	5.38	4.31	3.64
AD8066ARMZ	AD8066ARMZ-ND	Voltage-Feedback Amp Dual HS*	8-MSOP	5.38	4.31	3.64
AD8067ART-R2	AD8067ART-R2CT-ND	Amp FET-In High Performance	SOT-23-5	6.46	5.17	4.37
AD8067ART-R2	AD8067ART-R2TR-ND	Amp FET-In High Performance	SOT-23-5	1049.75/250		

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD8067ART-REEL7	AD8067ART-REEL7CT-ND	Amp FET-In High Performance	SOT-23-5	5.15	4.13	3.21
AD8067ART-REEL7	AD8067ART-REEL7TR-ND	Amp FET-In High Performance	SOT-23-5	9655.00/3,000		
AD8091AR	AD8091AR-ND	Voltage-Feedback Amp Single R-R	8-SOIC	2.03	1.62	1.22
AD8092AR	AD8092AR-ND	Voltage-Feedback Amp Dual R-R	8-SOIC	2.63	2.10	1.58
AD8092ARMZ	AD8092ARMZ-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	2.36	1.89	1.47
AD8092ARZ	AD8092ARZ-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	2.63	2.10	1.58
AD8092ARZ-REEL7	AD8092ARZ-REEL7CT-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	2.36	1.89	1.47
AD8092ARZ-REEL7	AD8092ARZ-REEL7TR-ND	Voltage-Feedback Amp Dual R-R*	8-SOIC	1339.00/1,000		
AD8099ACP-R2	AD8099ACP-R2CT-ND	Voltage-Feedback HS Op Amp	8-LFCSP	5.60	4.48	3.78
AD8099ACP-R2	AD8099ACP-R2TR-ND	Voltage-Feedback HS Op Amp	8-LFCSP	910.00/250		
AD8099ACPZ-R2	AD8099ACPZ-R2-ND	Voltage-Feedback HS Op Amp*	8-LFCSP	5.60	4.48	3.78
AD8099ARD	AD8099ARD-ND	Voltage-Feedback HS Op Amp	8-SOIC	5.24	4.20	3.27
AD8099ARDZ	AD8099ARDZ-ND	Voltage-Feedback HS Op Amp*	8-SOIC	5.24	4.20	3.27
AD8132AR	AD8132AR-ND	Differential Amp 350MHz HS	8-SOIC	4.39	3.51	2.73
AD8132ARZ	AD8132ARZ-ND	Differential Amp 350MHz HS*	8-SOIC	4.39	3.51	2.73
AD8132ARMZ	AD8132ARMZ-ND	Differential Amp 350MHz HS*	8-MSOP	4.39	3.51	2.73
AD8137YR	AD8137YR-ND	Differential 12-Bit ADC Driver	8-SOIC	2.56	2.05	1.73
AD8137YRZ	AD8137YRZ-ND	Differential 12-Bit ADC Driver*	8-SOIC	2.56	2.05	1.73
AD8138ARZ	AD8138ARZ-ND	Diff. ADC Driver Low Distortion*	8-SOIC	8.50	6.80	5.74
AD8138ARMZ	AD8138ARMZ-ND	Diff. ADC Driver Low Distortion*	8-MSOP	8.50	6.80	5.74
AD8139ARD	AD8139ARD-ND	Differential LN R-R ADC Driver	8-SOIC	8.44	6.76	5.70
AD8139ARDZ	AD8139ARDZ-ND	Differential LN R-R ADC Driver*	8-SOIC	8.44	6.76	5.70
AD8644ARZ	AD8644ARZ-ND	Op Amp 16V Quad 5.5MHz*	14-SOIC	4.75	3.80	2.96
AD9631ARZ	AD9631ARZ-ND	Voltage-Feedback Op Amp WB*	8-SOIC	8.66	6.93	5.85
ADA4850-1YCPZ-R2	ADA4850-1YCPZ-R2CT-ND	Op Amp HS Rail-to-Rail Out*	8-LFCSP	1.73	1.39	1.04
ADA4850-1YCPZ-R2	ADA4850-1YCPZ-R2TR-ND	Op Amp HS Rail-to-Rail Out*	8-LFCSP	241.50/250		
ADA4850-2YCPZ-R2	ADA4850-2YCPZ-R2CT-ND	Op Amp HS Rail-to-Rail Out*	16-LFCSP	2.15	1.72	1.29
ADA4850-2YCPZ-R2	ADA4850-2YCPZ-R2TR-ND	Op Amp HS Rail-to-Rail Out*	16-LFCSP	301.00/250		
OP42FZ	OP42FZ-ND	Op Amp Precision HS Fast Set*	8-CDip	6.46	5.17	4.37
OP42GPZ	OP42GPZ-ND	Op Amp Precision HS Fast Set*	8-Dip	4.37	3.50	2.72
OP42GS	OP42GS-ND	Op Amp Precision HS Fast Set	8-SOIC	4.37	3.50	2.72
OP42GSZ	OP42GSZ-ND	Op Amp Precision HS Fast Set*	8-SOIC	4.37	3.50	2.72
OP1620GSZ	OP1620GSZ-ND	Op Amp 15MHz R-R*	8-SOIC	3.20	2.56	1.99
OP249AZ	OP249AZ-ND	Op Amp Dual JFET Precision HS*	8-CDip	16.31	14.69	13.03
OP249FZ	OP249FZ-ND	Op Amp Dual JFET Precision HS*	8-CDip	8.84	7.08	5.97
OP249GP	OP249GP-ND	Op Amp Dual JFET Precision HS	8-Dip	3.53	2.83	2.20
OP249GPZ	OP249GPZ-ND	Op Amp Dual JFET Precision HS*	8-Dip	3.53	2.83	2.20
OP249GS	OP249GS-ND	Op Amp Dual JFET Precision HS	8-SOIC	3.53	2.83	2.20
OP249GSZ	OP249GSZ-ND	Op Amp Dual JFET Precision HS*	8-SOIC	3.53	2.83	2.20
OP271GPZ	OP271GPZ-ND	Op Amp Dual High Speed*	8-Dip	5.11	4.09	3.18
OP462GSZ	OP462GSZ-ND	Op Amp Quad Rail-to-Rail HS*	14-SOIC	6.92	5.54	4.68
OP467GPZ	OP467GPZ-ND	Op Amp Quad Precision HS*	14-Dip	14.66	12.48	8.52
OP467GSZ	OP467GSZ-ND	Op Amp Quad Precision HS*	16-SOIC	11.48	10.34	9.17
OP482GPZ	OP482GPZ-ND	Op Amp Quad JFET HS LP*	14-Dip	4.21	3.37	2.62
OP482GSZ	OP482GSZ-ND	Op Amp Quad JFET HS LP*	14-SOIC	3.78	3.03	2.36

Instrumentation

AD521JD	AD521JD-ND	Instrumentation Amp Prog. Gain	14-Dip	29.66	27.68	25.71
AD524AD	AD524AD-ND	Instrumentation Amp Precision	16-Dip	16.08	15.01	13.94
AD524AR-16	AD524AR-16-ND	Instrumentation Amp Precision	16-SOIC	12.25	11.03	9.78
AD524ARZ-16	AD524ARZ-16-ND	Instrumentation Amp Precision*	16-SOIC	12.25	11.03	9.78
AD524BD	AD524BD-ND	Instrumentation Amp Precision	16-Dip	25.23	23.55	21.87
AD524CD	AD524CD-ND	Instrumentation Amp Precision	16-Dip	40.59	37.89	35.18
AD526BD	AD526BD-ND	Gain Amp Software Programmable	16-Dip	16.16	15.08	14.01
AD526JN	AD526JN-ND	Gain Amp Software Programmable	16-Dip	9.10	8.19	7.27
AD526JNZ	AD526JNZ-ND	Gain Amp Software Programmable*	16-Dip	9.10	8.19	7.27
AD595AD	AD595AD-ND	Thermocouple Instrumentation Amp	14-CDip	17.84	16.65	15.46
AD595CD	AD595CD-ND	Thermocouple Instrumentation Amp	14-CDip	27.23	25.41	23.60
AD620AN	AD620AN-ND	Instrumentation Amp Low Power	8-Dip	6.62	5.30	4.47
AD620ANZ	AD620ANZ-ND	Instrumentation Amp Low Power*	8-Dip	6.62	5.30	4.47
AD620AR-REEL7	AD620AR-REEL7TR-ND	Instrumentation Amp Low Power	8-SOIC	3153.00/750		
AD620ARZ	AD620ARZ-ND	Instrumentation Amp Low Power*	8-SOIC	6.62	5.30	4.47
AD620BN	AD620BN-ND	Instrumentation Amp Low Power	8-Dip	9.94	7.96	6.71
AD620BNZ	AD620BNZ-ND	Instrumentation Amp Low Power*	8-Dip	9.94	7.96	6.71
AD620BRZ	AD620BRZ-ND	Instrumentation Amp Low Power*	8-SOIC	9.94	7.96	6.71
AD620BR-REEL7	AD620BR-REEL7CT-ND	Instrumentation Amp Low Power	8-SOIC	9.94	7.96	6.71
AD620BR-REEL7	AD620BR-REEL7TR-ND	Instrumentation Amp Low Power	8-SOIC	4734.00/750		
AD621AN	AD621AN-ND	Instrumentation Amp LP Low Drift	8-Dip	7.74	6.20	5.23
AD621ANZ	AD621ANZ-ND	Instrumentation Amp LP Low Drift*	8-Dip	7.74	6.20	5.23
AD621AR	AD621AR-ND	Instrumentation Amp LP Low Drift	8-SOIC	7.74	6.20	5.23
AD621ARZ	AD621ARZ-ND	Instrumentation Amp LP Low Drift*	8-SOIC	7.74	6.20	5.23
AD621BN	AD621BN-ND	Instrumentation Amp LP Low Drift	8-Dip	9.68	8.72	7.73
AD621BNZ	AD621BNZ-ND	Instrumentation Amp LP Low Drift*	8-Dip	9.68	8.72	7.73
AD621BR	AD621BR-ND	Instrumentation Amp LP Low Drift	8-SOIC	9.68	8.72	7.73
AD621BRZ	AD621BRZ-ND	Instrumentation Amp LP Low Drift*	8-SOIC	9.68	8.72	7.73
AD622AN	AD622AN-ND	Instrumentation Amp	8-Dip	5.13	4.11	3.20
AD622ANZ	AD622ANZ-ND	Instrumentation Amp*	8-Dip	5.13	4.11	3.20
AD622AR	AD622AR-ND	Instrumentation Amp	8-SOIC	5.13	4.11	3.20
AD622ARZ	AD622ARZ-ND	Instrumentation Amp*	8-SOIC	5.13	4.11	3.20
AD622AR-REEL7	AD622AR-REEL7CT-ND	Instrumentation Amp	8-SOIC	5.13	4.11	3.20
AD622AR-REEL7	AD622AR-REEL7TR-ND	Instrumentation Amp	8-SOIC	2223.00/750		
AD623AN	AD623AN-ND	Instrumentation Amp	8-Dip	4.10	3.28	2.55
AD623ANZ	AD623ANZ-ND	Instrumentation Amp R-R Out*	8-Dip	4.10	3.28	2.55
AD623AR	AD623AR-ND	Instrumentation Amp R-R Out	8-SOIC	3.49	2.79	2.17
AD623ARZ	AD623ARZ-ND	Instrumentation Amp R-R Out*	8-SOIC	3.49	2.79	2.17
AD623AR-REEL7	AD623AR-REEL7TR-ND	Instrumentation Amp R-R Out	8-SOIC	1976.00/1,000		
AD623ARMZ	AD623ARMZ-ND	Instrumentation Amp R-R Out*	8-MSOP	3.49	2.79	2.17
AD623BR	AD623BR-ND	Instrumentation Amp R-R Out	8-SOIC	5.64	4.52	3.81
AD623BRZ	AD623BRZ-ND	Instrumentation Amp R-R Out*	8-SOIC	5.64	4.52	3.81
AD624AD	AD624AD-ND	Instrumentation Amp Precision LN	16-Dip	19.32	18.04	16.75
AD624BD	AD624BD-ND	Instrumentation Amp Precision LN	16-Dip	31.65	29.54	27.43
AD624CD	AD624CD-ND	Instrumentation Amp Precision LN	16-Dip	47.42	44.26	41.10
AD625AD	AD625AD-ND	Instrumentation Amp Prog. Gain	16-Dip	16.23	15.15	14.07
AD625BD	AD625BD-ND	Instrumentation Amp Prog. Gain	16-Dip	27.44	25.61	23.78
AD625JN	AD625JN-ND	Instrumentation Amp Prog. Gain	16-Dip	12.53	11.28	10.01
AD625JNZ	AD625JNZ-ND	Instrumentation Amp Prog. Gain*	16-Dip	12.53	11.28	10.01
AD625KN	AD625KN-ND	Instrumentation Amp Prog. Gain	16-Dip	15.99	14.93	13.86
AD625KNZ	AD625KNZ-ND	Instrumentation Amp Prog. Gain*	16-Dip	15.99	14.93	13.86
AD626AN	AD626AN-ND	Differential Amp True Single Supply	8-Dip	6.34	5.08	4.28
AD626ANZ	AD626ANZ-ND	Differential Amp True Single Supply*	8-Dip	6.34	5.08	4.28
AD626BNZ	AD626BNZ-ND	Differential Amp True Single Supply*	8-Dip	8.66	6.93	5.85
AD627AN	AD627AN-ND	Instrumentation Amp Single/Dual R-R	8-Dip	5.42	4.34	3.66

★ RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD627ANZ	AD627ANZ-ND	Instrumentation Amp Single/Dual R-R*	8-Dip	5.42	4.34	3.66
AD627ARZ	AD627ARZ-ND	Instrumentation Amp Single/ Dual R-R*	8-SOIC	5.42	4.34	3.66
AD627ARZ-R7	AD627ARZ-R7CT-ND	Instrumentation Amp Single/Dual R-R*	8-SOIC	5.42	4.34	3.66
AD627ARZ-R7	AD627ARZ-R7TR-ND	Instrumentation Amp Single/Dual R-R*	8-SOIC		3388.00/1,000	
AD627BR	AD627BR-ND	Instrumentation Amp Single/Dual R-R	8-SOIC	7.58	6.07	5.12
AD627BRZ	AD627BRZ-ND	Instrumentation Amp Single/ Dual R-R*	8-SOIC	7.58	6.07	5.12
AD628-EVAL	AD628-EVAL-ND	Evaluation Board for AD628 ***NEW!***		42.00	—	—
AD628AR	AD628AR-ND	Diff. Amp High-Common Mode Voltage Programmable	8-SOIC	4.34	3.48	2.71
AD628ARZ	AD628ARZ-ND	Diff. Amp High-Common Mode Voltage Programmable	8-SOIC	4.34	3.48	2.71
AD628ARM	AD628ARM-ND	Diff. Amp High-Common Mode Voltage Programmable	8-MSOP	4.34	3.48	2.71
AD628ARMZ	AD628ARMZ-ND	Diff. Amp High-Common Mode Voltage Programmable*	8-MSOP	4.34	3.48	2.71
AD629-EVAL	AD629-EVAL-ND	Evaluation Board for AD629 ***NEW!***		57.75	—	—
AD629AN	AD629AN-ND	Diff. Amp High-Common Mode Voltage	8-Dip	6.02	4.82	4.07
AD629ANZ	AD629ANZ-ND	Diff. Amp High-Common Mode Voltage*	8-Dip	6.02	4.82	4.07
AD629AR	AD629AR-ND	Diff. Amp High-Common Mode Volt.	8-SOIC	6.02	4.82	4.07
AD629ARZ	AD629ARZ-ND	Diff. Amp High-Common Mode Volt.*	8-SOIC	6.02	4.82	4.07
AD629BN	AD629BN-ND	Diff. Amp High-Common Mode Volt.	8-Dip	9.30	7.44	6.28
AD629BNZ	AD629BNZ-ND	Diff. Amp High-Common Mode Volt.*	8-Dip	9.30	7.44	6.28
AD629BR	AD629BR-ND	Diff. Amp High-Common Mode Volt.	8-SOIC	9.30	7.44	6.28
AD629BRZ	AD629BRZ-ND	Diff. Amp High-Common Mode Volt.*	8-SOIC	9.30	7.44	6.28
AD8220ARMZ	AD8220ARMZ-ND	JFET Input Instrumentation Amp* ***NEW!***	8-MSOP	5.58	4.47	3.77
AD8220-EVAL	AD8220-EVAL-ND	Evaluation Board for AD8220ARMZ* ***NEW!***		53.13	—	—
AD8220BRMZ	AD8220BRMZ-ND	JFET Input Instrumentation Amp* ***NEW!***	8-MSOP	8.52	6.82	5.76
AD8225-EVAL	AD8225-EVAL-ND	Evaluation Board for AD8225 ***NEW!***		66.67	—	—
AD8225AR	AD8225AR-ND	Instrument Amp Precision Gain of 5	8-SOIC	6.96	5.57	4.70
AD8225ARZ	AD8225ARZ-ND	Instrument Amp Precision Gain of 5*	8-SOIC	6.96	5.57	4.70
AD8230-EVAL	AD8230-EVAL-ND	Evaluation Board for AD8230 ***NEW!***		55.93	—	—
AD8230YRZ	AD8230YRZ-ND	16V, R-R, 0-Drift, Precision In-Amp*	8-SOIC	6.98	5.59	4.72
AD8553ARMZ-R2	AD8553ARMZ-R2CT-ND	1.8V-5V Auto Zero, In-Amp*	10-MSOP	3.85	3.08	2.40
AD8553ARMZ-R2	AD8553ARMZ-R2TR-ND	1.8V-5V Auto Zero, In-Amp*	10-MSOP		568.58/250	
AD8555ACPZ-R2	AD8555ACPZ-R2CT-ND	0-Drift, Digitally Programmable Sensor Signal Amp*	16-LFCSP	8.72	6.98	5.89
AD8555ACPZ-R2	AD8555ACPZ-R2TR-ND	0-Drift, Digitally Programmable Sensor Signal Amp*	16-LFCSP		1417.00/250	
AD8555AR-EVAL	AD8555AR-EVAL-ND	Evaluation Board for AD8555 ***NEW!***		68.80	—	—
AD8555AR	AD8555AR-ND	0-Drift, Digitally Programmable Sensor Signal Amp	8-SOIC	7.00	5.60	4.73
AD8555ARZ	AD8555ARZ-ND	0-Drift, Digitally Programmable Sensor Signal Amp*	8-SOIC	7.00	5.60	4.73
AMP01EX	AMP01EX-ND	Amp Instrument Precision LN	18-CDip	24.93	23.27	21.61
AMP01FX	AMP01FX-ND	Amp Instrument Precision LN	18-CDip	16.23	14.61	12.98
AMP01GS	AMP01GS-ND	Amp Instrument Precision LN	20-SOIC	14.58	13.13	11.64
AMP02EPZ	AMP02EPZ-ND	Amp Instrument Precision *	8-Dip	14.36	12.93	11.47
AMP02FPZ	AMP02FPZ-ND	Amp Instrument Precision *	8-Dip	8.61	7.76	6.88
AMP02FSZ	AMP02FSZ-ND	Amp Instrument Precision *	16-SOIC	8.61	7.76	6.88
AMP04EPZ	AMP04EPZ-ND	Amp Instrument Precision Single *	8-Dip	10.96	9.87	8.76
AMP04ESZ	AMP04ESZ-ND	Amp Instrument Precision Single *	8-SOIC	10.96	9.87	8.76
AMP04FPZ	AMP04FPZ-ND	Amp Instrument Precision Single *	8-Dip	9.38	7.51	6.34
AMP04FSZ	AMP04FSZ-ND	Amp Instrument Precision Single *	8-SOIC	9.38	7.51	6.34
Isolation						
AD202JN	AD202JN-ND	Isolated Amp 2-Port 2KHz	24-CDip	42.00	39.20	36.40
AD202JY	AD202JY-ND	Isolated Amp 2-Port 2KHz	38-Sip	42.00	39.20	36.40
AD202KN	AD202KN-ND	Isolated Amp 2-Port 2KHz	38-Dip	48.00	44.80	41.60
AD202KY	AD202KY-ND	Isolated Amp 2-Port 2KHz	38-Sip	48.00	44.80	41.60
AD203SN	AD203SN-ND	Isolated Amp 10KHz	38-Dip	130.68	121.97	113.26
AD204JN	AD204JN-ND	Isolated Amp 4-Channel	10-Dip	37.50	35.00	32.50
AD204JY	AD204JY-ND	Isolated Amp 2-Port 5KHz	38-Sip	37.50	35.00	32.50
AD210AN	AD210AN-ND	Isolated Amp 3-Port 20KHz	12-Dip	73.50	68.60	63.70
AD210BN	AD210BN-ND	Isolated Amp 3-Port 20KHz	12-Dip	88.50	82.60	76.70
AD210JN	AD210JN-ND	Isolated Amp 3-Port 20KHz	12-Dip	66.00	61.60	57.20
AD215BY	AD215BY-ND	Isolated Amp 120KHz	12-Sip	75.00	70.00	65.00
Line Driver						
AD815AR8-24	AD815AR8-24-ND	High Out Current Diff. Driver	24-SOIC	9.75	8.78	7.79
AD815ARBZ-24	AD815ARBZ-24-ND	High Out Current Diff. Driver* ***NEW!***	24-SOIC	9.75	8.78	7.79
AD8016ARE	AD8016ARE-ND	Amp XDSL Line Driver	28-TSSOP	8.30	6.64	5.61
AD8018AR-REEL7	AD8018AR-REEL7CT-ND	XDSL Line Driver Rail-to-Rail	8-SOIC	5.90	4.72	3.99
AD8018AR-REEL7	AD8018AR-REEL7TR-ND	XDSL Line Driver Rail-to-Rail	8-SOIC		3688.00/1,000	
AD8018ARZ	AD8018ARZ-ND	XDSL Line Driver Rail-to-Rail*	8-SOIC	5.90	4.72	3.99
AD45048AR	AD45048AR-ND	ADSL Line Driver Rail-to-Rail	8-SOIC	5.38	4.31	3.64
Log						
ADL5306ACP-R2	ADL5306ACP-R2CT-ND	Logarithmic Converter 60dB	16-LFCSP	8.60	7.74	6.87
ADL5306ACP-R2	ADL5306ACP-R2TR-ND	Logarithmic Converter 60dB	16-LFCSP		1644.75/250	
ADL5310ACP-R2	ADL5310ACP-R2CT-ND	Dual Logarithmic Converter 120dB	24-LFCSP	18.69	17.45	16.20
ADL5310ACP-R2	ADL5310ACP-R2TR-ND	Dual Logarithmic Converter 120dB	24-LFCSP		3971.75/250	
ADL5315ACPZ-R7	ADL5315ACPZ-R7CT-ND	Precision Wide Range High-Side Current Mirror* ***NEW!***	8-LFCSP	4.34	3.48	2.71
ADL5315ACPZ-R7	ADL5315ACPZ-R7TR-ND	Precision Wide Range High-Side Current Mirror* ***NEW!***	8-LFCSP		7296.00/3,000	
ADL5315-EVAL	ADL5315-EVAL-ND	Evaluation Board for ADL5315 ***NEW!***		148.50	—	—
Low Noise						
AD795JR	AD795JR-ND	Precision Op Amp FET LP LN	8-SOIC	6.60	5.28	4.46
AD795JRZ	AD795JRZ-ND	Precision Op Amp FET LP LN*	8-SOIC	6.60	5.28	4.46
AD797AN	AD797AN-ND	Op Amp Low Distortion LN	8-Dip	8.38	7.55	6.69
AD797ANZ	AD797ANZ-ND	Op Amp Low Distortion LN*	8-Dip	9.58	7.67	6.47
AD797ARZ	AD797ARZ-ND	Op Amp Low Distortion LN*	8-SOIC	9.58	7.67	6.47
AD797BRZ	AD797BRZ-ND	Op Amp Low Distortion LN*	8-SOIC	10.85	9.77	8.66
AD8350AR15-EVAL	AD8350AR15-EVAL-ND	Evaluation Board for AD8350 ***NEW!***		99.00	—	—
AD8350AR20	AD8350AR20-ND	Differential Amp Low Distortion	8-SOIC	6.40	5.12	4.32
AD8350AR20-EVAL	AD8350AR20-EVAL-ND	Evaluation Board for AD8350 ***NEW!***		99.00	—	—
AD8350ARZ20-REEL7	AD8350ARZ20-REEL7CT-ND	Differential Amp Low Distortion*	8-SOIC	6.40	5.12	4.32
AD8350ARZ20-REEL7	AD8350ARZ20-REEL7TR-ND	Differential Amp Low Distortion*	8-SOIC		4000.00/1,000	
AD8350ARM15	AD8350ARM15-ND	Differential Amp Low Distortion	8-MSOP	6.40	5.12	4.32
AD8510AR	AD8510AR-ND	Precision Op Amp JFET Single LN	8-SOIC	2.59	2.07	1.61
AD8510ARZ	AD8510ARZ-ND	Precision Op Amp JFET Single LN*	8-SOIC	2.59	2.07	1.61
AD8510ARMZ-R2	AD8510ARMZ-R2CT-ND	Precision Op Amp JFET Single LN*	8-MSOP	3.11	2.49	1.94

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD8510ARMZ-R2	AD8510ARMZ-R2TR-ND	Precision Op Amp JFET Single LN*	8-MSOP		458.75/250	
AD8510BR	AD8510BR-ND	Precision Op Amp JFET Single LN	8-SOIC	5.49	4.40	3.42
AD8510BRZ	AD8510BRZ-ND	Precision Op Amp JFET Single LN*	8-SOIC	5.49	4.40	3.42
AD8512AR	AD8512AR-ND	Precision Op Amp JFET Dual LN	8-SOIC	4.10	3.28	2.55
AD8512ARZ	AD8512ARZ-ND	Precision Op Amp JFET Dual LN*	8-SOIC	3.89	3.12	2.43
AD8512ARM-REEL	AD8512ARM-REELCT-ND	Precision Op Amp JFET Dual LN	8-MSOP	3.31	2.65	2.06
AD8512ARMZ-REEL	AD8512ARMZ-REELCT-ND	Precision Op Amp JFET Dual LN*	8-MSOP	3.31	2.65	2.06
AD8512ARMZ-REEL	AD8512ARMZ-REELTR-ND	Precision Op Amp JFET Dual LN*	8-MSOP		5556.00/3,000	
AD8512BR	AD8512BR-ND	Precision Op Amp JFET Dual LN	8-SOIC	8.73	7.86	6.97
AD8512BRZ	AD8512BRZ-ND	Precision Op Amp JFET Dual LN*	8-SOIC	9.98	7.99	6.74
AD8610AR	AD8610AR-ND	Op Amp Precision JFET LN	8-SOIC	8.00	6.40	5.40
AD8610BR	AD8610BR-ND	Op Amp Precision JFET LN	8-SOIC	15.75	14.70	13.55
AD8651AR	AD8651AR-ND	Op Amp 50MHz Low Distortion LN	8-SOIC	2.81	2.25	1.75
AD8651ARZ	AD8651ARZ-ND	Op Amp 50MHz Low Distortion LN*	8-SOIC	2.81	2.25	1.75
AD8651ARM-R2	AD8651ARM-R2CT-ND	Op Amp 50MHz Low Distortion LN	8-MSOP	3.76	3.01	2.34
AD8651ARM-R2	AD8651ARM-R2TR-ND	Op Amp 50MHz Low Distortion LN	8-MSOP		555.25/250	
AD8651ARMZ-R2	AD8651ARMZ-R2CT-ND	Op Amp 50MHz Low Distortion LN*	8-MSOP	3.76	3.01	2.34
AD8651ARMZ-R2	AD8651ARMZ-R2TR-ND	Op Amp 50MHz Low Distortion LN*	8-MSOP		555.25/250	
AD8656ARMZ-REEL	AD8656ARMZ-REELCT-ND	Precision Op Amp Dual LN* ***NEW!***	8-MSOP	2.48	1.98	1.54
AD8656ARMZ-REEL	AD8656ARMZ-REELTR-ND	Precision Op Amp Dual LN* ***NEW!***	8-MSOP		4158.00/3,000	
AD8656ARZ	AD8656ARZ-ND	Precision Op Amp Dual LN* ***NEW!***	8-SOIC	3.11	2.49	1.94
AD8671AR	AD8671AR-ND	Op Amp Precision Single LN	8-SOIC	2.79	2.24	1.74
AD8671ARZ	AD8671ARZ-ND	Op Amp Precision Single LN*	8-SOIC	2.79	2.24	1.74
AD8671ARM-R2	AD8671ARM-R2CT-ND	Op Amp Precision Single LN	8-MSOP	3.35	2.69	2.09
AD8671ARM-R2	AD8671ARM-R2TR-ND	Op Amp Precision Single LN	8-MSOP		495.50/250	
AD8671ARMZ-R2	AD8671ARMZ-R2CT-ND	Op Amp Precision Single LN*	8-MSOP	3.35	2.69	2.09
AD8671ARMZ-R2	AD8671ARMZ-R2TR-ND	Op Amp Precision Single LN*	8-MSOP		495.50/250	
AD8672ARZ	AD8672ARZ-ND	Op Amp Precision Dual LN*	8-SOIC	4.55	3.64	2.83
AD8672ARM-R2	AD8672ARM-R2CT-ND	Op Amp Precision Dual LN	8-MSOP	5.45	4.36	3.39
AD8672ARM-R2	AD8672ARM-R2TR-ND	Op Amp Precision Dual LN	8-MSOP		804.75/250	
AD8672ARMZ-R2	AD8672ARMZ-R2CT-ND	Op Amp Precision Dual LN*	8-MSOP	5.45	4.36	3.39
AD8672ARMZ-R2	AD8672ARMZ-R2TR-ND	Op Amp Precision Dual LN*	8-MSOP		804.75/250	
AD8674AR	AD8674AR-ND	Op Amp Precision Quad LN	14-SOIC	7.60	6.08	5.13
AD8674ARZ	AD8674ARZ-ND	Op Amp Precision Quad LN*	14-SOIC	7.60	6.08	5.13
AD8674ARU	AD8674ARU-ND	Op Amp Precision Quad LN	14-TSSOP	7.60	6.08	5.13
AD8674ARUZ	AD8674ARUZ-ND	Op Amp Precision Quad LN*	14-TSSOP	7.60	6.08	5.13
AD8692ARMZ-R2	AD8692ARMZ-R2CT-ND	Op Amp Low Noise, CMOS R-R Out*	8-MSOP	2.41	1.93	1.50
AD8692ARMZ-R2	AD8692ARMZ-R2TR-ND	Op Amp Low Noise, CMOS R-R Out*	8-MSOP		355.75/250	
AD8692ARZ	AD8692ARZ-ND	Op Amp Low Noise, CMOS R-R Out*	8-SOIC	2.13	1.70	1.28
OP27AZ	OP27AZ-ND	Op Amp Precision Low Noise*	8-CDip	30.18	28.17	26.16
OP27EPZ	OP27EPZ-ND	Op Amp Precision Low Noise*	8-Dip	5.29	4.23	3.29
OP27EZ	OP27EZ-ND	Op Amp Precision Low Noise*	8-CDip	14.34	12.92	11.46
OP27GPZ	OP27GPZ-ND	Op Amp Precision Low Noise*	8-Dip	2.30	1.84	1.43
OP27GS	OP27GS-ND	Op Amp Precision Low Noise	8-SOIC	2.41	1.93	1.50
OP27GSZ	OP27GSZ-ND	Op Amp Precision Low Noise*	8-SOIC	2.30	1.84	1.43
OP113ES	OP113ES-ND	Op Amp Single Supply LN	8-SOIC	6.82	5.46	4.61
OP113ESZ	OP113ESZ-ND	Op Amp Single Supply LN*	8-SOIC	6.82	5.46	4.61
OP113FSZ	OP113FSZ-ND	Op Amp Single Supply LN*	8-SOIC	3.98	3.17	2.47
OP213ESZ	OP213ESZ-ND	Op Amp Dual Single Supply LN*	8-SOIC	10.81	9.74	8.64
OP213FPZ	OP213FPZ-ND	Op Amp Dual Single Supply LN*	8-Dip	4.70	3.77	2.93
OP213FSZ	OP213FSZ-ND	Op Amp Dual Single Supply LN*	8-SOIC	4.70	3.77	2.93
OP270EZ	OP270EZ-ND	Op Amp Dual Precision LN*	8-CDip	11.18	10.07	8.93
OP270FZ	OP270FZ-ND	Op Amp Dual Precision LN*	8-CDip	8.38	7.55	6.69
OP270GPZ	OP270GPZ-ND	Op Amp Dual Precision LN*	8-Dip	5.11	4.09	3.18
OP270GS	OP270GS-ND	Op Amp Dual Precision LN	16-SOIC	5.40	4.32	3.36
OP270GSZ	OP270GSZ-ND	Op Amp Dual Precision LN*	16-SOIC	5.40	4.32	3.36
OP413ESZ	OP413ESZ-ND	Op Amp Quad Low Drift*	16-SOIC	15.58	14.03	12.44
OP413FSZ	OP413FSZ-ND	Op Amp Quad Low Drift*	16-SOIC	9.05	7.24	6.09
OP470EY	OP470EY-ND	Op Amp Quad Very Low Noise	16-Sip	16.31	14.69	13.03
OP470GPZ	OP470GPZ-ND	Op Amp Quad Very Low Noise*	14-Dip	7.16	5.73	4.84
OP470GSZ	OP470GSZ-ND	Op Amp Quad Very Low Noise*	16-SOIC	7.60	6.08	5.13
OP471EY	OP471EY-ND	Op Amp Quad High Speed LN	14-Dip	16.85	15.73	14.60
OP471GP	OP471GP-ND	Op Amp Quad High Speed LN	14-Dip	7.98	6.39	5.39
OP471GPZ	OP471GPZ-ND	Op Amp Quad High Speed LN*	14-Dip	7.98	6.39	5.39
OP471GSZ	OP471GSZ-ND	Op Amp Quad High Speed LN*	16-SOIC	8.10	6.48	5.47
OP490GS-REEL	OP490GS-REELCT-ND	Op Amp Quad Micropower	16-SOIC	8.32	6.66	5.62
OP490GS-REEL	OP490GS-REELTR-ND	Op Amp Quad Micropower	16-SOIC		5200.00/1,000	
OP490GSZ-REEL	OP490GSZ-REELCT-ND	Op Amp Quad Micropower*	16-SOIC	8.32	6.66	5.62
OP490GSZ-REEL	OP490GSZ-REELTR-ND	Op Amp Quad Micropower*	16-SOIC		5200.00/1,000	
OP495GP	OP495GP-ND	Op Amp Quad Rail-to-Rail	14-Dip	7.78	6.23	5.26
OP495GPZ	OP495GPZ-ND	Op Amp Quad Rail-to-Rail*	14-Dip	7.78	6.23	5.26
OP2177ARZ	OP2177ARZ-ND	Op Amp Dual Precision LN*	8-SOIC	3.78	3.03	2.36
OP2177AR-REEL7	OP2177AR-REEL7TR-ND	Op Amp Dual Precision LN	8-SOIC		2142.00/1,000	
OP2177ARZ-REEL7	OP2177ARZ-REEL7CT-ND	Op Amp Dual Precision LN*	8-SOIC	3.78	3.03	2.36
OP2177ARZ-REEL7	OP2177ARZ-REEL7TR-ND	Op Amp Dual Precision LN*	8-SOIC		2142.00/1,000	
OP2177ARMZ-R2	OP2177ARMZ-R2CT-ND	Op Amp Dual Precision LN*	8-MSOP	4.55	3.64	2.83
OP2177ARMZ-R2	OP2177ARMZ-R2TR-ND	Op Amp Dual Precision LN*	8-MSOP		671.75/250	
OP2177ARMZ-REEL	OP2177ARMZ-REELCT-ND	Op Amp Dual Precision LN*	8-MSOP	3.40	2.72	2.12
OP2177ARMZ-REEL	OP2177ARMZ-REELTR-ND	Op Amp Dual Precision LN*	8-MSOP		5709.00/3,000	
Low Power						
ADA4860-1YRJZ-RL7	ADA4860-1YRJZ-RL7CT-ND	HS, Low Cost, Op Amp* ***NEW!***	SOT-23-6	1.38	1.10	.83
ADA4860-1YRJZ-RL7	ADA4860-1YRJZ-RL7TR-ND	HS, Low Cost, Op Amp* ***NEW!***	SOT-23-6		2112.00/3,000	
AD818AN	AD818AN-ND	Video Op Amp 130MHz Low Power	8-Dip	4.01	3.21	2.50
AD818ANZ	AD818ANZ-ND	Video Op Amp 130MHz Low Power*	8-Dip	4.01	3.21	2.50
AD818AR	AD818AR-ND	Video Op Amp 130MHz Low Power	8-SOIC	4.01	3.21	2.50
AD818ARZ	AD818ARZ-ND	Video Op AMp 130MHz Low Power*	8-SOIC	4.01	3.21	2.50
AD820AN	AD820AN-ND	Op Amp FET Rail-to-Rail Low Power	8-Dip	4.39	3.51	2.73
AD820ANZ	AD820ANZ-ND	Op Amp FET Rail-to-Rail Low Power*	8-Dip	4.19	3.35	2.61
AD820AR-REEL7	AD820AR-REEL7TR-ND	Op Amp FET Rail-to-Rail Low Power	8-SOIC		1862.25/750	
AD820ARZ	AD820ARZ-ND	Op Amp FET Rail-to-Rail Low Power*	8-SOIC	4.10	3.28	2.55
AD820BR	AD820BR-ND	Op Amp FET Rail-to-Rail Low Power	8-SOIC	5.56	4.45	3.76
AD820BRZ	AD820BRZ-ND	Op Amp FET Rail-to-Rail Low Power*	8-SOIC	5.30	4.24	3.58
AD824ARZ-14	AD824ARZ-14-ND	Op Amp FET Rail-to-Rail Low Power*	14-SOIC	9.08	7.27	6.13
AD826AR-REEL7	AD826AR-REEL7CT-ND	Op Amp Dual High Speed Low Power	8-SOIC	4.97	3.98	3.10
AD826AR-REEL7	AD826AR-REEL7TR-ND	Op Amp Dual High Speed Low Power	8-SOIC		2154.75/750	
AD827AQ	AD827AQ-ND	Op Amp Dual High Speed Low Power	8-CDip	12.05	10.85	9.62
AD8002ARM	AD8002ARM-ND	Op Amp Current-Feedback Dual	8-MSOP	5.68	4.55	3.84
AD8005ART-REEL7	AD8005ART-REEL7CT-ND	Op Amp Current-Feedback LP	SOT-23-5	2.84	2.27	1.77
AD8005ARTZ-REEL7	AD8005ARTZ-REEL7CT-ND	Op Amp Current-Feedback LP*	SOT-23-5	2.84	2.27	1.77
AD8005ARTZ-REEL7	AD8005ARTZ-REEL7TR-ND	Op Amp Current-Feedback LP*	SOT-23-5		4764.00/3,000	

* RoHS Compliant

(Continued)

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AD8014AR	AD8014AR-ND	Op Amp Current-Feedback LP	8-SOIC	3.06	2.45	1.91
AD8014ART-REEL7	AD8014ART-REEL7CT-ND	Op Amp Current-Feedback LP	SOT-23-5	2.68	2.15	1.67
AD8014ART-REEL7	AD8014ART-REEL7TR-ND	Op Amp Current-Feedback LP	SOT-23-5		4497.00/3,000	
AD8014ARTZ-REEL7	AD8014ARTZ-REEL7CT-ND	Op Amp Current-Feedback LP*	SOT-23-5	2.68	2.15	1.67
AD8014ARTZ-REEL7	AD8014ARTZ-REEL7TR-ND	Op Amp Current-Feedback LP*	SOT-23-5		4497.00/3,000	
AD8625AR	AD8625AR-ND	Op Amp Quad JFET Rail-to-Rail	14-SOIC	8.94	7.16	6.04
AD8625ARU	AD8625ARU-ND	Op Amp Quad JFET Rail-to-Rail	14-TSSOP	8.94	7.16	6.04
AD8625ARUZ	AD8625ARUZ-ND	Op Amp Quad JFET Rail-to-Rail*	14-TSSOP	8.94	7.16	6.04
AD8625ARZ	AD8625ARZ-ND	Op Amp Quad JFET Rail-to-Rail*	14-SOIC	8.94	7.16	6.04
AD8626AR	AD8626AR-ND	Op Amp Precision JFET Low Power	8-SOIC	5.36	4.29	3.62
AD8626ARM-R2	AD8626ARM-R2CT-ND	Op Amp Precision JFET Low Power	8-MSOP	6.44	5.16	4.35
AD8626ARM-R2	AD8626ARM-R2TR-ND	Op Amp Precision JFET Low Power	8-MSOP		1046.50/250	
AD8626ARMZ-R2	AD8626ARMZ-R2CT-ND	Op Amp Precision JFET Low Power*	8-MSOP	6.44	5.16	4.35
AD8626ARMZ-R2	AD8626ARMZ-R2TR-ND	Op Amp Precision JFET Low Power*	8-MSOP		1046.50/250	
AD8626ARZ	AD8626ARZ-ND	Op Amp Precision JFET Low Power*	8-SOIC	5.36	4.29	3.62
AD8627AKS-R2	AD8627AKS-R2CT-ND	Op Amp Precision JFET Low Power	SC70-5	4.73	3.78	2.94
AD8627AKS-R2	AD8627AKS-R2TR-ND	Op Amp Precision JFET Low Power	SC70-5		698.25/250	
AD8627AKSZ-R2	AD8627AKSZ-R2CT-ND	Op Amp Precision JFET Low Power*	SC70-5	4.73	3.78	2.94
AD8627AKSZ-R2	AD8627AKSZ-R2TR-ND	Op Amp Precision JFET Low Power*	SC70-5		698.25/250	
AD8627AR	AD8627AR-ND	Op Amp Precision JFET Low Power*	8-SOIC	3.94	3.15	2.45
OP90GPZ	OP90GPZ-ND	Op Amp Precision Low Power*	8-Dip	3.67	2.94	2.29
OP90GSZ	OP90GSZ-ND	Op Amp Precision Low Power*	8-SOIC	3.67	2.94	2.29
OP97EPZ	OP97EPZ-ND	Op Amp Low Power OP07*	8-Dip	6.08	4.87	4.11
OP97FPZ	OP97FPZ-ND	Op Amp Low Power OP07*	8-Dip	2.27	1.82	1.42
OP97FSZ	OP97FSZ-ND	Op Amp Low Power OP07*	8-SOIC	2.27	1.82	1.42
OP97FSZ-REEL7	OP97FSZ-REEL7CT-ND	Op Amp Low Power OP07* ***NEW!***	8-SOIC	2.53	2.02	1.52
OP97FSZ-REEL7	OP97FSZ-REEL7TR-ND	Op Amp Low Power OP07* ***NEW!***	8-SOIC		1288.00/1,000	
OP198FSZ	OP198FSZ-ND	Op Amp Micropower R-R*	8-SOIC	2.99	2.40	1.87
OP220GSZ	OP220GSZ-ND	Op Amp Dual Low Power*	8-SOIC	4.52	3.62	2.82
OP221GSZ	OP221GSZ-ND	Op Amp Dual Single Supply LP*	8-SOIC	4.12	3.30	2.57
OP490GPZ	OP490GPZ-ND	Op Amp Quad Low Voltage LP*	14-Dip	8.32	6.66	5.62
OP490GSZ	OP490GSZ-ND	Op Amp Quad Low Voltage LP*	16-SOIC	8.32	6.66	5.62
OP496GSZ	OP496GSZ-ND	Op Amp Quad Rail-to-Rail LP*	14-SOIC	5.13	4.11	3.20
OP497FPZ	OP497FPZ-ND	Op Amp Quad Precision Voltage LP*	14-Dip	8.36	7.53	6.68
OP497FSZ	OP497FSZ-ND	Op Amp Quad Precision Voltage LP*	16-SOIC	9.96	7.97	6.73
OP497GPZ	OP497GPZ-ND	Op Amp Quad Precision Voltage LP*	14-Dip	6.88	5.51	4.65
OP497GSZ	OP497GS-ND	Op Amp Quad Precision Voltage LP	16-SOIC	6.88	5.51	4.65
OP497GSZ	OP497GSZ-ND	Op Amp Quad Precision Voltage LP*	16-SOIC	6.56	5.25	4.43

Precision

AD548JR	AD548JR-ND	Precision BiFET Op Amp Low Power	8-SOIC	2.75	2.20	1.71
AD548JRZ	AD548JRZ-ND	Precision BiFET Op Amp Low Power*	8-SOIC	2.75	2.20	1.71
AD548KN	AD548KN-ND	Precision BiFET Op Amp Low Power	8-Dip	6.00	4.80	4.05
AD548KNZ	AD548KNZ-ND	Precision BiFET Op Amp Low Power*	8-Dip	6.00	4.80	4.05
AD548TH	AD548TH-ND	Precision BiFET Op Amp Low Power	TO-99	13.94	12.56	11.14
AD549JH	AD549JH-ND	Low Bias Current Op Amp	TO-99	18.44	17.21	15.98
AD549KH	AD549KH-ND	Low Bias Current Op Amp	TO-99	25.74	24.03	22.31
AD549LH	AD549LH-ND	Low Bias Current Op Amp	TO-99	31.92	29.70	27.56
AD585JPZ	AD585JPZ-ND	Precision Sample/Hold Amp* ***NEW!***	20-PLCC	20.64	19.27	17.89
AD585SQ	AD585SQ-ND	Precision Sample/Hold Amp	14-Dip	68.48	63.91	59.35
AD648JN	AD648JN-ND	Op Amp Dual Precision LP BiFET	8-Dip	3.51	2.81	2.19
AD648JNZ	AD648JNZ-ND	Op Amp Dual Precision LP BiFET*	8-Dip	3.51	2.81	2.19
AD648JR	AD648JR-ND	Op Amp Dual Precision LP BiFET	8-SOIC	3.51	2.81	2.19
AD648JRZ	AD648JRZ-ND	Op Amp Dual Precision LP BiFET*	8-SOIC	3.51	2.81	2.19
AD648KN	AD648KN-ND	Op Amp Dual Precision LP BiFET	8-Dip	7.94	6.35	5.36
AD648KNZ	AD648KNZ-ND	Op Amp Dual Precision LP BiFET*	8-Dip	7.94	6.35	5.36
AD704AR-16	AD704AR-16-ND	Bipolar Op Amp Quad	16-SOIC	8.58	6.87	5.80
AD704ARZ-16	AD704ARZ-16-ND	Bipolar Op Amp Quad*	16-SOIC	8.18	6.55	5.53
AD704JN	AD704JN-ND	Bipolar Op Amp Quad	14-Dip	8.00	6.40	5.40
AD704JNZ	AD704JNZ-ND	Bipolar Op Amp Quad*	14-Dip	7.62	6.10	5.15
AD704JRZ-16	AD704JRZ-16-ND	Bipolar Op Amp Quad*	16-SOIC	7.62	6.10	5.15
AD706ARZ	AD706ARZ-ND	Bipolar Op Amp Dual*	8-SOIC	4.75	3.80	2.96
AD706JN	AD706JN-ND	Bipolar Op Amp Dual	8-Dip	4.66	3.73	2.90
AD706JNZ	AD706JNZ-ND	Bipolar Op Amp Dual*	8-Dip	3.94	3.15	2.66
AD706JR	AD706JR-ND	Bipolar Op Amp Dual	8-SOIC	4.39	3.51	2.73
AD711AQ	AD711AQ-ND	Precision Op Amp BiFET High Speed	8-CDip	5.47	4.38	3.41
AD711JNZ	AD711JNZ-ND	Precision Op AMp BiFET High Speed*	8-Dip	2.36	1.89	1.47
AD711JRZ	AD711JRZ-ND	Precision Op Amp BiFET High Speed*	8-SOIC	2.32	1.86	1.45
AD711KN	AD711KN-ND	Precision Op Amp BiFET High Speed	8-Dip	4.48	3.59	2.79
AD711KR	AD711KR-ND	Precision Op Amp BiFET High Speed	8-SOIC	4.28	3.42	2.66
AD711KRZ	AD711KRZ-ND	Precision Op Amp BiFET High Speed*	8-SOIC	4.07	3.26	2.54
AD745KR-16	AD745KR-16-ND	Op Amp Low Noise BiFET	16-SOIC	11.40	10.26	9.10
AD745KRZ-16	AD745KRZ-16-ND	Op Amp Low Noise BiFET*	16-SOIC	10.85	9.77	8.66
AD746AQ	AD746AQ-ND	Precision Op Amp Dual BiFET	8-CDip	8.95	8.06	7.15
AD783JRZ	AD783JRZ-ND	Amp Mono Sample and Hold*	8-SOIC	17.55	16.38	15.21
AD822ANZ	AD822ANZ-ND	Dual Precision, Low Power FET Input Op Amp*	8-Dip	5.60	4.48	3.78
AD822ARZ	AD822ARZ-ND	Dual Precision, Low Power FET Input Op Amp*	8-SOIC	5.50	4.40	3.72
AD822AR-REEL7	AD822AR-REEL7CT-ND	Dual Precision, Low Power FET Input Op Amp*	8-SOIC	6.50	5.21	4.05
AD822AR-REEL7	AD822AR-REEL7TR-ND	Dual Precision, Low Power FET Input Op Amp	8-SOIC		2752.50/750	
AD822ARZ-REEL7	AD822ARZ-REEL7TR-ND	Dual Precision, Low Power FET Input Op Amp*	8-SOIC		2619.75/750	
AD822ARM-REEL	AD822ARM-REELCT-ND	Dual Precision, Low Power FET Input Op Amp	8-MSOP	5.58	4.47	3.48
AD822ARM-REEL	AD822ARM-REELTR-ND	Dual Precision, Low Power FET Input Op Amp	8-MSOP		9828.00/3,000	
AD822ARMZ-R2	AD822ARMZ-R2CT-ND	Dual Precision, Low Power FET Input Op Amp*	8-MSOP	6.60	5.28	4.46
AD822ARMZ-R2	AD822ARMZ-R2TR-ND	Dual Precision, Low Power FET Input Op Amp*	8-MSOP		1072.50/250	
AD822ARMZ-REEL	AD822ARMZ-REELCT-ND	Dual Precision, Low Power FET Input Op Amp*	8-MSOP	5.58	4.47	3.48
AD822ARMZ-REEL	AD822ARMZ-REELTR-ND	Dual Precision, Low Power FET Input Op Amp*	8-MSOP		9375.00/3,000	
AD822BRZ	AD822BRZ-ND	Dual Precision, Low Power FET Input Op Amp*	8-SOIC	8.20	6.56	5.54
AD823AN	AD823AN-ND	Dual Prec., 16MHz JFET Input Op Amp	8-Dip	5.00	4.00	3.38
AD823ANZ	AD823ANZ-ND	Dual Prec., 16MHz JFET Input Op Amp*	8-Dip	5.00	4.00	3.38
AD823ARZ	AD823ARZ-ND	Dual Prec., 16MHz JFET Input Op Amp*	8-SOIC	5.00	4.00	3.38
AD823AR-REEL7	AD823AR-REEL7TR-ND	Dual Prec., 16MHz JFET Input Op Amp	8-SOIC		2381.25/750	

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD823ARZ-R7	AD823ARZ-R7CT-ND	Dual Prec., 16MHz JFET Input Op Amp*	8-SOIC	5.00	4.00	3.38
AD823ARZ-R7	AD823ARZ-R7TR-ND	Dual Prec., 16MHz JFET Input Op Amp*	8-SOIC		2381.25/750	
AD845BQ	AD845BQ-ND	Op Amp JFET Precision 16MHz	8-CDip	10.58	9.53	8.45
AD8221AR	AD8221AR-ND	Precision Instrumentation Amp	8-SOIC	5.48	4.39	3.70
AD8221ARZ	AD8221ARZ-ND	Precision Instrumentation Amp*	8-SOIC	5.48	4.39	3.70
AD8221ARM	AD8221ARM-ND	Precision Instrumentation Amp	8-MSOP	5.29	4.23	3.29
AD8221ARMZ	AD8221ARMZ-ND	Precision Instrumentation Amp*	8-MSOP	5.29	4.23	3.29
AD8221BR	AD8221BR-ND	Precision Instrumentation Amp	8-SOIC	9.58	7.67	6.47
AD8221BRZ	AD8221BRZ-ND	Precision Instrumentation Amp*	8-SOIC	9.58	7.67	6.47
AD8221-EVAL	AD8221-EVAL-ND	Evaluation Board for AD8221	—	63.60	—	—
AD8500AKSZ-REEL7	AD8500AKSZ-REEL7CT-ND	Micropower Precision CMOS Op Amp* ***NEW!***	SC70-5	1.75	1.40	1.05
AD8500AKSZ-REEL7	AD8500AKSZ-REEL7TR-ND	Micropower Precision CMOS Op Amp* ***NEW!***	SC70-5		2688.00/3,000	
AD8513AR	AD8513AR-ND	Wide-Bandwidth Quad JFET Op Amp	14-SOIC	8.20	6.56	5.54
AD8513ARZ	AD8513ARZ-ND	Wide-Bandwidth Quad JFET Op Amp*	14-SOIC	7.80	6.24	5.27
AD8513ARU	AD8513ARU-ND	Wide-Bandwidth Quad JFET Op Amp	14-TSSOP	8.20	6.56	5.54
AD8513ARUZ	AD8513ARUZ-ND	Wide-Bandwidth Quad JFET Op Amp*	14-TSSOP	7.80	6.24	5.27
AD8572ARUZ	AD8572ARUZ-ND	0-Drift R-R I/O Op Amp*	8-TSSOP	4.16	3.33	2.59
AD8601ART-REEL7	AD8601ART-REEL7CT-ND	Precision CMOS Single R-R In/Out Wideband Op Amp	SOT-23-5	1.33	1.06	.80
AD8601ART-REEL7	AD8601ART-REEL7TR-ND	Precision CMOS Single R-R In/Out Wideband Op Amp	SOT-23-5		2034.00/3,000	
AD8601ARTZ-REEL7	AD8601ARTZREEL7CT-ND	Precision CMOS Single R-R In/Out Wideband Op Amp*	SOT-23-5	1.33	1.06	.80
AD8601ARTZ-REEL7	AD8601ARTZREEL7TR-ND	Precision CMOS Single R-R In/Out Wideband Op Amp*	SOT-23-5		2034.00/3,000	
AD8610ARZ	AD8610ARZ-ND	Precision JFET Input Op Amp*	8-SOIC	8.00	6.40	5.40
AD8610BRZ	AD8610BRZ-ND	Precision JFET Input Op Amp*	8-SOIC	15.75	14.70	13.65
AD8615AUJZ-REEL7	AD8615AUJZ-REEL7CT-ND	Precision 20MHz CMOS R-R In/Out Op Amp*	TSOT-23-5	1.88	1.50	1.13
AD8615AUJZ-REEL7	AD8615AUJZ-REEL7TR-ND	Precision 20MHz CMOS R-R In/Out Op Amp*	TSOT-23-5		2880.00/3,000	
AD8616AR	AD8616AR-ND	20MHz, Rail-to-Rail Op Amp Dual	8-SOIC	3.15	2.52	1.96
AD8616ARZ	AD8616ARZ-ND	20MHz, Rail-to-Rail Op Amp Dual*	8-SOIC	3.15	2.52	1.96
AD8616ARM-R2	AD8616ARM-R2CT-ND	20MHz, Rail-to-Rail Op Amp Dual	8-MSOP	4.16	3.33	2.59
AD8616ARM-R2TR	AD8616ARM-R2TR-ND	20MHz, Rail-to-Rail Op Amp Dual	8-MSOP		615.25/250	
AD8616ARMZ-R2	AD8616ARMZ-R2CT-ND	20MHz, Rail-to-Rail Op Amp Dual*	8-MSOP	4.16	3.33	2.59
AD8616ARMZ-R2	AD8616ARMZ-R2TR-ND	20MHz, Rail-to-Rail Op Amp Dual*	8-MSOP		615.25/250	
AD8618AR	AD8618AR-ND	Precision 20MHz CMOS Rail-to-Rail In/Out Op Amp	14-SOIC	5.00	4.00	3.38
AD8618ARZ	AD8618ARZ-ND	Precision 20MHz CMOS Rail-to-Rail In/Out Op Amp*	14-SOIC	5.00	4.00	3.38
AD8620AR	AD8620AR-ND	Op Amp Precision JFET Low Noise	8-SOIC	13.33	12.00	10.64
AD8620ARZ	AD8620ARZ-ND	Precision JFET Op Amp*	8-SOIC	13.33	12.00	10.64
AD8620BR	AD8620BR-ND	Op Amp Precision JFET Low Noise	8-SOIC	26.70	24.92	23.14
AD8620BRZ	AD8620BRZ-ND	Op Amp Precision JFET Low Noise*	8-SOIC	26.70	24.92	23.14
AD8628AR	AD8628AR-ND	Op Amp Rail-to-Rail 0-Drift	8-SOIC	2.48	1.98	1.54
AD8628ART-R2	AD8628ART-R2CT-ND	Op Amp Rail-to-Rail 0-Drift	SOT-23-5	2.97	2.38	1.85
AD8628ART-R2	AD8628ART-R2TR-ND	Op Amp Rail-to-Rail 0-Drift	SOT-23-5		439.00/250	
AD8628ARTZ-R2	AD8628ARTZ-R2CT-ND	Op Amp Rail-to-Rail 0-Drift*	SOT-23-5	2.97	2.38	1.85
AD8628ARTZ-REEL7	AD8628ARTZ-REEL7CT-ND	Op Amp Rail-to-Rail 0-Drift* ***NEW!***	SOT-23-5	2.38	1.90	1.43
AD8628ARTZ-REEL7	AD8628ARTZ-REEL7TR-ND	Op Amp Rail-to-Rail 0-Drift* ***NEW!***	SOT-23-5		3648.00/3,000	
AD8628ARZ	AD8628ARZ-ND	Op Amp Rail-to-Rail 0-Drift*	8-SOIC	2.48	1.98	1.54
AD8698ARZ	AD8698ARZ-ND	Dual Precision Rail-to-Rail Output*	8-SOIC	5.34	4.28	3.61
AMP03GPZ	AMP03GPZ-ND	Amp Diff. Precision Unity Gain*	8-Dip	5.22	4.18	3.53
AMP03GSZ	AMP03GSZ-ND	Amp Diff. Precision Unity Gain*	8-SOIC	5.22	4.18	3.53
OP07CPZ	OP07CPZ-ND	Op Amp Ultra Low Offset*	8-Dip	1.47	1.23	.98
OP07CSZ	OP07CSZ-ND	Op Amp Ultra Low Offset*	8-SOIC	1.47	1.23	.98
OP07DNZ	OP07DNZ-ND	Op Amp Ultra Low Offset*	8-Dip	1.23	1.03	.82
OP07DRZ	OP07DRZ-ND	Op Amp Ultra Low Offset*	8-SOIC	1.23	1.03	.82
OP07EPZ	OP07EPZ-ND	Op Amp Ultra Low Offset*	8-Dip	3.04	2.43	1.89
OP27GS-REEL7	OP27GS-REEL7TR-ND	Op Amp Precision Low Noise	8-SOIC		1364.25/1,000	
OP27GZ	OP27GZ-ND	Op Amp Precision Low Noise*	8-Dip	9.34	7.48	6.31
OP37EPZ	OP37EPZ-ND	Op Amp Precision LN 63MHz HS*	8-Dip	4.91	3.93	3.06
OP37GPZ	OP37GPZ-ND	Op Amp Precision LN 63MHz HS*	8-Dip	2.20	1.76	1.32
OP37GS	OP37GS-ND	Op Amp Precision LN 63MHz HS	8-SOIC	2.10	1.68	1.26
OP37GSZ	OP37GSZ-ND	Op Amp Precision LN 63MHz HS*	8-SOIC	2.00	1.60	1.20
OP42AZ	OP42AZ-ND	Op Amp Precision High Speed*	8-CDip	20.64	19.27	17.89
OP42EJ	OP42EJ-ND	Op Amp Precision High Speed	TO-99	15.46	13.92	12.35
OP42EZ	OP42EZ-ND	Op Amp Precision High Speed*	8-Dip	13.61	12.25	10.87
OP77EZ	OP77EZ-ND	Op Amp Super Precision OP07*	8-CDip	9.24	7.40	6.24
OP77FJ	OP77FJ-ND	Op Amp Super Precision OP07	TO-99	8.66	6.93	5.85
OP77FZ	OP77FZ-ND	Op Amp Super Precision OP07*	8-CDip	5.40	4.32	3.65
OP90GS-REEL7	OP90GS-REEL7CT-ND	Op Amp Precision Micropower	8-SOIC	3.67	2.94	2.29
OP90GS-REEL7	OP90GS-REEL7TR-ND	Op Amp Precision Micropower	8-SOIC		2078.00/1,000	
OP177FPZ	OP177FPZ-ND	Op Amp Ultra-Precision High Gain*	8-Dip	4.50	3.60	2.80
OP177FSZ	OP177FSZ-ND	Op Amp Ultra-Precision High Gain*	8-SOIC	4.50	3.60	2.80
OP177GPZ	OP177GPZ-ND	Op Amp Ultra-Precision*	8-Dip	1.60	1.28	.96
OP177GSZ	OP177GSZ-ND	Op Amp Ultra-Precision*	8-SOIC	1.60	1.28	.96
OP177GS-REEL7	OP177GS-REEL7CT-ND	Op Amp Ultra-Precision	8-SOIC	1.60	1.28	.96
OP177GS-REEL7	OP177GS-REEL7TR-ND	Op Amp Ultra-Precision	8-SOIC		832.00/1,000	
OP184ESZ	OP184ESZ-ND	Op Amp Precision Single Supply R-R*	8-SOIC	5.60	4.49	3.49
OP184FSZ	OP184FSZ-ND	Op Amp Precision Single Supply R-R*	8-SOIC	3.71	2.97	2.31
OP191GSZ	OP191GSZ-ND	Op Amp Single Supply R-R LP*	8-SOIC	3.26	2.61	2.03
OP196GSZ	OP196GSZ-ND	Op Amp Single Supply R-R LP*	8-SOIC	2.70	2.16	1.68
OP200AZ	OP200AZ-ND	Op Amp Dual Ultra-Precision*	8-CDip	16.44	15.35	14.25
OP200GPZ	OP200GPZ-ND	Op Amp Dual Ultra-Precision*	8-Dip	5.60	4.49	3.49
OP200GSZ	OP200GSZ-ND	Op Amp Dual Ultra-Precision*	16-SOIC	5.60	4.49	3.49
OP262GSZ	OP262GSZ-ND	Op Amp Dual 15MHz Rail-to-Rail*	8-SOIC	4.07	3.26	2.54
OP282GS	OP282GS-ND	Op Amp Dual JFET Input	8-SOIC	2.39	1.91	1.49
OP282GS-REEL7	OP282GS-REEL7TR-ND	Op Amp Dual JFET Input	8-SOIC		1352.00/1,000	
OP282GS-REEL	OP282GS-REELTR-ND	Op Amp Dual JFET Input	8-SOIC		3340.00/2,500	
OP282GSZ	OP282GSZ-ND	Op Amp Dual JFET Input*	8-SOIC	2.39	1.91	1.49
OP284EPZ	OP284EPZ-ND	Op Amp Dual Precision Rail-to-Rail*	8-Dip	8.96	7.17	6.05
OP284ESZ	OP284ESZ-ND	Op Amp Dual Precision Rail-to-Rail*	8-SOIC	8.80	7.04	5.94
OP284FSZ	OP284FSZ-ND	Op Amp Dual Precision Rail-to-Rail*	8-SOIC	6.00	4.80	4.05

* *RoHS Compliant*

(Continued)

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ANALOG DEVICES — AMPLIFIERS (Continued)

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
OP284FS-REEL7	OP284FS-REEL7CT-ND	Op Amp Dual Precision Rail-to-Rail	8-SOIC	6.30	5.04	4.26
OP284FS-REEL7	OP284FS-REEL7TR-ND	Op Amp Dual Precision Rail-to-Rail	8-SOIC	3938.00/1,000		
OP285GSZ	OP285GSZ-ND	Op Amp Dual Precision 9MHz*	8-SOIC	4.61	3.69	2.87
OP290GP	OP290GP-ND	Op Amp Dual Precision Single Supply	8-Dip	6.06	4.85	4.10
OP290GPZ	OP290GPZ-ND	Op Amp Dual Precision Single Supply*	8-Dip	6.06	4.85	4.10
OP297EZ	OP297EZ-ND	Op Amp Dual Low Off/Bias*	8-Dip	10.38	9.35	8.29
OP297FP	OP297FP-ND	Op Amp Dual Low Off/Bias*	8-Dip	5.28	4.23	3.57
OP297FPZ	OP297FPZ-ND	Op Amp Dual Low Off/Bias*	8-Dip	5.02	4.02	3.39
OP297FSZ	OP297FSZ-ND	Op Amp Dual Low Off/Bias*	8-SOIC	5.47	4.38	3.41
OP297GP	OP297GP-ND	Op Amp Dual Low Off/Bias	8-Dip	4.66	3.73	2.90
OP297GPZ	OP297GPZ-ND	Op Amp Dual Low Off/Bias*	8-Dip	4.43	3.55	2.76
OP297GSZ	OP297GSZ-ND	Op Amp Dual Low Off/Bias*	8-SOIC	4.19	3.35	2.61
OP297GS-REEL7	OP297GS-REEL7CT-ND	Op Amp Dual Low Off/Bias	8-SOIC	4.39	3.51	2.73
OP297GS-REEL7	OP297GS-REEL7TR-ND	Op Amp Dual Low Off/Bias	8-SOIC	2486.00/1,000		
OP484ESZ	OP484ESZ-ND	Op Amp Quad Precision Rail-to-Rail*	14-SOIC	13.08	11.78	10.45
OP484FPZ	OP484FPZ-ND	Op Amp Quad Precision Rail-to-Rail*	14-Dip	8.75	7.88	6.99
OP484FSZ	OP484FSZ-ND	Op Amp Quad Precision Rail-to-Rail*	14-SOIC	8.33	7.50	6.65
OP484FS-REEL7	OP484FS-REEL7CT-ND	Op Amp Quad Precision Rail-to-Rail	14-SOIC	8.33	7.50	6.65
OP484FS-REEL7	OP484FS-REEL7TR-ND	Op Amp Quad Precision Rail-to-Rail	14-SOIC	6484.00/1,000		
OP484FSZ-REEL7	OP484FSZ-REEL7CT-ND	Op Amp Quad Precision Rail-to-Rail*	14-SOIC	8.33	7.50	6.65
OP484FSZ-REEL7	OP484FSZ-REEL7TR-ND	Op Amp Quad Precision Rail-to-Rail*	14-SOIC	6175.00/1,000		
OP491GPZ	OP491GPZ-ND	Op Amp Quad Single Supply R-R*	14-Dip	6.20	4.96	4.19
OP491GSZ	OP491GSZ-ND	Op Amp Quad Single Supply R-R*	14-SOIC	6.20	4.96	4.19
OP727AR	OP727AR-ND	Op Amp Dual Precision R-R Out	8-SOIC	4.05	3.24	2.52
OP727ARU	OP727ARU-ND	Op Amp Dual Precision R-R Out	8-TSSOP	4.05	3.24	2.52
OP727ARUZ	OP727ARUZ-ND	Op Amp Dual Precision R-R Out*	8-TSSOP	4.05	3.24	2.52
OP727ARZ	OP727ARZ-ND	Op Amp Dual Precision R-R Out*	8-SOIC	4.05	3.24	2.52
OP747AR	OP747AR-ND	Op Amp Quad Precision R-R Out	14-SOIC	6.60	5.28	4.46
OP747ARZ	OP747ARZ-ND	Op Amp Quad Precision R-R Out*	14-SOIC	6.60	5.28	4.46
OP747ARU	OP747ARU-ND	Op Amp Quad Precision R-R	14-TSSOP	6.60	5.28	4.46
OP747ARUZ	OP747ARUZ-ND	Op Amp Quad Precision R-R*	14-TSSOP	6.60	5.28	4.46
OP777AR	OP777AR-ND	Op Amp Precision Single Supply R-R	8-SOIC	2.70	2.16	1.68
OP777ARZ	OP777ARZ-ND	Op Amp Precision Single Supply R-R*	8-SOIC	2.70	2.16	1.68
OP1177ARZ	OP1177ARZ-ND	Op Amp Precision LN Bias Current*	8-SOIC	2.43	1.94	1.46
OP1177ARM-REEL	OP1177ARM-REELCT-ND	Op Amp Precision LN Bias Current	8-MSOP	2.00	1.60	1.20
OP1177ARM-REEL	OP1177ARM-REELTR-ND	Op Amp Precision LN Bias Current	8-MSOP	3072.00/3,000		
OP1177ARMZ-REEL	OP1177ARMZ-REELCT-ND	Op Amp Precision LN Bias Current*	8-MSOP	2.00	1.60	1.20
OP1177ARMZ-REEL	OP1177ARMZ-REELTR-ND	Op Amp Precision LN Bias Current*	8-MSOP	3072.00/3,000		
OP4177ARZ	OP4177ARZ-ND	Op Amp Quad Precision LN*	14-SOIC	7.92	6.34	5.35
OP4177ARUZ	OP4177ARUZ-ND	Op Amp Quad Precision LN*	14-TSSOP	7.92	6.34	5.35
Trans Line Driver						
AD8323ARU	AD8323ARU-ND	Low Noise Driver CATV Fine-Step	28-TSSOP	7.60	6.08	5.13
Variable Gain Amplifiers						
AD600AQ	AD600AQ-ND	VGA Dual, Adjustable Gain	16-Dip	33.21	31.00	28.79
AD600A R	AD600AR-ND	VGA Dual, Adjustable Gain	16-SOIC	27.68	25.83	23.99
AD600ARZ	AD600ARZ-ND	VGA Dual, Adjustable Gain*	16-SOIC	27.68	25.83	23.99
AD600JNZ	AD600JNZ-ND	VGA Dual, Adjustable Gain*	16-Dip	21.29	19.87	18.45
AD600JR	AD600JR-ND	VGA Dual, Adjustable Gain	16-SOIC	21.29	19.87	18.45
AD600JRZ	AD600JRZ-ND	VGA Dual, Adjustable Gain*	16-SOIC	21.29	19.87	18.45
AD602AR	AD602AR-ND	VGA Dual 35MHz Low Noise	16-SOIC	27.68	25.83	23.99
AD602ARZ	AD602ARZ-ND	VGA Dual 35MHz Low Noise*	16-SOIC	27.68	25.83	23.99
AD602JR	AD602JR-ND	VGA Dual 35MHz Low Noise	16-SOIC	21.29	19.87	18.45
AD602JRZ	AD602JRZ-ND	VGA Dual 35MHz Low Noise*	16-SOIC	21.29	19.87	18.45
AD603AQ	AD603AQ-ND	VGA 90MHz Low Noise	8-Dip	8.55	7.70	6.83
AD603AR	AD603AR-ND	VGA 90MHz Low Noise	8-SOIC	9.36	7.49	6.32
AD603AR-REEL7	AD603AR-REEL7CT-ND	VGA 90MHz Low Noise	8-SOIC	9.36	7.49	6.32
AD603ARZ	AD603ARZ-ND	VGA 90MHz Low Noise*	8-SOIC	9.36	7.49	6.32
AD604AN	AD604AN-ND	Amp Dual Adj. Gain Linear	24-Dip	21.08	19.67	18.27
AD604ARZ	AD604ARZ-ND	Amp Dual Adj. Gain Linear*	24-SOIC	21.08	19.67	18.27
AD604ARSZ	AD604ARSZ-ND	Amp Dual Adj. Gain Linear*	24-SSOP	25.29	23.61	21.92
AD605ANZ	AD605ANZ-ND	VGA Dual 40MHz Low Noise*	16-Dip	15.94	14.36	12.73
AD605AR	AD605AR-ND	VGA Dual 40MHz Low Noise	16-SOIC	15.94	14.36	12.73
AD605ARZ	AD605ARZ-ND	VGA Dual 40MHz Low Noise*	16-SOIC	15.94	14.36	12.73
AD8330-EVAL	AD8330-EVAL-ND	Evaluation Board for AD8330	—	128.25	—	—
AD8330ACPZ-R7	AD8330ACPZ-R7CT-ND	VGA Single*	16-LFCSP	9.34	7.48	6.31
AD8330ACPZ-R7	AD8330ACPZ-R7TR-ND	VGA Single*	16-LFCSP	8757.00/1,500		
AD8330ARQZ	AD8330ARQZ-ND	VGA Single*	16-QSOP	9.34	7.48	6.31
AD8331-EVAL	AD8331-EVAL-ND	Evaluation Board for AD8331 ***NEW!***	—	83.03	—	—
AD8331ARQ	AD8331ARQ-ND	VGA Single with Preamp	20-QSOP	9.06	8.16	7.24
AD8331ARQZ	AD8331ARQZ-ND	VGA Single with Preamp*	20-QSOP	9.06	8.16	7.24
AD8332-EVAL	AD8332-EVAL-ND	Evaluation Board for AD8332 ***NEW!***	—	143.33	—	—
AD8332ACP-R2	AD8332ACP-R2CT-ND	VGA Dual with Preamp Low Noise	32-LFCSP	16.74	15.63	14.51
AD8332ACP-R2	AD8332ACP-R2TR-ND	VGA Dual with Preamp Low Noise	32-LFCSP	3557.25/250		
AD8332ARU	AD8332ARU-ND	VGA Dual with Preamp Low Noise	28-TSSOP	16.74	15.63	14.51
AD8332ARUZ	AD8332ARUZ-ND	VGA Dual with Preamp Low Noise*	28-TSSOP	16.74	15.63	14.51
AD8334ACPZ-WP	AD8334ACPZ-WP-ND	Ultralow Noise VGA* ***NEW!***	64-LFCSP	26.93	25.13	23.34
AD8337BCPZ-R2	AD8337BCPZ-R2CT-ND	General Purpose, Low Cost, DC-Coupled VGA* ***NEW!***	8-LFCSP	5.98	4.79	4.04
AD8337BCPZ-R2	AD8337BCPZ-R2TR-ND	General Purpose, Low Cost, DC-Coupled VGA* ***NEW!***	8-LFCSP	971.75/250		
AD8337-EVAL	AD8337-EVAL-ND	Evaluation Board for AD8337 ***NEW!***	—	66.60	—	—
AD8337-EVAL-INV	AD8337-EVAL-INV-ND	Evaluation Board for AD8337 INV ***NEW!***	—	74.93	—	—
AD8337-EVAL-SS	AD8337-EVAL-SS-ND	Evaluation Board for AD8337 SS ***NEW!***	—	74.93	—	—
AD8367-EVAL	AD8367-EVAL-ND	Evaluation Board for AD8367	—	111.38	—	—
AD8367ARUZ	AD8367ARUZ-ND	VGA with AGC Detector*	14-TSSOP	9.96	7.97	6.73
AD8368ACPZ-WP	AD8368ACPZ-WP-ND	VGA with AGC Detector* ***NEW!***	24-LFCSP	9.96	7.97	6.73
AD8368-EVALZ	AD8368-EVALZ-ND	Evaluation Board for AD8368* ***NEW!***	—	131.67	—	—
AD8369-EVAL	AD8369-EVAL-ND	Evaluation Board for AD8369 ***NEW!***	—	99.00	—	—
AD8369ARU	AD8369ARU-ND	VGA Digital Controller	16-TSSOP	9.96	7.97	6.73
AD8369ARUZ	AD8369ARUZ-ND	VGA Digital Controller*	16-TSSOP	9.96	7.97	6.73
AD8370-EVAL	AD8370-EVAL-ND	Evaluation Board for AD8370	—	118.80	—	—
AD8370AREZ	AD8370AREZ-ND	Digital VGA LF to 750MHz*	16-TSSOP	9.96	7.97	6.73
ADL5330ACPZ-R2	ADL5330ACPZ-R2CT-ND	VGA 10MHz to 3GHz*	24-LFCSP	9.15	8.24	7.31
ADL5330ACPZ-R2	ADL5330ACPZ-R2TR-ND	VGA 10MHz to 3GHz*	24-LFCSP	1750.00/250		
ADL5330-EVAL	ADL5330-EVAL-ND	Evaluation Board for ADL5330	—	148.50	—	—

ANALOG DEVICES — ANALOG COMPUTATION CIRCUITS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD630AD	AD630AD-ND	Balanced Mod/Demod 2MHz	20-Dip	16.23	15.16	14.07
AD630AR	AD630AR-ND	Balanced Mod/Demod 2MHz	20-SOIC	15.42	14.40	13.37
AD630ARZ	AD630ARZ-ND	Balanced Mod/Demod 2MHz*	20-SOIC	15.42	14.40	13.37
AD630JNZ	AD630JNZ-ND	Balanced Mod/Demod 2MHz*	20-Dip	16.14	14.54	12.89
AD630KN	AD630KN-ND	Balanced Mod/Demod 2MHz	20-Dip	23.18	21.53	20.09
AD630KNZ	AD630KNZ-ND	Balanced Mod/Demod 2MHz*	20-Dip	23.18	21.63	20.09
AD632AH	AD632AH-ND	Precision Multiplier Mono	TO-100	15.63	14.59	13.55
AD632BD	AD632BD-ND	Precision Multiplier Mono	14-CDip	55.01	51.34	47.68
AD633AN	AD633AN-ND	Multiplier Analog	8-Dip	7.10	5.68	4.80
AD633ANZ	AD633ANZ-ND	Multiplier Analog*	8-Dip	7.10	5.68	4.80
AD633ARZ	AD633ARZ-ND	Multiplier Analog*	8-SOIC	7.10	5.68	4.80
AD633JN	AD633JN-ND	Multiplier Analog	8-Dip	7.10	5.68	4.80
AD633JNZ	AD633JNZ-ND	Multiplier Analog*	8-Dip	7.10	5.68	4.80
AD633JRZ	AD633JRZ-ND	Multiplier Analog*	8-SOIC	7.10	5.68	4.80
AD7502KN	AD7502KN-ND	Analog Multiplexer 4-Channel	16-Dip	10.85	9.77	8.66
AD7569JP	AD7569JP-ND	In/Out Port 8-Bit Analog	28-PLCC	16.08	14.46	12.84

ANALOG DEVICES — ANALOG/DIGITAL AUDIO

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD1940YST	AD1940YST-ND	SigmaDSP™ Multichannel 28-Bit Audio Processor	48-LQFP	13.54	12.20	10.82
AD1940YSTZ	AD1940YSTZ-ND	SigmaDSP™ Multichannel 28-Bit Audio Processor*	48-LQFP	16.49	14.85	13.17
EVAL-AD1940EB	EVAL-AD1940EB-ND	Evaluation Board for AD1940	—	929.67	—	—
SSM2018PZ	SSM2018PZ-ND	Amp Voltage Control Audio*	16-Dip	5.68	4.55	3.84
SSM2018TPZ	SSM2018TPZ-ND	Amp Voltage Control Audio/Trimless*	16-Dip	7.10	5.68	4.80
SSM2019BNZ	SSM2019BNZ-ND	Amp Audio Self-Contained Preamp*	8-Dip	4.61	3.69	2.87
SSM2019BRN	SSM2019BRN-ND	Amp Audio Self-Contained Preamp	8-SOIC	4.61	3.69	2.87
SSM2019BRW	SSM2019BRW-ND	Amp Audio Self-Contained Preamp	16-SOIC	4.61	3.69	2.87
SSM2019BRWZ	SSM2019BRWZ-ND	Amp Audio Self-Contained Preamp*	16-SOIC	4.61	3.69	2.87
SSM2135SZ	SSM2135SZ-ND	Amp Dual Audio Single Supply*	8-SOIC	5.02	4.02	3.13
SSM2141PZ	SSM2141PZ-ND	Amp Differential Line Receiver High Common-Mode*	8-Dip	3.51	2.81	2.19
SSM2141SZ	SSM2141SZ-ND	Amp Differential Line Receiver High Common-Mode*	8-SOIC	3.51	2.81	2.19
SSM2142PZ	SSM2142PZ-ND	Amp Balance-Line Driver*	8-Dip	5.33	4.27	3.32
SSM2142SZ	SSM2142SZ-ND	Amp Balance-Line Driver*	16-SOIC	5.33	4.27	3.32
SSM2143P	SSM2143P-ND	Amp Differential Line Receiver High Common-Mode	8-Dip	3.35	2.69	2.09
SSM2143PZ	SSM2143PZ-ND	Amp Differential Line Receiver High Common-Mode*	8-Dip	3.35	2.69	2.09
SSM2143SZ	SSM2143SZ-ND	Amp Differential Line Receiver High Common-Mode*	8-SOIC	3.35	2.69	2.09
SSM2160SZ	SSM2160SZ-ND	Balance/Voltage Control Digital*	24-SOIC	10.80	9.72	8.62
SSM2164PZ	SSM2164PZ-ND	Amp Quad Voltage Controller*	16-Dip	5.86	4.69	3.96
SSM2164SZ	SSM2164SZ-ND	Amp Quad Voltage Controller*	16-SOIC	5.86	4.69	3.96
SSM2165-1S	SSM2165-1S-ND	Preamp Microphone 5V	8-SOIC	3.87	3.10	2.41
SSM2165-1SZ	SSM2165-1SZ-ND	Preamp Microphone 5V*	8-SOIC	3.87	3.10	2.41
SSM2165-2SZ	SSM2165-2SZ-ND	Preamp Microphone 5V*	8-SOIC	3.87	3.10	2.41
SSM2166SZ	SSM2166SZ-ND	Preamp Microphone 5V*	14-SOIC	5.16	4.13	3.49
SSM2210PZ	SSM2210PZ-ND	Trans Audio Dual NPN*	8-Dip	4.79	3.84	2.99

ANALOG DEVICES — ATE AND TIME DOMAIN

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADS3033JSTP	ADS3033JSTP-ND	Driver/Comparator with Heatsink	52-LQFP	47.73	44.55	41.37
ADS3040KRP	ADS3040KRP-ND	Pin Driver with Inhibit	20-PSOP	36.12	33.72	31.31
ADS3041KRP	ADS3041KRP-ND	Current Switch Load	20-PSOP	36.12	33.72	31.31
ADS3500JRP	ADS3500JRP-ND	Pin Driver High Current, High Speed	20-SOIC	36.12	33.72	31.31
ADS5220JST	ADS5220JST-ND	Single Parametric Measure	64-LQFP	31.68	29.57	27.46
ADS520JSTZ	ADS520JSTZ-ND	Single Parametric Measure*	64-LQFP	31.68	29.57	27.46
EVAL-ADS520EB	EVAL-ADS520EB-ND	Evaluation Board for ADS520 ***NEW!***	—	187.50	—	—

ANALOG DEVICES — *NEW!* AUDIO/VIDEO

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADA4430-1YKSZ-R7	ADA4430-1YKSZ-R7CT-ND	Ultra Low Power Video Filter	SC70-6	1.47	1.23	.98
ADA4430-1YKSZ-R7	ADA4430-1YKSZ-R7TR-ND	Ultra Low Power Video Filter	SC70-6	183.75/250		

ANALOG DEVICES — CCD

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD9824KCPZ	AD9824KCPZ-ND	CCD Signal Processor 14-Bit*	48-LFCSP	23.27	21.72	20.17
AD9840AJSTZ	AD9840AJSTZ-ND	CCD Signal Processor 10-Bit*	48-LQFP	9.55	8.60	7.63
AD9842AJSTZ	AD9842AJSTZ-ND	CCD Signal Processor 12-Bit*	48-LQFP	13.66	12.30	10.91
AD9845BJSTZ	AD9845BJSTZ-ND	CCD Signal Processor 12-Bit*	48-LQFP	15.91	14.10	13.10
AD9927BBCZ	AD9927BBCZ-ND	CCD Signal Processor 14-Bit*	128-CSPBGA	17.46	16.30	15.14
AD9929BBCZ	AD9929BBCZ-ND	CCD Signal Processor*	64-BGA	18.24	17.03	15.81
AD9943KCPZ	AD9943KCPZ-ND	CCD Signal Processor 10-Bit, 25MHz*	32-LFCSP	7.26	5.81	4.91
AD9945KCPZ	AD9945KCPZ-ND	CCD Signal Processor*	32-LFCSP	8.63	7.77	6.89
AD9973BBCZ	AD9973BBCZ-ND	CCD Signal Processor* ***NEW!***	84-CSPBGA	65.18	60.83	56.49

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ANALOG DEVICES — DATA COMMUNICATION

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		ASRC				
AD1890JPZ	AD1890JPZ-ND	Converter Sample Rate Async.*	28-PLCC	30.96	28.90	26.84
AD1895AYRSZ	AD1895AYRSZ-ND	Converter Sample Rate Async.*	28-SSOP	8.83	7.95	7.05
AD1896AYRSZ	AD1896AYRSZ-ND	Converter Sample Rate Asyn.*	28-SSOP	18.75	17.50	16.25
EVAL-AD1896EB	EVAL-AD1896EB-ND	Evaluation Board for AD1896 **NEW!**	—	187.50	—	—
		CODEC				
AD1835AAS	AD1835AAS-ND	Codec 2ADC/8DAC 24-Bit	52-MQFP	15.00	14.00	13.00
AD1835AASZ	AD1835AASZ-ND	Codec 2ADC/8DAC 24-Bit*	52-MQFP	15.00	14.00	13.00
AD1836AAS	AD1836AAS-ND	Codec Stereo 2ADC/3DAC	52-MQFP	15.75	14.70	13.65
AD1836AASZ	AD1836AASZ-ND	Codec Stereo 2ADC/3DAC*	52-MQFP	15.75	14.70	13.65
AD1837AAS	AD1837AAS-ND	Codec 2ADC/8DAC 24-Bit	52-MQFP	16.24	14.63	12.97
AD1838AAS	AD1838AAS-ND	Codec 2ADC/6DAC 24-Bit	52-MQFP	15.99	14.45	12.81
AD1881AJSTZ	AD1881AJSTZ-ND	Audio Codec AC'97*	48-LQFP	7.98	6.39	5.39
AD1885JST	AD1885JST-ND	Audio Codec AC'97	48-LQFP	6.22	4.98	4.20
AD1885JSTZ-ND	AD1885JSTZ-ND	Audio Codec AC'97 ★ **NEW!**	48-LQFP	6.22	4.98	4.20
AD1938YSTZ	AD1938YSTZ-ND	Codec 4ADC/8DAC 24-Bit* **NEW!**	48-LQFP	13.01	11.72	10.39
AD1939YSTZ	AD1939YSTZ-ND	Codec 4ADC/8DAC 24-Bit* **NEW!**	64-LQFP	14.06	12.66	11.23
AD1980JST	AD1980JST-ND	Codec Stereo 6DAC 20-Bit	48-LQFP	7.60	6.08	5.13
AD1980JSTZ	AD1980JSTZ-ND	Codec Stereo 6DAC 20-Bit*	48-LQFP	7.60	6.08	5.13
AD1981BJST	AD1981BJST-ND	Codec Stereo Microprearp	48-LQFP	7.94	6.36	5.36
AD1981BJSTZ	AD1981BJSTZ-ND	Codec Stereo Microprearp*	48-LQFP	7.94	6.36	5.36
AD1983JCPZ	AD1983JCPZ-ND	HD Audio SoundMAX® Codec* **NEW!**	32-LFCSP	5.18	4.15	3.50
AD1985JST	AD1985JST-ND	Codec Stereo 6DAC 20-Bit	48-LQFP	7.60	6.08	5.13
AD74111YRU	AD74111YRU-ND	Codec Mono Audio Low Power	16-TSSOP	5.88	4.71	3.97
EVAL-AD74111EB	EVAL-AD74111EB-ND	Evaluation Board for AD74111 **NEW!**	—	187.50	—	—
ADAU1328BSTZ	ADAU1328BSTZ-ND	Codec 2ADC/8DAC 24-Bit* **NEW!**	48-LQFP	8.85	7.97	7.07
ADAV801ASTZ	ADAV801ASTZ-ND	Audio Codec for Recordable DVD*	64-LQFP	15.36	14.34	13.32
ADAV803ASTZ	ADAV803ASTZ-ND	Audio Codec for Recordable DVD*	64-LQFP	15.36	14.34	13.32
ADV601JS12	ADV601JS12-ND	Codec Video 32-Bit	160-MQFP	65.73	61.35	56.97
ADV611JST	ADV611JST-ND	Codec Digital CCTV	120-LQFP	59.28	55.33	51.38
ADV611JSTZ	ADV611JSTZ-ND	Codec Digital CCTV*	120-LQFP	59.28	55.33	51.38
ADV7202KST	ADV7202KST-ND	Codec Video 10-Bit	64-LQFP	12.79	11.52	10.22
EVAL-ADV7202EB	EVAL-ADV7202EB-ND	Evaluation Board for ADV7202 **NEW!**	—	195.00	—	—
		DAS				
AD974BRZ	AD974BRZ-ND	DAS 16-Bit, 4-Channel 200KSPS*	28-SOIC	57.96	54.10	50.24
AD974BRSZ	AD974BRSZ-ND	DAS 16-Bit, 4-Channel 200KSPS*	28-SSOP	57.96	54.10	50.24
AD7581KN	AD7581KN-ND	DAS 8-Bit, 8-Channel	28-Dip	25.67	23.96	22.25
AD7581LN	AD7581LN-ND	DAS 8-Bit, 8-Channel	28-Dip	29.81	27.82	25.84
AD7716BP	AD7716BP-ND	DAS 22-Bit LC2MOS	44-PLCC	55.64	51.93	48.22
AD7716BSZ	AD7716BSZ-ND	DAS 22-Bit LC2MOS*	44-PQFP	55.64	51.93	48.22
AD7874ANZ	AD7874ANZ-ND	DAS 12-Bit, 4-Channel LC2MOS*	28-Dip	49.52	46.22	42.92
AD7874AR	AD7874AR-ND	DAS 12-Bit, 4-Channel LC2MOS	28-SOIC	48.06	44.86	41.66
AD7874ARZ	AD7874ARZ-ND	DAS 12-Bit, 4-Channel LC2MOS*	28-SOIC	48.06	44.86	41.66
AD7874SQ	AD7874SQ-ND	DAS 12-Bit, 4-Channel LC2MOS	28-CDip	186.77	174.32	161.87
AD7890ARZ-10	AD7890ARZ-10-ND	DAS 12-Bit*	24-SOIC	18.00	16.80	15.60
AD7890BR-10	AD7890BR-10-ND	DAS 12-Bit	24-SOIC	23.70	22.12	20.54
AD7890BRZ-10	AD7890BRZ-10-ND	DAS 12-Bit*	24-SOIC	23.70	22.12	20.54
AD7891APZ-1	AD7891APZ-1-ND	DAS 12-Bit, 8-Channel High Speed*	44-PLCC	26.25	24.50	22.75
AD7891AS-1	AD7891AS-1-ND	DAS 12-Bit, 8-Channel High Speed	44-MQFP	26.25	24.50	22.75
AD7891AS-2	AD7891AS-2-ND	DAS 12-Bit, 8-Channel High Speed	44-MQFP	26.25	24.50	22.75
AD7891ASZ-1	AD7891ASZ-1-ND	DAS 12-Bit, 8-Channel High Speed*	44-MQFP	26.25	24.50	22.75
AD7891YP-1	AD7891YP-1-ND	DAS 12-Bit, 8-Channel High Speed	44-PLCC	56.40	52.64	48.88
		Modem Applications				
AD9860BST	AD9860BST-ND	Front-End Mixed-Signal	128-LQFP	24.26	22.64	21.03
AD9861BCP-50	AD9861BCP-50-ND	Front-End Mixed-Signal	64-LFCSP	18.90	17.64	16.38
AD9861BCPZ-50	AD9861BCPZ-50-ND	Front-End Mixed-Signal*	64-LFCSP	18.90	17.64	16.38
AD9861BCP-80	AD9861BCP-80-ND	Front-End Mixed-Signal	64-LFCSP	23.90	22.31	20.71
AD9862BST	AD9862BST-ND	Front-End Mixed-Signal	128-LQFP	52.50	49.00	45.50
AD9862BSTZ	AD9862BSTZ-ND	Front-End Mixed-Signal*	128-LQFP	52.50	49.00	45.50
AD9863BCP-50	AD9863BCP-50-ND	Front-End Mixed-Signal	64-LFCSP	37.80	35.28	32.76
AD9863BCPZ-50	AD9863BCPZ-50-ND	Front-End Mixed-Signal*	64-LFCSP	37.80	35.28	32.76
AD9865BCP	AD9865BCP-ND	Front-End Mixed-Signal	64-LFCSP	17.57	16.40	15.23
AD9866BCP	AD9866BCP-ND	Front-End Mixed-Signal	64-LFCSP	32.75	30.57	28.38
AD9878EST	AD9878EST-ND	Front-End Mixed-Signal	100-LQFP	20.52	19.16	17.79
AD9879BS	AD9879BS-ND	Front-End Mixed-Signal	100-MQFP	18.18	16.97	15.76
AD9975BST	AD9975BST-ND	Front-End Mixed-Signal	48-LQFP	16.32	15.24	14.15

ANALOG DEVICES — DATA CONVERSION

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		Analog-to-Digital				
AD570JD	AD570JD-ND	ADC 8-Bit Mono with Clock	18-Dip	58.11	54.24	50.37
AD573JNZ	AD573JNZ-ND	ADC 10-Bit SAR Register*	20-Dip	34.88	32.55	30.23
AD573JP	AD573JP-ND	ADC 10-Bit SAR Register	20-PLCC	34.88	32.55	30.23
AD573JPZ	AD573JPZ-ND	ADC 10-Bit SAR Register* **NEW!**	20-PLCC	34.88	32.55	30.23
AD574AJD	AD574AJD-ND	ADC 12-Bit with Reference	28-Dip	42.90	40.04	37.18
AD574AJNZ	AD574AJNZ-ND	ADC 12-Bit with Reference*	28-Dip	31.83	29.71	27.59
AD574AJP	AD574AJP-ND	ADC 12-Bit with Reference	28-PLCC	33.39	31.17	28.94
AD574AKD	AD574AKD-ND	ADC 12-Bit with Reference	28-Dip	56.21	52.46	48.72
AD574AKNZ	AD574AKNZ-ND	ADC 12-Bit with Reference*	28-Dip	42.14	39.33	36.52
AD574AKP	AD574AKP-ND	ADC 12-Bit with Reference	28-PLCC	37.35	34.86	32.37
AD574ASD	AD574ASD-ND	ADC 12-Bit with Reference	28-CDip	136.64	127.53	118.42
AD574AUD	AD574AUD-ND	ADC 12-Bit with Reference	28-Dip	256.26	239.18	222.10
AD670JNZ	AD670JNZ-ND	ADC 9-Bit Signal Condition*	20-Dip	16.41	15.32	14.23
AD673JD	AD673JD-ND	ADC 8-Bit with Ref./Clock/Comparator	20-Dip	33.32	31.10	28.88
AD673JN	AD673JN-ND	ADC 8-Bit with Ref./Clock/Comparator*	20-Dip	16.41	15.32	14.23
AD674BAD	AD674BAD-ND	ADC 12-Bit Mono 3-Output	28-Dip	46.91	43.78	40.66
AD674BBRZ	AD674BBRZ-ND	ADC 12-Bit Mono 3-Output*	28-SOIC	57.83	53.97	50.12
AD676BD	AD676BD-ND	ADC 16-Bit, 100KSPS	28-Dip	106.56	99.46	92.36
AD676JN	AD676JN-ND	ADC 16-Bit, 100KSPS	28-Dip	54.08	50.47	46.87
AD676KD	AD676KD-ND	ADC 16-Bit, 100KSPS	28-Dip	85.26	79.58	73.90
AD677AD	AD677AD-ND	ADC 16-Bit, 100KSPS	16-Dip	83.48	77.91	72.35
AD677JN	AD677JN-ND	ADC 16-Bit, 100KSPS	16-Dip	50.13	46.79	43.45
AD677JNZ	AD677JNZ-ND	ADC 16-Bit, 100KSPS*	16-Dip	50.13	46.79	43.45
AD677JR	AD677JR-ND	ADC 16-Bit, 100KSPS	28-SOIC	45.68	45.43	42.19
AD677JRZ	AD677JRZ-ND	ADC 16-Bit, 100KSPS*	28-SOIC	64.90	51.92	43.81
AD677KN	AD677KN-ND	ADC 16-Bit, 100KSPS	16-Dip	58.98	55.05	51.12
AD677KR	AD677KR-ND	ADC 16-Bit, 100KSPS	28-SOIC	57.26	53.44	49.63
AD677KRZ	AD677KRZ-ND	ADC 16-Bit, 100KSPS*	28-SOIC	57.26	53.44	49.63
AD678AJ	AD678AJ-ND	ADC 12-Bit, 200KSPS	44-JLCC	103.71	96.80	89.89
AD678BD	AD678BD-ND	ADC 12-Bit, 200KSPS	28-Dip	108.35	101.13	93.90
AD678JN	AD678JN-ND	ADC 12-Bit, 200KSPS	28-Dip	49.67	46.36	43.05
AD678JNZ	AD678JNZ-ND	ADC 12-Bit, 200KSPS*	28-Dip	49.67	46.36	43.05
AD679JNZ	AD679JNZ-ND	ADC 14-Bit, 128KSPS*	28-Dip	54.63	50.99	47.35
AD779KD	AD779KD-ND	ADC 14-Bit Sampling	28-Cdip	91.35	85.26	79.17
AD872AJD	AD872AJD-ND	ADC 12-Bit, 10MSPS	28-CDip	241.17	225.10	209.02
AD876JR	AD876JR-ND	ADC CMOS 10-Bit, 20MSPS	28-SOIC	7.40	5.92	5.00
AD876JSTZ	AD876JSTZ-ND	ADC CMOS 10-Bit 20MSPS* **NEW!**	48-LQFP	12.41	11.18	9.91
AD976AAN	AD976AAN-ND	ADC 16-Bit, 200KSPS	28-Dip	47.27	44.12	40.97
AD976AANZ	AD976AANZ-ND	ADC 16-Bit, 200KSPS*	28-Dip	47.27	44.12	40.97
AD976AAR	AD976AAR-ND	ADC 16-Bit, 200KSPS	28-SOIC	45.89	42.83	39.77
AD976AARZ	AD976AARZ-ND	ADC 16-Bit, 200KSPS*	28-SOIC	45.89	42.83	39.77
AD976ABN	AD976ABN-ND	ADC 16-Bit, 200KSPS	28-Dip	59.09	55.15	51.21
AD976ABNZ	AD976ABNZ-ND	ADC 16-Bit, 200KSPS*	28-Dip	59.09	55.15	51.21
AD976ABRSZ	AD976ABRSZ-ND	ADC 16-Bit, 200KSPS*	28-SSOP	57.36	53.54	49.72
AD976ARRZ	AD976ARRZ-ND	ADC 16-Bit, 200KSPS*	28-SSOP	57.36	53.54	49.72
AD976ANZ	AD976ANZ-ND	ADC 16-Bit, 100KSPS*	28-Dip	37.80	35.28	32.76
AD976AR	AD976AR-ND	ADC 16-Bit, 100KSPS	28-SOIC	36.71	34.26	31.82
AD976ARZ	AD976ARZ-ND	ADC 16-Bit, 100KSPS*	28-SOIC	36.71	34.26	31.82
AD976ARS	AD976ARS-ND	ADC 16-Bit, 100KSPS	28-SSOP	36.71	34.26	31.82
AD976ARSZ	AD976ARSZ-ND	ADC 16-Bit, 200KSPS*	28-SSOP	36.71	34.26	31.82
AD976BRZ	AD976BRZ-ND	ADC 16-Bit, 100KSPS*	28-SOIC	45.89	42.83	39.77
AD976CN	AD976CN-ND	ADC 16-Bit, 100KSPS	28-Dip	29.03	27.09	25.16
EVAL-AD976ACB	EVAL-AD976ACB-ND	Evaluation Board for AD976 **NEW!**	—	162.83	—	—
AD977AAR	AD977AAR-ND	ADC 16-Bit, 200KSPS	20-SOIC	45.89	42.83	39.77
AD977AARSZ	AD977AARSZ-ND	ADC 16-Bit, 200KSPS*	28-SSOP	45.89	42.83	39.77
AD977ABN	AD977ABN-ND	ADC 16-Bit, 200KSPS	20-Dip	59.09	55.15	51.21
AD977ABNZ	AD977ABNZ-ND	ADC 16-Bit, 200KSPS* **NEW!**	20-Dip	59.09	55.15	51.21
AD977ABR	AD977ABR-ND	ADC 16-Bit, 200KSPS	20-SOIC	57.36	53.54	49.72
AD977ABRZ	AD977ABRZ-ND	ADC 16-Bit, 200KSPS*	20-SOIC	57.36	53.54	49.72
AD977ABRSZ	AD977ABRSZ-ND	ADC 16-Bit, 200KSPS*	28-SSOP	57.36	53.54	49.72
AD977ANZ	AD977ANZ-ND	ADC 16-Bit, 100KSPS*	20-Dip	37.80	35.28	32.76
AD977AR	AD977AR-ND	ADC 16-Bit, 100KSPS	20-SOIC	36.71	34.26	31.82
AD977ARZ	AD977ARZ-ND	ADC 16-Bit, 100KSPS*	20-SOIC	36.71	34.26	31.82
AD977BR	AD977BR-ND	ADC 16-Bit, 100KSPS	20-SOIC	45.89	42.83	39.77
AD977CNZ	AD977CNZ-ND	ADC 16-Bit, 100KSPS*	20-Dip	29.03	27.09	25.16
AD1376KD	AD1376KD-ND	ADC Single 16-Bit	32-Dip	375.00	350.00	325.00
AD1377JD	AD1377JD-ND	ADC Single 16-Bit	32-Dip	420.69	392.65	364.60
AD1377KD	AD1377KD-ND	ADC Single 16-Bit	32-Dip	525.87	490.82	455.76
AD1674JNZ	AD1674JNZ-ND	ADC 12-Bit, 100KSPS*	28-Dip	25.47	23.78	22.08
AD1674BD	AD1674BD-ND	ADC 12-Bit, 100KSPS	28-Dip	58.74	54.83	50.91
AD1674BRZ	AD1674BRZ-ND	ADC 12-Bit, 100KSPS*	28-SOIC	35.34	32.99	30.63
AD1674JNZ	AD1674JNZ-ND	ADC 12-Bit, 100KSPS*	28-Dip	22.49	20.99	19.49
AD1674JRZ	AD1674JRZ-ND	ADC 12-Bit, 100KSPS*	28-SOIC	21.83	20.37	18.92
AD1674KNZ	AD1674KNZ-ND	ADC 12-Bit, 100KSPS*	28-Dip	31.47	29.38	27.28
AD1674KR	AD1674KR-ND	ADC 12-Bit, 100KSPS	28-SOIC	30.54	28.51	26.47
AD1674KRZ	AD1674KRZ-ND	ADC 12-Bit, 100KSPS*	28-SOIC	30.54	28.51	26.47
AD1674TD	AD1674TD-ND	ADC 12-Bit, 100KSPS	28-Dip	110.15	102.81	95.46
AD1871YRSZ	AD1871YRSZ-ND	ADC Stereo Audio 24-Bit*	28-SSOP	9.38	8.45	7.49
EVAL-AD1871EB	EVAL-AD1871EB-ND	Evaluation Board for AD1871 **NEW!**	—	198.34	—	—
AD1877JRZ	AD1877JRZ-ND	ADC Stereo 16-Bit*	28-SOIC	12.03	10.83	9.61
AD6640AST	AD6640AST-ND	ADC 12-Bit, 65MSPS	44-LQFP	51.29	47.87	44.45
AD6644ASTZ-40	AD6644ASTZ-40-ND	ADC 14-Bit, 40MSPS*	52-LQFP	51.30	47.88	44.46
AD6644ASTZ-65	AD6644ASTZ-65-ND	ADC 14-Bit, 65MSPS*	52-LQFP	58.85	54.26	59.67
AD6645ASQ-80	AD6645ASQ-80-ND	ADC 14-Bit, 80MSPS	52-LQFP-PQ4	77.12	71.98	66.84
AD6645ASQZ-80	AD6645ASQZ-80-ND	ADC 14-Bit, 80MSPS*	52-LQFP-PQ4	77.12	71.98	66.84
AD6645-80PCB	AD6645-80PCB-ND	Evaluation Board ADC 80MSPS AD6645	—	225.00	—	—
AD6645ASQ-105	AD6645ASQ-105-ND	ADC 14-Bit, 105MSPS	52-LQFP-PQ4	98.82	92.24	85.65
AD6645-105/PCB	AD6645-105PCB-ND	Evaluation Board ADC 105MSPS AD6645	—	258.00	—	—
AD6650BBCZ	AD6650BBCZ-ND	Diversity IF-to-Baseband GSM/EDGE Narrow-Band Receiver **NEW!**	121-BGA	30.96	28.90	26.84
AD7321BRUZ	AD7321BRUZ-ND	ADC 500KSPS, 2-Ch., Software Selectable, True Bipolar In, 12-Bit+*	14-TSSOP	7.06	5.65	4.77
AD7322BRUZ	AD7322BRUZ-ND	ADC 2-Ch., Software Selectable, True Bipolar In, 12-Bit+*	14-TSSOP	9.31	8.39	7.44
AD7323BRUZ	AD7323BRUZ-ND	ADC 500KSPS, 4-Ch., Software Selectable, True Bipolar In, 12-Bit+*	16-TSSOP	8.52	6.82	5.76
AD7324BRUZ	AD7324BRUZ-ND	ADC 4-Ch., Software Selectable, True Bipolar In, 12-Bit+*	16-TSSOP	11.26	10.14	9.00
AD7327BRUZ	AD7327BRUZ-ND	ADC 500KSPS, 8-Ch., Software Selectable, True Bipolar In, 12-Bit+*	20-TSSOP	9.28	7.43	6.27
AD7328BRUZ	AD7328BRUZ-ND	ADC 8-Ch., Software Selectable, True Bipolar In, 12-Bit+*	20-TSSOP	12.25	11.03	9.78
EVAL-AD7328CB	EVAL-AD7328CB-ND	Evaluation Board for AD7328 **NEW!**	—	168.75	—	—
AD7329BRUZ	AD7329BRUZ-ND	ADC 8-Ch., Software Selectable, True Bipolar In, 12-Bit+* **NEW!**	24-TSSOP	12.25	11.03	9.78
EVAL-AD7329CB	EVAL-AD7329CB-ND	Evaluation Board for AD7329 **NEW!**	—	168.75	—	—
AD7440BRM	AD7440BRM-ND	ADC 10-Bit Differential-In 1MSPS	8-MSOP	5.88	4.71	3.97
AD7440BRT-R2	AD7440BRT-R2CT-ND	ADC 10-Bit Diff.-In 1MSPS	SOT-23-8	5.88	4.71	3.97
AD7440BRT-R2TR	AD7440BRT-R2TR-ND	ADC 10-Bit Diff.-In 1MSPS	SOT-23-8		955.50/250	
AD7440BRTZ-R2	AD7440BTZ-R2CT-ND	ADC 10-Bit Diff.-In 1MSPS*	SOT-23-8	5.88	4.71	3.97
AD7440BRTZ-R2	AD7440BTZ-R2TR-ND	ADC 10-Bit Diff.-In 1MSPS*	SOT-23-8		955.50/250	
AD7441BRM	AD7441BRM-ND	ADC 10-Bit PSDO-In 1MSPS	8-MSOP	5.88	4.71	3.97
AD7441BRMZ	AD7441BRMZ-ND	ADC 10-Bit PSDO-In 1MSPS* **NEW!**	8-MSOP	6.62	5.30	4.12
AD7441BRT-R2	AD7441BRT-R2TR-ND	ADC 10-Bit PSDO-In 1MSPS	SOT-23-8		955.50/250	
AD7450ABRM	AD7450ABRM-ND	ADC 12-Bit Differential-In 1MSPS	8-MSOP	8.53	7.68	6.81
AD7450ABRT-R2	AD7450ABRT-R2CT-ND	ADC 12-Bit Differential-In 1MSPS	SOT-23-8	8.53	7.68	6.81
AD7450ABRT-R2TR	AD7450ABRT-R2TR-ND	ADC 12-Bit Differential-In 1MSPS	SOT-23-8		1632.00/250	
AD7450AR	AD7450AR-ND	ADC 12-Bit Differential-In 1MSPS	8-SOIC	9.42	7.54	6.36
AD7450ARM	AD7450ARM-ND	ADC 12-Bit Differential-In 1MSPS	8-MSOP	9.42	7.54	6.36
AD7450BR	AD7450BR-ND	ADC 12-Bit Differential-In 1MSPS	8-SOIC	8.53	7.68	6.81
AD7450BRZ	AD7450BRZ-ND	ADC 12-Bit Diff.-In 1MSPS* **NEW!**	8-SOIC	8.53	7.68	6.81
AD7450BRM	AD7450BRM-ND	ADC 12-Bit Differential-In 1MSPS	8-MSOP	8.53	7.68	6.81
AD7450BRMZ	AD7450BRMZ-ND	ADC 12-Bit Diff.-In 1MSPS* **NEW!**	8-MSOP	8.53	7.68	6.81
EVAL-AD7450CB	EVAL-AD7450CB-ND	Evaluation Board for AD7450 **NEW!**	—	146.25	—	—
AD7451ARM	AD7451ARM-ND	ADC 12-Bit PSDO-In 1MSPS	8-MSOP	9.33	7.50	6.65
AD7451ART-R2	AD7451ART-R2CT-ND	ADC 12-Bit PSDO-In 1MSPS	SOT-23-8	9.33	7.50	6.65
AD7451ART-R2	AD7451ART-R2TR-ND	ADC 12-Bit PSDO-In 1MSPS	SOT-23-8		1593.75/250	
AD7451BRM	AD7451BRM-ND	ADC 12-Bit PSDO-In 1MSPS	8-MSOP	8.91	8.03	7.12
AD7451BRT-R2	AD7451BRT-R2CT-ND	ADC 12-Bit PSDO-In 1MSPS	SOT-23-8	8.91	8.03	7.12
AD7451BRT-R2	AD7451BRT-R2TR-ND	ADC 12-Bit PSDO-In 1MSPS	SOT-23-8		1705.25/250	
AD7452BRT-R2	AD7452BRT-R2CT-ND	ADC 12-Bit, 555KSPS	SOT-23-8	6.94	5.56	4.89
AD7452BRT-R2	AD7452BRT-R2TR-ND	ADC 12-Bit, 555KSPS	SOT-23-8		1127.75/250	

★ RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7453BRT-R2	AD7453BRT-R2CT-ND	ADC 12-Bit, 555KSPS	SOT-23-8	6.94	5.56	4.69
AD7453BRT-R2	AD7453BRT-R2TR-ND	ADC 12-Bit, 555KSPS	SOT-23-8		1127.75/250	
AD7453BRTZ-R2	AD7453BRTZ-R2CT-ND	ADC 12-Bit, 555KSPS*	SOT-23-8	6.94	5.56	4.69
AD7453BRTZ-R2	AD7453BRTZ-R2TR-ND	ADC 12-Bit, 555KSPS*	SOT-23-8		1112.75/250	
AD7457BRT-REEL7	AD7457BRT-REEL7TR-ND	ADC 12-Bit, 100KSPS	SOT-23-8		7749.00/3,000	
AD7457BRTZ-REEL7	AD7457BRTZ-REEL7CT-ND	ADC 12-Bit, 100KSPS*	SOT-23-8	4.61	3.69	2.87
AD7457BRTZ-REEL7	AD7457BRTZ-REEL7TR-ND	ADC 12-Bit, 100KSPS*	SOT-23-8		7749.00/3,000	
AD7466BRM	AD7466BRM-ND	ADC 12-Bit Micropower 1.6V	8-MSOP	5.52	4.42	3.73
AD7466BRMZ	AD7466BRMZ-ND	ADC 12-Bit Micropower 1.6V*	8-MSOP	5.52	4.42	3.73
AD7466BR-R2	AD7466BR-R2CT-ND	ADC 12-Bit Micropower 1.6V	SOT-23-6	5.52	4.42	3.73
AD7466BR-R2	AD7466BR-R2TR-ND	ADC 12-Bit Micropower 1.6V	SOT-23-6		897.00/250	
AD7466BRTZ-REEL7	AD7466BRTZ-REEL7CT-ND	ADC 12-Bit Micropower 1.6V*	SOT-23-6	5.29	4.23	3.29
AD7466BRTZ-REEL7	AD7466BRTZ-REEL7TR-ND	ADC 12-Bit Micropower 1.6V*	SOT-23-6		8883.00/3,000	
AD7467BRM	AD7467BRM-ND	ADC 10-Bit Micropower 1.6V	8-MSOP	5.04	4.04	3.14
AD7467BR-R2	AD7467BR-R2CT-ND	ADC 10-Bit Micropower 1.6V	SOT-23-6	5.04	4.04	3.14
AD7467BR-R2	AD7467BR-R2TR-ND	ADC 10-Bit Micropower 1.6V	SOT-23-6		744.75/250	
AD7468BRM	AD7468BRM-ND	ADC 8-Bit Micropower 1.6V	8-MSOP	3.04	2.43	1.89
AD7468BRMZ	AD7468BRMZ-ND	ADC 8-Bit Micropower 1.6V*	8-MSOP	3.04	2.43	1.89
AD7468BR-R2	AD7468BR-R2CT-ND	ADC 8-Bit Micropower 1.6V	SOT-23-6	3.04	2.43	1.89
AD7468BR-R2	AD7468BR-R2TR-ND	ADC 8-Bit Micropower 1.6V	SOT-23-6		449.00/250	
AD7468BRTZ-REEL7	AD7468BRTZ-REEL7CT-ND	ADC 8-Bit Micropower 1.6V*	SOT-23-6	2.59	2.07	1.61
AD7468BRTZ-REEL7	AD7468BRTZ-REEL7TR-ND	ADC 8-Bit Micropower 1.6V*	SOT-23-6		4347.00/3,000	
AD7470ARU	AD7470ARU-ND	ADC 10-Bit, 1.75MSPS	24-TSSOP	7.06	5.65	4.77
AD7470ARUZ	AD7470ARUZ-ND	ADC 10-Bit, 1.75MSPS*	24-TSSOP	7.06	5.65	4.77
AD7475BR	AD7475BR-ND	ADC 12-Bit, 1MSPS	8-SOIC	9.60	8.64	7.67
AD7475BRZ	AD7475BRZ-ND	ADC 12-Bit, 1MSPS* **NEW!**	8-SOIC	9.60	8.64	7.67
AD7475BRM	AD7475BRM-ND	ADC 12-Bit, 1MSPS	8-MSOP	9.80	8.82	7.83
AD7476ABKSZ-REEL7	AD7476ABKSZREEL7-ND	ADC 12-Bit, 2.35V, 1MSPS*	SC70-6	8.33	7.50	6.65
AD7476ABKSZ-REEL7R	AD7476ABKSZREEL7R-ND	ADC 12-Bit, 2.35V, 1MSPS*	SC70-6		18225.00/3,000	
AD7476ABRM	AD7476ABRM-ND	ADC 12-Bit, 2.35V, 1MSPS	8-MSOP	8.81	7.94	7.04
AD7476ABRMZ	AD7476ABRMZ-ND	ADC 12-Bit, 2.35V, 1MSPS*	8-MSOP	8.81	7.94	7.04
AD7476ARTZ-500RL7	AD7476ARTZ-500RLCT-ND	ADC 12-Bit, 2.35V, 1MSPS*	SOT-23-6	8.42	6.74	5.69
AD7476ARTZ-500RL7	AD7476ARTZ-500RLTR-ND	ADC 12-Bit, 2.35V, 1MSPS*	SOT-23-6		2673.50/500	
AD7476AYRM	AD7476AYRM-ND	ADC 12-Bit, 2.35V, 1MSPS	8-MSOP	11.76	10.59	9.39
AD7476AYRMZ	AD7476AYRMZ-ND	ADC 12-Bit, 2.35V, 1MSPS*	8-MSOP	11.76	10.59	9.39
AD7477AARM	AD7477AARM-ND	ADC 10-Bit, 2.35V, 1MSPS	8-MSOP	5.88	4.71	3.97
AD7477AARMZ	AD7477AARMZ-ND	ADC 10-Bit, 2.35V, 1MSPS*	8-MSOP	5.88	4.71	3.97
AD7477ARTZ-500RL7	AD7477ARTZ500RLCT-ND	ADC 10-Bit, 2.35V, 1MSPS*	SOT-23-6	5.50	4.40	3.72
AD7477ARTZ-500RL7	AD7477ARTZ500RLTR-ND	ADC 10-Bit, 2.35V, 1MSPS*	SOT-23-6		1746.50/500	
AD7478AARM	AD7478AARM-ND	ADC 8-Bit, 2.35V, 1MSPS	8-MSOP	2.52	2.02	1.57
AD7478AARMZ	AD7478AARMZ-ND	ADC 8-Bit, 2.35V, 1MSPS*	8-MSOP	2.52	2.02	1.57
AD7478ART-500RL7	AD7478ART500RLCT-ND	ADC 8-Bit, 2.35V, 1MSPS*	SOT-23-6	2.70	2.16	1.68
AD7478ART-500RL7	AD7478ART500RLTR-ND	ADC 8-Bit, 2.35V, 1MSPS*	SOT-23-6		780.00/500	
AD7478ARTZ-REEL7	AD7478ARTZ-REEL7CT-ND	ADC 8-Bit, 2.35V, 1MSPS*	SOT-23-6	2.36	1.90	1.43
AD7478ARTZ-REEL7	AD7478ARTZ-REEL7TR-ND	ADC 8-Bit, 2.35V, 1MSPS*	SOT-23-6		3648.00/3,000	
AD7482AST	AD7482AST-ND	ADC 12-Bit SAR 3MSPS	48-LQFP	13.63	12.27	10.88
AD7482BST	AD7482BST-ND	ADC 12-Bit SAR 3MSPS	48-LQFP	16.34	14.72	13.05
AD7482BSTZ	AD7482BSTZ-ND	ADC 12-Bit SAR 3MSPS*	48-LQFP	16.34	14.72	13.05
AD7484BST	AD7484BST-ND	ADC 14-Bit SAR 3MSPS	48-LQFP	21.18	19.77	18.36
AD7484BSTZ	AD7484BSTZ-ND	ADC 14-Bit SAR 3MSPS*	48-LQFP	21.18	19.77	18.36
EVAL-AD7484CB	EVAL-AD7484CB-ND	Evaluation Board for AD7484 **NEW!**	—	146.25	—	—
AD7485BST	AD7485BST-ND	ADC 14-Bit SAR 1MSPS	48-LQFP	15.89	14.83	13.77
AD7490BCPZ	AD7490BCPZ-ND	ADC 12-Bit, 16-Channel, 1MSPS*	32-LFCSP	11.66	10.50	9.31
AD7490BRUZ	AD7490BRUZ-ND	ADC 12-Bit, 16-Channel, 1MSPS*	28-TSSOP	11.66	10.50	9.31
EVAL-AD7490CB	EVAL-AD7490CB-ND	Evaluation Board for AD7490 **NEW!**	—	146.25	—	—
AD7572AJN10	AD7572AJN10-ND	ADC 12-Bit High Speed LC2MOS	24-Dip	18.60	17.36	16.12
AD7572AQ05	AD7572AQ05-ND	ADC 12-Bit High Speed LC2MOS	24-Cdip	66.27	61.86	57.44
AD7574JNZ	AD7574JNZ-ND	ADC 8-Bit CMOS 5V*	18-Dip	12.41	11.18	9.91
AD7574JP-ND	AD7574JP-ND	ADC 8-Bit CMOS Track-Hold	20-PLCC	9.46	8.54	7.57
AD7578KNZ	AD7578KNZ-ND	ADC 12-Bit Low Power*	24-Dip	29.73	27.75	25.77
AD7582KNZ	AD7582KNZ-ND	ADC 12-Bit CMOS*	28-Dip	35.57	33.20	30.83
AD7582KPZ	AD7582KPZ-ND	ADC 12-Bit CMOS* **NEW!**	28-PLCC	40.76	38.04	35.33
AD7641BCPZ	AD7641BCPZ-ND	ADC 18-Bit, SAR 2MSPS*	48-LFCSP	54.68	51.03	47.39
AD7641BSTZ	AD7641BSTZ-ND	ADC 18-Bit, SAR 2MSPS*	48-LQFP	54.68	51.03	47.39
EVAL-AD7641CB	EVAL-AD7641CB-ND	Evaluation Board for AD7641 **NEW!**	—	146.25	—	—
AD7643BCPZ	AD7643BCPZ-ND	ADC 18-Bit, 1.25MSPS PulSAR® **NEW!**	48-LFCSP	49.70	46.39	43.07
AD7650AST	AD7650AST-ND	ADC 16-Bit, 570KSPS	48-LQFP	13.83	12.45	11.04
AD7651ACP	AD7651ACP-ND	ADC 16-Bit, 100KSPS	48-LFCSP	13.73	12.36	10.96
AD7651AST	AD7651AST-ND	ADC 16-Bit, 100KSPS	48-LQFP	13.73	12.36	10.96
AD7652ACP	AD7652ACP-ND	ADC 16-Bit, 500KSPS with Reference	48-LFCSP	15.62	14.58	13.54
AD7652AST	AD7652AST-ND	ADC 16-Bit, 500KSPS with Reference	48-LQFP	15.62	14.58	13.54
AD7653ACP	AD7653ACP-ND	ADC 16-Bit, 1MSPS with Reference	48-LFCSP	19.08	17.81	16.54
AD7653AST	AD7653AST-ND	ADC 16-Bit, 1MSPS with Reference*	48-LQFP	19.08	17.81	16.54
EVAL-AD7653CB	EVAL-AD7653CB-ND	Evaluation Board for AD7653	—	168.75	—	—
AD7654ACP	AD7654ACP-ND	ADC 16-Bit, 500KSPS Dual	48-LFCSP	25.59	23.89	22.18
AD7654AST	AD7654AST-ND	ADC 16-Bit, 500KSPS Dual*	48-LQFP	25.59	23.89	22.18
EVAL-AD7654CB	EVAL-AD7654CB-ND	Evaluation Board for AD7654 **NEW!**	—	146.25	—	—
AD7655ACP	AD7655ACP-ND	ADC 16-Bit, 1MSPS Quad	48-LFCSP	15.68	14.63	13.59
AD7655ACPZ	AD7655ACPZ-ND	ADC 16-Bit, 1MSPS Quad*	48-LFCSP	15.68	14.63	13.59
AD7655AST2	AD7655AST2-ND	ADC 16-Bit, 1MSPS Quad*	48-LQFP	15.68	14.63	13.59
EVAL-AD7655CB	EVAL-AD7655CB-ND	Evaluation Board for AD7655 **NEW!**	—	146.25	—	—
AD7656BSTZ	AD7656BSTZ-ND	ADC 16-Bit 250KSPS, 6-Ch.* **NEW!**	64-LQFP	30.00	28.00	26.00
EVAL-AD7656CB	EVAL-AD7656CB-ND	Evaluation Board for AD7656 **NEW!**	—	168.75	—	—
AD7658BSTZ	AD7658BSTZ-ND	ADC 12-Bit 250KSPS, 6-Ch.* **NEW!**	64-LQFP	18.71	17.46	16.22
AD7660AST	AD7660AST-ND	ADC 16-Bit Unipolar	48-LQFP	15.66	14.10	12.51
AD7661AST	AD7661AST-ND	ADC 16-Bit with Reference	48-LQFP	15.48	14.84	13.16
EVAL-AD7661CB	EVAL-AD7661CB-ND	Evaluation Board for AD7661 **NEW!**	—	146.25	—	—
AD7663AST2	AD7663AST2-ND	ADC 16-Bit, 250KSPS*	48-LQFP	19.08	17.81	16.54
EVAL-AD7663CB	EVAL-AD7663CB-ND	Evaluation Board for AD7663 **NEW!**	—	146.25	—	—
AD7664ASTZ	AD7664ASTZ-ND	ADC 16-Bit Unipolar*	48-LQFP	30.95	28.89	26.82
AD7665ASTZ	AD7665ASTZ-ND	ADC 16-Bit CMOS 5V*	48-LQFP	31.52	29.42	27.32
AD7665ASTZRL	AD7665ASTZRLCT-ND	ADC 16-Bit CMOS 5V*	48-LQFP	31.52	29.42	27.32
AD7665ASTZRL	AD7665ASTZRLTR-ND	ADC 16-Bit CMOS 5V*	48-LQFP		51894.00/2,000	
AD7666ACP	AD7666ACP-ND	ADC 16-Bit, 500KSPS Unipolar	48-LFCSP	29.87	27.88	25.89
AD7666AST	AD7666AST-ND	ADC 16-Bit, 500KSPS Unipolar	48-LQFP	29.87	27.88	25.89
AD7667ACP	AD7667ACP-ND	ADC 16-Bit, 1MSPS Unipolar	48-LFCSP	39.00	36.40	33.80
AD7667AST	AD7667AST-ND	ADC 16-Bit, 1MSPS Unipolar	48-LQFP	39.00	36.40	33.80
AD7667ASTZ	AD7667ASTZ-ND	ADC 16-Bit, 1MSPS Unipolar*	48-LQFP	39.00	36.40	33.80
EVAL-AD7667CB	EVAL-AD7667CB-ND	Evaluation Board for AD7667	—	168.75	—	—
AD7671ASTZ	AD7671ASTZ-ND	ADC 16-Bit CMOS 1MSPS*	48-LQFP	46.38	43.29	40.20
EVAL-AD7671CB	EVAL-AD7671CB-ND	Evaluation Board for AD7671 **NEW!**	—	146.25	—	—
AD7674ACP	AD7674ACP-ND	ADC 18-Bit, 800KSPS	48-LFCSP	46.38	43.29	40.20
AD7674AST	AD7674AST-ND	ADC 18-Bit, 800KSPS	48-LQFP	46.38	43.29	40.20

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7674ASTZ	AD7674ASTZ-ND	ADC 18-Bit, 800KSPS*	48-LQFP	46.38	43.29	40.20
EVAL-AD7674CB	EVAL-AD7674CB-ND	Evaluation Board for AD7674 **NEW!**	—	146.25	—	—
AD7676ASTZ	AD7676ASTZ-ND	ADC 16-Bit, 500KSPS Diff.*	48-LQFP	41.40	38.64	35.88
AD7677AST	AD7677AST-ND	ADC 16-Bit, 1MSPS Differential	48-LQFP	54.68	51.03	47.39
AD7677ASTZ	AD7677ASTZ-ND	ADC 16-Bit, 1MSPS Differential*	48-LQFP	54.68	51.03	47.39
AD7678ACP	AD7678ACP-ND *	ADC 18-Bit, 100KSPS*	48-LFCSP	31.86	29.74	27.62
AD7678ASTZ	AD7678ASTZ-ND	ADC 18-Bit 100KSPS*	48-LQFP	31.86	29.74	27.62
EVAL-AD7678CB	EVAL-AD7678CB-ND	Evaluation Board for AD7678 **NEW!**	—	146.25	—	—
AD7679ACP	AD7679ACP-ND	ADC 18-Bit, 570KSPS	48-LFCSP	42.48	39.65	36.82
AD7679ASTZ	AD7679ASTZ-ND	ADC 18-Bit, 570KSPS*	48-LQFP	42.48	39.65	36.82
EVAL-AD7679CB	EVAL-AD7679CB-ND	Evaluation Board for AD7679	—	149.63	—	—
AD7680BRMZ	AD7680BRMZ-ND	ADC 16-Bit, 100KSPS*	8-MSOP	11.06	9.96	8.84
AD7683BRMZ	AD7683BRMZ-ND	ADC 16-Bit, 100KSPS*	8-MSOP	11.98	10.79	9.57
AD7684BRM	AD7684BRM-ND	ADC 16-Bit, 100KSPS	8-MSOP	11.98	10.79	9.57
AD7685ARM	AD7685ARM-ND	ADC 16-Bit, 250KSPS	10-MSOP	11.98	10.79	9.57
AD7685BRM	AD7685BRM-ND	ADC 16-Bit, 250KSPS	10-MSOP	14.69	13.28	11.78
AD7685BRMZ	AD7685BRMZ-ND	ADC 16-Bit, 250KSPS*	10-MSOP	14.74	13.28	11.78
AD7685BRMRL7	AD7685BRMRL7TR-ND	ADC 16-Bit, 250KSPS	10-MSOP		10930.00/1,000	
EVAL-AD7685CB	EVAL-AD7685CB-ND	Evaluation Board for AD7685 **NEW!**	—	146.25	—	—
AD7688BRMZ	AD7688BRMZ-ND	ADC 16-Bit, 500KSPS PulSAR™ Differential*	10-MSOP	24.81	23.16	21.51
AD7690BRMZ	AD7690BRMZ-ND	ADC 18-Bit, 400KSPS PulSAR™ Differential* **NEW!**	10-MSOP	32.36	30.20	28.05
AD7701ANZ	AD7701ANZ-ND	ADC 16-Bit LC2MOS*	20-Dip	20.73	19.35	17.97
AD7701AR	AD7701AR-ND	ADC 16-Bit LC2MOS	20-SOIC	20.13	18.79	17.45
AD7701BN	AD7701BN-ND	ADC 16-Bit LC2MOS	20-Dip	27.63	25.79	23.95
AD7701BNZ	AD7701BNZ-ND	ADC 16-Bit LC2MOS*	20-Dip	27.63	25.79	23.95
AD7703AN	AD7703AN-ND	ADC 20-Bit LC2MOS	20-Dip	24.59	22.95	21.31
AD7703AR	AD7703AR-ND	ADC 20-Bit LC2MOS	20-SOIC	23.87	22.28	20.69
AD7703ARZ	AD7703ARZ-ND	ADC 20-Bit LC2MOS*	20-SOIC	23.87	22.28	20.69
AD7703BN	AD7703BN-ND	ADC 20-Bit LC2MOS	20-Dip	29.24	27.29	25.34
AD7703BR	AD7703BR-ND	ADC 20-Bit LC2MOS	20-SOIC	28.38	26.49	24.60
AD7703CN	AD7703CN-ND	ADC 20-Bit LC2MOS	20-Dip	35.88	33.49	31.10
AD7703CR	AD7703CR-ND	ADC 20-Bit LC2MOS	20-SOIC	34.83	32.51	30.19
AD7705BNZ	AD7705BNZ-ND	ADC 16-Bit, 2-Channel*	16-Dip	8.33	7.50	6.65
AD7705BRZ	AD7705BRZ-ND	ADC 16-Bit, 2-Channel*	16-SOIC	9.70	7.76	6.55
AD7705BRUZ	AD7705BRUZ-ND	ADC 16-Bit, 2-Channel*	16-TSSOP	9.70	7.76	6.55
EVAL-AD7705EB	EVAL-AD7705EB-ND	Evaluation Board for AD7705 **NEW!**	—	146.25	—	—
AD7706BN	AD7706BN-ND	ADC 16-Bit, 3-Channel	16-Dip	8.33	7.50	6.65
AD7706BNZ	AD7706BNZ-ND	ADC 16-Bit, 3-Channel* **NEW!**	16-Dip	8.33	7.50	6.65
AD7706BR	AD7706BR-ND	ADC 16-Bit, 3-Channel	16-SOIC	9.70	7.76	6.55
AD7706BRZ	AD7706BRZ-ND	ADC 16-Bit, 3-Channel*	16-SOIC	9.70	7.76	6.55
EVAL-AD7706EB	EVAL-AD7706EB-ND	Evaluation Board for AD7706 **NEW!**	—	146.25	—	—
AD7708BRUZ-RL	AD7708BRUZ-RL-ND	ADC 16-Bit R-R 8/10-Channel*	28-TSSOP	9.36	7.49	6.32
EVAL-AD7708EB	EVAL-AD7708EB-ND	Evaluation Board for AD7708 **NEW!**	—	146.25	—	—
AD7709BRU	AD7709BRU-ND	ADC 16-Bit Sigma-Delta	24-TSSOP	8.75	7.88	6.99
AD7709BRUZ	AD7709BRUZ-ND	ADC 16-Bit Sigma-Delta*	24-TSSOP	8.75	7.88	6.99
AD7710ANZ	AD7710ANZ-ND	ADC Signal Conditioning*	24-Dip	29.46	27.50	25.54
AD7710ARZ	AD7710ARZ-ND	ADC Signal Conditioning*	24-SOIC	29.46	27.50	25.54
AD7711AN	AD7711AN-ND	ADC 24-Bit RTD Current Source	24-Dip	31.19	29.11	27.03
AD7711ANZ	AD7711ANZ-ND	ADC 24-Bit RTD Current Source*	24-Dip	31.19	29.11	27.03
AD7711ARZ	AD7711ARZ-ND	ADC 24-Bit RTD Current Source*	24-SOIC	31.19	29.11	27.03
AD7712ANZ	AD7712ANZ-ND	ADC Signal Conditioning LC2MOS*	24-Dip	26.85	25.06	23.27
AD7712ARZ	AD7712ARZ-ND	ADC Signal Conditioning LC2MOS*	24-SOIC	26.85	25.06	23.27
AD7713ANZ	AD7713ANZ-ND	ADC Signal Conditioning LC2MOS*	24-Dip	32.93	30.73	28.54
AD7713AR	AD7713AR-ND	ADC Signal Conditioning LC2MOS	24-SOIC	32.93	30.73	28.54
AD7713ARZ	AD7713ARZ-ND	ADC Signal Conditioning LC2MOS*	24-SOIC	32.93	30.73	28.54
AD7714ANZ-5	AD7714ANZ-5-ND	ADC Signal Conditioning 5V*	24-Dip	17.06	15.92	14.79
AD7714ARS-5	AD7714ARS-5-ND	ADC Signal Conditioning 5V	28-SSOP	16.56	15.46	14.36
AD7714ARZ-5	AD7714ARZ-5-ND	ADC Signal Conditioning 5V*	24-SOIC	16.56	15.46	14.36
AD7714YNZ	AD7714YNZ-ND	ADC Signal Conditioning*	24-Dip	15.56	14.05	13.04
AD7714YRUZ	AD7714YRUZ-ND	ADC Signal Conditioning 3V/5V*	24-TSSOP	16.23	14.61	12.96
AD7715ANZ-5	AD7715ANZ-5-ND	ADC 16-Bit, 5V*	16-Dip	11.41	10.28	9.12
AD7715AR-3	AD7715AR-3-ND	ADC 16-Bit, 3V	16-SOIC	11.08	9.98	8.85
AD7715ARZ-3	AD7715ARZ-3-ND	ADC 16-Bit, 3V*	16-SOIC	11.08	9.98	8.85
AD7715AR-5	AD7715AR-5-ND	ADC 16-Bit, 5V	16-SOIC	11.08	9.98	8.85
AD7715ARZ-5	AD7715ARZ-5-ND	ADC 16-Bit, 5V*	16-SOIC	11.08	9.98	8.85
AD7715AR-5REEL	AD7715AR-5REELCT-ND	ADC 16-Bit, 5V	16-SOIC	11.08	9.98	8.85
AD7715AR-5REEL	AD7715AR-5REELTR-ND	ADC 16-Bit, 5V	16-SOIC		8213.00/1,000	
AD7718BRZ	AD7718BRZ-ND	ADC 8/10-Ch. 24-Bit ADC* **NEW!**	28-SOIC	10.26	9.24	8.20
EVAL-AD7718EB	EVAL-AD7718EB-ND	Evaluation Board for AD7718 **NEW!**	—	168.75	—	—
AD7719BR	AD7719BR-ND	ADC 16/24-Bit Dual	28-SOIC	15.45	14.42	13.39
AD7719BRZ	AD7719BRZ-ND	ADC 16/24-Bit Dual* **NEW!**	28-SOIC	15.45	14.42	13.39
AD7723BSZ	AD7723BSZ-ND	ADC 16-Bit Sigma-Delta*	44-MQFP	40.59	37.89	35.18
EVAL-AD7723CB	EVAL-AD7723CB-ND	Evaluation Board for AD7723 **NEW!**	—	146.25	—	—
AD7725BS	AD7725BS-ND	ADC 16-Bit Programmable	44-MQFP	30.00	28.00	26.00
EVAL-AD7725CB	EVAL-AD7725CB-ND	Evaluation Board for AD7725 **NEW!**	—	146.25	—	—
AD7729ARU	AD7729ARU-ND	ADC 15-Bit Dual with DAC	28-TSSOP	15.24	13.73	12.17
AD7730BN	AD7730BN-ND	ADC Bridge Transducer	24-Dip	17.93	16.73	15.54
AD7730BNZ	AD7730BNZ-ND	ADC Bridge Transducer*	24-Dip	17.93	16.73	15.54
AD7730BR	AD7730BR-ND	ADC Bridge Transducer	24-SOIC	17.40	16.24	15.08
AD7730BRU	AD7730BRU-ND	ADC Bridge Transducer	24-TSSOP	17.40	16.24	15.08
AD7730BRUZ	AD7730BRUZ-ND	ADC Bridge Transducer*	24-TSSOP	17.40	16.24	15.08
AD7730BRZ	AD7730BRZ-ND	ADC Bridge Transducer*	24-SOIC	17.40	16.24	15.08
EVAL-AD7730EB	EVAL-AD7730EB-ND	Evaluation Board for AD7730	—	168.75	—	—
EVAL-AD7730LEB	EVAL-AD7730LEB-ND	Evaluation Board for AD7730 **NEW!**	—	146.25	—	—
AD7731BR	AD7731BR-ND	ADC 24-Bit	24-SOIC	17.40	16.24	15.08
AD7731BRZ	AD7731BRZ-ND	ADC 24-Bit*	24-SOIC	17.40	16.24	15.08
AD7731BRUZ	AD7731BRUZ-ND	ADC 24-Bit*	24-TSSOP	17.40	16.24	15.08
EVAL-AD7731EB	EVAL-AD7731EB-ND	Evaluation Board for AD7731 **NEW!**	—	146.25	—	—
AD7732BRUZ	AD7732BRUZ-ND	ADC 24-Bit, 2-Channel*	28-TSSOP	15.00	14.00	13.00
AD7734BRUZ	AD7734BRUZ-ND	ADC 24-Bit, 4-Channel*	28-TSSOP	15.00	14.00	13.00
AD7738BRUZ	AD7738BRUZ-ND	ADC 24-Bit, 8-Channel*	28-TSSOP	15.23	13.71	12.16
AD7739BRU	AD7739BRU-ND	ADC 24-Bit, 8-Channel	24-TSSOP	14.99	13.50	11.97
AD7739BRUZ	AD7739BRUZ-ND	ADC 24-Bit, 8-Channel*	24-TSSOP	14.99	13.50	11.97
EVAL-AD7762EB	EVAL-AD7762EB-ND	Evaluation Board for AD7762 **NEW!**	—	225.00	—	—

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7783BRU	AD7783BRU-ND	ADC 24-Bit, 2-Channel Rail-to-Rail	16-TSSOP	8.33	7.50	6.65
EVAL-AD7783EB	EVAL-AD7783EB-ND	Evaluation Board for AD7783 **NEW!**		139.50	—	—
AD7788ARM	AD7788ARM-ND	ADC 16-Bit Low Power	10-MSOP	5.27	4.22	3.28
AD7788ARMZ	AD7788ARMZ-ND	ADC 16-Bit Low Power* **NEW!**	10-MSOP	5.27	4.22	3.28
AD7788BRM	AD7788BRM-ND	ADC 16-Bit Low Power	10-MSOP	6.00	4.80	4.05
AD7788BRMZ	AD7788BRMZ-ND	ADC 16-Bit Low Power*	10-MSOP	6.00	4.80	4.05
AD7789BRMZ	AD7789BRMZ-ND	ADC 24-Bit Low Power*	10-MSOP	6.94	5.56	4.69
EVAL-AD7789EB	EVAL-AD7789EB-ND	Evaluation Board for AD7789 **NEW!**		128.70	—	—
AD7790BRM	AD7790BRM-ND	ADC 16-Bit Buffered Low Power	10-MSOP	6.94	5.56	4.69
AD7790BRMZ	AD7790BRMZ-ND	ADC 16-Bit Buffered Low Power*	10-MSOP	6.94	5.56	4.69
EVAL-AD7790EB	EVAL-AD7790EB-ND	Evaluation Board for AD7790 **NEW!**		128.70	—	—
AD7791BRMZ	AD7791BRMZ-ND	ADC 24-Bit Buffered	10-MSOP	9.00	7.20	6.08
EVAL-AD7791EB	EVAL-AD7791EB-ND	Evaluation Board for AD7791 **NEW!**		128.70	—	—
AD7792BRUZ	AD7792BRUZ-ND	ADC 16-Bit, 3-Channel*	16-TSSOP	9.38	7.51	6.34
AD7793BRUZ	AD7793BRUZ-ND	ADC 24-Bit, 3-Channel*	16-TSSOP	10.00	9.00	7.98
EVAL-AD7793EB	EVAL-AD7793EB-ND	Evaluation Board for AD7793 **NEW!**		128.68	—	—
AD7794BRUZ	AD7794BRUZ-ND	ADC 24-Bit, 6-Channel*	24-TSSOP	11.36	10.23	9.06
EVAL-AD7794EB	EVAL-AD7794EB-ND	Evaluation Board for AD7794 **NEW!**		125.78	—	—
AD7796BRUZ	AD7796BRUZ-ND	ADC 16-Bit, 6-Channel* **NEW!**	24-TSSOP	8.66	7.80	6.92
EVAL-AD7795EB	EVAL-AD7795EB-ND	Evaluation Board for AD7795 **NEW!**		168.75	—	—
AD7798BRUZ	AD7798BRUZ-ND	ADC 16-Bit, 3-Channel*	16-TSSOP	8.94	7.16	6.04
EVAL-AD7798EB	EVAL-AD7798EB-ND	Evaluation Board for AD7798		145.13	—	—
AD7799BRUZ	AD7799BRUZ-ND	ADC 24-Bit, 3-Channel*	16-TSSOP	8.53	7.68	6.81
EVAL-AD7799EB	EVAL-AD7799EB-ND	Evaluation Board for AD7799		145.13	—	—
AD7810YR	AD7810YR-ND	ADC 10-Bit, 2.7V	8-SOIC	6.26	5.01	4.23
AD7811YR	AD7811YR-ND	ADC 10-Bit, 4-Channel, 2.7V	16-SOIC	7.42	5.94	5.01
AD7811YRZ	AD7811YRZ-ND	ADC 10-Bit, 4-Channel, 2.7V*	16-SOIC	7.42	5.94	5.01
AD7811YRU	AD7811YRU-ND	ADC 10-Bit, 4-Channel, 2.7V	16-TSSOP	7.42	5.94	5.01
AD7812YRZ	AD7812YRZ-ND	ADC 10-Bit, 8-Channel, 2.7V*	20-SOIC	8.44	6.76	5.70
AD7812YRU	AD7812YRU-ND	ADC 10-Bit, 8-Channel, 2.7V	20-TSSOP	8.44	6.76	5.70
AD7812YRUZ	AD7812YRUZ-ND	ADC 10-Bit, 8-Ch., 2.7V* **NEW!**	20-TSSOP	8.44	6.76	5.70
AD7813YN	AD7813YN-ND	ADC 10-Bit Parallel	16-Dip	6.72	5.38	4.54
AD7817AR	AD7817AR-ND	ADC 10-Bit, 4-Ch., Temp. Sensor	16-SOIC	7.54	6.04	5.09
AD7817ARZ	AD7817ARZ-ND	ADC 10-Bit, 4-Ch., Temp. Sensor*	16-SOIC	7.54	6.04	5.09
AD7817ARU	AD7817ARU-ND	ADC 10-Bit, 4-Ch., Temp. Sensor	16-TSSOP	7.54	6.04	5.09
AD7819YRZ	AD7819YRZ-ND	ADC 8-Bit Sampling, Parallel*	16-SOIC	5.00	4.00	3.38
AD7821KNZ	AD7821KNZ-ND	ADC 8-Bit LC2MOS Track/Hold HS*	20-Dip	15.28	13.76	12.20
AD7821KR	AD7821KR-ND	ADC 8-Bit LC2MOS Track/Hold HS	20-SOIC	15.30	14.28	13.26
AD7822BR	AD7822BR-ND	ADC 8-Bit 1-Channel, 2MSPS	20-SOIC	7.54	6.04	5.09
AD7822BRZ-REEL7	AD7822BRZ-REEL7CT-ND	ADC 8-Bit 1-Channel, 2MSPS*	20-SOIC	7.54	6.04	5.09
AD7822BRZ-REEL7TR	AD7822BRZ-REEL7TR-ND	ADC 8-Bit 1-Channel, 2MSPS*	20-SOIC	1960.40/400		
AD7823YN	AD7823YN-ND	ADC 8-Bit Serial 2.7/5.5V	8-Dip	5.16	4.13	3.49
AD7823YRZ	AD7823YRZ-ND	ADC 8-Bit Serial 2.7/5.5V*	8-SOIC	5.00	4.00	3.38
AD7824BQ	AD7824BQ-ND	ADC 8-Bit LC2MOS 4-Channel	24-CDip	25.77	24.06	22.34
AD7824KN	AD7824KN-ND	ADC 8-Bit LC2MOS 4-Channel	24-Dip	16.04	14.45	12.81
AD7824KR	AD7824KR-ND	ADC 8-Bit LC2MOS 4-Channel	24-SOIC	15.58	14.03	12.44
AD7825BR	AD7825BR-ND	ADC 8-Bit, 4-Channel, 2MSPS	24-SOIC	8.70	6.96	5.88
AD7828KN	AD7828KN-ND	ADC 8-Bit LC2MOS 8-Channel	28-Dip	16.16	14.55	12.91
AD7828KP	AD7828KP-ND	ADC 8-Bit LC2MOS 8-Channel	28-PLCC	16.13	15.05	13.96
AD7828KPZ	AD7828KPZ-ND	ADC 8-Bit LC2MOS 8-Ch. * **NEW!**	28-PLCC	16.13	15.05	13.96
AD7828LP	AD7828LP-ND	ADC 8-Bit LC2MOS 8-Channel	28-PLCC	21.93	20.47	19.01
AD7829BR	AD7829BR-ND	ADC 8-Bit, 8-Channel, 2MSPS	28-SOIC	9.46	7.57	6.39
AD7829BRUZ	AD7829BRUZ-ND	ADC 8-Bit, 8-Channel, 2MSPS*	28-TSSOP	9.46	7.57	6.39
AD7843ARU	AD7843ARU-ND	ADC 12-Bit, Touch Screen Digitizer	16-TSSOP	2.45	1.97	1.53
AD7854LARZ	AD7854LARZ-ND	ADC 12-Bit Parallel LP*	28-SOIC	11.86	10.50	9.31
AD7856AN	AD7856AN-ND	ADC 14-Bit, 8-Channel, 285KSPS	24-Dip	18.00	16.80	15.60
EVAL-AD7856CB	EVAL-AD7856CB-ND	Evaluation Board for AD7856 **NEW!**		146.25	—	—
AD7858AN	AD7858AN-ND	ADC 12-Bit, 8-Channel Serial	24-Dip	17.54	16.37	15.20
AD7858AR	AD7858AR-ND	ADC 12-Bit, 8-Channel Serial	24-SOIC	17.03	15.89	14.76
AD7858BN	AD7858BN-ND	ADC 12-Bit, 8-Channel	24-Dip	22.47	20.92	19.43
AD7858LAR	AD7858LAR-ND	ADC 12-Bit, 8-Channel Serial	24-SOIC	13.58	12.23	10.84
AD7859APZ	AD7859APZ-ND	ADC 12-Bit, 8-Channel, 200KSPS*	44-PLCC	13.74	12.38	10.98
AD7859AS	AD7859AS-ND	ADC 12-Bit, 8-Channel, 200KSPS	44-PQFP	13.74	12.38	10.98
AD7859ASZ	AD7859ASZ-ND	ADC 12-Bit, 8-Channel, 200KSPS*	44-PQFP	13.74	12.38	10.98
AD7859LASZ	AD7859LASZ-ND	ADC 12-Bit, 8-Channel, 200KSPS*	44-PQFP	13.16	11.85	10.51
AD7862ARZ-10	AD7862ARZ-10-ND	ADC 12-Bit Dual 250KSPS*	28-SOIC	19.43	18.13	16.84
AD7862ARS-3	AD7862ARS-3-ND	ADC 12-Bit Dual 200KSPS	28-SSOP	19.43	18.13	16.84
AD7862ARS-10	AD7862ARS-10-ND	ADC 12-Bit Dual 250KSPS	28-SSOP	19.43	18.13	16.84
AD7864AS-1	AD7864AS-1-ND	ADC 12-Bit Dual 4-Channel	44-MQFP	24.00	22.40	20.80
AD7864ASZ-1	AD7864ASZ-1-ND	ADC 12-Bit Dual 4-Channel*	44-MQFP	24.00	22.40	20.80
EVAL-AD7864-1CB	EVAL-AD7864-1CB-ND	Evaluation Board for AD7864 **NEW!**		146.25	—	—
AD7865AS-1	AD7865AS-1-ND	ADC 14-Bit Dual 4-Channel*	44-MQFP	25.35	23.66	21.97
AD7866ARU	AD7866ARU-ND	ADC 12-Bit, 2-Channel Dual	20-TSSOP	11.58	10.43	9.25
AD7866ARUZ	AD7866ARUZ-ND	ADC 12-Bit, 2-Channel Dual*	20-TSSOP	11.58	10.43	9.25
AD7866BRU	AD7866BRU-ND	ADC 12-Bit, 2-Channel Dual	20-TSSOP	13.53	12.18	10.80
AD7866BRUZ	AD7866BRUZ-ND	ADC 12-Bit, 2-Channel Dual*	20-TSSOP	13.53	12.18	10.80
EVAL-AD7866CB	EVAL-AD7866CB-ND	Evaluation Board for AD7866 **NEW!**		139.50	—	—
AD7870JNZ	AD7870JNZ-ND	ADC 12-Bit LC2MOS 100KHz*	24-Dip	30.09	28.09	26.08
AD7870JP	AD7870JP-ND	ADC 12-Bit LC2MOS 100KHz	28-PLCC	29.22	27.28	25.33
AD7870JPZ	AD7870JPZ-ND	ADC 12-Bit LC2MOS 100KHz*	28-PLCC	29.22	27.28	25.33
AD7871JN	AD7871JN-ND	ADC 14-Bit Sampling	28-Dip	52.55	49.05	45.54
AD7871JP	AD7871JP-ND	ADC 14-Bit Sampling	28-PLCC	51.00	47.60	44.20
AD7871JPZ	AD7871JPZ-ND	ADC 14-Bit Sampling* **NEW!**	28-PLCC	51.00	47.60	44.20
AD7871KN	AD7871KN-ND	ADC 14-Bit Sampling	28-Dip	61.91	57.78	53.66
AD7871KPZ	AD7871KPZ-ND	ADC 14-Bit Sampling* **NEW!**	28-PLCC	60.11	56.10	52.10
AD7872JNZ	AD7872JNZ-ND	ADC 14-Bit Sampling*	16-Dip	45.02	42.02	39.02
AD7872JR	AD7872JR-ND	ADC 14-Bit LC2MOS	16-SOIC	43.71	40.80	37.89
AD7872JRZ	AD7872JRZ-ND	ADC 14-Bit LC2MOS*	16-SOIC	43.71	40.80	37.89
AD7872KN	AD7872KN-ND	ADC 14-Bit LC2MOS	16-Dip	53.06	49.52	45.99
AD7872KNZ	AD7872KNZ-ND	ADC 14-Bit LC2MOS*	16-Dip	53.06	49.52	45.99
AD7873ACP	AD7873ACP-ND	ADC 12-Bit, Touch Screen	16-LFCSP	4.64	3.78	3.01
AD7875KN	AD7875KN-ND	ADC 12-Bit LC2MOS 100KHz	24-Dip	40.47	37.78	35.08
AD7876BN	AD7876BN-ND	ADC 12-Bit Sampling 10V	24-Dip	31.83	29.71	27.59
AD7880BNZ	AD7880BNZ-ND	ADC 12-Bit LC2MOS 5V Low Power*	24-Dip	26.18	24.43	22.69
AD7880BR	AD7880BR-ND	ADC 12-Bit LC2MOS 5V Low Power	24-SOIC	25.41	23.72	22.03
AD7880CNZ	AD7880CNZ-ND	ADC 12-Bit LC2MOS 5V Low Power*	24-Dip	29.91	27.92	25.93
AD7884AQ	AD7884AQ-ND	ADC 16-Bit Sampling High Speed	40-CDip	79.59	74.29	68.98
AD7884AQ	AD7884AQ-ND	ADC 16-Bit Sampling High Speed	28-CDip	79.59	74.29	68.98
AD7888ARZ	AD7888ARZ-ND	ADC 12-Bit, 8-Channel, 125KSPS*	16-SOIC	9.20	7.36	6.21
AD7888ARUZ	AD7888ARUZ-ND	ADC 12-Bit, 8-Channel, 125KSPS*	16-TSSOP	9.20	7.36	6.21
AD7892AR-1	AD7892AR-1-ND	ADC 12-Bit, 5V, 600KSPS	24-SOIC	22.50	21.00	19.50
AD7892ARZ-1	AD7892ARZ-1-ND	ADC 12-Bit, 5V, 500KSPS*	24-SOIC	22.50	21.00	19.50
AD7892BR-1	AD7892BR-1-ND	ADC 12-Bit, 5V, 600KSPS	24-SOIC	27.00	25.20	23.40
AD7892BR-3	AD7892BR-3-ND	ADC 12-Bit, 2.5V, 600KSPS	24-SOIC	27.00	25.20	23.40

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7892BRZ-1	AD7892BRZ-1-ND	ADC 12-Bit, 5V, 500KSPS*	24-SOIC	27.00	25.20	23.40
AD7893AR-5	AD7893AR-5-ND	ADC 12-Bit LC2MOS	8-SOIC	16.50	15.40	14.30
AD7893ARZ-5	AD7893ARZ-5-ND	ADC 12-Bit LC2MOS* **NEW!**	8-SOIC	16.50	15.40	14.30
AD7893AR-10	AD7893AR-10-ND	ADC 12-Bit LC2MOS	8-SOIC	16.50	15.40	14.30
AD7893ARZ-10	AD7893ARZ-10-ND	ADC 12-Bit LC2MOS*	8-SOIC	16.50	15.40	14.30
AD7893BR-5	AD7893BR-5-ND	ADC 12-Bit LC2MOS	8-SOIC	21.38	19.95	18.53
AD7893BR-10	AD7893BR-10-ND	ADC 12-Bit LC2MOS	8-SOIC	21.38	19.95	18.53
AD7894AR-2	AD7894AR-2-ND	ADC 14-Bit Serial Track Hold LP	8-SOIC	15.58	14.03	12.44
AD7894AR-3	AD7894AR-3-ND	ADC 14-Bit Serial Track Hold LP	8-SOIC	15.58	14.03	12.44
AD7894ARZ-3	AD7894ARZ-3-ND	ADC 14-Bit Serial Track Hold LP*	8-SOIC	15.58	14.03	12.44
AD7894BRZ-10	AD7894BRZ-10-ND	ADC 14-Bit Serial Track Hold LP*	8-SOIC	18.53	17.29	16.06
AD7895AR-2	AD7895AR-2-ND	ADC 12-Bit Serial 5V	8-SOIC	9.75	8.78	7.79
AD7895ARZ-3	AD7895ARZ-3-ND	ADC 12-Bit Serial 5V*	8-SOIC	9.75	8.78	7.79
AD7895AR-10	AD7895AR-10-ND	ADC 12-Bit Serial 5V	8-SOIC	9.75	8.78	7.79
AD7896BR	AD7896BR-ND	ADC 12-Bit Serial Track Hold HS	8-SOIC	15.53	14.49	13.46
AD7896BRZ	AD7896BRZ-ND	ADC 12-Bit Serial Track Hold HS*	8-SOIC	15.53	14.49	13.46
AD7898ARSZ-1	AD7898ARSZ-1-ND	ADC 14-Bit 400KSPS, 5V*	28-SSOP	17.48	16.31	15.15
AD7904BRU	AD7904BRU-ND	ADC 8-Bit, 4-Channel, 1MSPS	16-TSSOP	4.10	3.28	2.55
AD7904BRUZ	AD7904BRUZ-ND	ADC 8-Bit, 4-Channel, 1MSPS*	16-TSSOP	4.10	3.28	2.55
AD7908BRUZ	AD7908BRUZ-ND	ADC 8-Bit, 8-Channel, 1MSPS*	20-TSSOP	4.91	3.93	3.06
AD7910ARM	AD7910ARM-ND	ADC 10-Bit, 250KSPS	8-MSOP	4.64	3.71	2.89
AD7911ARMZ	AD7911ARMZ-ND	ADC 10-Bit, 2-Channel, 250KSPS*	8-MSOP	5.29	4.23	3.29
AD7911ARMZ-REEL7	AD7911ARMZREEL7TR-ND	ADC 10-Bit, 2-Channel, 250KSPS*	8-MSOP		2996.00/1,000	
AD7912AUJ-R2	AD7912AUJ-R2TR-ND	ADC 10-Bit, 2-Channel, 1MSPS	8-TSOT		1053.00/250	
EVAL-AD7912CB	EVAL-AD7912CB-ND	Evaluation Board for AD7912		157.50	—	—
AD7914BRU	AD7914BRU-ND	ADC 10-Bit, 4-Channel, 1MSPS	16-TSSOP	7.06	5.65	4.77
AD7918BRUZ	AD7918BRUZ-ND	ADC 10-Bit, 8-Channel, 1MSPS*	20-TSSOP	7.64	6.12	5.16
AD7920BRMZ	AD7920BRMZ-ND	ADC 12-Bit, 250KSPS*	8-MSOP	6.02	4.82	4.07
AD7921ARM	AD7921ARM-ND	ADC 12-Bit, 250KSPS, 2-Channel	8-MSOP	5.42	4.34	3.66
AD7921ARM-REEL7	AD7921ARM-REEL7TR-ND	ADC 12-Bit, 250KSPS, 2-Channel	8-MSOP		3388.00/1,000	
AD7921ARMZ	AD7921ARMZ-ND	ADC 12-Bit, 250KSPS, 2-Channel*	8-MSOP	5.42	4.34	3.66
AD7922ARMZ	AD7922ARMZ-ND	ADC 12-Bit, 1MSPS, 2-Channel*	8-MSOP	8.33	7.50	6.65
EVAL-AD7922CB	EVAL-AD7922CB-ND	Evaluation Board for AD7922		157.50	—	—
AD7923BRUZ	AD7923BRUZ-ND	ADC 12-Bit, 4-Channel, 200KSPS*	16-TSSOP	6.00	4.80	4.05
AD7924BRUZ	AD7924BRUZ-ND	ADC 12-Bit, 4-Channel, 1MSPS*	16-TSSOP	8.81	7.94	7.04
AD7927BRUZ	AD7927BRUZ-ND	ADC 12-Bit, 8-Channel, 200KSPS*	20-TSSOP	6.58	5.27	4.45
AD7928BRUZ	AD7928BRUZ-ND	ADC 12-Bit, 8-Channel, 1MSPS*	20-TSSOP	9.31	8.39	7.44
AD7933BRUZ	AD7933BRUZ-ND	ADC 10-Bit, 4-Channel, 1.5MSPS*	28-TSSOP	8.24	6.60	5.57
AD7934BRM	AD7934BRM-ND	ADC 12-Bit, 100KSPS, Unipolar	8-MSOP	9.64	7.72	6.51
AD7940BRM-REEL7	AD7940BRM-REEL7TR-ND	ADC 14-Bit, 100KSPS, Unipolar	8-MSOP		6025.00/1,000	
AD7993BRUZ-0	AD7993BRUZ-0-ND	ADC 10-Bit, 4-Channel, I²C	16-TSSOP	5.00	4.00	3.11
AD7998BRUZ-1	AD7998BRUZ-1-ND	ADC 12-Bit, 8-Channel, I²C	20-TSSOP	8.82	7.06	5.96
AD9012AJ	AD9012AJ-ND	ADC 8-Bit, 100MSPS	28-CLCC	108.47	101.24	94.01
AD9042AST	AD9042AST-ND	ADC 12-Bit, 41MSPS	44-TQFP	40.25	37.57	34.88
AD9042ASTZ	AD9042ASTZ-ND	ADC 12-Bit, 41MSPS*	44-TQFP	40.25	37.57	34.88
AD9048JQ	AD9048JQ-ND	Video ADC 8-Bit	28-CDip	38.03	35.49	32.96
AD9050BR	AD9050BR-ND	ADC 10-Bit, 40MSPS	28-SOIC	14.76	13.29	11.79
AD9051BRS	AD9051BRS-ND	ADC 10-Bit, 60MSPS	28-SSOP	12.25	11.03	9.78
AD9051BRS-2V	AD9051BRS-2V-ND	ADC 10-Bit, 60MSPS	28-SSOP	12.25	11.03	9.78
AD9054ABST-200	AD9054ABST-200-ND	ADC 8-Bit, 200MSPS	44-LQFP	33.62	31.38	29.14
AD9058AJJ	AD9058AJJ-ND	ADC 8-Bit Dual 50MSPS	44-JLCC	44.94	41.95	38.95
AD9058AKJ	AD9058AKJ-ND	ADC 8-Bit Dual 50MSPS	44-JLCC	88.32	82.44	76.55
AD9200ARSZ	AD9200ARSZ-ND	ADC CMOS 10-Bit, 20MSPS*	28-SSOP	5.88	4.71	3.97
AD9200SSOP-EVAL	AD9200SSOP-EVAL-ND	Evaluation Board for AD9200 **NEW!**		187.50	—	—
AD9201-EVAL	AD9201-EVAL-ND	Evaluation Board for AD9201 **NEW!**		146.25	—	—
AD9201ARS	AD9201ARS-ND	ADC CMOS 10-Bit 2-Channel	28-SSOP	9.71	8.75	7.76
AD9201ARSZ	AD9201ARSZ-ND	ADC CMOS 10-Bit 2-Ch * **NEW!**	28-SSOP	9.71	8.75	7.76
AD9203ARUZ	AD9203ARUZ-ND	ADC 10-Bit, 40MSPS, 3V	28-TSSOP	8.82	7.06	5.96
AD9214BRS2-105	AD9214BRS2-105-ND	ADC 10-Bit, 105MSPS, 3V	28-SSOP	17.84	16.65	15.46
AD9215BCP-65	AD9215BCP-65-ND	ADC 10-Bit, 65MSPS	32-LFCSP	9.80	8.82	7.83
AD9215BCP-80	AD9215BCP-80-ND	ADC 10-Bit, 80MSPS	32-LFCSP	11.82	11.04	10.25
AD9215BCP-105	AD9215BCP-105-ND	ADC 10-Bit, 105MSPS	32-LFCSP	12.35	11.53	10.70
AD9215BRU-65	AD9215BRU-65-ND	ADC 10-Bit, 65MSPS, 3V	28-TSSOP	9.80	8.82	7.83
AD9215BRU-80	AD9215BRU-80-ND	ADC 10-Bit, 80MSPS, 3V	28-TSSOP	11.82	11.04	10.25
AD9215BRUZ-105	AD9215BRUZ-105-ND	ADC 10-Bit, 105MSPS, 3V	28-TSSOP	12.35	11.53	10.70
AD9218BSTZ-40	AD9218BSTZ-40-ND	ADC 10-Bit, 40MSPS Dual	48-LQFP	15.87	14.82	13.76
AD9218BST-65	AD9218BST-65-ND	ADC 10-Bit, 65MSPS Dual	48-LQFP	19.61	18.30	17.00
AD9218BSTZ-65	AD9218BSTZ-65-ND	ADC 10-Bit, 65MSPS Dual*	48-LQFP	19.61	18.30	17.00
AD9218BST-80	AD9218BST-80-ND	ADC 10-Bit, 80MSPS Dual	48-LQFP	22.28	20.79	19.31
AD9218BSTZ-105	AD9218BSTZ-105-ND	ADC 10-Bit, 105MSPS Dual*	48-LQFP	28.53	26.63	24.73
AD9218BSTZ-RL65	AD9218BSTZ-RL65CT-ND	ADC 10-Bit, 65MSPS Dual*	48-LQFP	19.61	18.30	17.00
AD9218BSTZ-RL65	AD9218BSTZ-RL65TR-ND	ADC 10-Bit, 65MSPS Dual*	48-LQFP		32282.00/2,000	
AD9220AR	AD9220AR-ND	ADC 12-Bit, 10MSPS	28-SOIC	10.78	9.71	8.61
AD9220ARZ	AD9220ARZ-ND	ADC 12-Bit, 10MSPS*	28-SOIC	10.78	9.71	8.61
AD9220ARSZ	AD9220ARSZ-ND	ADC 12-Bit, 10MSPS*	28-SSOP	10.78	9.71	8.61
AD9223ARS	AD9223ARS-ND	ADC 12-Bit, 3MSPS	28-SSOP	11.71	10.55	9.35
AD9223ARSZ	AD9223ARSZ-ND	ADC 12-Bit, 3MSPS*	28-SSOP	11.71	10.55	9.35
AD9224ARSZ	AD9224ARSZ-ND	ADC 12-Bit, 40MSPS*	28-SSOP	19.32	18.04	16.75
AD9225ARZ	AD9225ARZ-ND	ADC 12-Bit, 25MSPS*	28-SOIC	22.94	21.41	19.88
AD9225ARSZ	AD9225ARSZ-ND	ADC 12-Bit, 25MSPS*	28-SSOP	22.94	21.41	19.88
AD9226ARSZ	AD9226ARSZ-ND	ADC 12-Bit, 65MSPS*	28-SSOP	28.98	27.05	25.12
AD9226ASTZ	AD9226ASTZ-ND	ADC 12-Bit, 65MSPS*	48-LQFP	28.98	27.05	25.12
AD9228-65EB	AD9228-65EB-ND	Evaluation Board for AD9228 **NEW!**		258.00	—	—
AD9228BCPZ-40	AD9228BCPZ-40-ND	ADC 12-Bit, 40MSPS Quad* **NEW!**	48-LFCSP	41.48	38.71	35.95
AD9228BCPZ-65	AD9228BCPZ-65-ND	ADC 12-Bit, 65MSPS Quad* **NEW!**	48-LFCSP	57.36	53.54	49.72
AD9235BCPZ-65	AD9235BCPZ-65-ND	ADC 12-Bit, 65MSPS*	32-LFCSP	21.18	19.77	18.36
AD9235-65PCB	AD9235-65PCB-ND	Evaluation Board for AD9235-65		225.00	—	—
AD9235BRUZ-20	AD9235BRUZ-20-ND	ADC 12-Bit, 20MSPS*	28-TSSOP	13.73	12.36	10.96
AD9235BRUZ-40	AD9235BRUZ-40-ND	ADC 12-Bit, 40MSPS*	28-TSSOP	15.49	13.95	12.37
AD9235BRUZ-65	AD9235BRUZ-65-ND	ADC 12-Bit, 65MSPS*	28-TSSOP	21.18	19.77	18.36
AD9236BCPZ-80	AD9236BCPZ-80-ND	ADC 12-Bit, 80MSPS, 3V*	32-LFCSP	29.13	27.19	25.25
AD9236BCPZ-80	AD9236BCPZ-80EB-ND	ADC 12-Bit, 80MSPS*	32-LFCSP	29.13	27.19	25.25
AD9236BRU-80	AD9236BRU-80-ND	Evaluation Board for AD9236-80		225.00	—	—
AD9238BSTZ-20	AD9238BSTZ-20-ND	ADC 12-Bit, 80MSPS, 3V	28-TSSOP	29.13	27.19	25.25
AD9238BSTZ-40	AD9238BSTZ-40-ND	ADC 12-Bit Dual 20MSPS*	64-LQFP	19.43	18.13	16.84
AD9238BSTZ-65	AD9238BSTZ-65-ND	ADC 12-Bit Dual 40MSPS*	64-LQFP	21.18	19.77	18.36
AD9240ASZ	AD9240ASZ-ND	ADC 12-Bit Dual 65MSPS*	64-LQFP	31.77	29.66	27.54
AD9241ASZ	AD9241ASZ-ND	ADC 14-Bit, 10MSPS*	44-MQFP	29.12	27.18	25.24
		ADC 14-Bit, 1.25MSPS*	44-MQFP	15.00	14.00	13.00

* RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD9243ASZ	AD9243ASZ-ND	ADC 14-Bit, 3MSPS*	44-MQFP	18.53	17.29	16.06
AD9244BST-40	AD9244BST-40-ND	ADC 14-Bit, 40MSPS	48-LQFP	32.90	30.71	28.51
AD9244BSZ-40	AD9244BSZ-40-ND	ADC 14-Bit, 40MSPS*	48-LQFP	32.90	30.71	28.51
AD9244BST-65	AD9244BST-65-ND	ADC 14-Bit, 65MSPS	48-LQFP	43.85	40.93	38.00
AD9244BSZ-65	AD9244BSZ-65-ND	ADC 14-Bit, 65MSPS*	48-LQFP	43.85	40.93	38.00
AD9245BCPZ-80	AD9245BCPZ-80-ND	ADC 14-Bit, 80MSPS, 3V*	32-LFCSP	54.71	51.06	47.42
AD9245BCP-80EB	AD9245BCP-80EB-ND	Evaluation Board for AD9245BCP+C757-80		225.00	—	—
AD9248BSTZ-20	AD9248BSTZ-20-ND	ADC 14-Bit, 20MSPS, Dual*	64-LQFP	37.05	34.58	32.11
AD9248BSTZ-40	AD9248BSTZ-40-ND	ADC 14-Bit, 40MSPS, Dual*	64-LQFP	52.32	48.84	45.35
AD9248BSTZ-65	AD9248BSTZ-65-ND	ADC 14-Bit, 65MSPS, Dual*	64-LQFP	70.50	65.80	61.10
AD9260ASZ	AD9260ASZ-ND	ADC CMOS 16-Bit Oversampled*	44-MQFP	70.43	65.73	61.04
AD9280ARSZ	AD9280ARSZ-ND	ADC CMOS 8-Bit, 32MSPS*	28-SSOP	5.09	4.67	3.17
AD9281ARS	AD9281ARS-ND	ADC 8-Bit Dual CMOS	28-SSOP	8.14	6.62	5.50
AD9281ARSZ	AD9281ARSZ-ND	ADC 8-Bit Dual CMOS*	28-SSOP	8.14	6.62	5.50
AD9283BRS-50	AD9283BRS-50-ND	ADC 8-Bit, 50MSPS, 3V	20-SSOP	5.88	4.71	3.97
AD9283BRS-80	AD9283BRS-80-ND	ADC 8-Bit, 80MSPS, 3V	20-SSOP	7.04	5.64	4.76
AD9283BRSZ-100	AD9283BRSZ-100-ND	ADC 8-Bit, 100MSPS, 3V*	20-SSOP	10.78	9.71	8.61
AD9287-100EB	AD9287-100EB-ND	Evaluation Board for AD9287 ***NEW!***	—	258.00	—	—
AD9287BCPZRL7-100	AD9287BCPZRL7-100CT-ND	ADC 8-Bit Quad 100MSPS* ***NEW!***	48-LFCSP	28.50	26.60	24.70
AD9287BCPZRL7-100	AD9287BCPZRL7-100-ND	ADC 8-Bit Quad 100MSPS* ***NEW!***	48-LFCSP	17812.50/750		
AD9288BST-40	AD9288BST-40-ND	ADC 8-Bit Dual 40MSPS	48-LQFP	8.00	6.40	5.40
AD9288BST-100	AD9288BST-100-ND	ADC 8-Bit Dual 100MSPS	48-LQFP	18.53	17.29	16.06
AD9288BSTZ-100	AD9288BSTZ-100-ND	ADC 8-Bit Dual 100MSPS*	48-LQFP	18.53	17.29	16.06
AD9410BSQZ	AD9410BSQZ-ND	ADC 10-Bit, 210MSPS*	80-LQFP	88.50	82.60	76.70
AD9411BSV-170	AD9411BSV-170-ND	ADC 10-Bit, 170MSPS, 3.3V	100-TQFP	63.47	59.24	55.01
AD9411BSV-200	AD9411BSV-200-ND	ADC 10-Bit, 200MSPS, 3.3V	100-TQFP	74.10	69.16	64.22
AD9430BSVZ-170	AD9430BSVZ-170-ND	ADC 12-Bit, 170MSPS, 3.3V*	100-TQFP	69.74	65.09	60.44
AD9430BSVZ-210	AD9430BSVZ-210-ND	ADC 12-Bit, 210MSPS, 3.3V*	100-TQFP	97.10	90.63	84.15
AD9432BSQZ-105	AD9432BSQZ-105-ND	ADC 12-Bit, 105MSPS*	52-LQFP	52.08	48.61	45.14
AD9432BST-80	AD9432BST-80-ND	ADC 12-Bit, 80MSPS	52-LQFP	41.93	39.13	36.34
AD9432BSTZ-80	AD9432BSTZ-80-ND	ADC 12-Bit, 80MSPS*	52-LQFP	41.93	39.13	36.34
AD9432BSTZ-105	AD9432BSTZ-105-ND	ADC 12-Bit, 105MSPS*	52-LQFP	52.08	48.61	45.14
AD9432/PCB	AD9432/PCB-ND	Evaluation Board for AD9432		225.00	—	—
AD9433BSQ-125	AD9433BSQ-125-ND	ADC 12-Bit, 125MSPS IF Sampling	52-LQFP	54.72	51.08	47.43
AD9433BSQZ-125	AD9433BSQZ-125-ND	ADC 12-Bit, 125MSPS IF Sampling*	52-LQFP	54.72	51.08	47.43
AD9433/PCB	AD9433/PCB-ND	Evaluation Board for AD9433		337.50	—	—
AD10678BWS	AD10678BWS-ND	ADC 16-Bit, 80MSPS	60-SMD	774.19	—	—
AD10678/PCB	AD10678/PCB-ND	Evaluation Kit for AD10678		1137.15	—	—
ADADC71JD	ADADC71JD-ND	ADC 16-Bit High Resolution	32-CDip	344.03	321.09	298.16
ADADC80-12	ADADC80-12-ND	ADC 12-Bit, Integrated	32-CDip	148.23	138.35	128.47
ADADC80-Z-12	ADADC80-Z-12-ND	ADC 12-Bit, Integrated	32-CDip	148.23	138.35	128.47
ADADC85-12	ADADC85-12-ND	ADC 12-Bit	32-CDip	256.55	239.45	222.34
ADADC85SZ-12	ADADC85SZ-12-ND	ADC 12-Bit	32-CDip	304.93	284.51	264.19
ADC912AFP	ADC912AFP-ND	ADC 12-Bit CMOS MPU Compatible	24-Dip	18.75	17.50	16.25
ADC912AFS	ADC912AFS-ND	ADC 12-Bit CMOS MPU Compatible	24-SOIC	18.74	17.49	16.24
HSC-ADC-EVALA-DC	HSC-ADC-EVALA-DC-ND	HS ADC USB FIFO Evaluation Kit	—	798.00	—	—
HSC-ADC-EVALB-DC	HSC-ADC-EVALB-DC-ND	HS ADC FIFO Evaluation Kit ***NEW!***	—	1032.00	—	—
HSC-ADC-EVALB-SC	HSC-ADC-EVALB-SC-ND	HS ADC USB FIFO Evaluation Kit ***NEW!***	—	545.00	—	—

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AD7142ACPZ-1REEL	AD7142ACPZ-1REELCT-ND	Programmable CDC with Environmental Compensation*	32-LFCSP	4.23	3.39	2.64
AD7142ACPZ-1REEL	AD7142ACPZ-1REELTR-ND	Programmable CDC with Environmental Compensation*	32-LFCSP	1750.00/5,000		
AD7142ACPZ-REEL	AD7142ACPZ-REELCT-ND	Programmable CDC with Environmental Compensation*	32-LFCSP	4.23	3.39	2.64
AD7142ACPZ-REEL	AD7142ACPZ-REELTR-ND	Programmable CDC with Environmental Compensation*	32-LFCSP	1750.00/5,000		
EVAL-AD7142-1EB	EVAL-AD7142-1EB-ND	Evaluation Board for AD7142-1	—	196.88	—	—
EVAL-AD7142EB	EVAL-AD7142EB-ND	Evaluation Board for AD7142	—	175.00	—	—

Digital-to-Analog

AD390SD	AD390SD-ND	DAC Quad 12-Bit	28-CDip	648.48	605.25	562.02
AD390TD	AD390TD-ND	DAC Quad 12-Bit	28-Dip	760.20	709.52	658.84
AD420ANZ-32	AD420ANZ-32-ND	DAC Serial 16-Bit*	24-Dip	19.55	18.25	16.94
AD420ARZ-32	AD420ARZ-32-ND	DAC Serial 16-Bit*	24-SOIC	18.98	17.71	16.45
AD421BN	AD421BN-ND	DAC Serial 16-Bit	16-Dip	13.64	12.29	10.99
AD421BNZ	AD421BNZ-ND	DAC Serial 16-Bit*	16-Dip	13.64	12.29	10.90
AD421BRZ	AD421BRZ-ND	DAC Serial 16-Bit*	16-SOIC	13.24	11.93	10.58
AD557JN	AD557JN-ND	DAC 8-Bit Voltage Out	16-Dip	8.76	7.01	5.92
AD557JNZ	AD557JNZ-ND	DAC 8-Bit Voltage Out*	16-Dip	8.76	7.01	5.92
AD557JPZ	AD557JPZ-ND	DAC 8-Bit Voltage Out* ***NEW!***	20-PLCC	8.76	7.01	5.92
AD558JNZ	AD558JNZ-ND	DAC 8-Bit Voltage Out*	16-Dip	11.73	10.56	9.37
AD558JP	AD558JP-ND	DAC 8-Bit Voltage Out	20-PLCC	11.73	10.56	9.37
AD558JPZ	AD558JPZ-ND	DAC 8-Bit Voltage Out*	20-PLCC	11.73	10.07	8.93
AD558KNZ	AD558KNZ-ND	DAC 8-Bit Voltage Out*	16-Dip	16.01	14.94	13.88
AD558KP	AD558KP-ND	DAC 8-Bit Voltage Out	20-PLCC	16.01	14.94	13.88
AD558KPZ	AD558KPZ-ND	DAC 8-Bit Voltage Out*	20-PLCC	16.01	14.94	13.88
AD558SD	AD558SD-ND	DAC 8-Bit Voltage Out	16-CDip	31.11	29.04	26.97
AD561KD	AD561KD-ND	DAC 10-Bit, 5-15V Input Mono	16-Dip	82.41	76.92	71.43
AD565AJD	AD565AJD-ND	DAC 12-Bit Mono High Speed	24-Dip	28.40	26.51	24.61
AD565AJR	AD565AJR-ND	DAC 12-Bit Mono High Speed	28-SOIC	21.93	20.47	19.01
AD567JD	AD567JD-ND	DAC 12-Bit Mono	28-Dip	43.67	40.76	37.85
AD568JQ	AD568JQ-ND	DAC 12-Bit High Speed Mono 35nS	24-Dip	50.16	46.82	43.48
AD569AD	AD569AD-ND	DAC 16-Bit Mono	28-Dip	63.69	59.45	55.20
AD569JNZ	AD569JNZ-ND	DAC 16-Bit Mono*	28-Dip	37.53	35.03	32.53
AD569JP	AD569JP-ND	DAC 16-Bit Mono	28-PLCC	41.07	38.34	35.60
AD569JPZ	AD569JPZ-ND	DAC 16-Bit Mono* ***NEW!***	28-PLCC	41.07	38.34	35.60
AD569KN	AD569KN-ND	DAC 16-Bit Mono	28-Dip	47.24	44.09	40.94
AD569KPZ	AD569KPZ-ND	DAC 16-Bit Mono* ***NEW!***	28-PLCC	51.96	48.50	45.04
AD660AN	AD660AN-ND	DAC 16-Bit Mono with Voltage Ref	24-Dip	23.39	21.83	20.27
AD660ANZ	AD660ANZ-ND	DAC 16-Bit Mono with Voltage Ref.*	24-Dip	23.39	21.83	20.27
AD660AR	AD660AR-ND	DAC 16-Bit Mono with Voltage Ref	24-SOIC	22.71	21.20	19.69
AD660ARZ	AD660ARZ-ND	DAC 16-Bit Mono with Voltage Ref.* ***NEW!***	24-SOIC	22.71	21.20	19.69
AD660BN	AD660BN-ND	DAC 16-Bit Mono with Voltage Ref	24-Dip	35.07	32.74	30.40
AD660BR	AD660BR-ND	DAC 16-Bit Mono with Voltage Ref	24-SOIC	34.05	31.78	29.51
AD660BRZ	AD660BRZ-ND	DAC 16-Bit Mono with Voltage Ref.* ***NEW!***	24-SOIC	34.05	31.78	29.51
AD664BD-BIP	AD664BD-BIP-ND	DAC 12-Bit Quad Mono	28-Dip	123.54	115.31	107.07
AD664BD-UNI	AD664BD-UNI-ND	DAC 12-Bit Quad Mono	28-Dip	123.54	115.31	107.07
AD664BJ	AD664BJ-ND	DAC 12-Bit Quad Mono	44-JLCC	130.28	121.59	112.91
AD664JN-BIP	AD664JN-BIP-ND	DAC 12-Bit Quad Bipolar	28-Dip	71.16	66.42	61.68
AD664JNZ-BIP	AD664JNZ-BIP-ND	DAC 12-Bit Quad Bipolar*	28-Dip	71.16	66.42	61.68
AD664JP	AD664JP-ND	DAC 12-Bit Quad Mono	44-PLCC	82.43	76.93	71.44
AD664KP	AD664KP-ND	DAC 12-Bit Quad Mono	44-PLCC	112.32	104.84	97.35
AD667JN	AD667JN-ND	DAC 12-Bit Voltage Out	28-Dip	16.07	15.00	13.93
AD667JNZ	AD667JNZ-ND	DAC 12-Bit Voltage Out*	28-Dip	16.07	15.00	13.93
AD667JP	AD667JP-ND	DAC 12-Bit Voltage Out	28-PLCC	16.07	15.00	13.93
AD667SD	AD667SD-ND	DAC 12-Bit Voltage Out	28-CDip	104.13	97.19	90.25
AD669AN	AD669AN-ND	DAC 16-Bit Mono with Voltage Ref	28-Dip	23.39	21.83	20.27
AD669ANZ	AD669ANZ-ND	DAC 16-Bit Mono with Voltage Ref.*	28-Dip	23.39	21.83	20.27
AD669BN	AD669BN-ND	DAC 16-Bit Mono with Voltage Ref	28-Dip	35.07	32.74	30.40
AD669BNZ	AD669BNZ-ND	DAC 16-Bit Mono with Voltage Ref.*	28-Dip	35.07	32.74	30.40
AD669BR	AD669BR-ND	DAC 16-Bit Mono with Voltage Ref	28-SOIC	34.05	31.78	29.51
AD760AQ	AD760AQ-ND	DAC 16-Bit with Amp Serial	28-CDip	112.17	104.70	97.22
AD766JN	AD766JN-ND	DAC 16-Bit with Voltage Reference	16-Dip	18.75	17.50	16.25
AD766JNZ	AD766JNZ-ND	DAC 16-Bit with Voltage Reference*	16-Dip	18.75	17.50	16.25
AD767AD	AD767AD-ND	DAC 12-Bit	24-CDip	25.13	23.45	21.78
AD767JN	AD767JN-ND	DAC 12-Bit	24-Dip	16.49	15.39	14.29
AD767JNZ	AD767JNZ-ND	DAC 12-Bit*	24-Dip	16.49	15.39	14.29
AD767JP	AD767JP-ND	DAC 12-Bit	28-PLCC	16.01	14.94	13.88
AD767KN	AD767KN-ND	DAC 12-Bit	24-Dip	21.74	20.29	18.84
AD767KNZ	AD767KNZ-ND	DAC 12-Bit*	24-Dip	21.74	20.29	18.84
AD768AR	AD768AR-ND	DAC 16-Bit, 30MSPS	28-SOIC	38.55	35.98	33.41
AD1139J	AD1139J-ND	DAC Single 18-Bit	32-Dip	906.92	846.46	786.00
AD1139K	AD1139K-ND	DAC Single 18-Bit	32-Dip	1133.64	1058.07	982.49
AD1853AAST	AD1853AAST-ND	DAC Audio 24-Bit, 6-Channel	48-LQFP	12.50	11.25	9.98
AD1853ACST	AD1853ACST-ND	DAC Audio 24-Bit, 6-Channel	48-LQFP	8.70	6.96	5.88
AD1851NZ	AD1851NZ-ND	DAC Audio 16-Bit PCM*	16-Dip	10.00	9.00	7.98
AD1851RZ	AD1851RZ-ND	DAC Audio 16-Bit PCM*	16-SOIC	10.00	9.00	7.98
AD1852JRS	AD1852JRS-ND	DAC Stereo 24-Bit	28-SSOP	11.46	10.32	9.16
AD1852JRSZ	AD1852JRSZ-ND	DAC Stereo 24-Bit*	28-SSOP	11.46	10.32	9.16
EVAL-AD1852EB	EVAL-AD1852EB-ND	Evaluation Board for AD1852 ***NEW!***	—	187.50	—	—
AD1853JRS	AD1853JRS-ND	DAC Stereo 24-Bit*	28-SSOP	12.89	11.61	10.30
AD1853JRSZ	AD1853JRSZ-ND	DAC Stereo 24-Bit* ***NEW!***	28-SSOP	12.89	11.61	10.30
AD1861R-J	AD1861R-J-ND	DAC Audio Fastset 18-Bit	16-SOIC	11.83	10.65	9.45
AD1865N	AD1865N-ND	DAC Audio Dual 18-Bit	24-Dip	21.08	19.67	18.27
AD1866N	AD1866N-ND	DAC Audio 16-Bit Dual	16-Dip	16.54	14.90	13.21
AD1866R	AD1866R-ND	DAC Audio 16-Bit Dual	16-SOIC	16.54	14.90	13.21
AD1868N	AD1868N-ND	DAC Audio 18-Bit Dual	16-Dip	16.62	15.52	14.41
AD1868R	AD1868R-ND	DAC Audio 18-Bit Dual	16-SOIC	16.62	15.52	14.41
EVAL-AD1953EB	EVAL-AD1953EB-ND	Evaluation Board for AD1953 ***NEW!***	—	322.80	—	—
AD1954YST	AD1954YST-ND	DAC Audio 3-Channel, 26-Bit	48-LQFP	13.01	11.72	10.39
AD1955ARSZ	AD1955ARSZ-ND	DAC Audio Multi-Bit*	28-SSOP	12.50	11.25	9.98
EVAL-AD1955EB	EVAL-AD1955EB-ND	Evaluation Board for AD1955	—	225.00	—	—
AD5300BRM2	AD5300BRM2-ND	DAC 8-Bit Rail-to-Rail 2.7-5.5V*	8-MSOP	3.42	2.74	2.13
AD5300BRTZ-REEL7	AD5300BRTZREEL7CT-ND	DAC 8-Bit Rail-to-Rail 2.7-5.5V*	SOT-23-6	2.81	2.25	1.75
AD5300BRTZ-REEL7	AD5300BRTZREEL7TR-ND	DAC 8-Bit Rail-to-Rail 2.7-5.5V*	SOT-23-6	1470.00/3,000		
AD5301BRM	AD5301BRM-ND	DAC 8-Bit, 2.5V, 2-Wire	8-MSOP	3.85	3.08	2.40
AD5301BRM2	AD5301BRM2-ND	DAC 8-Bit, 2.5V, 2-Wire*	8-MSOP	3.85	3.08	2.40
AD5301BRT-500RL7	AD5301BRT500RL7CT-ND	DAC 8-Bit, 2.5V, 2-Wire	SOT-23-6	3.15	2.52	1.96
AD5301BRT-500RL7	AD5301BRT500RL7TR-ND	DAC 8-Bit, 2.5V, 2-Wire	SOT-23-6	910.00/500		
AD5301BRTZ-500RL7	AD5301BRTZ500RLCT-ND	DAC 8-Bit, 2.5V, 2-Wire*	SOT-23-6	3.15	2.52	1.96
AD5301BRTZ-500RL7	AD5301BRTZ500RLTR-ND	DAC 8-Bit, 2.5V, 2-Wire*	SOT-23-6	910.00/500		
AD5302BRM-REEL7	AD5302BRM-REEL7CT-ND	DAC 8-Bit Dual Rail-to-Rail	10-MSOP	5.36	4.29	3.34
AD5302BRM-REEL7	AD5302BRM-REEL7TR-ND	DAC 8-Bit Dual Rail-to-Rail	10-MSOP	3035.00/1,000		
AD5302BRM2	AD5302BRM2-ND	DAC 8-Bit Dual Rail-to-Rail*	10-MSOP	5.36	4.29	3.34
AD5304BRM	AD5304BRM-ND	DAC 8-Bit Quad Voltage Out	10-MSOP	7.20	5.76	4.86
AD5304BRM2	AD5304BRM2-ND	DAC 8-Bit Quad Voltage Out*	10-MSOP	7.20	5.76	4.86
AD5308ARU2	AD5308ARU2-ND	DAC 8-Bit, 2.5V Octal*	16-TSSOP	6.04	4.84	4.08
AD5308BRU	AD5308BRU-ND	DAC 8-Bit, 2.5V Octal	16-TSSOP	9.86	7.89	6.66
AD5308BRUZ	AD5308BRUZ-ND	DAC 8-Bit, 2.5V Octal*	16-TSSOP	9.86	7.89	6.66
AD5310BRM	AD5310BRM-ND	DAC 10-Bit R-R with Buffer	8-MSOP	4.66	3.73	2.90
AD5310BRMZ	AD5310BRMZ-ND	DAC 10-Bit R-R with Buffer*	8-MSOP	4.66	3.73	2.90
AD5310BRT-REEL	AD5310BRT-REEL7TR-ND	DAC 10-Bit R-R with Buffer	SOT-23-6	3.83	3.06	2.38
AD5310BRTZ-REEL	AD5310BRTZ-REEL7CT-ND	DAC 10-Bit R-R with Buffer*	SOT-23-6	3.83	3.06	2.38
AD5310BRTZ-REEL	AD5310BRTZ-REEL7TR-ND	DAC 10-Bit R-R with Buffer*	SOT-23-6	20830.00/10,000		
AD5311BRM	AD5311BRM-ND	DAC 10-Bit, 2-Wire with Buffer	8-MSOP	5.36	4.29	3.34
AD5311BRMZ	AD5311BRMZ-ND	DAC 10-Bit, 2-Wire with Buffer*	8-MSOP	5.36	4.29	3.34
AD5312BRM	AD5312BRM-ND	DAC 10-Bit Dual Rail-to-Rail	10-MSOP	5.86	4.69	3.96
AD5312BRMZ	AD5312BRMZ-ND	DAC 10-Bit Dual Rail-to-Rail*	10-MSOP	5.86	4.69	3.96
AD5314BRMZ	AD5314BRMZ-ND	DAC 10-Bit Quad Voltage Out*	10-MSOP	8.66	6.93	5.85
AD5315BRMZ	AD5315BRMZ-ND	DAC 10-Bit, 2-Wire I2C*	10-MSOP	8.66	6.93	5.85
AD5316BRU	AD5316BRU-ND	DAC 10-Bit Quad with Buffer	16-TSSOP	9.14	7.32	6.17
AD5316BRUZ	AD5316BRUZ-ND	DAC 10-Bit Quad with Buffer*	16-TSSOP	9.14	7.32	6.17
AD5317BRUZ	AD5317BRUZ-ND	DAC 10-Bit Quad with Buffer*	16-TSSOP	9.14	7.32	6.17
AD5317BRUZ-REEL7	AD5317BRUZREEL7CT-ND	DAC 10-Bit Quad with Buffer*	16-TSSOP	9.14	7.32	6.17
AD5317BRUZ-REEL7	AD5317BRUZREEL7TR-ND	DAC 10-Bit Quad with Buffer*	16-TSSOP	5713.00/1,000		
AD5318ARUZ	AD5318ARUZ-ND	DAC 10-Bit, 2.5V Octal*	16-TSSOP	9.52	7.62	6.43
AD5318BRUZ	AD5318BRUZ-ND	DAC 10-Bit, 2.5V Octal*	16-TSSOP	9.66	8.70	7.72
AD5320BRM	AD5320BRM-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out	8-MSOP	6.10	4.88	4.12
AD5320BRM2	AD5320BRM2-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out*	8-MSOP	6.10	4.88	4.12
AD5320BRT-500RL7	AD5320BRT500RL7CT-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out	SOT-23-6	5.40	4.32	3.65
AD5320BRT-500RL7	AD5320BRT500RL7TR-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out	SOT-23-6	1714.50/500		
AD5320BRT-REEL7	AD5320BRT-REEL7CT-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out	SOT-23-6	5.00	4.00	3.38
AD5320BRT-REEL7	AD5320BRT-REEL7TR-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out	SOT-23-6	9300.00/3,000		
AD5320BRTZ-REEL7	AD5320BRTZREEL7CT-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out*	SOT-23-6	5.00	4.00	3.38
AD5320BRTZ-REEL7	AD5320BRTZREEL7TR-ND	DAC 12-Bit, 2.7V Rail-to-Rail Out*	SOT-23-6	9300.00/3,000		
AD5321BRM	AD5321BRM-ND	DAC 12-Bit, 2.5V 2-Wire	8-MSOP	7.20	5.76	4.86
AD5321BRMZ	AD5321BRMZ-ND	DAC 12-Bit, 2.5V 2-Wire*	8-MSOP	7.20	5.76	4.86
AD5322BRMZ	AD5322BRMZ-ND	DAC 12-Bit Dual Rail-to-Rail Out*	10-MSOP	8.63	7.77	6.89
AD5323BRU	AD5323BRU-ND	DAC 12-Bit Dual Rail-to-Rail	16-TSSOP	9.15	8.24	7.31
AD5323BRUZ	AD5323BRUZ-ND	DAC 12-Bit Dual Rail-to-Rail*	16-TSSOP	9.15	8.24	7.31
AD5324BRM	AD5324BRM-ND	DAC 12-Bit Quad 2.5V	10-MSOP	14.13	12.72	11.28
AD5324BRMZ	AD5324BRMZ-ND	DAC 12-Bit Quad 2.5V*	10-MSOP	14.13	12.72	11.28
AD5325BRMZ	AD5325BRMZ-ND	DAC 12-Bit, 2 Wire I2C*	10-MSOP	14.13	12.72	11.28
AD5326BRU	AD5326BRU-ND	DAC 12-Bit Quad with Buffer	16-TSSOP	14.73	13.26	11.76
AD5326BRUZ	AD5326BRUZ-ND	DAC 12-Bit Quad with Buffer*	16-TSSOP	14.73	13.26	11.76
AD5327BRUZ	AD5327BRUZ-ND	DAC 12-Bit Quad 2.5V*	16-TSSOP	14.73	13.26	11.76
AD5328ARU	AD5328ARU-ND	DAC 12-Bit, 2.5V Octal	16-TSSOP	14.13	12.72	11.28

* *RoHS Compliant*

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5328ARUZ	AD5328ARUZ-ND	DAC 12-Bit, 2.5V Octal*	16-TSSOP	14.13	12.72	11.28
AD5328BRUZ	AD5328BRUZ-ND	DAC 12-Bit, 2.5V Octal*	16-TSSOP	16.59	14.94	13.25
AD5330BRU	AD5330BRU-ND	DAC 8-Bit Single Voltage Out	20-TSSOP	5.36	4.29	3.34
AD5330BRUZ	AD5330BRUZ-ND	DAC 8-Bit Single Voltage Out*	20-TSSOP	5.36	4.29	3.34
AD5331BRUZ	AD5331BRUZ-ND	DAC 10-Bit Single Voltage Out*	20-TSSOP	5.12	4.10	3.46
AD5334BRU	AD5334BRU-ND	DAC 8-Bit Quad Voltage Out	24-TSSOP	8.18	6.55	5.53
AD5334BRUZ	AD5334BRUZ-ND	DAC 8-Bit Quad Voltage Out*	24-TSSOP	8.18	6.55	5.53
AD5336BRU	AD5336BRU-ND	DAC 10-Bit Quad Voltage Out	28-TSSOP	9.76	7.81	6.59
AD5336BRUZ	AD5336BRUZ-ND	DAC 10-Bit Quad Voltage Out*	28-TSSOP	9.76	7.81	6.59
AD5337ARM	AD5337ARM-ND	DAC 8-Bit Dual 2-Wire*	8-MSOP	3.04	2.43	1.89
AD5337ARMZ	AD5337ARMZ-ND	DAC 8-Bit Dual 2-Wire*	8-MSOP	3.04	2.43	1.89
AD5337BRM	AD5337BRM-ND	DAC 8-Bit Dual 2-Wire	8-MSOP	4.28	3.42	2.66
AD5338ARM	AD5338ARM-ND	DAC 10-Bit Dual 2-Wire	8-MSOP	5.22	4.18	3.25
AD5338BRM	AD5338BRM-ND	DAC 10-Bit Dual 2-Wire	8-MSOP	6.34	5.08	4.28
AD5339ARM	AD5339ARM-ND	DAC 12-Bit Dual 2-Wire	8-MSOP	7.80	6.24	5.27
AD5339BRM	AD5339BRM-ND*	DAC 12-Bit Dual 2-Wire	8-MSOP	9.75	8.78	7.79
AD5341BRU	AD5341BRU-ND	DAC 12-Bit Single Voltage Out	20-TSSOP	7.32	5.86	4.95
AD5341BRUZ	AD5341BRUZ-ND	DAC 12-Bit Single Voltage Out*	20-TSSOP	7.32	5.86	4.95
AD5343BRUZ	AD5343BRUZ-ND	DAC 12-Bit Dual Volt. Out * **NEW!**	20-TSSOP	9.55	8.60	7.63
AD5344BRU	AD5344BRU-ND	DAC 12-Bit Quad Voltage Out	28-TSSOP	16.16	14.55	12.91
AD5346BCP	AD5346BCP-ND	DAC 8-Bit Octal Voltage Out	40-LFCSP	7.30	5.84	4.93
AD5346BRU	AD5346BRU-ND	DAC 8-Bit Octal Voltage Out	38-TSSOP	7.20	5.76	4.86
AD5347BCP	AD5347BCP-ND	DAC 10-Bit Octal Voltage Out	40-LFCSP	10.06	9.06	8.04
AD5347BRU	AD5347BRU-ND	DAC 10-Bit Octal Voltage Out	38-TSSOP	10.00	9.00	7.98
AD5348BCP	AD5348BCP-ND	DAC 12-Bit Octal Voltage Out	40-LFCSP	15.45	14.42	13.39
AD5348BRU	AD5348BRU-ND	DAC 12-Bit Octal Voltage Out	38-TSSOP	15.38	14.35	13.33
AD5348BRUZ	AD5348BRUZ-ND	DAC 12-Bit Octal Voltage Out*	38-TSSOP	15.38	14.35	13.33
AD5379ABC	AD5379ABC-ND	DAC 14-Bit, 40-Ch., Serial Input, Bipolar Voltage Output	108-CSPBGA	105.44	98.41	91.38
EVAL-AD5379EB	EVAL-AD5379EB-ND	Evaluation Board for AD5379	—	199.00	—	—
AD5380BST-5	AD5380BST-5-ND	DAC 14-Bit, 40-Channel	100-LQFP	87.36	81.54	75.72
AD5380BSTZ-5	AD5380BSTZ-5-ND	DAC 14-Bit, 40-Channel*	100-LQFP	87.36	81.54	75.72
EVAL-AD5380EB	EVAL-AD5380EB-ND	Evaluation Board for AD5380	—	223.50	—	—
AD5381BSTZ-5	AD5381BSTZ-5-ND	DAC 12-Bit, 40-Channel*	100-LQFP	69.71	65.06	60.42
EVAL-AD5381EB	EVAL-AD5381EB-ND	Evaluation Board for AD5381	—	199.00	—	—
AD5382BST-5	AD5382BST-5-ND	DAC 14-Bit, 32-Channel Volt. Out	100-LQFP	100.18	80.00	67.50
AD5382BSTZ-5	AD5382BSTZ-5-ND	DAC 14-Bit, 32-Channel Volt. Out*	100-LQFP	75.00	70.00	65.00
EVAL-AD5382EB	EVAL-AD5382EB-ND	Evaluation Board for AD5382	—	199.00	—	—
AD5383BST-5	AD5383BST-5-ND	DAC 12-Bit, 32-Channel	100-LQFP	81.18	64.95	54.80
AD5383BSTZ-5	AD5383BSTZ-5-ND	DAC 12-Bit, 32-Channel*	100-LQFP	60.89	56.83	52.77
EVAL-AD5383EB	EVAL-AD5383EB-ND	Evaluation Board for AD5383	—	199.00	—	—
AD5384BBC-5	AD5384BBC-5-ND	DAC 14-Bit, 40-Ch., Voltage Out	100-CSPBGA	87.36	81.54	75.72
AD5390BCP-3	AD5390BCP-3-ND	DAC 14-Bit, 16-Channel	64-LFCSP	42.18	39.37	36.56
AD5390BCPZ-3	AD5390BCPZ-3-ND	DAC 14-Bit, 16-Channel*	64-LFCSP	42.18	39.37	36.56
AD5390BST-3	AD5390BST-3-ND	DAC 14-Bit, 16-Channel	52-LQFP	42.18	39.37	36.56
AD5390BSTZ-5	AD5390BSTZ-5-ND	DAC 14-Bit, 16-Channel*	52-LQFP	42.18	39.37	36.56
EVAL-AD5390EB	EVAL-AD5390EB-ND	Evaluation Board for AD5390	—	223.50	—	—
AD5391BCP-3	AD5391BCP-3-ND	DAC 12-Bit, 16-Ch. Voltage Out	64-LFCSP	35.12	32.78	30.44
AD5391BCPZ-3	AD5391BCPZ-3-ND	DAC 12-Bit, 16-Ch. Voltage Out*	64-LFCSP	35.12	32.78	30.44
EVAL-AD5391EB	EVAL-AD5391EB-ND	Evaluation Board for AD5391	—	223.50	—	—
AD5392BCP-3	AD5392BCP-3-ND	DAC 14-Bit, 8-Channel Voltage Out	64-LFCSP	26.30	24.55	22.79
AD5392BCP-5	AD5392BCP-5-ND	DAC 14-Bit, 8-Channel Voltage Out*	64-LFCSP	35.06	28.05	23.67
EVAL-AD5392EB	EVAL-AD5392EB-ND	Evaluation Board for AD5392	—	223.50	—	—
AD5398BCBZ-REEL7	AD5398BCBZ-REEL7CT-ND	DAC 10-Bit, 120mA Current Sinking* **NEW!**	9-WLCSP	3.40	2.72	2.12
AD5398BCBZ-REEL7	AD5398BCBZ-REEL7TR-ND	DAC 10-Bit, 120mA Current Sinking* **NEW!**	9-WLCSP	5709.00/3,000		
AD5398BCPZ-REEL7	AD5398CPZ-REEL7CT-ND	DAC 10-Bit, 120mA Current Sinking*	8-LFCSP	3.40	2.72	2.12
AD5398BCPZ-REEL7	AD5398CPZ-REEL7TR-ND	DAC 10-Bit, 120mA Current Sinking*	8-LFCSP	2887.50/1,500		
EVAL-AD5398EB	EVAL-AD5398EB-ND	Evaluation Board for AD5398	—	111.38	—	—
AD5399YRM	AD5399YRM-ND	DAC 12-Bit Dual with Reference	10-MSOP	9.96	7.97	6.73
AD5399YRMZ	AD5399YRMZ-ND	DAC 12-Bit Dual with Reference*	10-MSOP	9.96	7.97	6.73
AD5405YCP	AD5405YCP-ND	DAC 12-Bit Dual, Multiply	40-LFCSP	9.55	8.60	7.63
AD5405YCPZ	AD5405YCPZ-ND	DAC 12-Bit Dual, Multiply*	40-LFCSP	9.55	8.60	7.63
EVAL-AD5405EB	EVAL-AD5405EB-ND	Evaluation Board for AD5405	—	99.00	—	—
AD5415YRU	AD5415YRU-ND	DAC 12-Bit Multiplying, High Bandwidth	24-TSSOP	9.55	8.60	7.63
AD5415YRUZ	AD5415YRUZ-ND	DAC 12-Bit Multiplying, High Bandwidth*	24-TSSOP	9.55	8.60	7.63
AD5415YRU-REEL7	AD5415YRU-REEL7TR-ND	DAC 12-Bit Multiplying, High Bandwidth*	24-TSSOP	7076.55/1,000		
EVAL-AD5415EB	EVAL-AD5415EB-ND	Evaluation Board for AD5415	—	111.38	—	—
AD5424YRU	AD5424YRU-ND	DAC 8-Bit Multiplying	16-TSSOP	4.25	3.41	2.65
AD5424YRUZ	AD5424YRUZ-ND	DAC 8-Bit Multiplying*	16-TSSOP	4.25	3.41	2.65
EVAL-AD5424EB	EVAL-AD5424EB-ND	Evaluation Board for AD5424 **NEW!**	—	97.50	—	—
AD5425YRM	AD5425YRM-ND	DAC 8-Bit Multiply, High Bandwidth	10-MSOP	3.98	3.19	2.48
EVAL-AD5425EB	EVAL-AD5425EB-ND	Evaluation Board for AD5425	—	99.00	—	—
AD5426YRM	AD5426YRM-ND	DAC 8-Bit Multiply, High Bandwidth	10-MSOP	3.98	3.19	2.48
AD5428YRU	AD5428YRU-ND	DAC 8-Bit Multiply, High Bandwidth	20-TSSOP	6.64	5.32	4.49
AD5429YRU	AD5429YRU-ND	DAC 8-Bit Multiply, High Bandwidth	16-TSSOP	6.40	5.12	4.32
AD5429YRU-REEL7	AD5429YRU-REEL7TR-ND	DAC 8-Bit Multiply, High Bandwidth	16-TSSOP	4000.00/1,000		
EVAL-AD5429EB	EVAL-AD5429EB-ND	Evaluation Board for AD5429	—	111.38	—	—
AD5432YRM	AD5432YRM-ND	DAC 10-Bit Multiply, High Bandwidth	10-MSOP	5.62	4.50	3.80
AD5432YRMZ	AD5432YRMZ-ND	DAC 10-Bit Multiply, High Bandwidth*	10-MSOP	5.62	4.50	3.80
AD5433YRU	AD5433YRU-ND	DAC 10-Bit Multiply	20-TSSOP	5.90	4.72	3.99
AD5439YRU	AD5439YRU-ND	DAC 10-Bit Multiply, High Bandwidth	16-TSSOP	8.52	6.82	5.76
AD5439YRUZ	AD5439YRUZ-ND	DAC 10-Bit Multiply, High Bandwidth*	16-TSSOP	8.52	6.82	5.76
AD5439YRUZ-REEL7	AD5439YRUZ-REEL7TR-ND	DAC 10-Bit Multiply, High Bandwidth*	16-TSSOP	5325.00/1,000		
AD5439YRU-REEL7	AD5439YRU-REEL7TR-ND	DAC 10-Bit Multiply, High Bandwidth	16-TSSOP	5325.00/1,000		
EVAL-AD5439EB	EVAL-AD5439EB-ND	Evaluation Board for AD5439	—	111.38	—	—
AD5440YRU	AD5440YRU-ND	DAC 10-Bit Multiply, High Bandwidth	24-TSSOP	8.84	7.08	5.97
AD5443YRMZ	AD5443YRMZ-ND	DAC 12-Bit Multiply, High Bandwidth*	10-MSOP	7.30	5.84	4.93
EVAL-AD5443EB	EVAL-AD5443EB-ND	Evaluation Board for AD5443	—	99.00	—	—

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5445YCP	AD5445YCP-ND	DAC 12-Bit Multiply, High Bandwidth	20-LFCSP	7.44	5.96	5.03
AD5445YRUZ	AD5445YRUZ-ND	DAC 12-Bit Multiply, High Bandwidth*	20-TSSOP	7.44	5.96	5.03
EVAL-AD5445EB	EVAL-AD5445EB-ND	Evaluation Board for AD5445	—	99.00	—	—
AD5446YRMZ	AD5446YRMZ-ND	DAC 14-Bit Multiply, High Bandwidth* **NEW!**	10-MSOP	9.78	8.81	7.81
AD5447YRUZ	AD5447YRUZ-ND	DAC 12-Bit Multiply, High Bandwidth*	24-TSSOP	9.55	8.60	7.63
AD5449YRU	AD5449YRU-ND	DAC 12-Bit Multiply, High Bandwidth	16-TSSOP	9.55	8.60	7.63
AD5449YRUZ	AD5449YRUZ-ND	DAC 12-Bit Multiply, High Bandwidth*	16-TSSOP	9.55	8.60	7.63
AD5449YRU-REEL7	AD5449YRU-REEL7TR-ND	DAC 12-Bit Multiply, High Bandwidth	16-TSSOP	7077.00/1,000		
EVAL-AD5449EB	EVAL-AD5449EB-ND	Evaluation Board for AD5449	—	111.38	—	—
AD5516ABC-1	AD5516ABC-1-ND	DAC 12-Bit, 16-Channel	74-CSPBGA	47.33	44.17	41.02
AD5516ABC-2	AD5516ABC-2-ND	DAC 12-Bit, 16-Channel	74-CSPBGA	47.33	44.17	41.02
AD5516ABC-3	AD5516ABC-3-ND	DAC 12-Bit, 16-Channel	74-CSPBGA	47.33	44.17	41.02
AD5530BRU	AD5530BRU-ND	DAC 12-Bit Serial-In/Voltage Out	16-TSSOP	8.63	7.77	6.89
AD5530BRUZ	AD5530BRUZ-ND	DAC 12-Bit Serial-In/Voltage Out*	16-TSSOP	8.63	7.77	6.89
AD5531BRU	AD5531BRU-ND	DAC 14-Bit Serial-In/Voltage Out	16-TSSOP	14.11	12.71	11.27
AD5531BRUZ	AD5531BRUZ-ND	DAC 14-Bit Serial-In/Voltage Out*	16-TSSOP	14.11	12.71	11.27
AD5532ABC-1	AD5532ABC-1-ND	DAC 14-Bit, 32-Ch. Sample/Hold	74-LFBGA	81.90	76.44	70.98
AD5532ABC-2	AD5532ABC-2-ND	DAC 14-Bit, 32-Ch. Sample/Hold	74-LFBGA	81.90	76.44	70.98
AD5532BBC-1	AD5532BBC-1-ND	DAC 14-Bit, 32-Ch. Sample/Hold	74-CSPBGA	90.00	84.00	78.00
AD5533ABC-1	AD5533ABC-1-ND	DAC 14-Bit, 32-Channel	74-LFBGA	77.25	72.10	66.95
AD5541AR	AD5541AR-ND	DAC 16-Bit Serial-In/Voltage Out	8-SOIC	16.50	15.40	14.30
AD5541ARZ	AD5541ARZ-ND	DAC 16-Bit Serial-In/Voltage Out*	8-SOIC	16.50	15.40	14.30
AD5541CR	AD5541CR-ND	DAC 16-Bit Serial-In/Voltage Out	8-SOIC	30.00	28.00	26.00
AD5541CRZ	AD5541CRZ-ND	DAC 16-Bit Serial-In/Voltage Out*	8-SOIC	30.00	28.00	26.00
AD5541JR	AD5541JR-ND	DAC 16-Bit Serial-In/Voltage Out	8-SOIC	15.00	14.00	13.00
AD5541JRZ	AD5541JRZ-ND	DAC 16-Bit Serial-In/Voltage Out*	8-SOIC	15.00	14.00	13.00
AD5541LR	AD5541LR-ND	DAC 16-Bit Serial-In/Voltage Out	8-SOIC	22.50	21.00	19.50
AD5541LRZ	AD5541LRZ-ND	DAC 16-Bit Serial-In/Voltage Out*	8-SOIC	22.50	21.00	19.50
EVAL-AD5541/42EB	EVAL-AD5541/42EB-ND	Evaluation Board for AD5541/42 **NEW!**	—	146.25	—	—
AD5542AR	AD5542AR-ND	DAC 16-Bit Serial-In	14-SOIC	16.50	15.40	14.30
AD5542ARZ	AD5542ARZ-ND	DAC 16-Bit Serial-In*	14-SOIC	16.50	15.40	14.30
AD5542CRZ	AD5542CRZ-ND	DAC 16-Bit Serial-In*	14-SOIC	30.00	28.00	26.00
AD5542LRZ	AD5542LRZ-ND	DAC 16-Bit Serial-In*	14-SOIC	22.50	21.00	19.50
AD5543BRZ	AD5543BRZ-ND	DAC 16-Bit Serial-In/Current Out*	8-SOIC	15.36	14.34	13.32
AD5543BRM	AD5543BRM-ND	DAC 16-Bit Serial-In/Current Out	8-MSOP	15.36	14.34	13.32
AD5544ARSZ	AD5544ARSZ-ND	DAC 16-Bit Quad Serial-In * **NEW!**	28-SSOP	35.24	32.89	30.54
AD5545BRUZ	AD5545BRUZ-ND	DAC 16-Bit Dual Serial-In* **NEW!**	16-TSSOP	18.12	16.92	15.71
AD5546BRUZ	AD5546BRUZ-ND	DAC 16-Bit Multiplying*	28-TSSOP	15.54	14.51	13.47
AD5547BRUZ	AD5547BRUZ-ND	DAC 16-Bit Multiplying*	38-TSSOP	18.66	17.42	16.18
AD5551BR	AD5551BR-ND	DAC 14-Bit Serial-In	8-SOIC	12.81	11.54	10.23
AD5551BRZ	AD5551BRZ-ND	DAC 14-Bit Serial-In*	8-SOIC	12.81	11.54	10.23
AD5553CRM	AD5553CRM-ND	DAC 14-Bit Serial-In/Current Out	8-MSOP	11.08	9.98	8.85
AD5553CRMZ	AD5553CRMZ-ND	DAC 14-Bit Serial-In/Current Out*	8-MSOP	11.08	9.98	8.85
AD5555CRU	AD5555CRU-ND	DAC 14-Bit Dual Serial-In	16-TSSOP	14.61	13.16	11.67
AD5555CRUZ	AD5555CRUZ-ND	DAC 14-Bit Dual Serial-In*	16-TSSOP	14.61	13.16	11.67
AD5556CRUZ	AD5556CRUZ-ND	DAC 14-Bit Multiplying*	28-TSSOP	11.36	10.23	9.08
AD5570ARS	AD5570ARS-ND	DAC 16-Bit Serial-In/Voltage Out	16-SSOP	26.36	24.00	22.85
AD5570ARSZ	AD5570ARSZ-ND	DAC 16-Bit Serial-In/Voltage Out*	16-SSOP	31.62	29.52	27.41
EVAL-AD5570EB	EVAL-AD5570EB-ND	Evaluation Board for AD5570 **NEW!**	—	146.25	—	—
AD5582YRVZ	AD5582YRVZ-ND	DAC 12-Bit Quad Voltage Out*	48-TSSOP	16.80	15.68	14.56
AD5583YRV	AD5583YRV-ND	DAC 10-Bit Quad Voltage Out	48-TSSOP	11.46	10.32	9.16
AD5583YRVZ	AD5583YRVZ-ND	DAC 10-Bit Quad Volt. Out* **NEW!**	48-TSSOP	11.46	10.32	9.16
AD5621AKSZ-500RL7	AD5621AKSZ500RLCT-ND	DAC 12-Bit Voltage Out*	SC70-6	3.38	2.70	2.10
AD5621AKSZ-500RL7	AD5621AKSZ500RLTR-ND	DAC 12-Bit Voltage Out*	SC70-6	975.00/500		
AD5623RBCPZ-3REEL7	AD5623RBCPZ-3REEL7CT-ND	Dual 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	5.78	4.63	3.91
AD5623RBCPZ-3REEL7	AD5623RBCPZ-3REEL7TR-ND	Dual 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	5419.50/1,500		
AD5623RBRMZ-3	AD5623RBRMZ-3-ND	Dual 12-Bit *nanoDACs®* **NEW!**	10-MSOP	7.08	5.67	4.78
AD5623RBRMZ-5	AD5623RBRMZ-5-ND	Dual 12-Bit *nanoDACs®* **NEW!**	10-MSOP	7.08	5.67	4.78
AD5624RBCPZ-REEL7	AD5624RBCPZ-REEL7CT-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	9.15	8.24	7.31
AD5624RBCPZ-REEL7	AD5624RBCPZ-REEL7TR-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	10170.00/1,500		
AD5624RBCPZ-3REEL7	AD5624RBCPZ-3REEL7CT-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	9.98	8.99	7.97
AD5624RBCPZ-3REEL7	AD5624RBCPZ-3REEL7TR-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-LFCSP	11097.00/1,500		
AD5624RBRMZ	AD5624RBRMZ-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-MSOP	11.16	10.05	8.92
AD5624RBRMZ-3	AD5624RBRMZ-3-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-MSOP	13.21	11.90	10.55
AD5624RBRMZ-5	AD5624RBRMZ-5-ND	Quad 12-Bit *nanoDACs®* **NEW!**	10-MSOP	13.21	11.90	10.55
AD5641AKSZ-500RL7	AD5641AKSZ500RLCT-ND	Dual 14-Bit Voltage Out*	SC70-6	4.88	3.91	3.30
AD5641AKSZ-500RL7	AD5641AKSZ500RLTR-ND	Dual 14-Bit Voltage Out*	SC70-6	1296.00/500		
AD5643RBRMZ-3	AD5643RBRMZ-3-ND	Quad 14-Bit *nanoDACs®* **NEW!**	10-MSOP	9.66	8.70	7.72
AD5643RBRMZ-5	AD5643RBRMZ-5-ND	Quad 14-Bit *nanoDACs®* **NEW!**	10-MSOP	9.66	8.70	7.72
AD5644RBRMZ-3	AD5644RBRMZ-3-ND	Quad 14-Bit *nanoDACs®* **NEW!**	10-MSOP	16.16	14.55	12.91
AD5644RBRMZ-5	AD5644RBRMZ-5-ND	Quad 14-Bit *nanoDACs®* **NEW!**	10-MSOP	16.46	15.36	14.27
AD5663ARMZ	AD5663ARMZ-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-MSOP	10.26	9.24	8.20
AD5663BCPZ-REEL7	AD5663BCPZ-REEL7CT-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	8.91	8.03	7.12
AD5663BCPZ-REEL7	AD5663BCPZ-REEL7TR-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	9910.50/1,500		
AD5663BRMZ	AD5663BRMZ-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-MSOP	10.88	9.80	8.69
AD5663BRMZ-1	AD5663BRMZ-1-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-MSOP	10.88	9.80	8.69
AD5663RBCPZ-3REEL7	AD5663RBCPZ-3REEL7CT-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	9.16	8.25	7.32
AD5663RBCPZ-3REEL7	AD5663RBCPZ-3REEL7TR-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	10189.50/1,500		
AD5663RBRMZ-3	AD5663RBRMZ-3-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-MSOP	11.98	10.79	9.57
AD5663RBRMZ-5	AD5663RBRMZ-5-ND	Dual 16-Bit *nanoDACs®* **NEW!**	10-MSOP	11.98	10.79	9.57
AD5664ARMZ	AD5664ARMZ-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-MSOP	18.21	17.00	15.79
AD5664BCPZ-REEL7	AD5664BCPZ-REEL7CT-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	15.45	14.42	13.39
AD5664BCPZ-REEL7	AD5664BCPZ-REEL7TR-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	19081.50/1,500		
AD5664BRMZ	AD5664BRMZ-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-MSOP	18.86	17.60	16.35
AD5664RBCPZ-3REEL7	AD5664RBCPZ-3REEL7CT-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	15.68	14.63	13.59
AD5664RBCPZ-3REEL7	AD5664RBCPZ-3REEL7TR-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-LFCSP	19359.00/1,500		
AD5664RBRMZ-3	AD5664RBRMZ-3-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-MSOP	20.22	18.88	17.53
AD5664RBRMZ-5	AD5664RBRMZ-5-ND	Quad 16-Bit *nanoDACs®* **NEW!**	10-MSOP	20.22	18.88	17.53
AD5680RBJZ-2REEL7	AD5680RBJZ-2REEL7CT-ND	5V, 18-Bit *nanoDACs®* **NEW!**	SOT-23-8	6.78	5.43	4.58
AD5680RBJZ-2REEL7	AD5680RBJZ-2REEL7TR-ND	5V, 18-Bit *nanoDACs®* **NEW!**	SOT-23-8	12612.00/3,000		
AD5764CSUZ	AD5764CSUZ-ND	DAC 16-Bit Quad, Serial-In/Bipolar Voltage Out* **NEW!**	32-TQFP	63.00	58.90	54.60
EVAL-AD5764EB	EVAL-AD5764EB-ND	Evaluation Board for AD5764 **NEW!**	—	168.75	—	—
AD7111ABNZ	AD7111ABNZ-ND	DAC Logarithm*	16-Dip	10.36	9.33	8.28

★ *RoHS Compliant*

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7224KN	AD7224KN-ND	DAC 8-Bit LC2MOS	18-Dip	9.12	7.30	6.16
AD7224KNZ	AD7224KNZ-ND	DAC 8-Bit LC2MOS*	18-Dip	9.12	7.30	6.16
AD7224KR-18	AD7224KR-18-ND	DAC 8-Bit LC2MOS	18-SOIC	8.06	6.47	5.46
AD7224LR-18	AD7224LR-18-ND	DAC 8-Bit LC2MOS	18-SOIC	8.86	7.98	7.08
AD7225KN	AD7225KN-ND	DAC 8-Bit LC2MOS Quad	24-Dip	23.78	22.19	20.61
AD7225KNZ	AD7225KNZ-ND	DAC 8-Bit LC2MOS Quad* ***NEW!***	24-Dip	23.78	22.19	20.61
AD7226KNZ	AD7226KNZ-ND	DAC 8-Bit LC2MOS Quad*	20-Dip	22.29	20.81	19.32
AD7226KPZ	AD7226KPZ-ND	DAC 8-Bit LC2MOS Quad*	20-PLCC	24.57	22.94	21.30
AD7226KRZ	AD7226KRZ-ND	DAC 8-Bit LC2MOS Quad*	20-SOIC	21.65	20.21	18.76
AD7228ABNZ	AD7228ABNZ-ND	DAC 8-Bit LC2MOS Octal	24-Dip	23.54	21.97	20.66
AD7228ABRZ	AD7228ABRZ-ND	DAC 8-Bit LC2MOS Octal*	24-SOIC	27.17	21.61	20.06
AD7228ACP	AD7228ACP-ND	DAC 8-Bit LC2MOS Octal	28-PLCC	27.17	25.36	23.55
AD7228ACPZ	AD7228ACPZ-ND	DAC 8-Bit LC2MOS Octal* ***NEW!***	28-PLCC	27.17	25.36	23.55
AD7228ACRZ	AD7228ACRZ-ND	DAC 8-Bit LC2MOS Octal*	24-SOIC	27.17	25.36	23.55
AD7228KNZ	AD7228KNZ-ND	DAC 8-Bit LC2MOS Octal*	24-Dip	44.22	41.28	38.33
AD7228KP	AD7228KP-ND	DAC 8-Bit LC2MOS Octal	28-PLCC	49.37	46.08	42.79
AD7228KPZ	AD7228KPZ-ND	DAC 8-Bit LC2MOS Octal* ***NEW!***	28-PLCC	49.37	46.08	42.79
AD7228LNZ	AD7228LNZ-ND	DAC 8-Bit LC2MOS Octal*	24-Dip	51.85	48.37	44.92
AD7233AN	AD7233AN-ND	DAC 12-Bit LC2MOS Serial	8-Dip	12.74	11.48	10.16
AD7237AAN	AD7237AAN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	27.20	25.39	23.57
AD7237ABN	AD7237ABN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	31.91	29.78	27.65
AD7237ABR	AD7237ABR-ND	DAC 12-Bit LC2MOS Dual	24-SOIC	29.04	27.11	25.17
AD7237ABRZ	AD7237ABRZ-ND	DAC 12-Bit LC2MOS Dual*	24-SOIC	29.04	27.11	25.17
AD7237JN	AD7237JN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	25.50	23.80	22.10
AD7237JNZ	AD7237JNZ-ND	DAC 12-Bit LC2MOS Dual*	24-Dip	25.50	23.80	22.10
AD7237JR	AD7237JR-ND	DAC 12-Bit LC2MOS Dual	24-SOIC	24.75	23.10	21.45
AD7237KN	AD7237KN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	28.91	26.97	25.03
AD7243ANZ	AD7243ANZ-ND	Serial DAC 12-Bit LC2MOS*	16-Dip	13.21	11.90	10.55
AD7243AR	AD7243AR-ND	Serial DAC 12-Bit LC2MOS	16-SOIC	12.83	11.55	10.25
AD7243ARZ	AD7243ARZ-ND	Serial DAC 12-Bit LC2MOS*	16-SOIC	12.83	11.55	10.25
AD7243BR	AD7243BR-ND	DAC 12-Bit with Amp/Reference	16-SOIC	15.58	14.03	12.44
AD7244JR	AD7244JR-ND	DAC 14-Bit LC2MOS Dual	28-SOIC	35.85	33.46	31.07
AD7244JRZ	AD7244JRZ-ND	DAC 14-Bit LC2MOS Dual*	28-SOIC	35.85	33.46	31.07
AD7245AAN	AD7245AAN-ND	DAC 12-Bit with Reference	24-Dip	13.66	12.30	10.91
AD7245AANZ	AD7245AANZ-ND	DAC 12-Bit with Reference*	24-Dip	13.66	12.30	10.91
AD7245AAPZ	AD7245AAPZ-ND	DAC 12-Bit with Reference*	28-PLCC	15.23	14.21	13.20
AD7245AAR	AD7245AAR-ND	DAC 12-Bit with Reference	24-SOIC	13.26	11.94	10.59
AD7245AARZ	AD7245AARZ-ND	DAC 12-Bit with Reference*	24-SOIC	13.26	11.94	10.59
AD7245JN	AD7245JN-ND	DAC 12-Bit with Reference	24-Dip	15.11	13.61	12.07
AD7245JPZ	AD7245JPZ-ND	DAC 12-Bit with Reference*	28-PLCC	16.23	14.21	13.20
AD7247AAN	AD7247AAN-ND	DAC 12-Bit with Amp/Buffer	24-Dip	25.50	23.80	22.10
AD7247ANZ	AD7247ANZ-ND	DAC 12-Bit with Amp/Buffer*	24-Dip	25.50	23.80	22.10
AD7247ARZ	AD7247ARZ-ND	DAC 12-Bit with Amp/Buffer*	24-SOIC	24.75	23.10	21.45
AD7247ABRZ	AD7247ABRZ-ND	DAC 12-Bit LC2MOS Dual*	24-SOIC	29.04	27.11	25.17
AD7247JN	AD7247JN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	25.50	23.80	22.10
AD7247JNZ	AD7247JNZ-ND	DAC 12-Bit LC2MOS Dual*	24-Dip	25.50	23.80	22.10
AD7248AAN	AD7248AAN-ND	DAC 12-Bit LC2MOS	24-Dip	13.66	12.30	10.91
AD7248ANZ	AD7248ANZ-ND	DAC 12-Bit LC2MOS*	24-Dip	13.66	12.30	10.91
AD7248AR	AD7248AR-ND	DAC 12-Bit with Reference	20-SOIC	13.26	11.94	10.59
AD7248ARZ	AD7248ARZ-ND	DAC 12-Bit with Reference*	20-SOIC	13.26	11.94	10.59
AD7248JNZ	AD7248JNZ-ND	DAC 12-Bit with Reference*	20-Dip	15.11	13.61	12.07
AD7249AN	AD7249AN-ND	DAC 12-Bit Serial with Reference	16-Dip	16.77	15.66	14.54
AD7249ANZ	AD7249ANZ-ND	DAC 12-Bit Serial with Reference*	16-Dip	16.77	15.66	14.54
AD7249ARZ	AD7249ARZ-ND	DAC 12-Bit Serial with Reference*	16-SOIC	16.28	15.19	14.11
AD7302BN	AD7302BN-ND	DAC 8-Bit Dual 2.7V	20-Dip	5.30	4.24	3.56
AD7302BR	AD7302BR-ND	DAC 8-Bit Dual 2.7V	20-SOIC	5.14	4.12	3.47
AD7302BRZ	AD7302BRZ-ND	DAC 8-Bit Dual 2.7V*	20-SOIC	5.14	4.12	3.47
AD7302BR-REEL7	AD7302BR-REEL7CT-ND	DAC 8-Bit Dual 2.7V	20-SOIC	5.14	4.12	3.47
AD7302BR-REEL7	AD7302BR-REEL7TR-ND	DAC 8-Bit Dual 2.7V	20-SOIC		1336.40	400
AD7302BRUZ	AD7302BRUZ-ND	DAC 8-Bit Dual 2.7V*	20-TSSOP	5.14	4.12	3.47
AD7303BN	AD7303BN-ND	DAC 8-Bit Dual 2.7V	8-Dip	6.20	4.96	4.19
AD7303BNZ	AD7303BNZ-ND	DAC 8-Bit Dual 2.7V*	8-Dip	6.20	4.96	4.19
AD7303BR	AD7303BR-ND	DAC 8-Bit Dual 2.7V	8-SOIC	5.02	4.82	4.07
AD7303BRZ	AD7303BRZ-ND	DAC 8-Bit Dual 2.7V*	8-SOIC	5.02	4.82	4.07
AD7303BRM	AD7303BRM-ND	DAC 8-Bit Dual 2.7V	8-MSOP	6.40	5.12	4.32
AD7303BRMZ	AD7303BRMZ-ND	DAC 8-Bit Dual 2.7V*	8-MSOP	6.40	5.12	4.32
AD7304BRU	AD7304BRU-ND	DAC 8-Bit Quad 3V/5V Rail-to-Rail	16-TSSOP	8.30	6.64	5.61
AD7304BRZ	AD7304BRZ-ND	DAC 8-Bit Quad 3V/5V Rail-to-Rail*	16-SOIC	8.30	6.64	5.61
AD7304YRZ	AD7304YRZ-ND	DAC 8-Bit Quad 3V/5V Rail-to-Rail*	16-SOIC	10.16	9.15	8.12
AD7305BRZ	AD7305BRZ-ND	DAC 8-Bit Quad 5V Rail-to-Rail*	20-SOIC	9.60	7.68	6.48
AD7305BRU	AD7305BRU-ND	DAC 8-Bit Quad 5V Rail-to-Rail	20-TSSOP	9.60	7.68	6.48
AD7305BRUZ	AD7305BRUZ-ND	DAC 8-Bit Quad 5V Rail-to-Rail*	20-TSSOP	9.60	7.68	6.48
AD7390ARZ	AD7390ARZ-ND	DAC 12-Bit, 3V Serial	8-SOIC	9.33	8.40	7.45
AD7390ARZ	AD7390ARZ-ND	DAC 12-Bit, 3V Serial-In*	8-SOIC	9.33	8.40	7.45
AD7391AN	AD7391AN-ND	DAC 10-Bit, 3V Serial-In*	8-Dip	7.44	5.96	5.03
AD7391AR	AD7391AR-ND	DAC 10-Bit, 3V Serial-In	8-SOIC	7.22	5.78	4.88
AD7391ARZ	AD7391ARZ-ND	DAC 10-Bit, 3V Serial-In*	8-SOIC	7.22	5.78	4.88
AD7392AR	AD7392AR-ND	DAC 12-Bit, 3V Parallel	20-SOIC	9.91	8.93	7.92
AD7392ARZ	AD7392ARZ-ND	DAC 12-Bit, 3V Parallel*	20-SOIC	9.91	8.93	7.92
AD7393AR	AD7393AR-ND	DAC 10-Bit, 3V Parallel	20-SOIC	7.66	6.13	5.18
AD7396ARZ	AD7396ARZ-ND	DAC 12-Bit, 3V Parallel*	24-SOIC	10.13	9.12	8.09
AD7397ARU	AD7397ARU-ND	DAC 10-Bit, 3V Parallel	24-TSSOP	8.24	6.60	5.57
AD7398BRZ	AD7398BRZ-ND	DAC 12-Bit Quad Serial-In*	16-SOIC	16.13	15.05	13.96
AD7398BRUZ	AD7398BRUZ-ND	DAC 12-Bit Quad Serial-In*	16-TSSOP	16.13	15.05	13.98
AD7524JNZ	AD7524JNZ-ND	DAC 8-Bit Multiplying*	16-Dip	7.24	5.80	4.89
AD7524JR	AD7524JR-ND	DAC 8-Bit Multiplying	16-SOIC	7.66	6.13	5.18
AD7524JRZ	AD7524JRZ-ND	DAC 8-Bit Multiplying*	16-SOIC	7.66	6.13	5.18
AD7528JN	AD7528JN-ND	DAC 8-Bit Dual Multiplying	20-Dip	9.15	8.24	7.31
AD7528JNZ	AD7528JNZ-ND	DAC 8-Bit Dual Multiplying*	20-Dip	9.15	8.24	7.31
AD7528JP	AD7528JP-ND	DAC 8-Bit Dual Multiplying	20-PLCC	10.13	9.12	8.09
AD7528JRZ	AD7528JRZ-ND	DAC 8-Bit Dual Multiplying*	20-SOIC	10.13	9.12	8.09
AD7528KN	AD7528KN-ND	DAC 8-Bit Dual Multiplying	20-Dip	9.45	8.51	7.55
AD7528KNZ	AD7528KNZ-ND	DAC 8-Bit Dual Multiplying*	20-Dip	9.45	8.51	7.55
AD7528LNZ	AD7528LNZ-ND	DAC 8-Bit Dual Multiplying*	20-Dip	15.23	13.76	12.20
AD7528LR	AD7528LR-ND	DAC 8-Bit Dual Multiplying	20-SOIC	15.23	14.21	13.20
AD7533JNZ	AD7533JNZ-ND	DAC 10-Bit Multiplying*	16-Dip	6.48	5.16	4.35
AD7533KN	AD7533KN-ND	DAC 10-Bit Multiplying	16-Dip	6.96	5.57	4.70
AD7533KNZ	AD7533KNZ-ND	DAC 10-Bit Multiplying*	16-Dip	6.96	5.57	4.70
AD7533LNZ	AD7533LNZ-ND	DAC 10-Bit Multiplying*	16-Dip	8.34	6.68	5.63
AD7533UQ	AD7533UQ-ND	DAC 10-Bit Multiplying	16-CDip	25.17	23.50	21.82
AD7537KN	AD7537KN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	21.41	19.98	18.56
AD7537KPZ	AD7537KPZ-ND	DAC 12-Bit LC2MOS Dual*	28-PLCC	22.88	21.35	19.83
AD7537LN	AD7537LN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	27.72	25.88	24.03

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD7541AJN	AD7541AJN-ND	DAC 12-Bit Multiplying	18-Dip	11.51	10.37	9.20
AD7541AJNZ	AD7541AJNZ-ND	DAC 12-Bit Multiplying*	18-Dip	11.51	10.37	9.20
AD7541AKN	AD7541AKN-ND	DAC 12-Bit Multiplying	18-Dip	12.79	11.52	10.22
AD7541AKNZ	AD7541AKNZ-ND	DAC 12-Bit Multiplying*	18-Dip	12.79	11.52	10.22
AD7542JNZ	AD7542JNZ-ND	DAC 12-Bit Multiplying*	16-Dip	18.93	17.67	16.41
AD7542KNZ	AD7542KNZ-ND	DAC 12-Bit Multiplying*	16-Dip	20.93	19.53	18.14
AD7542KR	AD7542KR-ND	DAC 12-Bit Multiplying	16-SOIC	20.33	18.97	17.62
AD7543GKR	AD7543GKR-ND	DAC 12-Bit Serial Input Multiplying	16-SOIC	24.29	22.67	21.05
AD7543JN	AD7543JN-ND	DAC 12-Bit Serial Input Multiplying	16-Dip	17.18	16.03	14.89
AD7543KN	AD7543KN-ND	DAC 12-Bit Serial Input Multiplying	16-Dip	18.99	17.73	16.46
AD7545AKN	AD7545AKN-ND	DAC 12-Bit Multiplying	20-Dip	10.11	9.11	8.08
AD7545AKNZ	AD7545AKNZ-ND	DAC 12-Bit Multiplying*	20-Dip	10.11	9.11	8.08
AD7545AKP	AD7545AKP-ND	DAC 12-Bit Multiplying	20-PLCC	11.86	10.68	9.47
AD7545GLN	AD7545GLN-ND	DAC 12-Bit Multiplying	20-Dip	23.15	21.61	20.06
AD7545JNZ	AD7545JNZ-ND	DAC 12-Bit Multiplying*	20-Dip	12.28	11.06	9.81
AD7547JN	AD7547JN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	20.04	18.71	17.37
AD7547JNZ	AD7547JNZ-ND	DAC 12-Bit LC2MOS Dual*	24-Dip	20.04	18.71	17.37
AD7547JPZ	AD7547JPZ-ND	DAC 12-Bit LC2MOS Dual*	28-PLCC	22.41	20.92	19.43
AD7547JR	AD7547JR-ND	DAC 12-Bit LC2MOS Dual	24-SOIC	19.46	18.16	16.87
AD7547JRZ	AD7547JRZ-ND	DAC 12-Bit LC2MOS Dual*	24-SOIC	19.46	18.16	16.87
AD7547KN	AD7547KN-ND	DAC 12-Bit LC2MOS Dual	24-Dip	23.49	21.93	20.36
AD7547KNZ	AD7547KNZ-ND	DAC 12-Bit LC2MOS Dual*	24-Dip	23.49	21.93	20.36
AD7547KPZ	AD7547KPZ-ND	DAC 12-Bit LC2MOS Dual*	28-PLCC	26.22	24.48	22.73
AD7547LPZ	AD7547LPZ-ND	DAC 12-Bit LC2MOS Dual*	28-PLCC	35.49	33.13	30.76
AD7548BQ	AD7548BQ-ND	DAC 12-Bit LC2MOS	20-CDip	20.06	18.72	17.39
AD7548JNZ	AD7548JNZ-ND	DAC 12-Bit LC2MOS*	20-Dip	14.56	13.11	11.63
AD7548KN	AD7548KN-ND	DAC 12-Bit LC2MOS	20-Dip	15.90	14.84	13.78
AD7548KNZ	AD7548KNZ-ND	DAC 12-Bit LC2MOS*	20-Dip	15.90	14.84	13.78
AD7548KP	AD7548KP-ND	DAC 12-Bit LC2MOS	20-PLCC	17.57	16.40	15.23
AD7549BQ	AD7549BQ-ND	DAC 12-Bit LC2MOS Dual	20-CDip	36.41	33.98	31.56
AD7564BRZ	AD7564BRZ-ND	DAC 12-Bit LC2MOS Quad*	28-SOIC	21.00	19.60	18.20
AD7564BRS	AD7564BRS-ND	DAC 12-Bit LC2MOS Quad	28-SSOP	21.00	19.60	18.20
AD7564BRSZ	AD7564BRSZ-ND	DAC 12-Bit LC2MOS Quad*	28-SSOP	21.00	19.60	18.20
AD7568BP	AD7568BP-ND	DAC 12-Bit LC2MOS Octal	44-PLCC	46.20	43.12	40.04
AD7568BS	AD7568BS-ND	DAC 12-Bit LC2MOS Octal	44-PQFP	46.20	43.12	40.04
AD7568BSZ	AD7568BSZ-ND	DAC 12-Bit LC2MOS Octal*	44-PQFP	46.20	43.12	40.04
AD7628KN	AD7628KN-ND	DAC 8-Bit Dual Multiplying	20-Dip	4.88	3.91	3.04
AD7628KRZ	AD7628KRZ-ND	DAC 8-Bit Dual Multiplying*	20-SOIC	4.75	3.80	2.96
AD7801BR	AD7801BR-ND	DAC 8-Bit, 2.7V	20-SOIC	5.20	4.16	3.24
AD7801BRU	AD7801BRU-ND	DAC 8-Bit, 2.7V	20-TSSOP	5.20	4.16	3.24
AD7801BRUZ	AD7801BRUZ-ND	DAC 8-Bit, 2.7V*	20-TSSOP	5.20	4.16	3.24
AD7801BRZ	AD7801BRZ-ND	DAC 8-Bit, 2.7V*	20-SOIC	5.20	4.16	3.24
AD7804BR	AD7804BR-ND	DAC 10-Bit, 3.3V Quad	16-SOIC	12.40	11.16	9.90
AD7805BRS	AD7805BRS-ND	DAC 10-Bit, 3.3V Quad	28-SSOP	12.25	11.03	9.78
AD7805BRSZ	AD7805BRSZ-ND	DAC 10-Bit, 3.3V Quad*	28-SSOP	12.25	11.03	9.78
AD7808BR	AD7808BR-ND	DAC 10-Bit, 3.3V Octal	24-SOIC	16.43	15.33	14.24
AD7809BST	AD7809BST-ND	DAC 10-Bit Octal	44-TQFP	20.91	19.52	18.13
AD7809BSTZ	AD7809BSTZ-ND	DAC 10-Bit Octal*	44-TQFP	20.91	19.52	18.13
AD7834AN	AD7834AN-ND	DAC 14-Bit Quad	28-Dip	38.63	36.05	33.48
AD7834AR	AD7834AR-ND	DAC 14-Bit Quad	28-SOIC	37.50	35.00	32.50
AD7834ARZ	AD7834ARZ-ND	DAC 14-Bit Quad*	28-SOIC	37.50	35.00	32.50
AD7834BN	AD7834BN-ND	DAC 14-Bit Quad	28-Dip	48.83	45.57	42.32
AD7834BR	AD7834BR-ND	DAC 14-Bit Quad*	28-SOIC	47.40	44.24	41.08
AD7835AS	AD7835AS-ND	DAC 14-Bit Quad	44-MQFP	39.45	36.82	34.19
AD7835ASZ	AD7835ASZ-ND	DAC 14-Bit Quad*	44-MQFP	39.45	36.82	34.19
AD7836AS	AD7836AS-ND	DAC 14-Bit Quad LC2MOS	44-MQFP	39.45	36.82	34.19
AD7837ANZ	AD7837ANZ-ND	DAC 12-Bit Multiplying Dual*	24-Dip	25.50	23.80	22.10
AD7837ARZ	AD7837ARZ-ND	DAC 12-Bit Multiplying Dual*	24-SOIC	24.75	23.10	21.45
AD7837BRZ	AD7837BRZ-ND	DAC 12-Bit Multiplying Dual*	24-SOIC	29.04	27.11	25.17
AD7839ASZ	AD7839ASZ-ND	DAC 13-Bit Octal Voltage Out*	44-MQFP	48.53	45.29	42.06
AD7840ARSZ	AD7840ARSZ-ND	DAC 14-Bit Low Power 5V*	24-SSOP	19.94	18.61	17.28
AD7840JN	AD7840JN-ND	DAC 14-Bit LC2MOS Voltage Out	24-Dip	17.33	16.17	15.02
AD7840JNZ	AD7840JNZ-ND	DAC 14-Bit LC2MOS Voltage Out*	24-Dip	17.33	16.17	15.02
AD7840JP	AD7840JP-ND	DAC 14-Bit LC2MOS Voltage Out	28-PLCC	19.94	18.61	17.28
AD7840JPZ	AD7840JPZ-ND	DAC 14-Bit LC2MOS Voltage Out* ***NEW!***	28-PLCC	19.94	18.61	17.28
AD7840KP	AD7840KP-ND	DAC 14-Bit LC2MOS Voltage Out	28-PLCC	22.77	21.26	19.74
AD7840KPZ	AD7840KPZ-ND	DAC 14-Bit LC2MOS Voltage Out* ***NEW!***	28-PLCC	22.77	21.26	19.74
AD7841ASZ	AD7841ASZ-ND	DAC 14-Bit Octal Voltage Out*	44-MQFP	50.55	47.18	43.81
AD7841BS	AD7841BS-ND	DAC 14-Bit Octal Voltage Out	44-MQFP	59.63	55.65	51.68
AD7841BSZ	AD7841BSZ-ND	DAC 14-Bit Octal Voltage Out*	44-MQFP	59.63	55.65	51.68
EVAL-AD7841EB	EVAL-AD7841EB-ND	Evaluation Board for AD7841 ***NEW!***		195.00	—	—
AD7845JN	AD7845JN-ND	DAC 12-Bit Multiplying	24-Dip	10.91	9.83	8.72
AD7845JNZ	AD7845JNZ-ND	DAC 12-Bit Multiplying*	24-Dip	10.91	9.83	8.72
AD7845JP	AD7845JP-ND	DAC 12-Bit Multiplying	28-PLCC	12.20	10.98	9.74
AD7845JPZ	AD7845JPZ-ND	DAC 12-Bit Multiplying* ***NEW!***	28-PLCC	12.20	10.98	9.74
AD7845JR	AD7845JR-ND	DAC 12-Bit Multiplying	24-SOIC	10.60	9.54	8.46
AD7845JRZ	AD7845JRZ-ND	DAC 12-Bit Multiplying*	24-SOIC	10.60	9.54	8.46
AD7845KPZ	AD7845KPZ-ND	DAC 12-Bit Multiplying* ***NEW!***	28-PLCC	16.41	14.78	13.11
AD7846JNZ	AD7846JNZ-ND	DAC 16-Bit LC2MOS Voltage Out*	28-Dip	31.77	29.66	27.54
AD7846JP	AD7846JP-ND	DAC 16-Bit LC2MOS Voltage Out	28-PLCC	33.93	31.67	29.41
AD7846KNZ	AD7846KNZ-ND	DAC 16-Bit LC2MOS Voltage Out*	28-Dip	40.13	37.45	34.78
AD7846KP	AD7846KP-ND	DAC 16-Bit LC2MOS Voltage Out	28-PLCC	38.96	36.36	33.77
AD7847AN	AD7847AN-ND	DAC 12-Bit Multiplying Dual	24-Dip	26.51	24.74	22.98
AD7847ANZ	AD7847ANZ-ND	DAC 12-Bit Multiplying Dual*	24-Dip	26.51	24.74	22.98
AD7847AR	AD7847AR-ND	DAC 12-Bit Multiplying Dual	24-SOIC	25.74	24.03	22.31
AD7847ARZ	AD7847ARZ-ND	DAC 12-Bit Multiplying Dual*	24-SOIC	25.74	24.03	22.31
AD7847BRZ	AD7847BRZ-ND	DAC 12-Bit Multiplying Dual*	24-SOIC	30.20	28.19	26.17
AD7849BR	AD7849BR-ND	DAC 14/16-Bit Serial-In	20-SOIC	19.50	18.20	16.90
AD7943ARS-B	AD7943ARS-B-ND	DAC 12-Bit Multiplying	20-SSOP	9.30	7.44	6.28
AD7945BR	AD7945BR-ND	DAC 12-Bit Multiplying	16-SOIC	9.30	7.44	6.28
AD7945BR	AD7945BR-ND	DAC 12-Bit Multiplying	20-SOIC	9.30	7.44	6.28
AD7945BRZ	AD7945BRZ-ND	DAC 12-Bit Multiplying*	20-SOIC	9.30	7.44	6.28
AD7945BRS	AD7945BRS-ND	DAC 12-Bit Multiplying	20-SSOP	9.30	7.44	6.28
AD7945BRSZ	AD7945BRSZ-ND	DAC 12-Bit Multiplying*	20-SSOP	9.30	7.44	6.28
AD7948BR	AD7948BR-ND	DAC 12-Bit Multiplying	20-SOIC	9.30	7.44	6.28
AD7948BRZ	AD7948BRZ-ND	DAC 12-Bit Multiplying*	20-SOIC	9.30	7.44	6.28
AD8300AR	AD8300AR-ND	DAC 12-Bit 3V Serial-In	8-SOIC	9.63	8.67	7.69
AD8300ARZ	AD8300ARZ-ND	DAC 12-Bit 3V Serial-In*	8-SOIC	9.63	8.67	7.69
AD8522AR	AD8522AR-ND	DAC 12-Bit Dual 5V	14-SOIC	14.26	12.84	11.39

* *RoHS Compliant* *(Continued)*

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AD8522ARZ	AD8522ARZ-ND	DAC 12-Bit Dual 5V*	14-SOIC	14.26	12.84	11.39
AD8582AN	AD8582AN-ND	DAC 12-Bit Dual 5V	24-Dip	17.46	16.30	15.14
AD8582AR	AD8582AR-ND	DAC 12-Bit Dual 5V	24-SOIC	16.97	15.84	14.71
AD8582ARZ	AD8582ARZ-ND	DAC 12-Bit Dual 5V*	24-SOIC	16.97	15.84	14.71
AD8801AR	AD8801AR-ND	DAC 8-Bit Octal with Shutdown	16-SOIC	7.66	6.13	5.18
AD8801ARZ	AD8801ARZ-ND	DAC 8-Bit Octal with Shutdown*	16-SOIC	7.66	6.13	5.18
AD8803ARZ	AD8803ARZ-ND	DAC 8-Bit Octal with Shutdown*	16-SOIC	7.66	6.13	5.18
AD8842AR	AD8842AR-ND	DAC 8-Bit Octal Multiplying	24-SOIC	15.24	13.73	12.17
AD8842ARZ	AD8842ARZ-ND	DAC 8-Bit Octal Multiplying*	24-SOIC	15.24	13.73	12.17
AD9708ARZ	AD9708ARZ-ND	DAC 8-Bit, 100MSPS*	28-SOIC	7.42	5.94	5.01
AD9708AST	AD9708AST-ND	DAC 8-Bit, 125MSPS	48-LQFP	8.81	7.94	7.04
AD9709ASTZ	AD9709ASTZ-ND	DAC 8-Bit, 125MSPS*	48-LQFP	8.81	7.94	7.04
AD9731BRS	AD9731BRS-ND	DAC 10-Bit, 170MSPS	28-SSOP	14.58	13.13	11.64
AD9740ACPZ	AD9740ACPZ-ND	DAC 10-Bit, 165MSPS*	32-LFCSP	9.88	7.91	6.67
AD9740AR	AD9740AR-ND	DAC 10-Bit, 165MSPS	28-SOIC	9.88	7.91	6.67
AD9740ARU	AD9740ARU-ND	DAC 10-Bit, 165MSPS	28-TSSOP	9.88	7.91	6.67
AD9742ACP	AD9742ACP-ND	DAC 12-Bit, 165MSPS	32-LFCSP	11.66	10.50	9.31
AD9742AR	AD9742AR-ND	DAC 12-Bit, 165MSPS	28-SOIC	11.66	10.50	9.31
AD9742ARUZ	AD9742ARUZ-ND	DAC 12-Bit, 165MSPS*	28-TSSOP	11.66	10.50	9.31
AD9744ACPZ	AD9744ACPZ-ND	DAC 14-Bit, 165MSPS*	32-LFCSP	14.41	12.98	11.51
AD9744AR	AD9744AR-ND	DAC 14-Bit, 165MSPS	28-SOIC	14.41	12.98	11.51
AD9744ARUZ	AD9744ARUZ-ND	DAC 14-Bit, 165MSPS*	28-TSSOP	14.41	12.98	11.51
AD9748ACP	AD9748ACP-ND	DAC 8-Bit, 165MSPS	32-LFCSP	6.94	5.56	4.69
AD9751ASTZ	AD9751ASTZ-ND	DAC 10-Bit, 300MSPS*	48-LQFP	31.50	29.40	27.30
AD9752ARZ	AD9752ARZ-ND	DAC 12-Bit, 125MSPS*	28-SOIC	11.76	10.59	9.39
AD9752ARUZ	AD9752ARUZ-ND	DAC 12-Bit, 125MSPS High Perf.*	28-TSSOP	11.76	10.59	9.39
AD9753ASTZ	AD9753ASTZ-ND	DAC 12-Bit, 300MSPS*	48-LQFP	50.70	47.32	43.94
AD9754ARZ	AD9754ARZ-ND	DAC 14-Bit, 125MSPS High Perf.*	28-SOIC	14.61	13.16	11.67
AD9754ARUZ	AD9754ARUZ-ND	DAC 14-Bit, 125MSPS*	28-TSSOP	14.61	13.16	11.67
AD9755ASTZ	AD9755ASTZ-ND	DAC 14-Bit, 300MSPS*	48-LQFP	62.63	58.45	54.28
AD9755-EB	AD9755-EB-ND	Evaluation Board for AD9755	—	337.50	—	—
AD9760AR	AD9760AR-ND	DAC 10-Bit, 125MSPS	28-SOIC	9.70	8.73	7.75
AD9760AR50	AD9760AR50-ND	DAC 10-Bit, 125MSPS	28-SOIC	9.58	8.63	7.65
AD9760ARU	AD9760ARU-ND	DAC 10-Bit, 125MSPS	28-TSSOP	9.70	8.73	7.75
AD9760ARUZ	AD9760ARUZ-ND	DAC 10-Bit, 125MSPS*	28-TSSOP	9.70	8.73	7.75
AD9760ARU50	AD9760ARU50-ND	DAC 10-Bit, 50MSPS	28-TSSOP	9.58	8.63	7.65
AD9761ARS	AD9761ARS-ND	DAC 10-Bit Dual 40MSPS	28-SSOP	15.36	14.34	13.32
AD9761ARSZ	AD9761ARSZ-ND	DAC 10-Bit Dual 40MSPS*	28-SSOP	15.36	14.34	13.32
AD9762AR	AD9762AR-ND	DAC 12-Bit, 125MSPS	28-SOIC	11.96	10.77	9.55
AD9762ARZ	AD9762ARZ-ND	DAC 12-Bit, 125MSPS*	28-SOIC	11.96	10.77	9.55
AD9762ARUZ	AD9762ARUZ-ND	DAC 12-Bit, 125MSPS*	28-TSSOP	11.96	10.77	9.55
AD9763ASTZ	AD9763ASTZ-ND	DAC 10-Bit, Dual 125MSPS*	48-LQFP	11.76	10.59	9.39
AD9764AR	AD9764ARZ-ND	DAC 14-Bit, 125MSPS*	28-SOIC	15.39	13.86	12.29
AD9764ARUZ	AD9764ARUZ-ND	DAC 14-Bit, 125MSPS*	28-TSSOP	15.39	13.86	12.29
AD9765AST	AD9765AST-ND	DAC 12-Bit, Dual 125MSPS	48-LQFP	18.53	17.29	16.06
AD9765ASTZ	AD9765ASTZ-ND	DAC 12-Bit, Dual 125MSPS*	48-LQFP	18.53	17.29	16.06
AD9767ASTZ	AD9767ASTZ-ND	DAC 14-Bit, Dual 125MSPS*	48-LQFP	21.18	19.77	18.36
AD9772AAST	AD9772AAST-ND	DAC 14-Bit, 160MSPS	48-LQFP	26.39	24.63	22.87
AD9773BSV	AD9773BSV-ND	DAC 12-Bit, Dual 160MSPS	80-TQFP	39.96	37.30	34.64
AD9774AS	AD9774AS-ND	DAC 14-Bit, 32MSPS	44-MQFP	44.00	41.07	38.13
AD9778BSV	AD9778BSV-ND	DAC 14-Bit, Dual 160MSPS	80-TQFP	54.54	50.91	47.27
AD9778BSVZ	AD9778BSVZ-ND	DAC 14-Bit, Dual 160MSPS*	80-TQFP	54.54	50.91	47.27
AD9777BSVZ	AD9777BSVZ-ND	DAC 16-Bit, Dual 160MSPS*	80-TQFP	60.00	56.00	52.00
AD9777-EB	AD9777-EB-ND	Evaluation Board for AD9777	—	225.00	—	—
AD9779BSVZ	AD9779BSVZ-ND	DAC 16-Bit, Dual 1.0GSPS*	100-TQFP	51.09	47.69	44.28
AD9786BSV	AD9786BSV-ND	DAC 16-Bit, Interpolation and Signal Processing	80-TQFP	52.88	49.35	45.83
AD75004KP	AD75004KP-ND	DAC 12-Bit, Dual with Buffer	28-PLCC	56.55	52.78	49.01
ADDAC80-CCD-V	ADDAC80-CCD-V-ND	DAC 12-Bit, Low Cost	24-CDip	82.70	77.19	71.67
ADDAC80D-CBI-V	ADDAC80D-CBI-V-ND	DAC 12-Bit, Low Cost	24-CDip	27.51	25.68	23.85
ADDAC80NZ-CBI-V	ADDAC80NZ-CBI-V-ND	DAC 12-Bit, Binary Mono*	24-Dip	18.11	16.90	15.70
ADV7120KSTZ30	ADV7120KSTZ30-ND	DAC Video 3-Channel 30MHz*	48-TQFP	9.23	8.31	7.37
ADV7122KST50	ADV7122KST50-ND	DAC Video 3-Channel 50MHz	48-TQFP	12.33	11.10	9.85
ADV7123JSTZ240	ADV7123JSTZ240-ND	DAC Video Triple High Speed*	48-LQFP	18.71	17.46	16.22
ADV7123KST250	ADV7123KST250-ND	DAC Video 3-Channel 50MHz*	48-LQFP	10.03	9.03	8.01
ADV7123KST240	ADV7123KST240-ND	DAC Video Triple High Speed*	48-LQFP	12.47	11.22	10.13
ADV7125JSTZ240	ADV7125JSTZ240-ND	DAC Video 3-Channel 240MHz*	48-LQFP	16.63	14.97	13.28
ADV7125JST330	ADV7125JST330-ND	DAC Video 3-Channel 330MHz	48-LQFP	19.46	18.16	16.87
ADV7125KST250	ADV7125KST250-ND	DAC Video 3-Channel 50MHz*	48-LQFP	9.64	7.72	6.51
ADV7125KSTZ140	ADV7125KSTZ140-ND	DAC Video 3-Channel 140MHz*	48-LQFP	10.15	9.14	8.10
ADV7127JRUZ240	ADV7127JRUZ240-ND	DAC Video 240MHz, 3.3/5V*	24-TSSOP	15.62	14.58	13.54
ADV7127KRUZ50	ADV7127KRUZ50-ND	DAC Video 240Mhz Single HS*	24-TSSOP	9.74	7.80	6.58
ADV7127KRUZ140	ADV7127KRUZ140-ND	DAC Video 140MHz, 3.3/5V*	24-TSSOP	12.94	11.74	10.10
ADV7129KS	ADV7129KS-ND	DAC Video 192-Bit	304-PQFP	1262.25	1178.10	1093.95
ADV7171KSZ	ADV7171KSZ-ND	DAC Video Encoder NTSC*	44-POFP	11.66	10.50	9.31
ADV7171KSU	ADV7171KSU-ND	DAC Video Encoder NTSC	44-TQFP	10.00	9.00	7.98
EVAL-ADV7171EBM	EVAL-ADV7171EBM-ND	Evaluation Board for ADV7171 **NEW!**	—	195.00	—	—
AD7173KSTZ	AD7173KSTZ-ND	DAC Video NTSC 6-Channel*	48-LQFP	11.25	10.13	8.98
AD7177KSZ	AD7177KSZ-ND	DAC Video NTSC 3-Channel*	44-MQFP	8.38	7.55	6.69
ADV7179BCPZ	ADV7179BCPZ-ND	DAC Video NTSC 3-Channel*	40-LFCSP	13.11	11.81	10.47
ADV7179KCP	ADV7179KCP-ND	DAC Video NTSC 3-Channel	40-LFCSP	10.93	9.84	8.73
ADV7179KCPZ	ADV7179KCPZ-ND	DAC Video NTSC 3-Channel* **NEW!**	40-LFCSP	10.93	9.84	8.73
ADV7179KCPZ-REEL	ADV7179KCPZ-REELCT-ND	DAC Video NTSC 3-Channel*	40-LFCSP	10.93	9.84	8.73
ADV7179KCPZ-REEL	ADV7179KCPZ-REELTR-ND	DAC Video NTSC 3-Channel*	40-LFCSP	1992	5.00	2,500
EVAL-ADV7179EBM	EVAL-ADV7179EBM-ND	Evaluation Board for ADV7179 **NEW!**	—	146.25	—	—
AD7301AKST	AD7301AKST-ND	DAC Video HDTV 6-12-Bit	64-LQFP	37.17	34.70	32.22
AD7311KST	AD7311KST-ND	DAC Six NSV® 12-Bit Video Encoder **NEW!**	64-LQFP	33.63	31.39	29.15
AD7321KSTZ	AD7321KSTZ-ND	DAC Six NSV® 12-Bit Video Encoder* **NEW!**	64-LQFP	33.63	31.39	29.15
DAC08AQ	DAC08AQ-ND	DAC 8-Bit Multiply High Speed	16-CDip	9.98	7.99	6.74
DAC08CPZ	DAC08CPZ-ND	DAC 8-Bit Multiply High Speed*	16-Dip	2.40	1.92	1.44
DAC08CSZ	DAC08CSZ-ND	DAC 8-Bit Multiply High Speed*	16-SOIC	2.40	1.92	1.44
DAC08EPZ	DAC08EPZ-ND	DAC 8-Bit Multiply High Speed*	16-Dip	2.70	2.16	1.68
DAC08EQ	DAC08EQ-ND	DAC 8-Bit Multiply High Speed	16-CDip	3.49	2.79	2.17
DAC08HPZ	DAC08HPZ-ND	DAC 8-Bit Multiply High Speed*	16-Dip	4.06	3.25	2.52
DAC10GP	DAC10GP-ND	DAC 10-Bit Multiply High Speed	18-Dip	5.60	4.48	3.76
DAC16FS	DAC16FS-ND	DAC 16-Bit Current Out	24-SOIC	39.03	36.43	33.83
DAC16GS	DAC16GS-ND	DAC 16-Bit Current Out	24-SOIC	49.97	46.64	43.31
DAC312HP	DAC312HP-ND	DAC 12-Bit Multiply High Speed	20-Dip	7.74	6.20	5.23
DAC312HSZ	DAC312HSZ-ND	DAC 12-Bit Multiply High Speed*	20-SOIC	7.74	6.20	5.23
DAC8043AFPZ	DAC8043AFPZ-ND	DAC 12-Bit Multiply Serial In*	8-Dip	8.58	6.87	5.80
DAC8043AFSZ	DAC8043AFSZ-ND	DAC 12-Bit Multiply Serial In*	8-SOIC	8.58	6.87	5.80

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
DAC8043FP	DAC8043FP-ND	DAC 12-Bit Multiply CMOS	8-Dip	12.41	11.18	9.91
DAC8043FPZ	DAC8043FPZ-ND	DAC 12-Bit Multiply CMOS*	8-Dip	12.41	11.18	9.91
DAC8043GP	DAC8043GP-ND	DAC 12-Bit Multiply CMOS	8-Dip	16.59	15.49	14.38
DAC8143FP	DAC8143FP-ND	DAC 12-Bit Daisy-Chain	16-Dip	9.36	8.43	7.48
DAC8143FSZ	DAC8143FSZ-ND	DAC 12-Bit Daisy-Chain*	16-SOIC	9.36	8.43	7.48
DAC8221FP	DAC8221FP-ND	DAC 12-Bit Dual Buffered	24-Dip	20.42	19.06	17.70
DAC8222FS	DAC8222FS-ND	DAC 12-Bit Dual Buffered	24-SOIC	28.19	26.31	24.43
DAC8222FSZ	DAC8222FSZ-ND	DAC 12-Bit Dual Buffered*	24-SOIC	28.19	26.31	24.43
DAC8222GP	DAC8222GP-ND	DAC 12-Bit Dual Buffered	24-Dip	33.17	30.96	28.75
DAC8248FPZ	DAC8248FPZ-ND	DAC 12-Bit Dual Buffered*	24-Dip	23.01	21.48	19.95
DAC8408FSZ	DAC8408FSZ-ND	DAC 8-Bit Quad with Memory*	28-SOIC	14.61	13.16	11.67
DAC8408FPCZ	DAC8408FPCZ-ND	DAC 8-Bit Quad with Memory*	28-PLCC	14.61	13.16	11.67
DAC8412EP	DAC8412EP-ND	DAC 12-Bit Quad Readback	28-Dip	51.41	47.98	44.56
DAC8412FPZ	DAC8412FPZ-ND	DAC 12-Bit Quad Readback*	28-Dip	42.05	39.25	36.44
DAC8412FPCZ	DAC8412FPCZ-ND	DAC 12-Bit Quad Readback*	28-PLCC	42.05	39.25	36.44
DAC8413EP	DAC8413EP-ND	DAC 12-Bit Quad Readback	28-Dip	51.41	47.98	44.56
DAC8413FPCZ	DAC8413FPCZ-ND	DAC 12-Bit Quad Readback*	28-PLCC	42.05	39.25	36.44
DAC8420EP	DAC8420EP-ND	DAC 12-Bit Quad Serial-Out	16-Dip	52.43	48.93	45.44
DAC8420ESZ	DAC8420ESZ-ND	DAC 12-Bit Quad Serial-Out*	16-SOIC	52.43	48.93	45.44
DAC8420FP	DAC8420FP-ND	DAC 12-Bit Quad Serial-Out	16-Dip	44.93	41.93	38.94
DAC8420FPZ	DAC8420FPZ-ND	DAC 12-Bit Quad Serial-Out* **NEW!**	16-Dip	44.93	41.93	38.94
DAC8420FS	DAC8420FS-ND	DAC 12-Bit Quad Serial-Out	16-SOIC	44.93	41.93	38.94
DAC8420FSZ	DAC8420FSZ-ND	DAC 12-Bit Quad Serial-Out*	16-SOIC	44.93	41.93	38.94
DAC8426FS	DAC8426FS-ND	DAC 8-Bit Quad with Voltage Reference	20-SOIC	26.15	24.41	22.66
DAC8512FPZ	DAC8512FPZ-ND	DAC 12-Bit, 5V Complete*	8-Dip	9.56	7.65	6.46
DAC8512FSZ	DAC8512FSZ-ND	DAC 12-Bit, 5V Complete*	8-SOIC	9.48	7.59	6.40
DAC8562FS	DAC8562FS-ND	DAC 12-Bit, 5V Parallel	20-SOIC	14.11	12.71	11.27
DAC8562FSZ	DAC8562FSZ-ND	DAC 12-Bit, 5V Parallel*	20-SOIC	14.11	12.71	11.27
DAC8800FPZ	DAC8800FPZ-ND	DAC 8-Bit Octal CMOS*	20-Dip	15.03	13.53	12.00
DAC8800FS	DAC8800FS-ND	DAC 8-Bit Octal CMOS	20-SOIC	15.03	13.53	12.00
DAC8800FS-REEL	DAC8800FS-REELCT-ND	DAC 8-Bit Octal CMOS	20-SOIC	15.03	13.53	12.00
DAC8800FS-REEL	DAC8800FS-REELTR-ND	DAC 8-Bit Octal CMOS	20-SOIC	1114.00	10.00	1000
DAC8840FP	DAC8840FP-ND	DAC 8-Bit Octal Multiply	24-Dip	16.32	15.24	14.15
DAC8840FS	DAC8840FS-ND	DAC 8-Bit Octal Multiply	24-SOIC	16.32	15.24	14.15
DAC8840FSZ	DAC8840FSZ-ND	DAC 8-Bit Octal Multiply*	24-SOIC	16.32	15.24	14.15
DAC8841FSZ	DAC8841FSZ-ND	DAC 8-Bit Octal 2-Quad*	24-SOIC	16.32	15.24	14.15
PM7226HP	PM7226HP-ND	DAC 8-Bit Quad CMOS	20-Dip	17.76	16.58	15.40
PM7226HS	PM7226HS-ND	DAC 8-Bit Quad CMOS	20-SOP	20.16	18.82	17.48
PM7545FP	PM7545FP-ND	DAC 12-Bit Multiplying	20-Dip	8.53	7.68	6.81
PM7545HP	PM7545HP-ND	DAC 12-Bit Multiplying	20-Dip	8.53	7.68	6.81
PM7592HP	PM7592HP-ND	DAC 8-Bit Dual Multiplying	20-PLCC	5.90	4.48	3.78
PM7548FS	PM7548FS-ND	DAC 12-Bit LC2MOS	20-SOIC	10.86	9.78	8.68
PM7628FP	PM7628FP-ND	DAC 12-Bit Multiplying	20-PLCC	6.02	4.82	4.07

RMS-to-DC

AD536AJD	AD536AJD-ND	True RMS/DC Converter	14-Dip	15.48	14.45	13.42
AD536AJH	AD536AJH-ND	True RMS/DC Converter	TO-100	11.25	10.13	8.98
AD536AJQ	AD536AJQ-ND	True RMS/DC Converter	14-Dip	11.25	10.13	8.98
AD536AKD	AD536AKD-ND	True RMS/DC Converter	14-CDip	32.21	30.06	27.92
AD536AKH	AD536AKH-ND	True RMS/DC Converter	TO-100	17.64	16.47	15.29
AD536ASD	AD536ASD-ND	True RMS/DC Converter	14-CDip	77.82	72.64	67.45
AD536ASH	AD536ASH-ND	True RMS/DC Converter	TO-100	35.03	35.49	32.96
AD636JQ		True RMS/DC Converter Mono	14-Dip	14.89	13.41	11.90
AD636JH	AD636JH-ND	True RMS/DC Converter Mono	TO-100	9.31	8.39	7.44
AD637AQ	AD637AQ-ND	True RMS/DC Converter WB	14-Dip	28.91	26.98	25.06
AD637ARZ	AD637ARZ-ND	True RMS/DC Converter WB*	16-SOIC	26.61	24.84	23.07
AD637BRZ	AD637BRZ-ND	True RMS/DC Converter WB*	16-SOIC	31.56	29.46	27.36
AD637JD	AD637JD-ND	True RMS/DC Converter WB	14-Dip	36.90	34.44	31.98
AD637JQ	AD637JQ-ND	True RMS/DC Converter WB	14-Dip	16.08	15.01	13.94
AD637JR	AD637JR-ND	True RMS/DC Converter WB	16-SOIC	16.43	14.79	13.12
AD637JRZ	AD637JRZ-ND	True RMS/DC Converter WB*	16-SOIC	16.43	14.79	13.12
AD637KQ	AD637KQ-ND	True RMS/DC Converter WB	14-Dip	27.47	25.64	23.81
AD637SD	AD637SD-ND	True RMS/DC Converter WB	14-CDip	95.07	88.74	82.40
AD736ARZ	AD736ARZ-ND	True RMS/DC Converter Low Power*	8-SOIC	7.54	6.04	5.09
AD736AQ	AD736AQ-ND	True RMS/DC Converter Low Power	8-Dip	12.20	10.98	9.74
AD736JN	AD736JN-ND	True RMS/DC Converter Low Power	8-Dip	7.54	6.04	5.09
AD736JNZ	AD736JNZ-ND	True RMS/DC Converter Low Power*	8-Dip	7.54	6.04	5.09
AD736JR	AD736JR-ND	True RMS/DC Converter Low Power	8-SOIC	7.54	6.04	5.09
AD736JRZ	AD736JRZ-ND	True RMS/DC Converter Low Power*	8-SOIC	7.54	6.04	5.09
AD736KR	AD736KR-ND	True RMS/DC Converter Low Power	8-SOIC	11.80	10.62	9.42
AD737JN	AD737JN-ND	True RMS/DC Converter Low Power	8-Dip	6.00	4.80	4.05
AD737JNZ	AD737JNZ-ND	True RMS/DC Converter Low Power*	8-Dip	6.00	4.80	4.05
AD737JR	AD737JR-ND	True RMS/DC Converter Low Power	8-SOIC	6.00	4.80	4.05
AD737JRZ	AD737JRZ-ND	True RMS/DC Converter Low Power*	8-SOIC	6.00	4.80	4.05

Voltage-to-Frequency

AD537JD	AD537JD-ND	Voltage/Frequency Converter	14-CDip	47.63	44.45	41.28
AD537JH	AD537JH-ND	Voltage/Frequency Converter	TO-100	13.74	12.38	10.98
AD650BD	AD650BD-ND	Voltage Freq./Freq. Voltage Converter	14-Dip	26.84	26.73	24.92
AD650JNZ	AD650JNZ-ND	Voltage Freq./Freq. Voltage Converter*	14-Dip	13.76	12.39	10.99
AD650KN	AD650KN-ND	Voltage Freq./Freq. Voltage Converter*	14-Dip	15.50	14.47	13.43
AD650KNZ	AD650KNZ-ND	Voltage Freq./Freq. Voltage Converter*	14-Dip	15.50	14.47	13.43
AD652JPZ	AD652JPZ-ND	Voltage/Frequency Converter Sync.*	20-PLCC	14.99	13.50	11.97
AD652KPZ	AD652KPZ-ND	Voltage/Frequency Converter Sync.*	20-PLCC	17.58	16.41	15.24
AD654JNZ	AD654JNZ-ND	Voltage/Frequency Converter Mono*	8-Dip	8.54	6.84	5.77
AD654JR	AD654JR-ND	Voltage/Frequency Converter Mono	8-SOIC	8.30	6.64	5.61
AD654JR-REEL7	AD654JR-REEL7TR-ND	Voltage/Frequency Converter Mono	8-SOIC		3953.25	750
AD654JRZ	AD654JRZ-ND	Voltage/Frequency Converter Mono*	8-SOIC	8.30	6.64	5.61
AD7741BN	AD7741BN-ND	Voltage/Frequency Converter	8-Dip	4.75	3.80	2.96
EVAL-AD7741/42EB	EVAL-AD7741/42EB-ND	Evaluation Board for AD7741 **NEW!**	—	97.50	—	—

DIGITAL POTENTIOMETERS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5160BRJZ5-R2	AD5160BRJZ5-R2CT-ND	Pot. Digital 5K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5160BRJZ5-RL7	AD5160BRJZ5-R2TR-ND	Pot. Digital 5K, 256 Position*	SOT-23-8		320.00	250
AD5160BRJ10-R2	AD5160BRJ10-R2CT-ND	Pot. Digital 10K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5160BRJ10-RL7	AD5160BRJ10-R2TR-ND	Pot. Digital 10K, 256 Position*	SOT-23-8		320.00	250
AD5160BRJ50-R2	AD5160BRJ50-R2CT-ND	Pot. Digital 50K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5160BRJ50-RL7	AD5160BRJ50-R2TR-ND	Pot. Digital 50K, 256 Position*	SOT-23-8		320.00	250
AD5160BRJZ50-RL7	AD5160BRJZ50-RL7CT-ND	Pot. Digital 50K, 256 Position*	SOT-23-8	1.58	1.26	.95
AD5160BRJZ50-RL7	AD5160BRJZ50-RL7TR-ND	Pot. Digital 50K, 256 Position*	SOT-23-8		2418.00	3.000
AD5160BRJ100-R2	AD5160BRJ100-R2CT-ND	Pot. Digital 100K, 256 Position	SOT-23-8	2.30	1.84	1.38
AD5160BRJ100-R2	AD5160BRJ100-R2TR-ND	Pot. Digital 100K, 256 Position	SOT-23-8		320.00	250

* RoHS Compliant

(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5160BRJZ100-R2	AD5160BRJZ100R2CT-ND	Pot, Digital 100K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5160BRJZ100-R2	AD5160BRJZ100R2TR-ND	Pot, Digital 100K, 256 Position*	SOT-23-8		322.00/250	
AD5160EVAL	AD5160EVAL-ND	Evaluation Board for AD5160 **NEW!**		58.50	—	—
AD5161BRM5	AD5161BRM5-ND	Pot, Digital 5K, 256 Position	10-MSOP	1.78	1.42	1.07
AD5161BRM25	AD5161BRM25-ND	Pot, Digital 5K, 256 Position*	10-MSOP	1.78	1.42	1.07
AD5161BRMZ10	AD5161BRMZ10-ND	Pot, Digital 10K, 256 Position*	10-MSOP	1.78	1.42	1.07
AD5161BRM50	AD5161BRM50-ND	Pot, Digital 50K, 256 Position	10-MSOP	1.78	1.42	1.07
AD5161BRM250	AD5161BRM250-ND	Pot, Digital 50K, 256 Position*	10-MSOP	1.78	1.42	1.07
AD5161BRM2100	AD5161BRM2100-ND	Pot, Digital 100K, 256 Position*	10-MSOP	1.78	1.42	1.07
AD5162BRMZ2.5	AD5162BRMZ2.5-ND	Pot, Digital 2.5K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5162BRMZ10	AD5162BRMZ10-ND	Pot, Dual 10K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5162BRM50	AD5162BRM50-ND	Pot, Dual 50K, 256 Position	10-MSOP	2.48	1.98	1.54
AD5162BRM2100	AD5162BRM2100-ND	Pot, Dual 100K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5162EVAL	AD5162EVAL-ND	Evaluation Board for AD5162 **NEW!**		49.00	—	—
AD5170BRM2.5	AD5170BRM2.5-ND	Pot, Digital 2.5K, 256 Position	10-MSOP	2.48	1.98	1.54
AD5170BRMZ2.5	AD5170BRMZ2.5-ND	Pot, Digital 2.5K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5170BRM10	AD5170BRM10-ND	Pot, Digital 10K, 256 Position	10-MSOP	2.48	1.98	1.54
AD5170BRMZ10	AD5170BRMZ10-ND	Pot, Digital 10K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5170BRM50	AD5170BRM50-ND	Pot, Digital 50K, 256 Position	10-MSOP	2.48	1.98	1.54
AD5170BRM250	AD5170BRM250-ND	Pot, Digital 50K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5170BRM2100	AD5170BRM2100-ND	Pot, Digital 100K, 256 Position*	10-MSOP	2.48	1.98	1.54
AD5171BRJZ5-R2	AD5171BRJZ5-R2CT-ND	Pot, Digital 5K, OTP*	SOT-23-8	2.43	1.95	1.52
AD5171BRJZ5-R2	AD5171BRJZ5-R2TR-ND	Pot, Digital 5K, OTP*	SOT-23-8		359.00/250	
AD5171BRJZ10-R2	AD5171BRJZ10-R2CT-ND	Pot, Digital 10K, OTP*	SOT-23-8	2.43	1.95	1.52
AD5171BRJZ10-R2	AD5171BRJZ10-R2TR-ND	Pot, Digital 10K, OTP*	SOT-23-8		359.00/250	
AD5171BRJZ50-R2	AD5171BRJZ50-R2CT-ND	Pot, Digital 50K, OTP*	SOT-23-8	2.43	1.95	1.52
AD5171BRJZ50-R2	AD5171BRJZ50-R2TR-ND	Pot, Digital 50K, OTP*	SOT-23-8		359.00/250	
AD5171BRJZ100-R2	AD5171BRJZ100R2CT-ND	Pot, Digital 100K, OTP*	SOT-23-8	2.43	1.95	1.52
AD5171BRJZ100-R2	AD5171BRJZ100R2TR-ND	Pot, Digital 100K, OTP*	SOT-23-8		359.00/250	
AD5171EVAL	AD5171EVAL-ND	Evaluation Board for AD5171		39.38	—	—
AD5172BRM2.5	AD5172BRM2.5-ND	Pot, Dual 2.5K, 256 Position	10-MSOP	3.24	2.60	2.02
AD5172BRMZ2.5	AD5172BRMZ2.5-ND	Pot, Dual 2.5K, 256 Position*	10-MSOP	3.24	2.60	2.02
AD5172BRM50	AD5172BRM50-ND	Pot, Dual 50K, 256 Position	10-MSOP	3.24	2.60	2.02
AD5172BRM250	AD5172BRM250-ND	Pot, Dual 50K, 256 Position*	10-MSOP	3.24	2.60	2.02
AD5172BRM100	AD5172BRM100-ND	Pot, Dual 100K, 256 Position	10-MSOP	3.24	2.60	2.02
AD5172BRM2100	AD5172BRM2100-ND	Pot, Dual 100K, 256 Position*	10-MSOP	3.24	2.60	2.02
AD5172BRM2100-RLCT	AD5172BRM2100RLCT-ND	Pot, Dual 100K, 256 Position*	10-MSOP	3.24	2.60	2.02
AD5172BRM2100-RL7	AD5172BRM2100RL7TR-ND	Pot, Dual 100K, 256 Position*	10-MSOP		1836.00/1,000	
AD5173BRM2.5	AD5173BRM2.5-ND	Pot, Digital Dual 2.5K OTP	10-MSOP	3.24	2.60	2.02
AD5173BRM10	AD5173BRM10-ND	Pot, Digital Dual 10K OTP	10-MSOP	3.24	2.60	2.02
AD5173BRM50	AD5173BRM50-ND	Pot, Digital Dual 50K OTP	10-MSOP	3.24	2.60	2.02
AD5173BRM100	AD5173BRM100-ND	Pot, Digital Dual 100K OTP	10-MSOP	3.24	2.60	2.02
AD5200BRM10	AD5200BRM10-ND	Pot, Digital 10K, 256 Position	10-SOIC	2.45	1.96	1.47
AD5204BRZ10	AD5204BRZ10-ND	Pot, Digital 10K, Quad 256 Pos.*	24-SOIC	5.02	4.02	3.13
AD5204BRUZ50	AD5204BRUZ50-ND	Pot, Digital 50K, Quad 256 Pos.*	24-TSSOP	5.02	4.02	3.13
AD5206BN10	AD5206BN10-ND	Pot, Digital 6-Channel 256 Position	24-Dip	5.98	4.79	4.04
AD5206BRU10	AD5206BRU10-ND	Pot, Digital 6-Channel 256 Position	24-TSSOP	5.80	4.64	3.92
AD5207BRU100-REEL7	AD5207BRU100RLCT-ND	Pot, Digital Dual 256 Position	14-TSSOP	2.61	2.09	1.63
AD5207BRU100-REEL7	AD5207BRU100RLTR-ND	Pot, Digital Dual 256 Position	14-TSSOP		1479.00/1,000	
AD5220BNZ10	AD5220BNZ10-ND	Pot, Digital 10K, 128 Position*	8-Dip	2.30	1.84	1.43
AD5220BR10	AD5220BR10-ND	Pot, Digital 10K, 128 Position*	8-SOIC	2.48	1.98	1.49
AD5220BRZ10	AD5220BRZ10-ND	Pot, Digital 10K, 128 Position*	8-SOIC	2.48	1.98	1.49
AD5222BR1M	AD5222BR1M-ND	Pot, Digital Dual 128 Position	14-SOIC	4.01	3.21	2.50
AD5227BUJ210-RL7	AD5227BUJ210RLCT-ND	Pot, Digital Up/Down 10K*	TSOT-23-8	1.35	1.13	.90
AD5227BUJ210-RL7	AD5227BUJ210RLTR-ND	Pot, Digital Up/Down 10K*	TSOT-23-8		1755.00/3,000	
AD5227BUJ210-RL7	AD5227BUJ210RLCT-ND	Pot, Digital Up/Down 10K*	TSOT-23-8	1.35	1.13	.90
AD5227BUJ210-RL7	AD5227BUJ210RLTR-ND	Pot, Digital Up/Down 10K*	TSOT-23-8		1755.00/3,000	
AD5228BUJ210-RL7	AD5228BUJ210RL7CT-ND	Pot, Digital Up/Down 10K*	TSOT-23-8	1.17	.98	.78
AD5228BUJ210-RL7	AD5228BUJ210RL7TR-ND	Pot, Digital Up/Down 10K*	TSOT-23-8		1521.00/3,000	
AD5228BUJ100-RL7	AD5228BUJ100RLCT-ND	Pot, Digital Up/Down 100K*	TSOT-23-8	1.17	.98	.78
AD5228BUJ100-RL7	AD5228BUJ100RLTR-ND	Pot, Digital Up/Down 100K*	TSOT-23-8		1521.00/3,000	
AD5231BUZ10	AD5231BUZ10-ND	Pot, Digital 10K, 1024 Position*	16-TSSOP	4.95	3.96	3.08
AD5231BUZ100	AD5231BUZ100-ND	Pot, Digital 100K, 1024 Position*	16-TSSOP	4.95	3.96	3.08
AD5232BRU10	AD5232BRU10-ND	Pot, Digital Dual 256 Position*	16-TSSOP	5.90	4.72	3.69
AD5232EVAL10	AD5232EVAL10-ND	Evaluation Board 10 for AD5232		67.50	—	—
AD5233BU10	AD5233BU10-ND	Pot, Quad 10K, 64 Position	24-TSSOP	5.48	4.39	3.70
AD5233BU50	AD5233BU50-ND	Pot, Quad 50K, 64 Position	24-TSSOP	5.48	4.39	3.70
AD5233BU100	AD5233BU100-ND	Pot, Quad 100K, 64 Position	24-TSSOP	5.48	4.39	3.70
AD5235BUZ25	AD5235BUZ25-ND	Pot, Dual 25K, 1024 Position*	16-TSSOP	9.38	8.45	7.49
AD5235BUZ250	AD5235BUZ250-ND	Pot, Dual 250K, 1024 Position*	16-TSSOP	9.38	8.45	7.49
AD5235EVAL	AD5235EVAL-ND	Evaluation Board for AD5235 **NEW!**		58.50	—	—
AD5241BR1M	AD5241BR1M-ND	Pot, Digital 256 Position	14-SOIC	2.77	1.62	1.42
AD5242-EVAL	AD5242-EVAL-ND	Evaluation Board for AD5242 **NEW!**		67.50	—	—
AD5242BR1M	AD5242BR1M-ND	Pot, Digital Dual 256 Position	16-SOIC	3.13	2.51	1.95
AD5242BRZ1M	AD5242BRZ1M-ND	Pot, Digital Dual 256 Position*	16-SOIC	3.13	2.51	1.95
AD5242BRU10	AD5242BRU10-ND	Pot, Digital Dual 10K, 256 Position*	16-TSSOP	3.13	2.51	1.95
AD5242BRU10	AD5242BRU10-ND	Pot, Digital Dual 10K, 256 Position* **NEW!**	16-TSSOP	3.13	2.51	1.95
AD5242BRU100-REEL7	AD5242BRU100RLTCT-ND	Pot, Digital Dual 100K, 256 Position	16-TSSOP	3.13	2.51	1.95
AD5242BRU100-REEL7	AD5242BRU100RLTTR-ND	Pot, Digital Dual 100K, 256 Position*	16-TSSOP		1772.00/1,000	
AD5242BRU100-RL7	AD5242BRU100-RLTCT-ND	Pot, Digital Dual 100K, 256 Position* **NEW!**	16-TSSOP	3.13	2.51	1.95
AD5242BRU100-RL7	AD5242BRU100-RLTTR-ND	Pot, Digital Dual 100K, 256 Position* **NEW!**	16-TSSOP		1772.00/1,000	
AD5242BRZ10	AD5242BRZ10-ND	Pot, Digital Dual 10K, 256 Position*	16-SOIC	3.13	2.51	1.95
AD5243BRMZ2.5	AD5243BRMZ2.5-ND	Pot, Digital Dual 2.5K I2C*	10-MSOP	2.48	1.98	1.54
AD5243BRM10	AD5243BRM10-ND	Pot, Digital Dual 10K I2C	10-MSOP	2.48	1.98	1.54
AD5243BRMZ10	AD5243BRMZ10-ND	Pot, Digital Dual 10K I2C*	10-MSOP	2.48	1.98	1.54
AD5243BRM50	AD5243BRM50-ND	Pot, Digital Dual 50K I2C	10-MSOP	2.48	1.98	1.54
AD5243BRM100	AD5243BRM100-ND	Pot, Digital Dual 100K I2C	10-MSOP	2.48	1.98	1.54
AD5243BRMZ100	AD5243BRMZ100-ND	Pot, Digital Dual 100K I2C*	10-MSOP	2.48	1.98	1.54
AD5245BRJZ5-R2	AD5245BRJZ5-R2CT-ND	Pot, Digital 5K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5245BRJZ5-R2	AD5245BRJZ5-R2TR-ND	Pot, Digital 5K, 256 Position*	SOT-23-8		322.00/250	
AD5245BRJ10-R2	AD5245BRJ10-R2CT-ND	Pot, Digital 10K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5245BRJ10-R2	AD5245BRJ10-R2TR-ND	Pot, Digital 10K, 256 Position*	SOT-23-8		322.00/250	
AD5245BRJZ10-R2	AD5245BRJZ10-R2CT-ND	Pot, Digital 10K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5245BRJZ10-R2	AD5245BRJZ10-R2TR-ND	Pot, Digital 10K, 256 Position*	SOT-23-8		322.00/250	
AD5245BRJ50-R2	AD5245BRJ50-R2CT-ND	Pot, Digital 50K, 256 Position	SOT-23-8	2.30	1.84	1.38
AD5245BRJ50-R2	AD5245BRJ50-R2TR-ND	Pot, Digital 50K, 256 Position	SOT-23-8		322.00/250	
AD5245BRJZ50-R2	AD5245BRJZ50-R2CT-ND	Pot, Digital 50K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5245BRJZ50-R2	AD5245BRJZ50-R2TR-ND	Pot, Digital 50K, 256 Position*	SOT-23-8		322.00/250	
AD5245BRJZ100-R2	AD5245BRJZ100-R2CT-ND	Pot, Digital 100K, 256 Position*	SOT-23-8	2.30	1.84	1.38
AD5245BRJZ100-R2	AD5245BRJZ100-R2TR-ND	Pot, Digital 100K, 256 Position*	SOT-23-8		322.00/250	
AD5246BKS5-R2	AD5246BKS5-R2TR-ND	Pot, Digital 5K, 128 Position	SC70-6	1.38	1.10	1.13

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5246BKS5-R2	AD5246BKS5-R2TR-ND	Pot, Digital 5K, 128 Position	SC70-6		262.50/250	
AD5246BKSZ5-RL7	AD5246BKSZ5-RL7CT-ND	Pot, Digital 5K, 128 Position*	SC70-6	1.45	1.16	.87
AD5246BKSZ5-RL7	AD5246BKSZ5-RL7TR-ND	Pot, Digital 5K, 128 Position*	SC70-6		2226.00/3,000	
AD5246BKS10-R2	AD5246BKS10-R2CT-ND	Pot, Digital 10K, 128 Position	SC70-6	1.88	1.50	1.13
AD5246BKS10-R2	AD5246BKS10-R2TR-ND	Pot, Digital 10K, 128 Position	SC70-6		262.50/250	
AD5246BKS50-R2	AD5246BKS50-R2CT-ND	Pot, Digital 50K, 128 Position	SC70-6	1.88	1.50	1.13
AD5246BKS50-R2	AD5246BKS50-R2TR-ND	Pot, Digital 50K, 128 Position	SC70-6		262.50/250	
AD5246BKS100-R2	AD5246BKS100-R2CT-ND	Pot, Digital 100K, 128 Position	SC70-6	1.88	1.50	1.13
AD5246BKS100-R2	AD5246BKS100-R2TR-ND	Pot, Digital 100K, 128 Position	SC70-6		262.50/250	
AD5246BKSZ100-R2	AD5246BKSZ100R2CT-ND	Pot, Digital 100K, 128 Position*	SC70-6	1.88	1.50	1.13
AD5246BKSZ100-R2	AD5246BKSZ100R2TR-ND	Pot, Digital 100K, 128 Position*	SC70-6		262.50/250	
AD5246BKSZ100-RL7	AD5246BKSZ100RLCT-ND	Pot, Digital 100K, 128 Position*	SC70-6	1.45	1.16	.87
AD5246BKSZ100-RL7	AD5246BKSZ100RLTR-ND	Pot, Digital 100K, 128 Position*	SC70-6		2226.00/3,000	
AD5247BKS5-R2	AD5247BKS5-R2CT-ND	Pot, Digital 5K, 128 Position	SC70-6	1.88	1.50	1.13
AD5247BKS5-R2	AD5247BKS5-R2TR-ND	Pot, Digital 5K, 128 Position	SC70-6		262.50/250	
AD5247BKS10-R2	AD5247BKS10-R2CT-ND	Pot, Digital 10K, 128 Position	SC70-6	1.88	1.50	1.13
AD5247BKS10-R2	AD5247BKS10-R2TR-ND	Pot, Digital 10K, 128 Position	SC70-6		262.50/250	
AD5247BKS50-R2	AD5247BKS50-R2CT-ND	Pot, Digital 50K, 128 Position	SC70-6	1.88	1.50	1.13
AD5247BKS50-R2	AD5247BKS50-R2TR-ND	Pot, Digital 50K, 128 Position	SC70-6		262.50/250	
AD5247BKS100-R2	AD5247BKS100-R2CT-ND	Pot, Digital 100K, 128 Position	SC70-6	1.88	1.50	1.13
AD5247BKS100-R2	AD5247BKS100-R2TR-ND	Pot, Digital 100K, 128 Position	SC70-6		262.50/250	
AD5247EVAL	AD5247EVAL-ND	Evaluation Board for AD5247 **NEW!**		49.00	—	—
AD5248BRM2.5	AD5248BRM2.5-ND	Pot, Digital Dual 2.5K I2C	10-MSOP	2.48	1.98	1.54
AD5248BRMZ2.5	AD5248BRMZ2.5-ND	Pot, Digital Dual 2.5K I2C*	10-MSOP	2.48	1.98	1.54
AD5248BRM10	AD5248BRM10-ND	Pot, Digital Dual 10K I2C	10-MSOP	2.48	1.98	1.54
AD5248BRM50	AD5248BRM50-ND	Pot, Digital Dual 50K I2C	10-MSOP	2.48	1.98	1.54
AD5248BRM100	AD5248BRM100-ND	Pot, Digital Dual 100K I2C	10-MSOP	2.48	1.98	1.54
AD5248EVAL	AD5248EVAL-ND	Evaluation Board for AD5248 **NEW!**		41.65	—	—
AD5252BRU1	AD5252BRU1-ND	Pot, Digital Dual 1K, 256 Position	14-TSSOP	5.26	4.21	3.56
AD5252BRUZ1	AD5252BRUZ1-ND	Pot, Digital Dual 1K, 256 Pos.*	14-TSSOP	5.26	4.21	3.56
AD5252BRUZ10	AD5252BRUZ10-ND	Pot, Digital Dual 10K, 256 Pos.*	14-TSSOP	5.26	4.21	3.56
AD5252BRUZ100	AD5252BRUZ100-ND	Pot, Digital Dual 100K, 256 Pos.*	14-TSSOP	5.26	4.21	3.56
AD5253BRU1	AD5253BRU1-ND	Pot, Digital Quad 1K, 64 Position	20-TSSOP	5.46	4.37	3.69
AD5253BRU10	AD5253BRU10-ND	Pot, Digital Quad 10K, 64 Position	20-TSSOP	5.46	4.37	3.69
AD5253BRU100	AD5253BRU100-ND	Pot, Digital Quad 100K, 64 Position	20-TSSOP	5.46	4.37	3.69
AD5254BRUZ1	AD5254BRUZ1-ND	Pot, Digital Quad 1K, 256 Pos.*	20-TSSOP	6.62	5.30	4.47
AD5254BRUZ10	AD5254BRUZ10-ND	Pot, Digital Quad 10K, 256 Pos.*	20-TSSOP	6.62	5.30	4.47
AD5254BRUZ100	AD5254BRUZ100-ND	Pot, Digital Quad 100K, 256 Pos.*	20-TSSOP	6.62	5.30	4.47
AD5255BU25	AD5255BU25-ND	Pot, Digital 25K, 3-Channel	24-TSSOP	9.38	8.45	7.49
AD5255BU250	AD5255BU250-ND	Pot, Digital 250K, 3-Channel	24-TSSOP	9.38	8.45	7.49
AD5259BRMZ10	AD5259BRMZ10-ND	Pot, Digital 10K, 256 Position*	10-MSOP	2.48	1.98	1.49
AD5259BRMZ100	AD5259BRMZ100-ND	Pot, Digital 100K, 256 Position*	10-MSOP	2.48	1.98	1.49
AD5259EVAL	AD5259EVAL-ND	Evaluation Board for AD5259 **NEW!**		41.65	—	—
AD5260BRUZ20	AD5260BRUZ20-ND	Pot, Digital 20K, 256 Position*	14-TSSOP	4.43	3.55	2.76
AD5260BRU50	AD5260BRU50-ND	Pot, Digital 50K, 256 Position	14-TSSOP	4.43	3.55	2.76
AD5260BRUZ50	AD5260BRUZ50-ND	Pot, Digital 50K, 256 Position*	14-TSSOP	4.43	3.55	2.76
AD5260BRU200	AD5260BRU200-ND	Pot, Digital 200K, 256 Position	14-TSSOP	4.43	3.55	2.76
AD5260BRUZ200	AD5260BRUZ200-ND	Pot, Digital 200K, 256 Position*	14-TSSOP	4.43	3.55	2.76
AD5262-EVAL	AD5262-EVAL-ND	Evaluation Board for AD5262 **NEW!**		67.50	—	—
AD5262BRU20	AD5262BRU20-ND	Pot, Dual 20K, 256 Position	16-TSSOP	4.86	3.89	3.03
AD5262BRUZ20	AD5262BRUZ20-ND	Pot, Dual 20K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5262BRU50	AD5262BRU50-ND	Pot, Dual 50K, 256 Position	16-TSSOP	4.86	3.89	3.03
AD5262BRUZ50	AD5262BRUZ50-ND	Pot, Dual 50K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5262BRU200	AD5262BRU200-ND	Pot, Dual 200K, 256 Position	16-TSSOP	4.86	3.89	3.03
AD5262BRUZ200	AD5262BRUZ200-ND	Pot, Dual 200K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5263BRU20	AD5263BRU20-ND	Pot, Quad 20K, 256 Position	24-TSSOP	7.00	5.60	4.73
AD5263BRUZ20	AD5263BRUZ20-ND	Pot, Quad 20K, 256 Position*	24-TSSOP	7.00	5.60	4.73
AD5263BRUZ50	AD5263BRUZ50-ND	Pot, Quad 50K, 256 Position*	24-TSSOP	7.00	5.60	4.73
AD5263BRU200	AD5263BRU200-ND	Pot, Quad 200K, 256 Position	24-TSSOP	7.00	5.60	4.73
AD5263BRUZ200	AD5263BRUZ200-ND	Pot, Quad 200K, 256 Position*	24-TSSOP	7.00	5.60	4.73
AD5263EVAL	AD5263EVAL-ND	Evaluation Board for AD5263		67.50	—	—
AD5273BRJ1-R2	AD5273BRJ1-R2CT-ND	Pot, Digital 1K, 64 Position	SOT-23-8	1.88	1.50	1.13
AD5273BRJ1-R2	AD5273BRJ1-R2TR-ND	Pot, Digital 1K, 64 Position	SOT-23-8		262.50/250	
AD5273BRJ10-R2	AD5273BRJ10-R2CT-ND	Pot, Digital 10K, 64 Position	SOT-23-8	1.88	1.50	1.13
AD5273BRJ10-R2	AD5273BRJ10-R2TR-ND	Pot, Digital 10K, 64 Position	SOT-23-8		262.50/250	
AD5273BRJ50-R2	AD5273BRJ50-R2CT-ND	Pot, Digital 50K, 64 Position	SOT-23-8	1.88	1.50	1.13
AD5273BRJ50-R2	AD5273BRJ50-R2TR-ND	Pot, Digital 50K, 64 Position	SOT-23-8		262.50/250	
AD5273BRJ100-R2	AD5273BRJ100-R2CT-ND	Pot, Digital 100K, 64 Position	SOT-23-8	1.88	1.50	1.13
AD5273BRJ100-R2	AD5273BRJ100-R2TR-ND	Pot, Digital 100K, 64 Position	SOT-23-8		262.50/250	
AD5273BRJZ10-R7	AD5273BRJZ10-R7CT-ND	Pot, Digital 10K, 64 Position*	SOT-23-8	1.88	1.50	1.13
AD5273BRJZ10-R7	AD5273BRJZ10-R7TR-ND	Pot, Digital 10K, 64 Position*	SOT-23-8		2880.00/3,000	
AD5280BRU20	AD5280BRU20-ND	Pot, Digital 20K, 256 Position	14-TSSOP	4.43	3.55	2.76
AD5280BRUZ20	AD5280BRUZ20-ND	Pot, Digital 20K, 256 Position*	14-TSSOP	4.43	3.55	2.76
AD5280BRU50	AD5280BRU50-ND	Pot, Digital 50K, 256 Position	14-TSSOP	4.43	3.55	2.76
AD5280BRUZ50	AD5280BRUZ50-ND	Pot, Digital 50K, 256 Position*	14-TSSOP	4.43	3.55	2.76
AD5280BRU200	AD5280BRU200-ND	Pot, Digital 200K, 256 Position	14-TSSOP	4.43	3.55	2.76
AD5282-EVAL	AD5282-EVAL-ND	Evaluation Board for AD5282 **NEW!**		67.50	—	—
AD5282BRU20	AD5282BRU20-ND	Pot, Dual 20K, 256 Position	16-TSSOP	4.86	3.89	3.03
AD5282BRUZ20	AD5282BRUZ20-ND	Dual Pot, 20K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5282BRU50	AD5282BRU50-ND	Dual Pot, 50K, 256 Position	16-TSSOP	4.86	3.89	3.03
AD5282BRUZ50	AD5282BRUZ50-ND	Dual Pot, 50K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5282BRUZ200	AD5282BRUZ200-ND	Dual Pot, 200K, 256 Position*	16-TSSOP	4.86	3.89	3.03
AD5290YRMZ10	AD5290YRMZ10-ND	Pot, Digital 10K, 256 Position*	10-MSOP	4.86	3.89	3.03
AD5290YRMZ50	AD5290YRMZ50-ND	Pot, Digital 50K, 256 Position*	10-MSOP	4.86	3.89	3.03
AD5290YRMZ100	AD5290YRMZ100-ND	Pot, Digital 100K, 256 Position*	10-MSOP	4.86	3.89	3.03
AD7376AR10	AD7376AR10-ND	Pot, Digital 10K, 128 Position	16-SOIC	5.08	4.07	3.43
AD7376AR1M	AD7376AR1M-ND	Pot, Digital 1M, 128 Position	16-SOIC	5.08	4.07	3.43
AD7376ARUZ10-R7	AD7376ARUZ10-R7CT-ND	Pot, Digital 10K, 128 Position*	14-TSSOP	5.08	4.07	3.43
AD7376ARUZ10-R7	AD7376ARUZ10-R7TR-ND	Pot, Digital 10K, 128 Position*	14-TSSOP		3175.00/1,000	
AD7376ARU50	AD7376ARU50-ND	Pot, Digital 10K, 128 Position	14-TSSOP	5.08	4.07	3.43
AD7376EVAL	AD7376EVAL-ND	Evaluation Board for AD7376* **NEW!**		51.47	—	—
AD8400AR1	AD8400AR1-ND	Pot, Digital 8-Bit, 1K, 1-Channel	8-SOIC	2.50	2.00	1.56
AD8400ARZ1	AD8400ARZ1-ND	Pot, Digital 8-Bit, 1K, 1-Channel*	8-SOIC	2.50	2.00	1.56
AD8400AR10	AD8400AR10-ND	Pot, Digital 8-Bit, 10K, 1-Channel	8-SOIC	2.50	2.00	1.56
AD8400ARZ10	AD8400ARZ10-ND	Pot, Digital 8-Bit, 10K, 1-Channel*	8-SOIC	2.50	2.00	1.56
AD8400AR50	AD8400AR50-ND	Pot, Digital 8-Bit, 50K, 1-Channel	8-SOIC	2.50	2.00	1.56
AD8400AR100	AD8400AR100-ND	Pot, Digital 8-Bit, 100K, 1-Channel	8-SOIC	2.50	2.00	1.56
AD8400ARZ100	AD8400ARZ100-ND	Pot, Digital 8-Bit, 100K, 1-Channel*	8-SOIC	2.50	2.00	1.56
AD8402AN10	AD8402AN10-ND	Pot, Digital 8-Bit, 10K, 2-Channel	14-Dip	3.89	3.12	2.43
AD8402AR1	AD8402AR1-ND	Pot, Digital 8-Bit, 1K, 2-Channel	14-SOIC	3.78	3.03	2.36

* RoHS Compliant

(Continued)

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ANALOG DEVICES — DIGITAL POTENTIOMETERS *(Continued)*

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD8402ARZ10	AD8402ARZ10-ND	Pot, Digital 8-Bit, 10K, 2-Channel*	14-SOIC	3.78	3.03	2.36
AD8402ARZ50	AD8402ARZ50-ND	Pot, Digital 8-Bit, 50K, 2-Channel*	14-SOIC	3.78	3.03	2.36
AD8402AR100	AD8402AR100-ND	Pot, Digital 8-Bit, 100K, 2-Channel	14-SOIC	3.78	3.03	2.36
AD8402ARU10	AD8402ARU10-ND	Pot, Digital 8-Bit, 1K, 2-Channel	14-TSSOP	3.78	3.03	2.36
AD8403ARUZ1	AD8403ARUZ1-ND	Pot, Digital 8-Bit, 1K, 4-Channel*	24-TSSOP	5.08	4.07	3.43
AD8403ARZ10	AD8403ARZ10-ND	Pot, Digital 8-Bit, 10K, 4-Channel*	24-SOIC	5.08	4.07	3.43
AD8403AR10-REEL	AD8403AR10-REELCT-ND	Pot, Digital 8-Bit, 10K, 4-Channel	24-SOIC	5.08	4.07	3.43
AD8403AR10-REEL	AD8403AR10-REELTR-ND	Pot, Digital 8-Bit, 10K, 4-Channel	24-SOIC		3175.00/1,000	
AD8403ARUZ10	AD8403ARUZ10-ND	Pot, Digital 8-Bit, 10K, 4-Channel*	24-TSSOP	5.08	4.07	3.43
AD8403ARU10-REEL	AD8403ARU10-RLCT-ND	Pot, Digital 8-Bit, 10K, 4-Channel	24-TSSOP	5.08	4.07	3.43
AD8403ARU10-REEL	AD8403ARU10-RLTR-ND	Pot, Digital 8-Bit, 10K, 4-Channel	24-TSSOP		7875.00/2,500	
AD8403AR50	AD8403AR50-ND	Pot, Digital 8-Bit, 50K, 4-Channel	24-SOIC	5.08	4.07	3.43
AD8403AR100	AD8403AR100-ND	Pot, Digital 8-Bit, 100K, 4-Channel	24-SOIC	5.08	4.07	3.43
AD8403ARU100	AD8403ARU100-ND	Pot, Digital 8-Bit, 100K, 4-Channel	24-TSSOP	5.14	4.12	3.47
AD8403ARUZ100	AD8403ARUZ100-ND	Pot, Digital 8-Bit, 100K, 4-Channel*	24-TSSOP	5.14	4.12	3.47
AD8403EVAL	AD8403EVAL-ND	Evaluation Board for AD8403 ***NEW!***	—	66.67	—	—

Rheostat

ADN2850BCP25	ADN2850BCP25-ND	Pot, Digital Dual 25K 10-Bit	16-LFCSP	10.83	9.75	8.65
ADN2850BCP225	ADN2850BCP225-ND	Pot, Digital Dual 25K 10-Bit*	16-LFCSP	10.83	9.75	8.65
ADN2850BCP250	ADN2850BCP250-ND	Dual 1024 Position Prog. Resistor	16-LFCSP	14.63	11.70	9.10
ADN2860ACP225-RL7	ADN2860ACP225RLCT-ND	Pot, Digital 25K, 3-Channel*	24-LFCSP	9.83	8.85	7.85
ADN2860ACP225-RL7	ADN2860ACP225RLTR-ND	Pot, Digital 25K, 3-Channel*	24-LFCSP		10930.50/1,500	
ADN2860ACP250RL7	ADN2860ACP250RCT-ND	Pot, Digital 250K, 3-Channel*	24-LFCSP	9.83	8.85	7.85
ADN2860ACP250-RL7	ADN2860ACP250RTR-ND	Pot, Digital 250K, 3-Channel*	24-LFCSP		10930.50/1,500	

ANALOG DEVICES — DISPLAY AND VIDEO CONVERTERS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD723ARU	AD723ARU-ND	RGB to NTSC/PAL Encoder	28-TSSOP	7.62	6.10	5.15
AD723ARUZ	AD723ARUZ-ND	RGB to NTSC/PAL Encoder*	28-TSSOP	7.62	6.10	5.15
AD725AR	AD725AR-ND	Encoder RGB to NTSC/PAL	16-SOIC	9.80	7.84	6.62
AD725ARZ	AD725ARZ-ND	Encoder RGB to NTSC/PAL*	16-SOIC	9.80	7.84	6.62
AD725-EB	AD725-EB-ND	Evaluation Board for AD725	—	394.50	—	—
ADV202BBC-115	ADV202BBC-115-ND	JPEG2000 Video Codec	121-BGA	52.77	49.26	45.74
ADV202BBC-150	ADV202BBC-150-ND	JPEG2000 Video Codec	144-CSBGA	70.59	65.89	61.18
ADV202BBCZ-150	ADV202BBCZ-150-ND	JPEG2000 Video Codec*	144-CSBGA	70.59	65.89	61.18
ADV601LCJSTZ	ADV601LCJSTZ-ND	Video Encoder/Decoder*	120-LQFP	51.54	48.11	44.67
ADV7181BBCPZ	ADV7181BBCPZ-ND	Multiformat SDTV Video Decoder* ***NEW!***	64-LFCSP	13.33	12.00	10.64
ADV7181BCP	ADV7181BCP-ND	Multiformat SDTV Video Decoder	64-LFCSP	13.33	12.00	10.64
ADV7181BST	ADV7181BST-ND	Multiformat SDTV Video Decoder	64-LQFP	13.33	12.00	10.64
ADV7183BBSTZ	ADV7183BBSTZ-ND	Multiformat SDTV Video Decoder* ***NEW!***	80-LQFP	15.93	14.34	12.72
ADV7183BKSTZ	ADV7183BKSTZ-ND	Multiformat SDTV Video Decoder* ***NEW!***	80-LQFP	15.01	13.52	11.99
ADV7183KST	ADV7183KST-ND	Multiformat SDTV Video Decoder	80-LQFP	16.61	15.50	14.40
EVAL-ADV7183BEBM	EVAL-ADV7183BEBM-ND	Evaluation Board for ADV7183 ***NEW!***	—	389.03	—	—
ADV7185KST	ADV7185KST-ND	Multiformat SDTV Video Decoder	80-LQFP	45.15	42.14	39.13
ADV7189KSTZ	ADV7189KSTZ-ND	Multiformat SDTV Video Decoder* ***NEW!***	80-LQFP	34.43	32.13	29.84
ADV7189KST	ADV7189KST-ND	Multiformat SDTV Video Decoder	80-LQFP	45.90	36.72	30.99
ADV7194KSTZ	ADV7194KSTZ-ND	Video Encoder SXT-10*	80-LQFP	44.93	41.93	38.94
EVAL-ADV7194EB	EVAL-ADV7194EB-ND	Evaluation Board for ADV7194 ***NEW!***	—	292.50	—	—
ADVFC32BH	ADVFC32BH-ND	Voltage/Freq. and Freq./Voltage Converter -25-85°C	TO-100	12.06	10.86	9.63
ADVFC32KNZ	ADVFC32KNZ-ND	Voltage/Freq. and Freq./Voltage Converter 0-70°C*	14-Dip	9.28	8.36	7.41
ADVFC32SH	ADVFC32SH-ND	Voltage/Freq. and Freq./Voltage Converter -55-125°C	TO-100	16.23	15.15	14.07

Analog

AD9882KST-100	AD9882KST-100-ND	Analog Interface Dual	100-LQFP	11.18	10.07	8.93
AD9882KSTZ-100	AD9882KSTZ-100-ND	Analog Interface Dual*	100-LQFP	11.18	10.07	8.93
AD9882KSTZ-140	AD9882KSTZ-140-ND	Analog Interface Dual*	100-LQFP	12.89	11.61	10.30
AD9883ABSTZ-110	AD9883ABSTZ-110-ND	Flat Panel Interface*	80-LQFP	12.03	10.83	9.61
AD9883AKSTZ-110	AD9883AKSTZ-110-ND	Flat Panel Interface*	80-LQFP	7.22	5.78	4.88
AD9883AKST-140	AD9883AKST-140-ND	Flat Panel Interface	80-LQFP	9.28	7.43	6.27
AD9884AKS-100	AD9884AKS-100-ND	Analog Interface, 100MSPS	128-MQFP	12.46	11.22	9.95
AD9884AKS-140	AD9884AKS-140-ND	Analog Interface, 140MSPS	128-MQFP	17.03	15.89	15.10
AD9884AKSZ-140	AD9884AKSZ-140-ND	Analog Interface, 140MSPS*	128-MQFP	14.19	13.25	12.30
AD9887AKS-100	AD9887AKS-100-ND	Analog Interface Dual	160-MQFP	17.37	16.22	15.06
AD9887AKS-140	AD9887AKS-140-ND	Analog Interface Dual	160-MQFP	19.85	18.53	17.20
AD9887AKSZ-170	AD9887AKSZ-170-ND	Analog Interface Dual*	160-MQFP	26.31	24.56	22.81
AD9887KS-140	AD9887KS-140-ND	Analog Interface Dual	160-MQFP	19.85	18.53	17.20
AD9888KS-140	AD9888KS-140-ND	Analog Interface, 140MSPS	128-MQFP	15.48	13.01	12.36
AD9888KSZ-140	AD9888KSZ-140-ND	Analog Interface, 140MSPS*	128-MQFP	15.48	13.94	12.36
AD9888KSZ-170	AD9888KSZ-170-ND	Analog Interface, 170MSPS*	128-MQFP	18.57	17.34	16.10
AD9888KSZ-205	AD9888KSZ-205-ND	Analog Interface, 205MSPS*	128-MQFP	26.31	24.56	22.81

ANALOG DEVICES — EVALUATION BOARDS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD5258EVAL	AD5258EVAL-ND	Evaluation Board for AD5258 ***NEW!***	—	47.25	—	—
AD6624S/PCB	AD6624S-PCB-ND	Evaluation Board Signal Processor AD6624	—	562.50	—	—
AD8074-EVAL	AD8074-EVAL-ND	Evaluation Board for AD8074 ***NEW!***	—	78.00	—	—
AD8311-EVAL	AD8311-EVAL-ND	Evaluation Board for AD8311 ***NEW!***	—	128.70	—	—
AD8317-EVALZ	AD8317-EVALZ-ND	Evaluation Board for AD8317 ***NEW!***	—	132.36	—	—
AD8334-EVAL	AD8334-EVAL-ND	Evaluation Board for AD8334* ***NEW!***	—	186.13	—	—
AD8340-EVAL	AD8340-EVAL-ND	Evaluation Board for AD8340 ***NEW!***	—	128.70	—	—
AD8341-EVAL	AD8341-EVAL-ND	Evaluation Board for AD8341 ***NEW!***	—	99.00	—	—
AD8364-EVAL-500	AD8364-EVAL-500-ND	Evaluation Board for AD8364 ***NEW!***	—	128.70	—	—
AD8364-EVAL-2140	AD8364-EVAL-2140-ND	Evaluation Board for AD8364 ***NEW!***	—	128.70	—	—
AD9460-105LVDS/PCB	AD9460-105LVDS/PCB-ND	Evaluation Board for AD9460-105* ***NEW!***	—	228.76	—	—
AD9460-80LVDS/PCB	AD9460-80LVDS/PCB-ND	Evaluation Board for AD9460-80* ***NEW!***	—	228.76	—	—
AD9461-LVDS/PCB	AD9461-LVDS/PCB-ND	Evaluation Board for AD9461* ***NEW!***	—	228.76	—	—
AD9985A/PCB	AD9985A/PCB-ND	Evaluation Board for AD9985A* ***NEW!***	—	451.50	—	—
ADL5317-EVAL	ADL5317-EVAL-ND	Evaluation Board for ADL5317 ***NEW!***	—	128.70	—	—
ADL5390-EVAL	ADL5390-EVAL-ND	Evaluation Board for ADL5390 ***NEW!***	—	128.70	—	—
ADP2291-EVAL	ADP2291-EVAL-ND	Evaluation Board for ADP2291LI* ***NEW!***	—	66.50	—	—
ADP3050-EVAL	ADP3050-EVAL-ND	Evaluation Board for ADP3050 ***NEW!***	—	37.50	—	—
EVAL-110VAC-US	EVAL-110VAC-US-ND	Evaluation Board for 110VAC ***NEW!***	—	22.50	—	—
EVAL-AD7266CB	EVAL-AD7266CB-ND	Evaluation Board for AD7266 ***NEW!***	—	146.25	—	—
EVAL-AD7472CB	EVAL-AD7472CB-ND	Evaluation Board for AD7472 ***NEW!***	—	146.25	—	—
EVAL-AD7622CB	EVAL-AD7622CB-ND	Evaluation Board for AD7622 ***NEW!***	—	168.75	—	—
EVAL-AD7687CB	EVAL-AD7687CB-ND	Evaluation Board for AD7687 ***NEW!***	—	146.25	—	—
EVAL-AD7722CB	EVAL-AD7722CB-ND	Evaluation Board for AD7722 ***NEW!***	—	146.25	—	—
EVAL-AD7746EB	EVAL-AD7746EB-ND	Evaluation Board for AD7746 ***NEW!***	—	146.25	—	—
EVAL-AD7938-6CB	EVAL-AD7938-6CB-ND	Evaluation Board for AD7938 ***NEW!***	—	146.25	—	—
EVAL-ADCMP552BRQ	EVAL-ADCMP552BRQ-ND	Evaluation Board for ADCMP552 ***NEW!***	—	297.50	—	—
EVAL-ADCMP567BCP	EVAL-ADCMP567BCP-ND	Evaluation Board for ADCMP567 ***NEW!***	—	297.50	—	—
EVAL-ADCMP572BCP	EVAL-ADCMP572BCP-ND	Evaluation Board for ADCMP572 ***NEW!***	—	297.50	—	—
EVAL-ADCMP573BCP	EVAL-ADCMP573BCP-ND	Evaluation Board for ADCMP573 ***NEW!***	—	297.50	—	—
EVAL-ADCMP581BCP	EVAL-ADCMP581BCP-ND	Evaluation Board for ADCMP581 ***NEW!***	—	348.00	—	—
EVAL-ADE7755EB	EVAL-ADE7755EB-ND	Evaluation Board for ADE7755 ***NEW!***	—	187.50	—	—
EVAL-ADG884EB	EVAL-ADG884EB-ND	Evaluation Board for ADG884 ***NEW!***	—	180.00	—	—
EVAL-ADG888EB	EVAL-ADG888EB-ND	Evaluation Board for ADG888	—	180.00	—	—
EVAL-ADG2128EB	EVAL-ADG2128EB-ND	Evaluation Board for ADG2128	—	168.75	—	—
EVAL-ADM1023EB	EVAL-ADM1023EB-ND	Evaluation Board for ADM1023 ***NEW!***	—	146.25	—	—
EVAL-ADT7462EB	EVAL-ADT7462EB-ND	Evaluation Board for ADT7462 ***NEW!***	—	196.50	—	—
EVAL-ADUSB1	EVAL-ADUSB1-ND	Evaluation Board for ADUSB1	—	118.80	—	—
EVAL-ADV7195EB	EVAL-ADV7195EB-ND	Evaluation Board for ADV7195 ***NEW!***	—	195.00	—	—
EVAL-CONTROL BRD3	EVAL-CONTROL BRD3-ND	Evaluation Board Control	—	281.25	—	—
SSM2167-EVAL	SSM2167-EVAL-ND	Evaluation Board for SSM2167	—	56.25	—	—

ANALOG DEVICES — FIBER OPTICS AND NETWORKS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADN8098R	ADN8098R-ND	Synth. Frequency 155.52MHz	16-SOIC	8.26	6.61	5.58
ADN2807ACP	ADN2807ACP-ND	Clock/Data Recovery with Amp	48-LFCSP	16.29	15.21	14.12
ADN2811ACP-CML	ADN2811ACP-CML-ND	Recover Clock/Data	48-LFCSP	55.47	51.78	48.08
ADN2812ACPZ	ADN2812ACPZ-ND	Clock/Data Recovery with Amp*	32-LFCSP	92.84	86.65	80.46
ADN2819ACP-CML	ADN2819ACP-CML-ND	Recover Clock/Data	48-LFCSP	71.79	67.01	62.22
ADN2830ACP32	ADN2830ACP32-ND	Controller Power Wave Laser	32-LFCSP	15.99	14.93	13.86
ADN2841ACP-32	ADN2841ACP-32-ND	Driver Laser Diode 5V	32-LFCSP	24.06	22.46	20.86
ADN2841ACPZ-32	ADN2841ACPZ-32-ND	Driver Laser Diode 5V*	32-LFCSP	24.06	22.46	20.86
ADN2847ACP-32	ADN2847ACP-32-ND	Driver Laser Diode 3.3V	32-LFCSP	15.98	14.39	12.76
ADN2847ACP-48	ADN2847ACP-48-ND	Driver Laser Diode 3.3V	48-LFCSP	15.98	14.39	12.76
EVAL-ADN2847-32-OP	EVAL-ADN284732-OP-ND	Evaluation Board for ADN2847 ***NEW!***	—	146.25	—	—
ADN2848ACP-32	ADN2848ACP-32-ND	Driver Laser Diode 3.3V	32-LFCSP	9.13	8.22	7.29
ADN2848ACPZ-32	ADN2848ACPZ-32-ND	Driver Laser Diode 3.3V*	32-LFCSP	9.13	8.22	7.29
ADN2870ACPZ	ADN2870ACPZ-ND	Driver Laser Diode 3.3V*	24-LFCSP	9.46	7.57	6.39
ADN2890ACP-RL7	ADN2890ACP-RL7CT-ND	3.3V, 2.7Gb/s Limiting Amp	16-LFCSP	8.00	6.40	5.40
ADN2890ACP-RL7	ADN2890ACP-RL7TR-ND	3.3V, 2.7Gb/s Limiting Amp	16-LFCSP		7500.00/1,500	
ADN2890ACPZ-RL7	ADN2890ACPZ-RL7CT-ND	3.3V, 2.7Gb/s Limiting Amp*	16-LFCSP	8.00	6.40	5.40
ADN2890ACPZ-RL7	ADN2890ACPZ-RL7TR-ND	3.3V, 2.7Gb/s Limiting Amp*	16-LFCSP		7500.00/1,500	

ANALOG DEVICES — HARDWARE MONITORS AND THERMAL MANAGEMENT

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADM1027ARQ	ADM1027ARQ-ND	Thermal Controller Volt./Monitor	24-QSOP	9.00	7.20	6.08
ADM1027ARQZ	ADM1027ARQZ-ND	Thermal Controller Volt./Monitor*	24-QSOP	9.00	7.20	6.08
ADM1031ARQZ	ADM1031ARQZ-ND	Sensor 2-Temp/Fan Control*	16-QSOP	8.80	7.04	5.94
EVAL-ADM1031EB	EVAL-ADM1031EB-ND	Evaluation Board for ADM1031 ***NEW!***	—	99.00	—	—
ADM1032ARZ	ADM1032ARZ-ND	Temp. Monitor Default Set at 85°C*	8-SOIC	5.90	4.72	3.99
ADM1032AR-1	ADM1032AR-1-ND	Temp. Monitor Default Set at 108°C	8-SOIC	5.90	4.72	3.99
ADM1032ARM	ADM1032ARM-ND	Temp. Monitor Default Set at 85°C	8-MSOP	5.90	4.72	3.99
ADM1032ARMZ	ADM1032ARMZ-ND	Temp. Monitor Default Set at 85°C*	8-MSOP	5.90	4.72	3.99
ADM1032ARM-1	ADM1032ARM-1-ND	Temp. Monitor Default Set at 108°C	8-MSOP	5.90	4.72	3.99
ADM1033ARQ	ADM1033ARQ-ND	Thermal Monitor/Fan Speed Controller	16-QSOP	7.64	6.12	5.16
ADM1033ARQZ	ADM1033ARQZ-ND	Thermal Monitor/Fan Speed Controller*	16-QSOP	7.64	6.12	5.16
ADM1034ARQ	ADM1034ARQ-ND	Thermal Monitor/Fan Speed Controller	16-QSOP	7.94	6.36	5.36
ADM1034ARQZ	ADM1034ARQZ-ND	Thermal Monitor/Fan Speed Controller*	16-QSOP	7.94	6.36	5.36
ADM1060ARUZ	ADM1060ARUZ-ND	Supervisor/Sequencer 7-Channel*	28-TSSOP	9.58	8.63	7.65
ADM1062ACPZ	ADM1062ACPZ-ND	Super Sequencer™ with Margining Control and Temp. Monitoring* ***NEW!***	40-LFCSP	16.33	14.70	13.04
ADM1062ASUZ	ADM1062ASUZ-ND	Super Sequencer™ with Margining Control and Temp. Monitoring*	48-TQFP	16.33	14.70	13.04
EVAL-ADM1062LFEB	EVAL-ADM1062LFEB-ND	Evaluation Board for ADM1062LF ***NEW!***	—	292.50	—	—
ADM1063ASUZ	ADM1063ASUZ-ND	Multisupply Supervisor/Sequencer with ADC and Temp. Monitoring*	48-TQFP	14.98	13.50	11.97
EVAL-ADM1063TQEB	EVAL-ADM1063TQEB-ND	Evaluation Board for ADM1063 ***NEW!***	—	292.50	—	—
ADM1064ASU	ADM1064ASU-ND	Super Sequencer™ with Voltage Readback ADC	48-TQFP	14.33	12.90	11.44
EVAL-ADM1064TQEB	EVAL-ADM1064TQEB-ND	Evaluation Board for ADM1064 ***NEW!***	—	292.50	—	—
ADM1066ASUZ	ADM1066ASUZ-ND	Super Sequencer™ with Margining Control and Auxiliary ADC Input*	48-TQFP	15.49	13.95	12.37
EVAL-ADM1066LFEB	EVAL-ADM1066LFEB-ND	Evaluation Board for ADM1066 ***NEW!***	—	292.50	—	—
ADM1067ASU	ADM1067ASU-ND	Super Sequencer™ with Open-Loop Margining DACs	48-TQFP	12.16	10.95	9.71
ADM1068ASTZ	ADM1068ASTZ-ND	Super Sequencer™ and Monitor*	32-LQFP	8.60	6.88	5.81
ADM1069ASTZ	ADM1069ASTZ-ND	Super Sequencer™ with Margining Control*	32-LQFP	9.30	7.44	6.28
ADM1085AKS-REEL7	ADM1085AKSREEL7CT-ND	Simple Sequencer™	SC70-6	1.02	.85	.68
ADM1085AKSZ-REEL7	ADM1085AKSZ-REEL7CT-ND	Simple Sequencer™ *	SC70-6	1.02	.85	.68
ADM1085AKSZ-REEL7	ADM1085AKSZ-REEL7TR-ND	Simple Sequencer™ *	SC70-6		1326.00/3,000	
ADM1086AKS-REEL7	ADM1086AKSREEL7CT-ND	Simple Sequencer™	SC70-6	1.02	.85	.68
ADM1086AKS-REEL7	ADM1086AKSREEL7TR-ND	Simple Sequencer™	SC70-6		1326.00/3,000	
ADM1087AKS-REEL7	ADM1087AKSREEL7CT-ND	Simple Sequencer™	SC70-6	1.02	.85	.68
ADM1087AKS-REEL7	ADM1087AKSREEL7TR-ND	Simple Sequencer™	SC70-6		1326.00/3,000	

* *RoHS Compliant*

(Continued)

★ ***CALL FOR LOWER PRICING ON LARGER QUANTITIES!*** ★

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
EVAL-ADM1087EB	EVAL-ADM1087EB-ND	Evaluation Board for ADM1087* **NEW!**	—	149.63	—	—
ADM1088AKS-REEL7	ADM1088AKSREL7CT-ND	Simple Sequencer™	SC70-6	1.02	.85	.68
ADM1088AKS-REEL7	ADM1088AKSREL7TR-ND	Simple Sequencer™	SC70-6	1326.00/3,000		
ADN8831ACPZ-REEL7	ADN8831ACPZ-REEL7CT-ND	Thermoelectric Cooler Controller*	32-LFCSP	11.66	10.50	9.31
ADN8831ACPZ-REEL7	ADN8831ACPZ-REEL7TR-ND	Thermoelectric Cooler Controller*	32-LFCSP	12967.50/1,500		
ADT70GR	ADT70GR-ND	PRTD Conditioning Circuit/Temp. Controller	20-SOIC	8.18	6.55	5.53
ADT7316ARQ	ADT7316ARQ-ND	Digital Temp. Sensor Quad DAC	16-QSOP	11.15	10.04	8.90
ADT7317ARQ	ADT7317ARQ-ND	Digital Temp. Sensor Quad DAC	16-QSOP	7.26	5.81	4.91
ADT7318ARQ	ADT7318ARQ-ND	Digital Temp. Sensor Quad DAC	16-QSOP	5.20	4.16	3.24
ADT7411ARQZ-ND	ADT7411ARQZ-ND	Digital Temp. Sensor 8-Ch. ADC*	16-QSOP	5.15	4.13	3.21
ADT7460ARQ	ADT7460ARQ-ND	Remote Thermal/Fan Controller	16-QSOP	5.90	4.72	3.99
ADT7460ARQZ	ADT7460ARQZ-ND	Remote Thermal/Fan Controller*	16-QSOP	5.90	4.72	3.99
ADT7461AR	ADT7461AR-ND	Temperature Monitor +/-1C Dual	8-SOIC	5.00	4.00	3.38
ADT7461ARZ	ADT7461ARZ-ND	Temperature Monitor +/-1C Dual*	8-SOIC	5.00	4.00	3.38
ADT7461ARMZ	ADT7461ARMZ-ND	Temperature Monitor +/-1C Dual*	8-MSOP	5.00	4.00	3.38
EVAL-ADT7461EB	EVAL-ADT7461EB-ND	Evaluation Board for ADT7461 **NEW!**	—	97.50	—	—
ADT7463ARQ	ADT7463ARQ-ND	Remote Thermal Controller	24-QSOP	7.00	5.60	4.73
EVAL-ADT7463EB	EVAL-ADT7463EB-ND	Evaluation Board for ADT7463 **NEW!**	—	195.00	—	—
ADT7467ARQZ	ADT7467ARQZ-ND	dBCool™ Remote Thermal Monitor and Fan Controller*	16-QSOP	5.90	4.72	3.99
EVAL-ADT7467EB	EVAL-ADT7467EB-ND	Evaluation Board for ADT7467 **NEW!**	—	146.25	—	—
ADT7468ARQZ	ADT7468ARQZ-ND	dBCool™ Remote Thermal Controller and Voltage Monitor* **NEW!**	24-QSOP	7.00	5.60	4.73
EVAL-ADT7468EB	EVAL-ADT7468EB-ND	Evaluation Board for ADT7468 **NEW!**	—	262.50	—	—
ADT7476AARQZ	ADT7476AARQZ-ND	dBCool™ Remote Thermal Controller and Voltage Monitor*	24-QSOP	5.00	4.00	3.38
ADT7516ARQZ	ADT7516ARQZ-ND	Temperature Sensor Quad DAC*	16-QSOP	13.34	12.02	10.66
ADT7517ARQ	ADT7517ARQ-ND	Temperature Sensor Quad DAC	16-QSOP	8.36	7.53	6.68
ADT7518ARQ	ADT7518ARQ-ND	Temperature Sensor Quad DAC	16-QSOP	7.38	5.91	4.99

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Analog						
MAT01AH	MAT01AH-ND	TX Matched Mono Dual	TO-78	13.36	12.03	10.67
MAT01GH	MAT01GH-ND	TX Matched Mono Dual	TO-78	9.76	7.81	6.59
MAT02EH	MAT02EH-ND	TX Matched Mono Dual Low Noise	TO-78	15.03	14.03	13.03
MAT02FH	MAT02FH-ND	TX Matched Mono Dual Low Noise	TO-78	8.60	7.74	6.87
MAT04PZ	MAT04PZ-ND	TX Matched Quad	14-DIP	6.76	5.43	4.58
MAT04FSZ	MAT04FSZ-ND	TX Matched Mono Quad*	14-SOIC	6.78	5.43	4.58
Audio/Video						
PKD01EPZ	PKD01EPZ-ND	Mono Peak Detector Reset/Hold*	14-Dip	12.96	11.67	10.35
PKD01EY	PKD01EY-ND	Mono Peak Detector Reset/Hold	14-CDip	16.21	14.60	12.95
PKD01FPZ	PKD01FPZ-ND	Mono Peak Detector Reset/Hold*	14-Dip	10.80	9.72	8.62
Digital Isolators						
AD260BND-1	AD260BND-1-ND	Logic Isolator 3.5kV, 1:4 In/Out	22-Dip	73.61	68.70	63.80
AD260BND-2	AD260BND-2-ND	Logic Isolator 3.5kV, 2:3 In/Out	22-Dip	73.61	68.70	63.80
Multiplexer						
7705201EX	7705201EX-ND	Mux Analog 8-Channel	16-CDip	16.33	14.70	13.04
ADT501JN	ADT501JN-ND	Mux Analog 8-Channel	16-Dip	10.35	9.32	8.26
ADT501KN	ADT501KN-ND	Mux Analog 8-Channel	16-Dip	10.85	9.77	8.66
ADT502JN	ADT502JN-ND	Mux Analog Dual 4-Channel	16-Dip	10.35	9.32	8.26
ADT503JN	ADT503JN-ND	Mux Analog 8-Channel	16-Dip	10.35	9.32	8.26
ADT503JNZ	ADT503JNZ-ND	Mux Analog 8-Channel*	16-Dip	10.35	9.32	8.26
ADT503KN	ADT503KN-ND	Mux Analog 8-Channel	16-Dip	10.85	9.77	8.66
ADT503KNZ	ADT503KNZ-ND	Mux Analog 8-Channel*	16-Dip	10.85	9.77	8.66
ADT506JN	ADT506JN-ND	Mux Analog 16-Channel	28-Dip	17.13	15.99	14.85
ADT506KN	ADT506KN-ND	Mux Analog 16-Channel	28-Dip	17.88	16.69	15.50
ADT506KNZ	ADT506KNZ-ND	Mux Analog 16-Channel*	28-Dip	17.88	16.69	15.50
AD8170AR	AD8170AR-ND	Mux with Amp Buffered	8-SOIC	5.00	4.00	3.11
AD8174AN	AD8174AN-ND	Mux with Amp Buffered	14-Dip	6.86	5.49	4.64
AD8174ARZ	AD8174ARZ-ND	Mux with Amp Buffered*	14-SOIC	6.86	5.49	4.64
AD8180ARZ	AD8180ARZ-ND	Mux Switching 2:1*	8-SOIC	4.30	3.44	2.68
AD8182AR	AD8182AR-ND	Mux Switching Dual 2:1	14-SOIC	5.44	4.36	3.68
AD8182ARZ	AD8182ARZ-ND	Mux Switching Dual 2:1*	14-SOIC	5.44	4.36	3.68
AD8183ARU	AD8183ARU-ND	Mux Switching Triple	24-TSSOP	6.32	5.06	4.27
AD8184AR-REEL7	AD8184AR-REEL7CT-ND	Video Mux 4:1, 700MHz	14-SOIC	5.02	4.02	3.13
AD8184AR-REEL7	AD8184AR-REEL7TR-ND	Video Mux 4:1, 700MHz	14-SOIC	2843.00/1,000		
AD8184ARZ	AD8184ARZ-ND	Video Mux 4:1, 700MHz*	14-SOIC	5.02	4.02	3.13
AD8185ARU	AD8185ARU-ND	Triple Switching Mux	24-TSSOP	6.32	5.06	4.27
AD8185ARUZ	AD8185ARUZ-ND	Triple Switching Mux*	24-TSSOP	6.32	5.06	4.27
AD8186ARU	AD8186ARU-ND	Triple Mux 2:1, 480MHz	24-TSSOP	6.10	4.88	4.12
AD8186ARUZ	AD8186ARUZ-ND	Triple Mux 2:1, 480MHz*	24-TSSOP	6.10	4.88	4.12
AD8187ARU	AD8187ARU-ND	Triple Mux 2:1, 480MHz	24-TSSOP	8.10	4.88	4.12
ADG406BNZ	ADG406BNZ-ND	Mux 16-Channel High Perf.*	28-Dip	8.68	7.82	6.93
ADG406BPZ	ADG406BPZ-ND	Mux 16-Channel High Perf.*	28-PLCC	9.00	8.10	7.19
ADG406BP-REEL	ADG406BP-REELCT-ND	Mux 16-Channel High Perf.	28-PLCC	9.00	8.10	7.19
ADG406BP-REEL	ADG406BP-REELTR-ND	Mux 16-Channel High Perf.	28-PLCC	5062.50/750		
ADG407BN	ADG407BN-ND	Mux Analog 8-Channel High Perf.	28-Dip	9.35	8.42	7.47
ADG407BNZ	ADG407BNZ-ND	Mux Analog 8-Ch. High Perf. * **NEW!**	28-Dip	9.35	8.42	7.47
ADG407BPZ	ADG407BPZ-ND	Mux Analog 8-Channel High Perf.*	28-PLCC	9.68	8.72	7.73
ADG408BNZ	ADG408BNZ-ND	Mux Analog 8-Channel High Perf.*	16-Dip	5.42	4.34	3.38
ADG408BRZ	ADG408BRZ-ND	Mux Analog 8-Channel High Perf.*	16-SOIC	5.27	4.22	3.28
ADG408BRUZ	ADG408BRUZ-ND	Mux Analog 8-Channel High Perf.*	16-TSSOP	5.27	4.22	3.28
ADG409BNZ	ADG409BNZ-ND	Mux Dual 4-Channel High Perf.*	16-Dip	5.42	4.34	3.38
ADG409BRZ	ADG409BRZ-ND	Mux Dual 4-Channel High Perf.*	16-SOIC	5.27	4.22	3.28
ADG426BRSZ	ADG426BRSZ-ND	Mux Analog 16-Channel High Perf.*	28-SSOP	10.51	9.47	8.40
ADG428BP	ADG428BP-ND	Mux Analog 8-Ch. Latch High Perf.	20-PLCC	6.62	5.30	4.47
ADG438BN	ADG438BN-ND	Mux Analog 4-Channel High Perf.	16-Dip	8.82	7.06	5.96
ADG438BRZ	ADG438BRZ-ND	Mux Analog 4-Channel High Perf.*	16-SOIC	8.56	6.85	5.78
ADG439BRZ	ADG439BRZ-ND	Mux Analog 4-Channel High Perf.*	16-SOIC	8.56	6.85	5.78
ADG467BRZ	ADG467BRZ-ND	Channel Protector Octal*	18-SOIC	5.33	4.27	3.32
ADG467BRSZ	ADG467BRSZ-ND	Channel Protector Octal*	20-SSOP	5.33	4.27	3.32
ADG506AKNZ	ADG506AKNZ-ND	Mux Analog Single 16-Channel*	28-Dip	9.38	8.45	7.49
ADG506AKPZ	ADG506AKPZ-ND	Mux Analog Single 16-Channel*	28-PLCC	10.55	9.50	8.42
ADG506AKRZ	ADG506AKRZ-ND	Mux Analog Single 16-Channel*	28-SOIC	9.11	8.21	7.28
ADG507AKNZ	ADG507AKNZ-ND	Mux Analog Dual 8-Channel*	28-Dip	9.36	8.43	7.48
ADG507AKPZ	ADG507AKPZ-ND	Mux Analog Dual 8-Channel*	28-PLCC	10.55	9.50	8.42

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADG507AKRZ	ADG507AKRZ-ND	Mux Analog Dual 8-Channel*	28-SOIC	9.11	8.21	7.28
ADG507ATQ	ADG507ATQ-ND	Mux Analog Dual 8-Channel	28-CDip	22.95	21.42	19.89
ADG508AKNZ	ADG508AKNZ-ND	Mux Analog Single 8-Channel*	16-Dip	5.26	4.21	3.56
ADG508AKP	ADG508AKP-ND	Mux Analog Single 8-Channel	20-PLCC	5.54	4.44	3.74
ADG508AKR	ADG508AKR-ND	Mux Analog Single 8-Channel	16-SOIC	5.10	4.08	3.45
ADG508AKR-REEL7	ADG508AKR-REEL7CT-ND	Mux Analog Single 8-Channel	16-SOIC	5.10	4.08	3.45
ADG508AKR-REEL7	ADG508AKR-REEL7TR-ND	Mux Analog Single 8-Channel	16-SOIC	3168.00/1,000		
ADG508AKRZ	ADG508AKRZ-ND	Mux Analog Single 8-Channel*	16-SOIC	5.10	4.08	3.45
ADG508ATQ	ADG508ATQ-ND	Mux Analog Single 8-Channel	16-CDip	12.08	10.88	9.65
ADG508FBN	ADG508FBN-ND	Mux Single 8-Ch. Fault-Protected	16-Dip	6.82	5.46	4.61
ADG508FBRNZ	ADG508FBRNZ-ND	Mux Single 8-Ch. Fault-Protected*	16-SOIC	6.82	5.46	4.61
ADG509AKNZ	ADG509AKNZ-ND	Mux Analog Dual 4-Channel*	16-Dip	5.00	4.00	3.11
ADG509AKP	ADG509AKP-ND	Mux Analog Dual 4-Channel	20-PLCC	5.27	4.22	3.28
ADG509AKR	ADG509AKR-ND	Mux Analog Dual 4-Channel	16-SOIC	4.86	3.89	3.03
ADG509FBN	ADG509FBN-ND	Mux Analog Dual 4-Channel	16-Dip	6.82	5.46	4.61
ADG509FBRNZ	ADG509FBRNZ-ND	Mux Analog Dual 16-Channel Fault-Protected*	16-SOIC	6.82	5.46	4.61
ADG526AKN	ADG526AKN-ND	Mux Analog Single 16-Channel	28-Dip	9.33	8.40	7.45
ADG526AKPZ	ADG526AKPZ-ND	Mux Analog Single 16-Ch.* **NEW!**	28-PLCC	9.51	8.57	7.60
ADG526AKR	ADG526AKR-ND	Mux Analog Single 16-Channel	28-SOIC	9.06	8.16	7.24
ADG527AKN	ADG527AKN-ND	Mux Analog Dual 8-Channel	28-Dip	8.96	8.07	7.16
ADG527AKNZ	ADG527AKNZ-ND	Mux Analog Dual 8-Ch.* **NEW!**	28-Dip	8.96	8.07	7.16
ADG527AKPZ	ADG527AKPZ-ND	Mux Analog Dual 8-Channel	28-PLCC	9.15	8.24	7.31
ADG527AKR	ADG527AKR-ND	Mux Analog Dual 8-Channel	28-SOIC	8.71	7.85	6.96
ADG527AKRZ	ADG527AKRZ-ND	Mux Analog Dual 8-Ch.* **NEW!**	28-SOIC	8.71	7.85	6.96
ADG528AKNZ	ADG528AKNZ-ND	Mux Analog 8-Channel*	28-Dip	6.78	5.43	4.58
ADG528AKP	ADG528AKP-ND	Mux Analog 8-Channel	20-PLCC	6.88	5.51	4.65
ADG528FBP	ADG528FBP-ND	Mux Analog 8-Ch. Fault-Protected	20-PLCC	7.80	6.24	5.27
ADG529AKN	ADG529AKN-ND	Mux Analog Dual 4-Channel	18-Dip	6.78	5.43	4.58
ADG604YRUZ	ADG604YRUZ-ND	Mux 4-Channel, 2.7/5.5V*	14-TSSOP	4.10	3.28	2.55
ADG606BN	ADG606BN-ND	Mux 8-Channel, 5/3V High Perf.	16-Dip	5.33	4.27	3.32
ADG606BNZ	ADG606BNZ-ND	Mux 8-Channel, 5/3V High Perf.*	16-Dip	5.33	4.27	3.32
ADG608BRZ	ADG608BRZ-ND	Mux 8-Channel, 5/3V High Perf.*	16-SOIC	5.18	4.14	3.22
ADG608BRU	ADG608BRU-ND	Mux 8-Channel, 5/3V High Perf.	16-TSSOP	5.18	4.14	3.22
ADG608BRUZ-REEL7	ADG608BRUZ-REEL7CT-ND	Mux 8-Channel, 5/3V High Perf.*	16-TSSOP	5.18	4.14	3.22
ADG608BRUZ-REEL7	ADG608BRUZ-REEL7TR-ND	Mux 8-Channel, 5/3V High Perf.*	16-TSSOP	2933.00/1,000		
ADG609BN	ADG609BN-ND	Mux Diff. 4-Channel, 5/3V Precision	16-Dip	5.33	4.27	3.32
ADG609BRZ	ADG609BRZ-ND	Mux Diff. 4-Channel, 5/3V Precision*	16-SOIC	5.18	4.14	3.22
ADG609BRU	ADG609BRU-ND	Mux Diff. 4-Ch., 5/3V Precision*	16-TSSOP	5.18	4.14	3.22
ADG658YRUZ	ADG658YRUZ-ND	Mux Single 8-Channel, 3/5V*	16-TSSOP	2.25	1.80	1.40
ADG659YRUZ	ADG659YRUZ-ND	Mux Dual 8-Channel, 3/5V*	16-TSSOP	2.25	1.80	1.40
ADG704BRMZ	ADG704BRMZ-ND	Mux 4-Channel, 1.8/5.5V*	10-MSOP	2.43	1.95	1.52
ADG704BRM-REEL7	ADG704BRM-REEL7CT-ND	Mux 4-Channel, 1.8/5.5V	10-MSOP	2.43	1.95	1.52
ADG704BRM-REEL7	ADG704BRM-REEL7TR-ND	Mux 4-Channel, 1.8/5.5V	10-MSOP	1377.00/1,000		
ADG706BRUZ	ADG706BRUZ-ND	Mux 16-Channel, 1.8/5.5V*	28-TSSOP	6.22	4.98	4.20
ADG706BRU-REEL7	ADG706BRU-REEL7CT-ND	Mux 16-Channel, 1.8/5.5V	28-TSSOP	6.22	4.98	4.20
ADG706BRU-REEL7	ADG706BRU-REEL7TR-ND	Mux 16-Channel, 1.8/5.5V	28-TSSOP	3888.00/1,000		
ADG708BRUZ	ADG708BRUZ-ND	Mux Single 8-Channel, 1.8/5.5V*	16-TSSOP	3.42	2.74	2.13
ADG708CRUZ	ADG708CRUZ-ND	Mux Single 8-Channel, 1.8/5.5V*	16-TSSOP	4.12	3.30	2.57
ADG709BRU	ADG709BRU-ND	Mux Dual 4-Channel, 1.8/5.5V	16-TSSOP	3.42	2.74	2.13
ADG709BRUZ	ADG709BRUZ-ND	Mux Dual 4-Channel, 1.8/5.5V*	16-TSSOP	3.42	2.74	2.13
ADG709BRU-REEL7	ADG709BRU-REEL7CT-ND	Mux Dual 4-Channel, 1.8/5.5V	16-TSSOP	3.42	2.74	2.13
ADG709BRU-REEL7	ADG709BRU-REEL7TR-ND	Mux Dual 4-Channel, 1.8/5.5V	16-TSSOP	1938.00/1,000		
ADG709BRUZ-REEL7	ADG709BRUZ-REEL7TR-ND	Mux Dual 4-Channel, 1.8/5.5V*	16-TSSOP	1938.00/1,000		
ADG725BSUZ	ADG725BSUZ-ND	Mux SPI 16-Channel, 1.8/5.5V*	48-TQFP	9.33	8.40	7.45
ADG726BSU	ADG726BSU-ND	Mux Diff. 16-Channel, 1.8/5.5V	48-TQFP	9.16	8.25	7.32
ADG726BSUZ	ADG726BSUZ-ND	Mux Diff. 16-Channel, 1.8/5.5V*	48-TQFP	9.16	8.25	7.32
ADG731BSUZ	ADG731BSUZ-ND	Mux SPI 32-Channel, 1.8/5.5V*	48-TQFP	9.33	8.40	7.45
ADG732BSUZ	ADG732BSUZ-ND	Mux Single 32-Channel, 1.8/5.5V*	48-TQFP	9.16	8.25	7.32
ADG738BRUZ	ADG738BRUZ-ND	Mux SPI 8-Channel, 2.7/5.5V*	16-TSSOP	4.39	3.51	2.73
ADG759BCPZ	ADG759BCPZ-ND	Mux Dual 4-Channel, 1.8/5.5V*	20-LFCSP	3.42	2.74	2.13
ADG774BRZ	ADG774BRZ-ND	Mux Quad 200MHz Low Voltage*	16-SOIC	4.19	3.35	2.61
ADG1204YCPZ-500RL7	ADG1204YCPZ-500RL7CT-ND	Mux Low Capacitance, Low Charge Injection, 4:1 /CMOS™	12-LFCSP	6.62	5.30	4.12
ADG1204YCPZ-500RL7	ADG1204YCPZ-500RL7TR-ND	Mux Low Capacitance, Low Charge Injection, 4:1 /CMOS™	12-LFCSP	1867.00/500		
ADG1204YRUZ	ADG1204YRUZ-ND	Mux Low Capacitance, Low Charge Injection, 4:1 /CMOS™	14-TSSOP	6.18	4.95	4.18
MUX08EP	MUX08EP-ND	Mux Analog JFET 8-Channel	16-Dip	9.93	8.94	7.93
MUX08EPZ	MUX08EPZ-ND	Mux Analog JFET 8-Channel*	16-Dip	9.93	8.94	7.93
MUX24FP	MUX24FP-ND	Mux Analog Dual JFET 4-Channel	16-Dip	8.53	7.68	6.81
SMP08FP	SMP08FP-ND	Mux Octal Sample-Hold	16-Dip	13.23	11.91	10.57
Multiplier/Divider						
AD532JD	AD532JD-ND	Trimmed Multiplier/Divider	14-Dip	29.52	27.56	25.59
AD532JH	AD532JH-ND	Trimmed Multiplier/Divider	TO-100	22.80	21.28	19.76
AD532KD	AD532KD-ND	Trimmed Multiplier/Divider	14-Dip	53.67	50.10	46.52
AD532SD	AD532SD-ND	Trimmed Multiplier/Divider	14-Dip	80.49	75.13	69.76
AD532SH	AD532SH-ND	Trimmed Multiplier/Divider	TO-100	65.07	60.74	56.40
AD534JD	AD534JD-ND	Trimmed Multiplier/Divider	14-Dip	29.52	27.56	25.59
AD534JH	AD534JH-ND	Trimmed Multiplier/Divider	TO-100	22.74	21.23	19.71
AD534KD	AD534KD-ND	Trimmed Multiplier/Divider	14-CDip	42.93	40.07	37.21
AD534KH	AD534KH-ND	Trimmed Multiplier/Divider	TO-100	49.37	46.08	42.79
AD534LD	AD534LD-ND	Trimmed Multiplier/Divider	14-CDip	88.55	82.65	76.74
AD534LH	AD534LH-ND	Trimmed Multiplier/Divider	TO-100	72.99	68.13	63.26
AD534SH	AD534SH-ND	Trimmed Multiplier/Divider	TO-100	93.51	87.28	81.05
AD534TD	AD534TD-ND	Trimmed Multiplier/Divider	14-Dip	142.22	132.74	123.26
AD538AD	AD538AD-ND	Multiplier/Divider Real-Time ACU	18-CDip	39.54	36.91	34.27
AD538BD	AD538BD-ND	Multiplier/Divider Real-Time ACU	18-CDip	50.19	46.85	43.50
AD538SD	AD538SD-ND	Multiplier/Divider Real-Time ACU	18-CDip	90.15	84.14	78.13
AD632AD	AD632AD-ND	Precision Multiplier Programmable	TO-116	33.54	31.31	29.07
AD734AN	AD734AN-ND	Multiplier/Divider 4-Quadrant	14-Dip	17.97	16.78	15.58
AD734ANZ	AD734ANZ-ND	Multiplier/Divider 4-Quadrant*	14-Dip	17.97	16.78	15.58
AD734AQ	AD734AQ-ND	Multiplier/Divider 4-Quadrant	14-Dip	20.69	19.31	17.93
AD734BN	AD734BN-ND	Multiplier/Divider 4-Quadrant	14-Dip	30.39	28.37	26.34
AD734BNZ	AD734BNZ-ND	Multiplier/Divider 4-Quadrant*	14-Dip	30.39	28.37	26.34
AD834AQ	AD834AQ-ND	Multiplier 4-Quadrant	8-CDip	42.51	39.68	36.85
AD834AR	AD834AR-ND	Multiplier 4-Quadrant	8-SOIC	24.90	22.59	20.97
AD834ARZ	AD834ARZ-ND	Multiplier 4-Quadrant*	8-SOIC	24.20	22.59	20.97
AD834JN	AD834JN-ND	Multiplier 4-Quadrant	8-Dip	23.61	22.04	20.47
AD834JRZ	AD834JRZ-ND	Multiplier 4-Quadrant*	8-SOIC	22.71	21.20	19.69
AD835ANZ	AD835ANZ-ND	Multiplier 4-Quadrant*	8-Dip	14.11	12.71	11.27
AD835ARZ	AD835ARZ-ND	Multiplier 4-Quadrant*	8-SOIC	14.11	12.71	11.27
AD835AR-REEL7	AD835AR-REEL7CT-ND	Multiplier 4-Quadrant*	8-SOIC	14.11	12.71	11.27
AD835AR-REEL7	AD835AR-REEL7TR-ND	Multiplier 4-Quadrant	8-SOIC	7941.00/750		
MLT04GPZ	MLT04GPZ-ND	Multiplier 4-Quadrant*	14-Dip	16.97	15.84	14.71
MLT04GSZ	MLT04GSZ-ND	Multiplier 4-Quadrant*	16-SOIC	16.97	15.84	14.71

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AD7306JN	AD7306JN-ND	TX/RX RS-232/RS-422, 5V	24-Dip	11.31	10.19	9.04
AD7306JNZ	AD7306JNZ-ND	TX/RX RS-232/RS-422, 5V*	24-Dip	11.31	10.19	9.04
ADM101EARMZ	ADM101EARMZ-ND	TX/RX RS-232 Single 5V*	10-MSOP	2.38	1.90	1.43
ADM202EANZ	ADM202EANZ-ND	TX/RX RS-232, 5V, 15kV*	16-Dip	1.10	.88	.66
ADM202EARNZ	ADM202EARNZ-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC	1.10	.88	.66
ADM202EARN-REEL	ADM202EARN-REELTR-ND	TX/RX RS-232, 5V, 15kV	16-SOIC		1430.00/2,500	
ADM202EARNZ-REEL	ADM202EARNZ-REEL-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC		1430.00/2,500	
ADM202EARN-REEL7	ADM202EARNREEL7TR-ND	TX/RX RS-232, 5V, 15kV	16-SOIC		585.00/1,000	
ADM202EARNZ-REEL7	ADM202EARNZ-REEL7TR-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC		585.00/1,000	
ADM202EARUZ	ADM202EARUZ-ND	TX/RX RS-232, 5V, 15kV*	16-TSSOP	1.10	.88	.66
ADM202EARU-REEL7	ADM202EARUREEL7TR-ND	TX/RX RS-232, 5V, 15kV	16-TSSOP		585.00/1,000	
ADM202EARUZ-REEL7	ADM202EARUZ-REEL7TR-ND	TX/RX RS-232, 5V, 15kV*	16-TSSOP		585.00/1,000	
ADM202EARWZ	ADM202EARWZ-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC	1.10	.88	.66
ADM202EARW-REEL	ADM202EARW-REELTR-ND	TX/RX RS-232, 5V, 15kV	16-SOIC		585.00/1,000	
ADM202JNZ	ADM202JNZ-ND	TX/RX RS-232, 5V, 15kV*	16-Dip	1.03	.82	.62
ADM202JRNZ	ADM202JRNZ-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC	1.03	.82	.62
ADM202JRN-REEL7	ADM202JRN-REEL7TR-ND	TX/RX RS-232, 5V, 15kV	16-SOIC		545.00/1,000	
ADM202JRNZ-REEL7	ADM202JRNZ-REEL7TR-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC		545.00/1,000	
ADM202JRW	ADM202JRW-ND	TX/RX RS-232, 5V, 15kV	16-SOIC	1.23	1.03	.82
ADM202JRWZ	ADM202JRWZ-ND	TX/RX RS-232, 5V, 15kV*	16-SOIC	1.03	.82	.62
ADM202JRW-REEL	ADM202JRW-REELCT-ND	TX/RX RS-232, 5V, 15kV	16-SOIC	1.03	.82	.62
ADM202JRW-REEL	ADM202JRW-REELTR-ND	TX/RX RS-232, 5V, 15kV	16-SOIC		545.00/1,000	
ADM206EAR	ADM206EAR-ND	TX/RX RS-232, 5V Shutdown/Enable	24-SOIC	3.49	2.79	2.17
ADM206EARZ	ADM206EARZ-ND	TX/RX RS-232, 5V Shutdown/Enable*	24-SOIC	3.49	2.79	2.17
ADM207EARZ	ADM207EARZ-ND	TX/RX RS-232, 5V, 1kV*	24-SOIC	1.89	1.52	1.18
ADM208ARZ	ADM208ARZ-ND	TX/RX RS-232, 5V, 0.1uF*	24-SOIC	2.03	1.62	1.26
ADM208AEANZ	ADM208AEANZ-ND	TX/RX RS-232, 5V, 0.1uF*	24-SSOP	2.03	1.62	1.26
ADM208EAR	ADM208EAR-ND	TX/RX RS-232, 5V, 0.1uF	24-SOIC	2.25	1.80	1.35
ADM208EAR-REEL	ADM208EAR-REELCT-ND	TX/RX RS-232, 5V, 0.1uF	24-SOIC	3.29	2.63	2.05
ADM208EAR-REEL	ADM208EAR-REELTR-ND	TX/RX RS-232, 5V, 0.1uF	24-SOIC		1170.00/1,000	
ADM208EARSZ	ADM208EARSZ-ND	TX/RX RS-232, 5V, 0.1uF*	24-SSOP	2.03	1.62	1.26
ADM211ARSZ	ADM211ARSZ-ND	TX/RX RS-232, 5V, 0.1uF*	28-SSOP	1.62	1.30	1.01
ADM211ARS-REEL	ADM211ARS-REELCT-ND	TX/RX RS-232, 5V, 0.1uF	28-SSOP	3.29	2.63	2.05
ADM211ARS-REEL	ADM211ARS-REELTR-ND	TX/RX RS-232, 5V, 0.1uF	28-SSOP		1404.00/1,500	
ADM211EARZ	ADM211EARZ-ND	TX/RX RS-232, 5V, 0.1uF*	28-SOIC	1.80	1.44	1.08
ADM211EAR-REEL	ADM211EAR-REELCT-ND	TX/RX RS-232, 5V, 0.1uF	28-SOIC	3.29	2.63	2.05
ADM211EAR-REEL	ADM211EAR-REELTR-ND	TX/RX RS-232, 5V, 0.1uF	28-SOIC		936.00/1,000	
ADM211ERSZ	ADM211ERSZ-ND	TX/RX RS-232, 5V, 0.1uF*	28-SSOP	1.62	1.30	1.01
ADM211ERS-REEL	ADM211ERS-REELCT-ND	TX/RX RS-232, 5V, 0.1uF*	28-SSOP	3.29	2.63	2.05
ADM211ERS-REEL	ADM211ERS-REELTR-ND	TX/RX RS-232, 5V, 0.1uF	28-SSOP		1404.00/1,500	
ADM213EARU	ADM213EARU-ND	TX/RX RS-232, 5V, 0.1uF	28-TSSOP	1.80	1.44	1.08
ADM213EARUZ	ADM213EARUZ-ND	TX/RX RS-232, 5V, 0.1uF*	28-TSSOP	1.62	1.30	1.01
ADM222AN	ADM222AN-ND	TX/RX RS-232, 5V with SD	18-Dip	1.85	1.48	1.11
ADM222ANZ	ADM222ANZ-ND	TX/RX RS-232, 5V with SD*	18-Dip	1.67	1.34	1.04
ADM222ARZ	ADM222ARZ-ND	TX/RX RS-232, 5V with SD*	18-SOIC	1.67	1.34	1.04
ADM231LJN	ADM231LJN-ND	TX/RX RS-232, Dual 5V	14-Dip	1.45	1.16	.87
ADM232AANZ	ADM232AANZ-ND	TX/RX RS-232, Dual 5V*	16-Dip	.99	.80	.62
ADM232AARNZ	ADM232AARNZ-ND	TX/RX RS-232, Dual 5V*	16-SOIC	.99	.80	.62
ADM232AARN-REEL	ADM232AARN-REELCT-ND	TX/RX RS-232, Dual 5V	16-SOIC	2.25	1.80	1.40
ADM232AARN-REEL	ADM232AARN-REELTR-ND	TX/RX RS-232, Dual 5V	16-SOIC		1430.00/2,500	
ADM232AARWZ	ADM232AARWZ-ND	TX/RX RS-232, Dual 5V*	16-SOIC	.99	.80	.62
ADM232AARW-REEL	ADM232AARW-REELCT-ND	TXRX RS-232, Dual 5V	16-SOIC	2.25	1.80	1.40
ADM232AARW-REEL	ADM232AARW-REELTR-ND	TXRX RS-232, Dual 5V	16-SOIC		585.00/1,000	
ADM232LAN	ADM232LAN-ND	TX/RX Dual RS-232, 5V Low Power	16-Dip	1.26	1.05	.84
ADM232LARZ	ADM232LARZ-ND	TX/RX Dual RS-232, 5V Low Power*	16-SOIC	1.05	.84	.63
ADM232LAR-REEL	ADM232LAR-REELCT-ND	TX/RX RS-232, Dual 5V	16-SOIC	1.26	1.05	.84
ADM232LAR-REEL	ADM232LAR-REELTR-ND	TX/RX RS-232, Dual 5V	16-SOIC		559.00/1,000	
ADM232LJNZ	ADM232LJNZ-ND	TX/RX Dual RS-232, 5V Low Power*	16-Dip	1.15	.92	.69
ADM232LJRZ	ADM232LJRZ-ND	TX/RX Dual RS-232, 5V Low Power*	16-SOIC	1.10	.88	.66
ADM233LAN	ADM233LAN-ND	TX/RX Dual RS-232, 5V Low Power	20-Dip	4.10	3.28	2.55
ADM233LANZ	ADM233LANZ-ND	TX/RX Dual RS-232, 5V Low Power*	20-Dip	4.10	3.28	2.55
ADM233LJNZ	ADM233LJNZ-ND	TX/RX Dual RS-232, 5V Low Power*	20-Dip	4.10	3.28	2.55
ADM238LJNZ	ADM238LJNZ-ND	TX/RX Dual RS-232, 5V Low Power*	24-Dip	1.91	1.53	1.19
ADM238LJRZ	ADM238LJRZ-ND	TX/RX Quad RS-232, 5V Low Power*	24-SOIC	1.82	1.46	1.14
ADM242AN	ADM242AN-ND	TX/RX RS-232 with Enable and SD	18-Dip	1.80	1.44	1.08
ADM242ANZ	ADM242ANZ-ND	TX/RX RS-232 with Enable and SD*	18-Dip	1.80	1.44	1.08
ADM242ARZ	ADM242ARZ-ND	TX/RX RS-232 with Enable and SD*	18-SOIC	1.55	1.25	.97
ADM242AR-REEL	ADM242AR-REELTR-ND	TX/RX RS-232 with Enable and SD	18-SOIC		897.00/1,000	
ADM483AR	ADM483AR-ND	TX/RX RS-485/RS-422 Low Power, Slew-Rate Limited	8-SOIC	1.63	1.30	.98
ADM483ARZ	ADM483ARZ-ND	TX/RX RS-485/RS-422 Low Power, Slew-Rate Limited*	8-SOIC	1.63	1.30	.98
ADM483EANZ	ADM483EANZ-ND	TX/RX RS-485 Low-Slew 5V*	8-Dip	1.71	1.37	1.07
ADM483EARZ	ADM483EARZ-ND	TX/RX RS-485 Low-Slew 5V*	8-SOIC	1.71	1.37	1.07
ADM483EARZ-REEL	ADM483EARZ-REELTR-ND	TX/RX RS-485 Low-Slew 5V*	8-SOIC		2432.50/2,500	
ADM485ANZ	ADM485ANZ-ND	TX/RX Single RS-485, 5V*	8-Dip	1.28	1.02	.77
ADM485AR	ADM485AR-ND	TX/RX Single RS-485, 5V	8-SOIC	1.38	1.15	.92
ADM485ARZ	ADM485ARZ-ND	TX/RX Single RS-485, 5V*	8-SOIC	1.38	1.15	.92
ADM485AR-REEL	ADM485AR-REELTR-ND	TX/RX Single RS-485, 5V	8-SOIC		1495.00/2,500	
ADM485JNZ	ADM485JNZ-ND	TX/RX Single RS-485, 5V*	8-Dip	1.38	1.15	.92
ADM485JRZ	ADM485JRZ-ND	TX/RX Single RS-485, 5V*	8-SOIC	1.38	1.15	.92
ADM485JR-REEL	ADM485JR-REELTR-ND	TX/RX Single RS-485, 5V	8-SOIC		1495.00/2,500	
ADM488ANZ	ADM488ANZ-ND	TX/RX RS-485 Low-Slew*	8-Dip	1.83	1.46	1.10
ADM488ARZ	ADM488ARZ-ND	TX/RX RS-485 Low-Slew*	8-SOIC	1.51	1.21	.94
ADM489ANZ	ADM489ANZ-ND	TX/RX RS-485 Low-Slew/Enable*	14-Dip	1.98	1.58	1.19
ADM489ARZ	ADM489ARZ-ND	TX/RX RS-485 Low-Slew/Enable*	14-SOIC	1.85	1.48	1.11
ADM1385ARS	ADM1385ARS-ND	TX/RX RS-232 High Speed 3.3V	20-SSOP	3.02	2.42	1.88
ADM1385ARSZ	ADM1385ARSZ-ND	TX/RX RS-232 High Speed 3.3V*	20-SSOP	3.02	2.42	1.88
ADM1485ARZ	ADM1485ARZ-ND	TX/RX RS-485 High Speed 5V*	8-SOIC	2.48	1.98	1.54

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADM1485JN	ADM1485JN-ND	TX/RX RS-485 High Speed 5V	8-Dip	2.38	1.90	1.43
ADM1485JNZ	ADM1485JNZ-ND	TX/RX RS-485 High Speed 5V*	8-Dip	2.38	1.90	1.43
ADM1485JRZ	ADM1485JRZ-ND	TX/RX RS-485 High Speed 5V*	8-SOIC	2.13	1.70	1.28
ADM1486ARZ	ADM1486ARZ-ND	TX/RX RS-485 PROFIBUS 5V*	8-SOIC	5.09	4.07	3.17
ADM2209EARUZ	ADM2209EARUZ-ND	TX/RX 6/10 RS-232, 12V*	38-TSSOP	4.97	3.98	3.10
ADM2483BRWZ	ADM2483BRWZ-ND	TX/RX RS-485 Half-Duplex, iCoupler® *	16-SOIC	5.60	5.28	4.46
ADM2486BRW	ADM2486BRW-ND	TX/RX RS-485, High Speed, Half-Duplex iCoupler®	16-SOIC	9.16	8.25	7.32
ADM2486BRWZ	ADM2486BRWZ-ND	TX/RX RS-485, High Speed, Half-Duplex iCoupler® *	16-SOIC	9.16	8.25	7.32
ADM3202ANZ	ADM3202ANZ-ND	TX/RX Dual RS-232, 3.3V*	16-Dip	1.73	1.38	1.04
ADM3202ARNZ	ADM3202ARNZ-ND	TX/RX Dual RS-232, 3.3V*	16-SOIC	1.35	1.08	.84
ADM3202ARN-REEL7	ADM3202ARNREEL7CT-ND	TX/RX Dual RS-232, 3.3V	16-SOIC	2.54	2.04	1.59
ADM3202ARN-REEL7	ADM3202ARNREEL7TR-ND	TX/RX Dual RS-232, 3.3V	16-SOIC		780.00/1,000	
ADM3202ARNZ-REEL7	ADM3202ARNZ-REEL7TR-ND	TX/TX Dual RS-232, 3.3V*	16-SOIC		780.00/1,000	
ADM3202ARUZ	ADM3202ARUZ-ND	TX/RX Dual RS-232, 3.3V*	16-TSSOP	1.35	1.08	.84
ADM3202ARU-REEL	ADM3202ARU-REELCT-ND	TX/RX Dual RS-232, 3.3V	16-TSSOP	2.54	2.04	1.69
ADM3202ARU-REEL	ADM3202ARU-REELTR-ND	TX/RX Dual RS-232, 3.3V	16-TSSOP		1920.00/2,500	
ADM3202ARWZ	ADM3202ARWZ-ND	TX/RX Dual RS-232, 3.3V*	16-SOIC	1.50	1.20	.90
ADM3222ARSZ	ADM3222ARSZ-ND	TX/RX RS-232, 3.3V with SD*	20-SSOP	1.46	1.17	.91
ADM3222ARUZ	ADM3222ARUZ-ND	TX/RX RS-232, 3.3V with SD*	20-TSSOP	1.46	1.17	.91
ADM3222ARW	ADM3222ARW-ND	TX/RX RS-232, 3.3V with Shutdown	18-SOIC	1.63	1.30	.98
ADM3310EARU	ADM3310EARU-ND	TX/RX RS-232, 3.5, 2.7V	28-TSSOP	3.20	2.56	1.99
ADM3311EARS	ADM3311EARS-ND	TX/RX RS-232, 3.5, 2.7V	28-SSOP	1.88	1.50	1.13
ADM3311EARSZ	ADM3311EARSZ-ND	TX/RX RS-232, 3.5, 2.7V*	28-SSOP	1.69	1.35	1.05
ADM3311EARS-REEL	ADM3311EARSREELCT-ND	TX/RX RS-232, 3.5, 2.7V	28-SSOP	3.15	2.52	1.96
ADM3311EARS-REEL	ADM3311EARSREELTR-ND	TX/RX RS-232, 3.5, 2.7V	28-SSOP		975.00/1,000	
ADM3311EARSZ-REEL	ADM3311EARSZ-REELTR-ND	TX/RX RS-232, 3.5, 2.7V*	28-SSOP		975.00/1,000	
ADM3311ERUZ	ADM3311ERUZ-ND	TX/RX RS-232, 2.7/3.6V*	28-TSSOP	1.69	1.35	1.05
ADM3311EARU-REEL7	ADM3311EARU-RLCT-ND	TX/RX RS-232, 3.5, 2.7V	28-TSSOP	3.15	2.52	1.96
ADM3311EARU-REEL7	ADM3311EARU-RLTR-ND	TX/RX RS-232, 3.5, 2.7V	28-TSSOP		975.00/1,000	
ADM3315EARUZ	ADM3315EARUZ-ND	TX/RX RS-232, 3.5, 2.7V*	24-TSSOP	3.20	2.56	1.99
ADM3485EARZ	ADM3485EARZ-ND	TX/RX RS-485 HS 3.3V*	8-SOIC	1.98	1.59	1.24
ADM3485EAR-REEL7	ADM3485EAREEL7CT-ND	TX/RX RS-485 HS 3.3V	8-SOIC	2.75	2.20	1.71
ADM3485EAR-REEL7	ADM3485EAREEL7TR-ND	TX/RX RS-485 HS 3.3V	8-SOIC		1157.00/1,000	
ADM3491ARZ	ADM3491ARZ-ND	TX/RX RS-485 HS Full Duplex 3.3V*	14-SOIC	1.78	1.43	1.11
ADM3491ARUZ-1	ADM3491ARUZ-1-ND	TX/RX RS-485 HS Full Duplex 3.3V*	16-TSSOP	1.78	1.43	1.11
ADM4850AR	ADM4850AR-ND	TX/RX RS-485/RS-422, Half Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4851AR	ADM4851AR-ND	TX/RX RS-485/RS-422, Half Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4852AR	ADM4852AR-ND	TX/RX RS-485/RS-422, Half Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4853AR	ADM4853AR-ND	TX/RX RS-485/RS-422, Half Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4853ARZ	ADM4853ARZ-ND	TX/RX RS-485/RS-422, Half Duplex Slew Rate Limited, 5V* **NEW!**	8-SOIC	1.50	1.20	.90
ADM4854AR	ADM4854AR-ND	TX/RX RS-485/RS-422, Full Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4855AR	ADM4855AR-ND	TX/RX RS-485/RS-422, Full Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4856AR	ADM4856AR-ND	TX/RX RS-485/RS-422, Full Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM4857AR	ADM4857AR-ND	TX/RX RS-485/RS-422, Full Duplex Slew Rate Limited, 5V	8-SOIC	1.50	1.20	.90
ADM5170APZ	ADM5170APZ-ND	TX/RX RS-232/423 Octal*	28-PLCC	6.36	5.09	4.30
ADM5170JP	ADM5170JP-ND	TX/RX RS-232/423 Octal	28-PLCC	5.14	4.12	3.47
ADM5180JP	ADM5180JP-ND	TX/RX RS-232/423 Octal	28-PLCC	5.14	4.12	3.47
ADM5180JPZ	ADM5180JPZ-ND	TX/RX RS-232/423 Octal* **NEW!**	28-PLCC	5.14	4.12	3.47

ANALOG DEVICES — MOTION/MOTOR CONTROL

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
1B31AN	1B31AN-ND	Signal Condition Strain Gage	28-Dip	210.06	196.06	182.06
AC1059	AC1059-ND	Socket for Model AD210 IC	—	29.48	27.51	25.55
AC2626L4	AC2626L4-ND	Probe Temp 4' General Purpose	—	143.66	134.08	124.51
AD2S80ABD	AD2S80ABD-ND	R/D Converter Tracking	40-CDip	211.35	197.26	183.17
AD2S80AJD	AD2S80AJD-ND	R/D Converter Tracking	40-CDip	137.66	128.48	119.31
AD2S80ALD	AD2S80ALD-ND	R/D Converter Tracking	40-CDip	275.33	256.97	238.62
AD2S80ASD	AD2S80ASD-ND	R/D Converter Tracking	40-CDip	379.34	354.05	328.76
AD2S81AJD	AD2S81AJD-ND	R/D Converter Tracking	28-CDip	129.78	121.13	112.46
AD2S82AHPZ	AD2S82AHPZ-ND	R/D Converter Tracking*	44-PLCC	77.40	72.24	67.08
AD2S82AJPZ	AD2S82AJPZ-ND	R/D Converter Tracking*	44-PLCC	153.98	143.71	133.45
AD2S82AKPZ	AD2S82AKPZ-ND	R/D Converter Tracking*	44-PLCC	187.82	175.30	162.75
AD2S83APZ	AD2S83APZ-ND	R/D Converter Tracking*	44-PLCC	126.72	118.28	109.83
AD2S90APZ	AD2S90APZ-ND	R/D Converter 12-Bit*	20-PLCC	37.62	35.12	32.61
AD2S99APZ	AD2S99APZ-ND	Programmable Oscillator*	20-PLCC	13.96	12.57	11.15
AD2S1200WST	AD2S1200WST-ND	R/D Conv. Single-Supply w/Oscillator	44-LQFP	21.00	19.60	18.20
AD2S1200WSTZ	AD2S1200WSTZ-ND	R/D Conv. Single-Supply w/Oscillator*	44-LQFP	21.00	19.60	18.20
EVAL-AD2S1200CB	EVAL-AD2S1200CB-ND	Evaluation Board for AD2S1200	—	149.63	—	—
AD598AD	AD598AD-ND	LVDT Signal Conditioning	20-Dip	47.76	44.58	41.40
AD598JRZ	AD598JRZ-ND	LVDT Signal Conditioning*	20-SOIC	30.89	28.83	26.77
AD698AP	AD698AP-ND	LVDT Signal Conditioning	28-PLCC	26.91	25.12	23.33
AD698APZ	AD698APZ-ND	LVDT Signal Conditioning * **NEW!**	28-PLCC	26.91	25.12	23.33
AD698SQ	AD698SQ-ND	LVDT Signal Conditioning	24-Dip	82.41	76.92	71.43

ANALOG DEVICES — POWER MANAGEMENT

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
NEW! Battery Chargers NEW!						
ADP2291ACPZ-R7	ADP2291ACPZ-R7CT-ND	Compact, 1.5A Linear Charger for Single-Cell Li+ Battery*	8-LFCSP	2.75	2.20	1.71
ADP2291ACPZ-R7	ADP2291ACPZ-R7TR-ND	Compact, 1.5A Linear Charger for Single-Cell Li+ Battery*	8-LFCSP		2334.00/1,500	
ADP2291ARMZ-R7	ADP2291ARMZ-R7CT-ND	Compact, 1.5A Linear Charger for Single-Cell Li+ Battery*	8-MSOP	2.52	2.02	1.57

* RoHS Compliant

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADP2291ARMZ-R7	ADP2291ARMZ-R7TR-ND	Compact, 1.5A Linear Charger for Single-Cell Li+ Battery*	8-MSOP	1428.00/1,000		
		DC-to-DC				
AD8240YRM	AD8240YRM-ND	LED Driver/Monitor*	8-MSOP	2.48	1.99	1.68
AD8240YRMZ	AD8240YRMZ-ND	LED Driver/Monitor*	8-MSOP	2.79	2.24	1.74
ADM660AN	ADM660AN-ND	Converter Switch Capacitor	8-Dip	1.38	1.10	.83
ADM660ARZ	ADM660ARZ-ND	Converter Switch Capacitor*	8-SOIC	1.19	.96	.75
ADP1821-EVAL	ADP1821-EVAL-ND	Evaluation Board for ADP1821 ***NEW!***		37.50	—	—
ADP3041ARU-REEL7	ADP3041ARU-REEL7-ND	TFT LCD Panel Power Module	20-TSSOP	4.64	3.71	2.89
ADP3041ARU-REEL	ADP3041ARU-REELTR-ND	TFT LCD Panel Power Module	20-TSSOP	6490.00/2,500		
ADP3162JRZ-REEL7	ADP3162JRZREEL7CT-ND	5-Bit Prog. 2-Phase Sync. Buck Controller*	16-SOIC	4.03	3.23	2.51
ADP3162JRZ-REEL7	ADP3162JRZREEL7TR-ND	5-Bit Prog. 2-Phase Sync. Buck Controller*	16-SOIC	2282.00/1,000		
ADP3163JRUZ-REEL	ADP3163JRUZREEL7CT-ND	5-Bit Prog. 2/3-Phase Sync. Buck Controller*	20-TSSOP	4.05	3.24	2.52
ADP3163JRUZ-REEL	ADP3163JRUZREEL7TR-ND	5-Bit Prog. 2/3-Phase Sync. Buck Controller*	20-TSSOP	5670.00/2,500		
ADP3164JRUZ-REEL7	ADP3164JRUZREEL7CT-ND	5-Bit Prog. 4-Phase Sync. Buck Controller*	20-TSSOP	3.65	2.92	2.27
ADP3164JRUZ-REEL7	ADP3164JRUZREEL7TR-ND	5-Bit Prog. 4-Phase Sync. Buck Controller*	20-TSSOP	2066.00/1,000		
ADP3171JR	ADP3171JR-ND	Controller Buck Dual Regulator	14-SOIC	3.04	2.43	1.89
ADP3178JRZ-REEL7	ADP3178JRZREEL7CT-ND	4-Bit Prog. Sync. Buck Controller*	16-SOIC	3.13	2.51	1.95
ADP3178JRZ-REEL7	ADP3178JRZREEL7TR-ND	4-Bit Prog. Sync. Buck Controller*	16-SOIC	1772.00/1,000		
ADP3605AR	ADP3605AR-ND	Inverted Volt 120mA Switch Cap	8-SOIC	3.65	2.92	2.27
ADP3820ARTZ4.2RL7	ADP3820ARTZ4.2RCT-ND	4.2V, Lithium-Ion Battery Charger*	SOT-23-6	1.95	1.56	1.17
ADP3820ARTZ4.2RL7	ADP3820ARTZ4.2RTR-ND	4.2V, Lithium-Ion Battery Charger*	SOT-23-6	2994.00/3,000		
		MOSFET Driver				
ADP3120AJRZ	ADP3120AJRZ-ND	Dual Bootstrapped 12V MOSFET Driver*	8-SOIC	1.50	1.20	.90
ADP3414JRZ	ADP3414JRZ-ND	Dual Bootstrapped MOSFET Driver*	8-SOIC	2.48	1.98	1.54
ADP3415LRMZ-REEL	ADP3415LRMZREEL7CT-ND	Dual Bootstrapped MOSFET Driver*	10-MSOP	2.48	1.98	1.54
ADP3415LRMZ-REEL	ADP3415LRMZREEL7TR-ND	Dual Bootstrapped MOSFET Driver*	10-MSOP	4158.00/3,000		
ADP3419JRM-REEL	ADP3419JRM-REEL7CT-ND	Dual Bootstrapped, High Voltage MOSFET Driver	10-MSOP	1.80	1.44	1.08
ADP3419JRM-REEL	ADP3419JRM-REEL7TR-ND	Dual Bootstrapped, High Voltage MOSFET Driver	10-MSOP	2766.00/3,000		
		Regulators				
ADP667ANZ	ADP667ANZ-ND	Regulator LDO 5V or Adj.*	8-Dip	3.83	3.06	2.38
ADP667AR	ADP667AR-ND	Regulator LDO 5V or Adj.	8-SOIC	3.67	2.94	2.29
ADP1111AN	ADP1111AN-ND	Regulator Switching Adj. Voltage	8-Dip	4.52	3.62	2.82
ADP3181JRUZ-REEL	ADP3181JRUZREEL7CT-ND	Buck Regulator Multiphase Sync.*	28-TSSOP	2.32	1.86	1.45
ADP3181JRUZ-REEL	ADP3181JRUZREEL7TR-ND	Buck Regulator Multiphase Sync.*	28-TSSOP	3245.00/2,500		
ADP3300ARTZ-2.7RL7	ADP3300ARTZ2.7RCT-ND	Regulator LDO 2.7V, 50mA*	SOT-23-6	1.58	1.26	.95
ADP3300ARTZ-2.7RL7	ADP3300ARTZ2.7RTR-ND	Regulator LDO 2.7V, 50mA*	SOT-23-6	2418.00/3,000		
ADP3300ART3-3.3RL7	ADP3300ART3.3RCT-ND	Regulator LDO 3.3V, 50mA*	SOT-23-6	1.58	1.26	.95
ADP3300ART3-3.3RL7	ADP3300ART3.3RTR-ND	Regulator LDO 3.3V, 50mA*	SOT-23-6	2418.00/3,000		
ADP3301AR-3.3	ADP3301AR-3.3-ND	Regulator LDO 3.3V, 100mA	8-SOIC	2.32	1.86	1.45
ADP3303ARZ-3.3	ADP3303ARZ-3.3-ND	Regulator LDO 3.3V, 200mA*	8-SOIC	3.24	2.60	2.02
ADP3303AR-5	ADP3303AR-5-ND	Regulator LDO 5V, 200mA	8-SOIC	3.24	2.60	2.02
ADP3330ARTZ-2.5-R7	ADP3330ARTZ-2.5-R7CT-ND	Regulator LDO 2.5V, 200mA*	SOT-23-6	2.20	1.76	1.32
ADP3330ARTZ-2.5-R7	ADP3330ARTZ-2.5-R7TR-ND	Regulator LDO 2.5V, 200mA*	SOT-23-6	3378.00/3,000		
ADP3330ART3-3.3RL7	ADP3330ART3.3RCT-ND	Regulator LDO 3.3V, 200mA*	SOT-23-6	2.20	1.76	1.32
ADP3330ART23.3-RL7	ADP3330ART23.3-RLCT-ND	Regulator LDO 3.3V, 200mA*	SOT-23-6	2.20	1.76	1.32
ADP3330ART23.3-RL7	ADP3330ART23.3-RLTR-ND	Regulator LDO 3.3V, 200mA*	SOT-23-6	3378.00/3,000		
ADP3331ARTZ-REEL7	ADP3331ARTZ-REEL7CT-ND	Regulator LDO Adj. 200mA*	SOT-23-6	2.20	1.76	1.32
ADP3331ARTZ-REEL7	ADP3331ARTZ-REEL7TR-ND	Regulator LDO Adj. 200mA*	SOT-23-6	3378.00/3,000		
ADP3334ARZ	ADP3334ARZ-ND	Regulator LDO Adj. 500mA*	8-SOIC	2.52	2.02	1.57
ADP3335ARM-3.3-R7	ADP3335ARM3.3R7CT-ND	Regulator LDO 3.3V, 500mA	8-MSOP	3.29	2.63	2.05
ADP3335ARM-3.3-RL7	ADP3335ARM3.3R7TR-ND	Regulator LDO 3.3V, 500mA	8-MSOP	1862.00/4,000		
ADP3335ARMZ-3.3-RL	ADP3335ARMZ-3.3-RLTR-ND	Regulator LDO 3.3V, 500mA*	8-MSOP	3.29	2.63	2.05
ADP3335ARMZ-3.3-RL	ADP3335ARMZ-3.3-RLTR-ND	Regulator LDO 3.3V, 500mA*	8-MSOP	5520.00/12,000		
ADP3336ARMZ-REEL7	ADP3336ARMZ-REEL7CT-ND	Regulator LDO 500mA, Adj.*	8-MSOP	3.29	2.63	2.05
ADP3336ARMZ-REEL7	ADP3336ARMZ-REEL7TR-ND	Regulator LDO 500mA, Adj.*	8-MSOP	1862.00/1,000		
ADP3338AKC-2.5-R7	ADP3338AKC2.5R7CT-ND	Regulator LDO 1A Precision 2.5V	SOT-223	3.33	2.67	2.08
ADP3338AKC-2.5-R7	ADP3338AKC2.5R7TR-ND	Regulator LDO 1A Precision 2.5V	SOT-223	943.50/500		
ADP3338AKCZ-2.5RL7	ADP3338AKCZ-2.5RL7CT-ND	Regulator LDO 1A Precision 2.5V*	SOT-223	3.33	2.67	2.08
ADP3338AKCZ-2.5RL7	ADP3338AKCZ-2.5RL7TR-ND	Regulator LDO 1A Precision 2.5V*	SOT-223	962.00/500		
ADP3338AKCZ-3.3RL7	ADP3338AKCZ-3.3RL7CT-ND	Regulator LDO 1A Precision 3.3V*	SOT-223	3.33	2.67	2.08
ADP3338AKCZ-3.3RL7	ADP3338AKCZ-3.3RL7TR-ND	Regulator LDO 1A Precision 3.3V*	SOT-223	962.00/500		
ADP3338AKCZ-5-R7	ADP3338AKCZ-5-R7CT-ND	Regulator LDO 1A Precision 5V*	SOT-223	3.33	2.67	2.08
ADP3338AKCZ-5-R7	ADP3338AKCZ-5-R7TR-ND	Regulator LDO 1A Precision 5V*	SOT-223	962.00/500		
ADP3339AKC-1.5-RL7	ADP3339AKC1.5RLCT-ND	Regulator LDO 1.5A, 1.5V	SOT-223	3.94	3.15	2.45
ADP3339AKC-1.5-RL7	ADP3339AKC1.5RLTR-ND	Regulator LDO 1.5A, 1.5V	SOT-223	1137.50/500		
ADP3339AKCZ-1.5-R7	ADP3339AKCZ-1.5-R7CT-ND	Regulator LDO 1.5A, 1.5V* ***NEW!***	SOT-223	3.94	3.15	2.45
ADP3339AKCZ-1.5-R7	ADP3339AKCZ-1.5-R7TR-ND	Regulator LDO 1.5A, 1.5V* ***NEW!***	SOT-223	1137.50/500		
ADP3339AKCZ-2.5-R7	ADP3339AKCZ-2.5-R7CT-ND	Regulator LDO 1.5A, 2.5V* ***NEW!***	SOT-223	3.94	3.15	2.45
ADP3339AKCZ-2.5-R7	ADP3339AKCZ-2.5-R7TR-ND	Regulator LDO 1.5A, 2.5V* ***NEW!***	SOT-223	1137.50/500		
ADP3339AKC-3-RL7	ADP3339AKC-3RL7CT-ND	Regulator LDO 1.5A, 3V	SOT-223	3.94	3.15	2.45
ADP3339AKC-3-RL7	ADP3339AKC-3RL7TR-ND	Regulator LDO 1.5A, 3V	SOT-223	1137.50/500		
ADP3339AKCZ-3-RL7	ADP3339AKCZ-3-RL7CT-ND	Regulator LDO 1.5A, 3V* ***NEW!***	SOT-223	3.94	3.15	2.45
ADP3339AKCZ-3-RL7	ADP3339AKCZ-3-RL7TR-ND	Regulator LDO 1.5A, 3V* ***NEW!***	SOT-223	1137.50/500		
ADP3339AKCZ-3.3-R7	ADP3339AKCZ-3.3-R7CT-ND	Regulator LDO 1.5A, 3.3V* ***NEW!***	SOT-223	3.94	3.15	2.45
ADP3339AKCZ-3.3-R7	ADP3339AKCZ-3.3-R7TR-ND	Regulator LDO 1.5A, 3.3V* ***NEW!***	SOT-223	1137.50/500		
ADP3339AKC-5-REEL7	ADP3339AKC-5RL7CT-ND	Regulator LDO 1.5A, 5V	SOT-223	3.94	3.15	2.45
ADP3339AKC-5-REEL7	ADP3339AKC-5RL7TR-ND	Regulator LDO 1.5A, 5V	SOT-223	1137.50/500		
ADP3339AKCZ-5-R7	ADP3339AKCZ-5-R7CT-ND	Regulator LDO 1.5A, 5V* ***NEW!***	SOT-223	3.94	3.15	2.45
ADP3339AKCZ-5-R7	ADP3339AKCZ-5-R7TR-ND	Regulator LDO 1.5A, 5V* ***NEW!***	SOT-223	1137.50/500		
ADP3367AR	ADP3367AR-ND	Regulator LDO Adjustable 5V*	8-SOIC	4.37	3.50	2.72
ADP3367ARZ	ADP3367ARZ-ND	Regulator LDO Adjustable 5V*	8-SOIC	4.37	3.50	2.72
		Voltage Reference				
AD580JH	AD580JH-ND	Precision Voltage Reference 2.5V	TO-52	5.47	4.38	3.41
AD580LH	AD580LH-ND	Precision Voltage Reference 2.5V	TO-52	11.28	10.16	9.01
AD580TH	AD580TH-ND	Precision Voltage Reference 2.5V	TO-52	19.43	18.13	16.84
AD581JH	AD581JH-ND	Precision Voltage Reference 10V	TO-5	7.46	5.97	5.04
AD581KH	AD581KH-ND	Precision Voltage Reference 10V	TO-5	9.75	8.78	7.79
AD581LH	AD581LH-ND	Precision Voltage Reference 10V	TO-5	17.88	16.69	15.50
AD581UH	AD581UH-ND	Precision Voltage Reference 10V	TO-5	39.84	37.19	34.53
AD584JH	AD584JH-ND	Precision Voltage Ref. Programmable	TO-99	8.60	7.04	5.94
AD584JNZ	AD584JNZ-ND	Precision Voltage Ref. Programmable*	8-Dip	5.54	4.44	3.74
AD584KH	AD584KH-ND	Precision Voltage Ref. Programmable	TO-99	14.48	13.04	11.56

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD584KNZ	AD584KNZ-ND	Precision Voltage Ref. Prog.*	8-Dip	9.06	8.16	7.24
AD584LH	AD584LH-ND	Precision Voltage Ref. Programmable	TO-99	21.98	20.51	19.05
AD584TH	AD584TH-ND	Precision Voltage Ref. Programmable	TO-99	27.05	25.25	23.44
AD586AR	AD586AR-ND	Precision Voltage Reference 5V	8-SOIC	8.50	7.65	6.79
AD586ARZ-REEL	AD586ARZ-REEL7-ND	Precision Voltage Reference 5V*	8-SOIC	8.50	7.65	6.79
AD586ARZ-REEL	AD586ARZ-REELTR-ND	Precision Voltage Reference 5V*	8-SOIC	15492.50/2,500		
AD586BRZ	AD586BRZ-ND	Precision Voltage Ref. 5V*	8-SOIC	11.83	10.65	9.45
AD586BRZ-REEL	AD586BRZ-REEL7-ND	Precision Voltage Ref. 5V*	8-SOIC	11.83	10.65	9.45
AD586BRZ-REEL	AD586BRZ-REELTR-ND	Precision Voltage Ref. 5V*	8-SOIC	21567.50/2,500		
AD586JN	AD586JN-ND	Precision Voltage Reference 5V	8-Dip	5.82	4.66	3.93
AD586JNZ	AD586JNZ-ND	Precision Voltage Reference 5V*	8-Dip	5.82	4.66	3.93
AD586JRZ	AD586JRZ-ND	Precision Voltage Reference 5V*	8-SOIC	6.14	4.92	4.15
AD586KN	AD586KN-ND	Precision Voltage Reference 5V	8-Dip	7.48	5.99	5.05
AD586KNZ	AD586KNZ-ND	Precision Voltage Reference 5V*	8-Dip	7.48	5.99	5.05
AD586KRZ	AD586KRZ-ND	Precision Voltage Reference 5V*	8-SOIC	8.12	6.50	5.49
AD586KR-REEL7	AD586KR-REEL7CT-ND	Precision Voltage Reference 5V	8-SOIC	8.12	6.50	5.49
AD586KR-REEL7	AD586KR-REEL7TR-ND	Precision Voltage Reference 5V	8-SOIC	3867.00/750		
AD586LN	AD586LN-ND	Precision Voltage Reference 5V	8-Dip	8.73	7.86	6.97
AD586LNZ	AD586LNZ-ND	Precision Voltage Reference 5V*	8-Dip	8.73	7.86	6.97
AD586LQ	AD586LQ-ND	Precision Voltage Reference 5V	8-Dip	11.83	10.65	9.45
AD586LR	AD586LR-ND	Precision Voltage Reference 5V	8-SOIC	9.28	8.36	7.41
AD586LRZ	AD586LRZ-ND	Precision Voltage Reference 5V*	8-SOIC	9.28	8.36	7.41
AD586LR-REEL7	AD586LR-REEL7CT-ND	Precision Voltage Reference 5V	8-SOIC	9.28	8.36	7.41
AD586LR-REEL7	AD586LR-REEL7TR-ND	Precision Voltage Reference 5V	8-SOIC	5222.25/750		
AD586MN	AD586MN-ND	Precision Voltage Reference 5V	8-Dip	10.01	9.02	8.00
AD586MNZ	AD586MNZ-ND	Precision Voltage Reference 5V*	8-Dip	10.01	9.02	8.00
AD587JN	AD587JN-ND	Precision Voltage Reference 10V	8-Dip	5.40	4.32	3.65
AD587JNZ	AD587JNZ-ND	Precision Voltage Reference 10V*	8-Dip	5.40	4.32	3.65
AD587JRZ	AD587JRZ-ND	Precision Voltage Reference 10V*	8-SOIC	6.14	4.92	4.15
AD587KN	AD587KN-ND	Precision Voltage Reference 10V	8-Dip	6.14	4.92	4.15
AD587KRZ	AD587KRZ-ND	Precision Voltage Reference 10V*	8-SOIC	6.96	5.57	4.70
AD587LN	AD587LN-ND	Precision Voltage Reference 10V	8-Dip	7.86	6.29	5.31
AD587LNZ	AD587LNZ-ND	Precision Voltage Reference 10V*	8-Dip	7.86	6.29	5.31
AD587UQ	AD587UQ-ND	Precision Voltage Reference 10V	8-Dip	18.84	17.59	16.33
AD588AQ	AD588AQ-ND	Precision Voltage Ref. Programmable	16-Dip	26.43	24.67	22.91
AD588BQ	AD588BQ-ND	Precision Voltage Ref. Programmable	16-Dip	48.66	45.42	42.18
AD588JQ	AD588JQ-ND	Precision Voltage Ref. Programmable	16-Dip	22.67	21.16	19.65
AD588KQ	AD588KQ-ND	Precision Voltage Ref. Programmable	16-Dip	39.65	37.01	34.36
AD589JH	AD589JH-ND	Voltage Reference 1.2V, 2-Terminal	H-02A	8.04	6.44	5.43
AD589JR	AD589JR-ND	Voltage Reference 1.2V, 2-Terminal	8-SOIC	3.87	3.10	2.41
AD589JRZ	AD589JRZ-ND	Voltage Reference 1.2V, 2-Terminal*	8-SOIC	3.87	3.10	2.41
AD589KH	AD589KH-ND	Voltage Reference 1.2V, 2-Terminal	H-02A	8.70	6.96	5.88
AD589LH	AD589LH-ND	Voltage Reference 1.2V, 2-Terminal	H-02A	14.81	13.34	11.83
AD589MH	AD589MH-ND	Voltage Reference 1.2V, 2-Terminal	H-02A	28.98	27.05	25.12
AD680JN	AD680JN-ND	Precision Voltage Reference 2.5V Low Power	8-Dip	4.12	3.30	2.57
AD680JNZ	AD680JNZ-ND	Precision Voltage Reference 2.5V Low Power*	8-Dip	4.12	3.30	2.57
AD680JR	AD680JR-ND	Precision Voltage Reference 2.5V Low Power	8-SOIC	4.12	3.30	2.57
AD680JRZ	AD680JRZ-ND	Precision Voltage Reference 2.5V Low Power*	8-SOIC	4.12	3.30	2.57
AD680JR-REEL7	AD680JR-REEL7CT-ND	Precision Voltage Reference 2.5V Low Power	8-SOIC	4.12	3.30	2.57
AD680JR-REEL7	AD680JR-REEL7TR-ND	Precision Voltage Reference 2.5V Low Power	8-SOIC	1784.25/750		
AD680JT	AD680JT-ND	Precision Voltage Reference 2.5V Low Power	TO-92	4.12	3.30	2.57
AD680JTZ	AD680JTZ-ND	Precision Voltage Reference 2.5V Low Power*	TO-92	4.12	3.30	2.57
AD688AQ	AD688AQ-ND	Precision Voltage Reference +/-10V	16-Dip	24.20	22.59	20.97
AD688BQ	AD688BQ-ND	Precision Voltage Reference +/-10V	16-Dip	40.80	38.08	35.36
AD780AN	AD780AN-ND	Precision Voltage Ref. 2.5V/3.0V	8-Dip	8.58	6.87	5.80
AD780ANZ	AD780ANZ-ND	Precision Voltage Ref. 2.5V/3.0V*	8-Dip	8.58	6.87	5.80
AD780AR-REEL7	AD780AR-REEL7TR-ND	Precision Voltage Reference 2.5V/3.0V	8-SOIC	4086.00/750		
AD780ARZ-N1	AD780ARZ-N1-ND	Precision Voltage Ref. 2.5V/3.0V*	8-SOIC	8.58	6.87	5.80
AD780ARZ-REEL7	AD780ARZ-REEL7CT-ND	Precision Voltage Ref. 2.5V/3.0V ***NEW!***	8-SOIC	10.73	8.58	6.44
AD780ARZ-REEL7	AD780ARZ-REEL7TR-ND	Precision Voltage Ref. 2.5V/3.0V* ***NEW!***	8-SOIC	5470.00/1,000		
AD780BN	AD780BN-ND	Precision Voltage Ref. 2.5V/3.0V	8-Dip	11.91	10.73	9.51
AD780BNZ	AD780BNZ-ND	Precision Voltage Ref. 2.5V/3.0V*	8-Dip	11.91	10.73	9.51
AD780BR	AD780BR-ND	Precision Voltage Ref. 2.5V/3.0V	8-SOIC	11.91	10.73	9.51
AD780BRZ	AD780BRZ-ND	Precision Voltage Ref. 2.5V/3.0V*	8-SOIC	11.91	10.73	9.51
AD1580ART-REEL7	AD1580ART-REEL7CT-ND	Voltage Reference 1.225V	SOT-23	1.48	1.18	.89
AD1580ARTZ-REEL7	AD1580ARTZ-REEL7CT-ND	Voltage Reference 1.225V*	SOT-23	1.48	1.18	.89
AD1580ARTZ-REEL7	AD1580ARTZ-REEL7TR-ND	Voltage Reference 1.225V*	SOT-23	2265.00/3,000		
AD1580BRT-REEL7	AD1580BRT-REEL7CT-ND	Voltage Reference 1.225V	SOT-23	2.18	1.74	1.31
AD1580BRTZ-REEL7	AD1580BRTZ-REEL7CT-ND	Voltage Reference 1.225V*	SOT-23	2.18	1.74	1.31
AD1580BRTZ-REEL7	AD1580BRTZ-REEL7TR-ND	Voltage Reference 1.225V*	SOT-23	3342.00/3,000		
AD1582ART-REEL7	AD1582ART-REEL7CT-ND	Voltage Reference 2.5V	SOT-23	1.48	1.18	.89
AD1582ARTZ-REEL7	AD1582ARTZREEL7CT-ND	Voltage Reference 2.5V*	SOT-23	1.48	1.18	.89
AD1582ARTZ-REEL7	AD1582ARTZREEL7TR-ND	Voltage Reference 2.5V*	SOT-23	2265.00/3,000		
AD1582BRTZ-REEL7	AD1582BRTZREEL7CT-ND	Voltage Reference 2.5V*	SOT-23	2.97	2.36	1.85
AD1582BRTZ-REEL7	AD1582BRTZ-REEL7TR-ND	Voltage Reference 2.5V*	SOT-23	4999.00/3,000		
AD1582BRTZ-REEL7	AD1582BRTZ-REEL7CT-ND	Voltage Reference 3V* ***NEW!***	SOT-23	2.72	2.16	1.70
AD1582BRTZ-REEL7	AD1582BRTZ-REEL7TR-ND	Voltage Reference 3V* ***NEW!***	SOT-23	4567.00/3,000		
AD1584ART-REEL7	AD1584ART-REEL7CT-ND	Voltage Reference 4.096V	SOT-23	1.43	1.14	.86
AD1584ARTZ-REEL7	AD1584ARTZ-REEL7CT-ND	Voltage Reference 4.096V*	SOT-23	1.43	1.14	.86
AD1584ARTZ-REEL7	AD1584ARTZ-REEL7TR-ND	Voltage Reference 4.096V*	SOT-23	2190.00/3,000		
AD1584BRT-REEL7	AD1584BRT-REEL7CT-ND	Voltage Reference 4.096V	SOT-23	2.72	2.18	1.70
AD1584BRT-REEL7	AD1584BRT-REEL7TR-ND	Voltage Reference 4.096V	SOT-23	4537.50/3,000		
AD1584BRTZ-REEL7	AD1584BRTZ-REEL7CT-ND	Voltage Reference 4.096V*	SOT-23	2.72	2.18	1.70
AD1584BRTZ-REEL7	AD1584BRTZ-REEL7TR-ND	Voltage Reference 4.096V*	SOT-23	4575.00/3,000		
AD01ARZ	AD01ARZ-ND	Precision Voltage Ref, 10V, 10PPM*	8-SOIC	2.93	2.34	1.82
AD01AUJ-R2	AD01AUJ-R2CT-ND	Precision Voltage Ref. 10V, 25PPM	TSOT-23-5	2.48	1.98	1.54
AD01AUJ-R2	AD01AUJ-R2TR-ND	Precision Voltage Ref. 10V, 25PPM	TSOT-23-5	365.75/250		
AD01BRZ	AD01BRZ-ND	Precision Voltage Ref. 10V, 3PPM*	8-SOIC	8.00	6.40	5.40
AD02AKS-R2	AD02AKS-R2CT-ND	Precision Voltage Ref. 5V, 10mA Out	SC70-5	2.48	1.98	1.54
AD02AKS-R2	AD02AKS-R2TR-ND	Precision Volt. Ref. 5V, 10mA Out	SC70-5	365.75/250		
AD02AUJZ-REEL7	AD02AUJZ-REEL7CT-ND	Precision Volt. Ref. 5V, 10mA Out*	TSOT-23-5	2.36	1.89	1.47
AD02AUJZ-REEL7	AD02AUJZ-REEL7TR-ND	Precision Volt. Ref. 5V, 10mA Out*	TSOT-23-5	3969.00/3,000		
AD02BKS-R2	AD02BKS-R2CT-ND	Precision Voltage Ref. 5V, 10mA Out	SC70-5	2.50	2.00	1.69
AD02BKS-R2	AD02BKS-R2TR-ND	Precision Voltage Ref. 5V, 10mA Out	SC70-5	415.75/250		
AD02ARZ	AD02ARZ-ND	Precision Voltage Ref. 5V, 10PPM*	8-SOIC	2.93	2.34	1.82
AD02AUJ-R2	AD02AUJ-R2CT-ND	Precision Voltage Ref. 5V, 25PPM	TSOT-23-5	2.48	1.98	1.54
AD02AUJ-R2	AD02AUJ-R2TR-ND	Precision Voltage Ref. 5V, 25PPM	TSOT-23-5	365.75/250		

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(Continued)

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Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADR02BRZ	ADR02BRZ-ND	Precision Voltage Ref. 5V, 3PPM*	8-SOIC	8.00	6.40	5.40
ADR02BUJ-R2	ADR02BUJ-R2CT-ND	Precision Voltage Ref. 5V, 9PPM	TSOT-23-5	2.81	2.25	1.75
ADR02BUJ-R2	ADR02BUJ-R2TR-ND	Precision Voltage Ref. 5V, 9PPM	TSOT-23-5		415.75/250	
ADR03AKS-R2	ADR03AKS-R2CT-ND	Precision Voltage Ref. 2.5V, 10mA	SC70-5	4.23	3.39	2.64
ADR03AKS-R2	ADR03AKS-R2TR-ND	Precision Voltage Ref. 2.5V, 10mA	SC70-5		365.75/250	
ADR03ARZ	ADR03ARZ-ND	Precision Voltage Ref. 2.5V, 10PPM*	8-SOIC	2.93	2.34	1.82
ADR03AUJ-R2	ADR03AUJ-R2CT-ND	Precision Voltage Ref. 2.5V, 10mA	TSOT-23-5	2.48	1.98	1.54
ADR03AUJ-R2	ADR03AUJ-R2TR-ND	Precision Voltage Ref. 2.5V, 10mA	TSOT-23-5		365.75/250	
ADR03BKS-R2	ADR03BKS-R2CT-ND	Precision Voltage Ref. 2.5V, 10mA	SC70-5	2.50	2.00	1.69
ADR03BKS-R2	ADR03BKS-R2TR-ND	Precision Voltage Ref. 2.5V, 10mA	SC70-5		415.75/250	
ADR03BRZ	ADR03BRZ-ND	Precision Voltage Ref. 2.5V, 3PPM*	8-SOIC	8.00	6.40	5.40
ADR03BUJ-R2	ADR03BUJ-R2CT-ND	Precision Voltage Ref. 2.5V, 9PPM	TSOT-23-5	2.81	2.25	1.75
ADR03BUJ-R2	ADR03BUJ-R2TR-ND	Precision Voltage Ref. 2.5V, 9PPM	TSOT-23-5		415.75/250	
ADR06AKS-R2	ADR06AKS-R2CT-ND	Precision Voltage Ref. 3V, 10mA Out	SC70-5	2.36	1.89	1.47
ADR06AKS-R2	ADR06AKS-R2TR-ND	Precision Voltage Ref. 3V, 10mA Out	SC70-5		349.25/250	
ADR06AR	ADR06AR-ND	Precision Voltage Ref. 3V, 10PPM	8-SOIC	2.93	2.34	1.82
ADR06AUJ-R2	ADR06AUJ-R2CT-ND	Precision Voltage Ref. 3V, 10mA	TSOT-23-5	4.23	3.39	2.64
ADR06AUJ-R2	ADR06AUJ-R2TR-ND	Precision Voltage Ref. 3V, 10mA	TSOT-23-5		349.25/250	
ADR06BKS-R2	ADR06BKS-R2CT-ND	Precision Voltage Ref. 3V, 10mA Out	SC70-5	2.68	2.15	1.67
ADR06BKS-R2	ADR06BKS-R2TR-ND	Precision Voltage Ref. 3V, 10mA Out	SC70-5		395.75/250	
ADR06BRZ	ADR06BRZ-ND	Precision Voltage Ref. 3V, 3PPM*	8-SOIC	8.00	6.40	5.40
ADR06BUJ-R2	ADR06BUJ-R2CT-ND	Precision Voltage Ref. 3V, 10mA	TSOT-23-5	2.38	1.91	1.61
ADR06BUJ-R2	ADR06BUJ-R2TR-ND	Precision Voltage Ref. 3V, 10mA	TSOT-23-5		395.75/250	
ADR121AUJZ-REEL7	ADR121AUJZ-REEL7CT-ND	Precision Volt. Ref. 2.5V* **NEW!**	TSOT-23-6	1.93	1.54	1.16
ADR121AUJZ-REEL7	ADR121AUJZ-REEL7TR-ND	Precision Volt. Ref. 2.5V* **NEW!**	TSOT-23-6		2958.00/3,000	
ADR125AUJZ-REEL7	ADR125AUJZ-REEL7CT-ND	Precision Volt. Ref. 5V* **NEW!**	TSOT-23-6	1.93	1.54	1.16
ADR125AUJZ-REEL7	ADR125AUJZ-REEL7TR-ND	Precision Volt. Ref. 5V* **NEW!**	TSOT-23-6		2958.00/3,000	
ADR127AUJZ-REEL7	ADR127AUJZ-REEL7CT-ND	Precision Volt. Ref. 1.25V* **NEW!**	TSOT-23-6	1.93	1.54	1.16
ADR127AUJZ-REEL7	ADR127AUJZ-REEL7TR-ND	Precision Volt. Ref. 1.25V* **NEW!**	TSOT-23-6		2958.00/3,000	
ADR280AKS-R2	ADR280AKS-R2CT-ND	Voltage Reference High PSRR 1.2V	SC70	2.33	1.86	1.40
ADR280AKS-R2	ADR280AKS-R2TR-ND	Voltage Reference High PSRR 1.2V	SC70		325.50/250	
ADR280AKSZ-REEL7	ADR280AKSZ-REEL7CT-ND	Voltage Ref. High PSRR 1.2V* **NEW!**	SC70	1.70	1.36	1.02
ADR280AKSZ-REEL7	ADR280AKSZ-REEL7TR-ND	Voltage Ref. High PSRR 1.2V* **NEW!**	SC70		2610.00/3,000	
ADR280ART-R2	ADR280ART-R2CT-ND	Voltage Reference High PSRR 1.2V	SOT-23	2.33	1.86	1.40
ADR280ART-R2	ADR280ART-R2TR-ND	Voltage Reference High PSRR 1.2V	SOT-23		325.50/250	
ADR280ARTZ-REEL7	ADR280ARTZ-REEL7CT-ND	Voltage Ref. High PSRR 1.2V* **NEW!**	SOT-23	1.70	1.36	1.02
ADR280ARTZ-REEL7	ADR280ARTZ-REEL7TR-ND	Voltage Ref. High PSRR 1.2V* **NEW!**	SOT-23		2610.00/3,000	
ADR291ERZ	ADR291ERZ-ND	Precision Voltage Ref. 2.5V, 5mA Out*	8-SOIC	14.26	12.84	11.39
ADR291FRZ	ADR291FRZ-ND	Precision Voltage Ref. 2.5V, 5mA Out*	8-SOIC	8.60	6.88	5.81
ADR291GR	ADR291GR-ND	Precision Voltage Ref. 2.5V, 5mA Out	8-SOIC	5.78	4.63	3.91
ADR291GRZ	ADR291GRZ-ND	Precision Voltage Ref. 2.5V, 5mA Out*	8-SOIC	5.78	4.63	3.91
ADR292ERZ	ADR292ERZ-ND	Precision Voltage Ref. 4.096V, 5mA*	8-SOIC	14.26	12.84	11.39
ADR292GRZ	ADR292GRZ-ND	Precision Voltage Ref. 4.096V, 5mA*	8-SOIC	5.78	4.63	3.91
ADR292GRUZ	ADR292GRUZ-ND	Precision Voltage Ref. 4.096V, 5mA*	8-TSSOP	5.47	4.38	3.41
ADR318ARJ-R2	ADR318ARJ-R2CT-ND	Precision Reference Low Drift	SOT-23-5	2.81	2.25	1.75
ADR318ARJ-R2	ADR318ARJ-R2TR-ND	Precision Reference Low Drift	SOT-23-5		415.75/250	
ADR370ART-R2	ADR370ART-R2CT-ND	Precision Ref. Low Power 2.048V	SOT-23	2.81	2.25	1.75
ADR370ART-R2	ADR370ART-R2TR-ND	Precision Ref. Low Power 2.048V	SOT-23		415.75/250	
ADR370BRT-R2	ADR370BRT-R2CT-ND	Precision Ref. Low Power 2.048V	SOT-23	3.71	2.97	2.31
ADR370BRT-R2	ADR370BRT-R2TR-ND	Precision Ref. Low Power 2.048V	SOT-23		548.75/250	
ADR381ARTZ-REEL7	ADR381ARTZ-REEL7CT-ND	Precision Volt. Ref. 2.5V Low Drift*	SOT-23	1.93	1.54	1.16
ADR381ARTZ-REEL7	ADR381ARTZ-REEL7TR-ND	Precision Volt. Ref. 2.5V Low Drift*	SOT-23		2958.00/3,000	
ADR390AUJZ-REEL7	ADR390AUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 2.048V*	TSOT-23-5	1.65	1.32	.99
ADR390AUJZ-REEL7	ADR390AUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 2.048V*	TSOT-23-5		2535.00/3,000	
ADR390BUJZ-REEL7	ADR390BUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 2.048V*	TSOT-23-5	5.60	4.48	3.78
ADR390BUJZ-REEL7	ADR390BUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 2.048V*	TSOT-23-5		10416.00/3,000	
ADR391AUJZ-REEL7	ADR391AUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 2.5V*	TSOT-23-5	1.93	1.54	1.16
ADR391AUJZ-REEL7	ADR391AUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 2.5V*	TSOT-23-5		2958.00/3,000	
ADR391BUJZ-REEL7	ADR391BUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 2.5V*	TSOT-23-5	2.70	2.16	1.62
ADR391BUJZ-REEL7	ADR391BUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 2.5V*	TSOT-23-5		4536.00/3,000	
ADR392AUJZ-REEL7	ADR392AUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 4.096V*	TSOT-23-5	1.65	1.32	.99
ADR392AUJZ-REEL7	ADR392AUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 4.096V*	TSOT-23-5		2535.00/3,000	
ADR392BUJZ-REEL7	ADR392BUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 4.096V*	TSOT-23-5	5.60	4.48	3.78
ADR392BUJZ-REEL7	ADR392BUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 4.096V*	TSOT-23-5		10416.00/3,000	
ADR395AUJZ-REEL7	ADR395AUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 5V*	TSOT-23-5	1.65	1.32	.99
ADR395AUJZ-REEL7	ADR395AUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 5V*	TSOT-23-5		2535.00/3,000	
ADR395BUJZ-REEL7	ADR395BUJZREEL7CT-ND	Micropower, LN Precision Voltage Reference 5V*	TSOT-23-5	2.70	2.16	1.68
ADR395BUJZ-REEL7	ADR395BUJZREEL7TR-ND	Micropower, LN Precision Voltage Reference 5V*	TSOT-23-5		4536.00/3,000	
ADR420BR	ADR420BR-ND	Precision Voltage Ref. 2.048V, 10mA	8-SOIC	8.33	7.50	6.65
ADR420BRZ	ADR420BRZ-ND	Prec. Voltage Ref. 2.048V, 10mA*	8-SOIC	8.33	7.50	6.65
ADR421ARZ	ADR421ARZ-ND	Prec. Reference Low Noise 2.50V*	8-SOIC	5.62	4.50	3.80
ADR421ARMZ	ADR421ARMZ-ND	Prec. Reference Low Noise 2.50V*	8-MSOP	5.62	4.50	3.80
ADR421BRZ	ADR421BRZ-ND	Prec. Reference Low Noise 2.50V*	8-SOIC	8.33	7.50	6.65
ADR423AR	ADR423AR-ND	Precision Voltage Ref. 5V, 10mA Out	8-SOIC	5.62	4.50	3.80
ADR423ARZ	ADR423ARZ-ND	Precision Voltage Ref. 3V, 10mA Out*	8-SOIC	5.62	4.50	3.80
ADR425BRZ	ADR425BRZ-ND	Precision Voltage Ref. 5V, 10mA Out*	8-SOIC	8.33	7.50	6.65
ADR430ARM	ADR430ARM-ND	2V, XFET Voltage Reference	8-MSOP	5.70	4.56	3.85
ADR430ARMZ	ADR430ARMZ-ND	2V, XFET Voltage Reference*	8-MSOP	5.70	4.56	3.85
ADR434AR	ADR434AR-ND	4.096V, 30mA XFET Voltage Ref.	8-SOIC	5.70	4.56	3.85
ADR434ARM	ADR434ARM-ND	4.096V, 30mA XFET Voltage Ref.	8-MSOP	5.70	4.56	3.85
ADR435AR	ADR435AR-ND	5V, 30mA XFET Voltage Reference	8-SOIC	5.70	4.56	3.85
ADR435ARZ	ADR435ARZ-ND	5V, 30mA XFET Voltage Reference*	8-SOIC	5.70	4.56	3.85
ADR435ARM	ADR435ARM-ND	5V, 30mA XFET Voltage Reference	8-MSOP	5.70	4.56	3.85
ADR435ARMZ	ADR435ARMZ-ND	5V, 30mA XFET Voltage Reference*	8-MSOP	5.70	4.56	3.85
ADR439AR	ADR439AR-ND	4.5V, 30mA XFET Voltage Reference	8-SOIC	5.70	4.56	3.85
ADR439ARM	ADR439ARM-ND	4.5V, 30mA XFET Voltage Reference	8-MSOP	5.70	4.56	3.85
ADR510ARTZ-REEL7	ADR510ARTZ-REEL7CT-ND	1V, Precision Reference Shunt*	SOT-23	1.68	1.34	1.01
ADR510ARTZ-REEL7	ADR510ARTZ-REEL7TR-ND	1V, Precision Reference Shunt*	SOT-23		2574.00/3,000	
ADR512ART-R2	ADR512ART-R2CT-ND	1.2V, Precision Reference Shunt	SOT-23	2.43	1.95	1.52
ADR512ART-R2	ADR512ART-R2TR-ND	1.2V, Precision Reference Shunt	SOT-23		359.00/250	
ADR520ARTZ-REEL7	ADR520ARTZ-REEL7CT-ND	Voltage Reference Shunt 2.048V*	SOT-23	1.11	.93	.74
ADR520ARTZ-REEL7	ADR520ARTZ-REEL7TR-ND	Voltage Reference Shunt 2.048V*	SOT-23		1443.00/3,000	
ADR520BKS-R2	ADR520BKS-R2CT-ND	Voltage Reference Shunt 2.048V	SC-70	2.43	1.94	1.46
ADR520BKS-R2	ADR520BKS-R2TR-ND	Voltage Reference Shunt 2.048V	SC-70		290.50/250	
ADR520BRT-R2	ADR520BRT-R2CT-ND	Voltage Reference Shunt 2.048V	SOT-23	2.23	1.78	1.34
ADR520BRT-R2	ADR520BRT-R2TR-ND	Voltage Reference Shunt 2.048V	SOT-23		269.50/250	
ADR525ART-R2	ADR525ART-R2CT-ND	Voltage Reference Shunt 2.5V	SOT-23	1.44	1.20	.96
ADR525ART-R2	ADR525ART-R2TR-ND	Voltage Reference Shunt 2.5V	SOT-23		153.75/250	
ADR525BKS-R2	ADR525BKS-R2CT-ND	Voltage Reference Shunt 2.5V	SC-70	2.43	1.94	1.46
ADR525BKS-R2	ADR525BKS-R2TR-ND	Voltage Reference Shunt 2.5V	SC-70		290.50/250	
ADR525BRT-R2	ADR525BRT-R2CT-ND	Voltage Reference Shunt 2.5V	SOT-23	2.23	1.78	1.34
ADR525BRT-R2	ADR525BRT-R2TR-ND	Voltage Reference Shunt 2.5V	SOT-23		269.50/250	
ADR530ART-R2	ADR530ART-R2CT-ND	Voltage Reference Shunt 3.0V	SOT-23	1.44	1.20	.96
ADR530ART-R2	ADR530ART-R2TR-ND	Voltage Reference Shunt 3.0V	SOT-23		153.75/250	
ADR530BKS-R2	ADR530BKS-R2CT-ND	Voltage Reference Shunt 3.0V	SC-70	2.43	1.94	1.46
ADR530BKS-R2	ADR530BKS-R2TR-ND	Voltage Reference Shunt 3.0V	SC-70		339.50/250	
ADR530BRT-R2	ADR530BRT-R2CT-ND	Voltage Reference Shunt 3.0V	SOT-23	2.23	1.78	1.34
ADR530BRT-R2	ADR530BRT-R2TR-ND	Voltage Reference Shunt 3.0V	SOT-23		269.50/250	
ADR540ART-R2	ADR540ART-R2CT-ND	Voltage Reference Shunt 4.096V	SOT-23	1.44	1.20	.96
ADR540ART-R2	ADR540ART-R2TR-ND	Voltage Reference Shunt 4.096V	SOT-23		153.75/250	
ADR540BKS-R2	ADR540BKS-R2CT-ND	Voltage Reference Shunt 4.096V	SC-70	2.43	1.94	1.46
ADR540BKS-R2	ADR540BKS-R2TR-ND	Voltage Reference Shunt 4.096V	SC-70		290.50/250	
ADR540BRT-R2	ADR540BRT-R2CT-ND	Voltage Reference Shunt 4.096V	SOT-23	2.23	1.78	1.34
ADR540BRT-R2	ADR540BRT-R2TR-ND	Voltage Reference Shunt 4.096V	SOT-23		269.50/250	
ADR550ART-R2	ADR550ART-R2CT-ND	Voltage Reference Shunt 5.0V	SOT-23	1.44	1.20	.96
ADR550ART-R2	ADR550ART-R2TR-ND	Voltage Reference Shunt 5.0V	SOT-23		153.75/250	
ADR550BKS-R2	ADR550BKS-R2CT-ND	Voltage Reference Shunt 5.0V	SC-70	2.43	1.94	1.46
ADR550BKS-R2	ADR550BKS-R2TR-ND	Voltage Reference Shunt 5.0V	SC-70		290.50/250	
ADR550BRT-R2	ADR550BRT-R2CT-ND	Voltage Reference Shunt 5.0V	SOT-23	2.23	1.78	1.34
ADR550BRT-R2	ADR550BRT-R2TR-ND	Voltage Reference Shunt 5.0V	SOT-23		269.50/250	
REF01CP	REF01CP-ND	Precision Voltage Reference 10V	8-Dip	2.34	1.88	1.46
REF01CPZ	REF01CPZ-ND	Precision Voltage Reference 10V*	8-Dip	2.48	1.98	1.49
REF01CSZ	REF01CSZ-ND	Precision Voltage Reference 10V*	8-SOIC	2.38	1.90	1.43
REF01EJ	REF01EJ-ND	Precision Voltage Reference 10V	TO-99	15.09	14.09	13.08
REF01EZ	REF01EZ-ND	Precision Voltage Reference 10V*	8-CDip	8.58	7.73	6.85
REF01HP	REF01HP-ND	Precision Voltage Reference 10V	8-Dip	3.58	2.87	2.23
REF01HPZ	REF01HPZ-ND	Precision Voltage Reference 10V*	8-Dip	3.40	2.72	2.12
REF02AZ	REF02AZ-ND	Prec. Volt. Ref./Temp. 5V Transducer*	8-CDip	27.09	25.29	23.48
REF02CPZ	REF02CPZ-ND	Precision Voltage Reference 5V*	8-Dip	2.48	1.96	1.49
REF02CS	REF02CS-ND	Precision Voltage Reference 5V	8-SOIC	2.25	1.80	1.40
REF02CS-REEL7	REF02CS-REEL7CT-ND	Precision Voltage Reference 5V	8-SOIC	2.25	1.80	1.40
REF02CS-REEL7	REF02CS-REEL7TR-ND	Precision Voltage Reference 5V	8-SOIC		1275.00/1,000	
REF02CSZ	REF02CSZ-ND	Precision Voltage Reference 5V*	8-SOIC	2.38	1.90	1.43
REF02EZ	REF02EZADI-ND	Precision Voltage Reference 5V*	8-CDip	8.93	8.04	7.13
REF02HPZ	REF02HPZ-ND	Precision Voltage Reference 5V*	8-Dip	3.40	2.72	2.12
REF03GP	REF03GP-ND	Precision Voltage Reference 2.5V	8-Dip	2.48	1.98	1.49
REF03GPZ	REF03GPZ-ND	Precision Voltage Reference 2.5V*	8-Dip	2.48	1.98	1.49
REF03GSZ	REF03GSZ-ND	Precision Voltage Reference 2.5V*	8-SOIC	2.38	1.90	1.43
REF43FZ	REF43FZ-ND	Precision Voltage Reference LP 2.5V*	8-CDip	13.31	11.99	10.63
REF43GPZ	REF43GPZ-ND	Precision Voltage Reference LP 2.5V*	8-Dip	6.70	5.36	4.53
REF43GS	REF43GS-ND	Precision Voltage Reference LP 2.5V*	8-SOIC	6.70	5.36	4.53
REF43GSZ	REF43GSZ-ND	Precision Voltage Reference LP 2.5V*	8-SOIC	6.70	5.36	4.53
REF43GZ	REF43GZ-ND	Precision Voltage Reference LP 2.5V*	8-CDip	6.32	5.06	4.27
REF191ESZ	REF191ESZ-ND	Voltage Reference LDO 2.048V*	8-SOIC	4.37	3.50	2.72
REF191GSZ	REF191GSZ-ND	Voltage Reference LDO 2.048V*	8-SOIC	2.43	1.95	1.52
REF192ESZ	REF192ESZ-ND	Voltage Reference LDO 2.5V*	8-SOIC	4.37	3.50	2.72
REF192FSZ	REF192FSZ-ND	Voltage Reference LDO 2.5V*	8-SOIC	3.40	2.72	2.12
REF192GRUZ-REEL7	REF192GRUZREEL7CT-ND	Voltage Reference LDO 2.5V*	8-TSSOP	3.83	3.06	2.38
REF192GRUZ-REEL7	REF192GRUZREEL7TR-ND	Voltage Reference LDO 2.5V*	8-TSSOP		2168.00/1,000	
REF192GSZ	REF192GSZ-ND	Voltage Reference LDO 2.5V*	8-SOIC	2.43	1.95	1.52
REF193GSZ	REF193GSZ-ND	Voltage Reference LDO 3V*	8-SOIC	2.43	1.95	1.52
REF194ESZ	REF194ESZ-ND	Voltage Reference LDO 4.5V*	8-SOIC	4.37	3.50	2.72
REF194GP	REF194GP-ND	Voltage Reference LDO 4.5V	8-Dip	2.43	1.95	1.52
REF194GS	REF194GS-ND	Voltage Reference LDO 4.5V	8-SOIC	2.43	1.95	1.52
REF195ESZ	REF195ESZ-ND	Voltage Reference LDO 5V*	8-SOIC	4.37	3.50	2.72
REF195FSZ	REF195FSZ-ND	Voltage Reference LDO 5V*	8-SOIC	3.40	2.72	2.12
REF195FS-REEL7	REF195FS-REEL7CT-ND	Voltage Reference LDO 5V*	8-SOIC	4.55	3.64	2.83
REF195FS-REEL	REF195FS-REELTR-ND	Voltage Reference LDO 5V	8-SOIC		4757.50/2,500	
REF195GP	REF195GP-ND	Voltage Reference LDO 5V	8-Dip	2.43	1.95	1.52
REF195GPZ	REF195GPZ-ND	Voltage Reference LDO 5V*	8-Dip	2.43	1.95	1.52
REF195GSZ	REF195GSZ-ND	Voltage Reference LDO 5V*	8-SOIC	2.43	1.95	1.52
REF196GSZ	REF196GSZ-ND	Voltage Reference LDO 3.3V*	8-SOIC	2.43	1.95	1.52
REF198ESZ	REF198ESZ-ND	Voltage Reference LDO 4.096V*	8-SOIC	4.37	3.50	2.72
REF198FS	REF198FS-ND	Voltage Reference LDO 4.096V	8-SOIC	3.40	2.72	2.12
REF198FSZ	REF198FSZ-ND	Voltage Reference LDO 4.096V*	8-SOIC	3.40	2.72	2.12
REF198GP	REF198GP-ND	Voltage Reference LDO 4.096V	8-Dip	2.43	1.95	1.52
REF198GSZ	REF198GSZ-ND	Voltage Reference LDO 4.096V*	8-SOIC	2.43	1.95	1.52

ANALOG DEVICES — WAVEFORM GENERATORS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Sine/Tri/Square Waves						
AD5930YRUZ	AD5930YRUZ-ND	Prog. Frequency Sweep/Output Burst Waveform Generator*	20-TSSOP	12.81	11.54	10.23
AD5932YRUZ	AD5932YRUZ-ND	Prog. Single-Scan Waveform Generator*	16-TSSOP	8.33	7.50	6.65
AD5933YRSZ	AD5933YRSZ-ND	1MSPS, 12-Bit Impedance Converter, Network Analyzer* **NEW!**	16-SSOP	24.95	23.29	21.62
EVAL-AD5933EB	EVAL-AD5933EB-ND	Evaluation Board for AD5933 **NEW!**	—	168.75	—	—
AD5934YRSZ	AD5934YRSZ-ND	250KSPS, 12-Bit Impedance Converter, Network Analyzer* **NEW!**	16-SSOP	16.32	15.24	14.15
EVAL-AD5934EB	EVAL-AD5934EB-ND	Evaluation Board for AD5934 **NEW!**	—	168.75	—	—
AD9833BRM	AD9833BRM-ND	Prog. Waveform Generator	10-MSOP	9.30	7.44	6.28
AD9833BRMZ	AD9833BRMZ-ND	Prog. Waveform Generator*	10-MSOP	9.30	7.44	6.28
AD9834BRU	AD9834BRU-ND	Complete DDS 2.3V, 50MHz	20-TSSOP	9.70	8.73	7.75
AD9834BRUZ	AD9834BRUZ-ND	Complete DDS 2.3V, 50MHz*	20-TSSOP	9.70	8.73	7.75

* RoHS Compliant

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ANALOG DEVICES — SENSOR/SIGNAL CONDITIONING

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Energy Measurement						
ADE7752AR	ADE7752AR-ND	Energy Metering Detector	24-SOIC	8.76	7.01	5.92
ADE7752ARZ	ADE7752ARZ-ND	Energy Metering Detector*	24-SOIC	8.76	7.01	5.92
EVAL-ADE7752EB	EVAL-ADE7752EB-ND	Evaluation Board for ADE7752 ***NEW!***	—	292.50	—	—
ADE7753ARS	ADE7753ARS-ND	Energy Metering Detector	20-SSOP	5.58	4.47	3.77
EVAL-ADE7753EB	EVAL-ADE7753EB-ND	Evaluation Board for ADE7753 ***NEW!***	—	195.00	—	—
ADE7754ARZ	ADE7754ARZ-ND	Energy Meter with Serial*	24-SOIC	9.30	8.37	7.43
ADE7757ARNZ	ADE7757ARNZ-ND	Energy Metering*	16-SOIC	3.22	2.58	2.01
ADE7758ARWZ	ADE7758ARWZ-ND	Energy Metering*	24-SOIC	12.50	11.25	9.98
EVAL-ADE7758EB	EVAL-ADE7758EB-ND	Evaluation Board for ADE7758 ***NEW!***	—	292.50	—	—
ADE7759ARS	ADE7759ARS-ND	Energy Meter with Sensor Interface	20-SSOP	5.04	4.04	3.41
EVAL-ADE7759EB	EVAL-ADE7759EB-ND	Evaluation Board for ADE7759 ***NEW!***	—	187.50	—	—
ADE7760ARS	ADE7760ARS-ND	Energy Meter with On-Chip Fault Detection	20-SSOP	4.66	3.73	2.90
ADE7761ARS	ADE7761ARS-ND	Energy Meter with On-Chip Fault Detection	20-SSOP	6.68	5.35	4.51
EVAL-ADE7763EB	EVAL-ADE7763EB-ND	Evaluation Board for ADE7763	—	225.00	—	—
Capacitance Measurement						
AD7745ARUZ	AD7745ARUZ-ND	24-Bit Capacitance-to-Digital Converter with Temperature Sensor*	16-TSSOP	9.00	8.10	7.19
Temperature						
AD590JF	AD590JF-ND	Temperature Transducer 2-Terminal	Flatpack	14.38	12.95	11.48
AD590JH	AD590JH-ND	Temperature Transducer 2-Terminal	TO-52	7.10	5.68	4.80
AD590KF	AD590KF-ND	Temperature Transducer 2-Terminal	Flatpack	15.71	14.15	12.55
AD590KH	AD590KH-ND	Temperature Transducer 2-Terminal	TO-52	8.95	8.06	7.15
AD590LF	AD590LF-ND	Temperature Transducer 2-Terminal	Flatpack	35.19	32.95	30.50
AD590LH	AD590LH-ND	Temperature Transducer 2-Terminal	TO-52	17.93	16.73	15.54
AD590MF	AD590MF-ND	Temperature Transducer 2-Terminal	Flatpack	64.65	60.34	56.03
AD590MH	AD590MH-ND	Temperature Transducer 2-Terminal	TO-52	42.65	39.51	36.96
AD592AN	AD592AN-ND	Temperature Transducer 2-Terminal	TO-92	4.28	3.42	2.66
AD592ANZ	AD592ANZ-ND	Temperature Transducer 2-Terminal*	TO-92	4.28	3.42	2.66
AD592BN	AD592BN-ND	Temperature Transducer 2-Terminal	TO-92	9.85	8.87	7.87
AD592BNZ	AD592BNZ-ND	Temperature Transducer 2-Terminal*	TO-92	9.85	8.87	7.87
AD592CN	AD592CN-ND	Temperature Transducer 2-Terminal	TO-92	13.13	11.82	10.49
AD592CNZ	AD592CNZ-ND	Temperature Transducer 2-Terminal*	TO-92	13.13	11.82	10.49
AD594AQ	AD594AQ-ND	Thermocouple Amp with Comp	14-Dip	10.43	9.39	8.33
AD594CQ	AD594CQ-ND	Thermocouple Amp with Comp	14-Dip	16.98	15.85	14.72
AD595AQ	AD595AQ-ND	Thermocouple Amp with Comp	14-Dip	10.43	9.39	8.33
AD595CQ	AD595CQ-ND	Thermocouple Amp with Comp	14-Dip	16.98	15.85	14.72
AD596AH	AD596AH-ND	Thermocouple Conditioning	TO-100	11.60	10.44	9.26
AD597AH	AD597AH-ND	Thermocouple Conditioning	TO-100	11.60	10.44	9.26
AD597AR	AD597AR-ND	Thermocouple Conditioning	8-SOIC	5.16	4.13	3.49
AD597ARZ	AD597ARZ-ND	Thermocouple Conditioning*	8-SOIC	5.16	4.13	3.49
AD22100AKRZ	AD22100AKRZ-ND	Temperature Sensor Voltage Out*	8-SOIC	5.78	4.63	3.91
AD22100AT	AD22100AT-ND	Temperature Sensor Voltage Out*	TO-92	5.26	4.21	3.56
AD22100ATZ	AD22100ATZ-ND	Temperature Sensor Voltage Out*	TO-92	5.26	4.21	3.56
AD22100KRZ	AD22100KRZ-ND	Temperature Sensor Voltage Out*	8-SOIC	3.94	3.15	2.45
AD22100KTZ	AD22100KTZ-ND	Temperature Sensor Voltage Out*	TO-92	3.49	2.79	2.17
AD22100SRZ	AD22100SRZ-ND	Temperature Sensor Voltage Out*	8-SOIC	6.36	5.09	4.30
AD22100ST	AD22100ST-ND	Temperature Sensor Voltage Out*	TO-92	5.78	4.63	3.91
AD22100STZ	AD22100STZ-ND	Temperature Sensor Voltage Out*	TO-92	5.78	4.63	3.91
AD22105ARZ	AD22105ARZ-ND	Thermostatic Switch Solid State*	8-SOIC	3.08	2.47	1.92
AD7414ARM-0REEL7	AD7414ARM0REEL7CT-ND	Temperature Sensor 10-Bit Digital	8-MSOP	2.59	2.07	1.61
AD7414ARM-0REEL7	AD7414ARM0REEL7TR-ND	Temperature Sensor 10-Bit Digital	8-MSOP		1466.00/1,000	
AD7414ARM-1REEL7	AD7414ARM1REEL7CT-ND	Temperature Sensor 10-Bit Digital	8-MSOP	2.59	2.07	1.61
AD7414ARM-1REEL7	AD7414ARM1REEL7TR-ND	Temperature Sensor 10-Bit Digital	8-MSOP		1466.00/1,000	
AD7414ART-0REEL7	AD7414ART0REEL7CT-ND	Temperature Sensor 10-Bit	SOT-23-6	2.35	1.88	1.41
AD7414ART-0REEL7	AD7414ART0REEL7TR-ND	Temperature Sensor 10-Bit	SOT-23-6		3609.00/3,000	
AD7414ART-1REEL7	AD7414ART1REEL7CT-ND	Temperature Sensor 10-Bit	SOT-23-6	2.35	1.88	1.41
AD7414ART-1REEL7	AD7414ART1REEL7TR-ND	Temperature Sensor 10-Bit	SOT-23-6		3609.00/3,000	
AD7414ARTZ-0500RL7	AD7414ART2O500RCT-ND	Temperature Sensor 10-Bit*	SOT-23-6	2.30	1.84	1.43
AD7414ARTZ-0500RL7	AD7414ART2O500RTR-ND	Temperature Sensor 10-Bit*	SOT-23-6		663.00/500	
AD7415ARTZ-0500RL7	AD7415ART2-0500RLTCR-ND	Temperature Sensor 10-Bit*	SOT-23-6	2.30	1.84	1.43
AD7415ARTZ-0500RL7	AD7415ART2-0500RLTTR-ND	Temperature Sensor 10-Bit*	SOT-23-6		663.00/500	
AD7416AR	AD7416AR-ND	Temperature Sensor 10-Bit	8-SOIC	2.34	1.88	1.46
AD7416ARM	AD7416ARM-ND	Temperature Sensor 10-Bit	8-MSOP	2.34	1.88	1.46
AD7416ARMZ	AD7416ARMZ-ND	Temperature Sensor 10-Bit*	8-MSOP	2.34	1.88	1.46
AD7417ARZ	AD7417ARZ-ND	Temperature Sensor 10-Bit and Four 1-Channel ADCs*	16-SOIC	6.30	5.04	4.26
AD7417ARU	AD7417ARU-ND	Temperature Sensor 10-Bit and Four 1-Channel ADCs	16-TSSOP	6.30	5.04	4.26
AD7417ARUZ	AD7417ARUZ-ND	Temperature Sensor 10-Bit and Four 1-Channel ADCs*	16-TSSOP	6.30	5.04	4.26
AD7418ARMZ	AD7418ARMZ-ND	Temperature Sensor 10-Bit and Four 1-Channel ADCs*	8-MSOP	5.30	4.24	3.58
AD7418ARZ	AD7418ARZ-ND	Temperature Sensor 10-Bit and Four 1-Channel ADCs*	8-SOIC	5.30	4.24	3.58
AD7814ARM	AD7814ARM-ND	Digital Temperature Sensor 10-Bit	8-MSOP	2.48	1.98	1.54
AD7814ARMZ	AD7814ARMZ-ND	Digital Temperature Sensor 10-Bit*	8-MSOP	2.48	1.98	1.54
AD7814ART-REEL7	AD7814ART-REEL7CT-ND	Digital Temperature Sensor 10-Bit	SOT-23-6	2.25	1.80	1.35
AD7814ART-REEL7	AD7814ART-REEL7TR-ND	Digital Temperature Sensor 10-Bit	SOT-23-6		3456.00/3,000	
AD7814ARTZ-500RL7	AD7814ART2500RLCT-ND	Digital Temperature Sensor 10-Bit*	SOT-23-6	2.25	1.80	1.40
AD7814ARTZ-500RL7	AD7814ART2500RLTR-ND	Digital Temperature Sensor 10-Bit*	SOT-23-6		650.00/500	
AD7814ARTZ-REEL7	AD7814ART2-REEL7CT-ND	Digital Temperature Sensor 10-Bit* ***NEW!***	SOT-23-6	2.25	1.80	1.35
AD7814ARTZ-REEL7	AD7814ART2-REEL7TR-ND	Digital Temperature Sensor 10-Bit* ***NEW!***	SOT-23-6		3456.00/3,000	
AD22103KT	AD22103KT-ND	Temp. Sensor 3.3V Signal Conditioning	TO-92	2.86	2.29	1.78
AD22103KTZ	AD22103KTZ-ND	Temp. Sensor 3.3V Signal Conditioning*	TO-92	2.86	2.29	1.78
AD22151YR	AD22151YR-ND	Magnetic Field Sensor Linear	8-SOIC	4.79	3.84	2.99
AD22151YRZ	AD22151YRZ-ND	Magnetic Field Sensor Linear*	8-SOIC	4.79	3.84	2.99
ADM1021AARQZ	ADM1021AARQZ-ND	Digital Thermometer 2-Channel*	16-QSOP	7.90	6.32	5.34
ADM1022ARQ	ADM1022ARQ-ND	Sensor Temp /Detector 3/5.5V	16-QSOP	7.50	6.00	5.07
ADM1024ARUZ	ADM1024ARUZ-ND	Monitor System Temp /Volt.*	24-TSSOP	7.50	6.00	5.07
EVAL-ADM1024EB	EVAL-ADM1024EB-ND	Evaluation Board for ADM1024 ***NEW!***	—	128.70	—	—
ADT7408CCP2-REEL7	ADT7408CCP2-REEL7CT-ND	Digital Temp. Sensor 12-Bit* ***NEW!***	8-LFCSP	1.95	1.56	1.17
ADT7408CCP2-REEL7	ADT7408CCP2-REEL7TR-ND	Digital Temp. Sensor 12-Bit* ***NEW!***	8-LFCSP		1521.00/1,500	
ADT7461AARMZ	ADT7461AARMZ-ND	Temperature Monitor with Series Resistance Cancellation* ***NEW!***	8-MSOP	5.00	4.00	3.38
ADT7519ARQZ	ADT7519ARQZ-ND	SPI/I2C Compatible, Temp Sensor, 4-Ch. ADC and Quad Volt. DAC*	16-QSOP	7.38	5.91	4.99
ADT7461ARMZ	ADT7461ARMZ-ND	Temperature Monitor with Series Resistance Cancellation*	8-MSOP	3.50	2.80	2.36
ADT7461ARMZ-REEL7	ADT7461ARMZ-REEL7CT-ND	Temperature Monitor with Series Resistance Cancellation* ***NEW!***	8-MSOP	3.50	2.80	2.36
ADT7461ARMZ-REEL7	ADT7461ARMZ-REEL7TR-ND	Temperature Monitor with Series Resistance Cancellation* ***NEW!***	8-MSOP		1521.00/1,500	

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TMP01ESZ	TMP01ESZ-ND	Temperature Sensor/Controller*	8-SOIC	8.38	6.71	5.66
TMP01FPZ	TMP01FPZ-ND	Temperature Sensor/Controller*	8-Dip	5.10	4.08	3.45
TMP01FSZ	TMP01FSZ-ND	Temperature Sensor/Controller*	8-SOIC	5.13	4.11	3.20
TMP03FT9Z	TMP03FT9Z-ND	Thermometer Serial Digital Out* ***NEW!***	TO-92	5.60	4.48	3.78
TMP04FSZ	TMP04FSZ-ND	Temperature Sensor/Serial*	8-SOIC	5.60	4.48	3.78
TMP04FS-REEL	TMP04FS-REELCT-ND	Temperature Sensor/Serial	8-SOIC	5.60	4.48	3.78
TMP04FS-REEL	TMP04FS-REELTR-ND	Temperature Sensor/Serial	8-SOIC		8680.00/2,500	
TMP04FSZ-REEL	TMP04FSZ-REELCT-ND	Temperature Sensor/Serial*	8-SOIC	5.60	4.48	3.78
TMP04FSZ-REEL	TMP04FSZ-REELTR-ND	Temperature Sensor/Serial*	8-SOIC		8680.00/2,500	
TMP04FT9	TMP04FT9-ND	Temperature Sensor/Serial*	TO-92	5.60	4.48	3.78
TMP04FT9Z	TMP04FT9Z-ND	Temperature Sensor/Serial*	TO-92	5.60	4.48	3.78
TMP05AKSZ-500RL7	TMP05AKSZ-500RL7CT-ND	Temperature Sensor PWM*	SC70-5	2.32	1.86	1.45
TMP05AKSZ-500RL7	TMP05AKSZ-500RL7TR-ND	Temperature Sensor PWM*	SC70-5		669.50/500	
TMP05ART2-500RL7	TMP05ART2-500RL7CT-ND	Temperature Sensor PWM*	SOT-23-5	2.32	1.86	1.45
TMP05ART2-500RL7	TMP05ART2-500RL7TR-ND	Temperature Sensor PWM*	SOT-23-5		669.50/500	
TMP05BKSZ-500RL7	TMP05BKSZ-500RL7CT-ND	Temperature Sensor PWM*	SC70-5	3.31	2.65	2.06
TMP05BKSZ-500RL7	TMP05BKSZ-500RL7TR-ND	Temperature Sensor PWM*	SC70-5		955.50/500	
TMP05BRT2-500RL7	TMP05BRT2-500RL7CT-ND	Temperature Sensor PWM*	SOT-23-5	3.31	2.65	2.06
TMP05BRT2-500RL7	TMP05BRT2-500RL7TR-ND	Temperature Sensor PWM*	SOT-23-5		955.50/500	
TMP06AKSZ-500RL7	TMP06AKSZ-500RL7CT-ND	Temperature Sensor PWM*	SC70-5	2.32	1.86	1.45
TMP06AKSZ-500RL7	TMP06AKSZ-500RL7TR-ND	Temperature Sensor PWM*	SC70-5		669.50/500	
TMP06ART2-500RL7	TMP06ART2-500RL7CT-ND	Temperature Sensor PWM*	SOT-23-5	2.32	1.86	1.45
TMP06ART2-500RL7	TMP06ART2-500RL7TR-ND	Temperature Sensor PWM*	SOT-23-5		669.50/500	
TMP06BKSZ-500RL7	TMP06BKSZ-500RL7CT-ND	Temperature Sensor PWM*	SC70-5	3.31	2.65	2.06
TMP06BKSZ-500RL7	TMP06BKSZ-500RL7TR-ND	Temperature Sensor PWM*	SC70-5		955.50/500	
TMP06BRT2-500RL7	TMP06BRT2-500RL7CT-ND	Temperature Sensor PWM*	SOT-23-5	3.31	2.65	2.06
TMP06BRT2-500RL7	TMP06BRT2-500RL7TR-ND	Temperature Sensor PWM*	SOT-23-5		955.50/500	
TMP12FS	TMP12FS-ND	Temperature Sensor/Airflow	8-SOIC	4.48	3.59	2.79
TMP35GRT-REEL7	TMP35GRT-REEL7CT-ND	Temperature Sensor 2.7/5.5V	SOT-23-5	1.20	1.00	.80
TMP35GRT-REEL7	TMP35GRT-REEL7TR-ND	Temperature Sensor 2.7/5.5V	SOT-23-5		1560.00/3,000	
TMP35GT9	TMP35GT9-ND	Temperature Sensor 2.7/5.5V	TO-92	1.20	1.00	.80
TMP36FSZ	TMP36FSZ-ND	Temperature Sensor 2.7/5.5V*	8-SOIC	1.45	1.16	.87
TMP36FS-REEL	TMP36FS-REELCT-ND	Temperature Sensor 2.7/5.5V	8-SOIC	1.45	1.16	.87
TMP36FS-REEL	TMP36FS-REELTR-ND	Temperature Sensor 2.7/5.5V	8-SOIC		1855.00/2,500	
TMP36GSZ-ND	TMP36GSZ-ND	Temperature Sensor 2.7/5.5V*	8-SOIC	1.20	1.00	.80
TMP36GT9Z	TMP36GT9Z-ND	Temperature Sensor 2.7/5.5V*	TO-92	1.20	1.00	.80
Transmitter						
AD693AD	AD693AD-ND	Signal Conditioning 4-20mA Transmitter	20-Dip	24.05	22.45	20.84
AD693AQ	AD693AQ-ND	Signal Conditioning 4-20mA Transmitter	20-Dip	15.78	14.21	12.60
AD694AQ	AD694AQ-ND	Signal Conditioning 4-20mA Transmitter	16-CDip	14.78	13.31	11.80
AD694AR	AD694AR-ND	Transmitter 4-20mA	16-SOIC	9.93	8.94	7.93
AD694ARZ	AD694ARZ-ND	Transmitter 4-20mA*	16-SOIC	9.93	8.94	7.93
AD694JN	AD694JN-ND	Transmitter 4-20mA	16-Dip	10.78	9.71	8.61
AD694JNZ	AD694JNZ-ND	Transmitter 4-20mA*	16-Dip	10.78	9.71	8.61

ANALOG DEVICES — SIGNAL PROCESSOR

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD9814JR	AD9814JR-ND	14-Bit CCD/CIS Signal Processor	28-SOIC	15.98	14.39	12.76
AD9821KSTZ	AD9821KSTZ-ND	12-Bit Image Signal Processor*	48-LQFP	16.80	15.68	14.56
AD9822JR	AD9822JR-ND	14-Bit CCD/CIS Signal Processor	28-SOIC	6.94	5.56	4.69
AD9826KRS	AD9826KRS-ND	16-Bit Image Signal Processor	28-SSOP	9.16	8.25	7.32
AD9826KRSZ	AD9826KRSZ-ND	16-Bit Image Signal Processor*	28-SSOP	9.16	8.25	7.32

ANALOG DEVICES — SPECIALIZED IC

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AD246JY	AD246JY-ND	Clock Driver	4-Dip	129.63	120.99	112.35
AD630JN	AD630JN-ND	Mod/Demod Balanced	20-Dip	16.14	14.54	12.89
AD73311AR	AD73311AR-ND	Analog Front End Low Power	20-SOIC	7.84	6.28	5.30
AD73360ASU	AD73360ASU-ND	Analog Front End 6-Channel	44-TQFP	13.73	12.36	10.96
AD73360LAR	AD73360LAR-ND	Analog Front End 6-Channel	28-SOIC	9.10	8.19	7.27
AD73422BB-80	AD73422BB-80-ND	Front End Dual with DSP	119-BGA	35.21	32.86	30.52
AD7401YRWZ	AD7401YRWZ-ND	Isolated Modulator Sigma-Delta* ***NEW!***	16-SOIC	9.42	7.54	6.36
EVAL-AD7401EB	EVAL-AD7401EB-ND	Evaluation Board for AD7401 ***NEW!***	—	56.25	—	—
AD7720BRU	AD7720BRU-ND	Modulator Sigma-Delta	28-TSSOP	15.68	14.12	12.52
AD8383ACPZ	AD8383ACPZ-ND	10-Bit, 6-Channel Decimating LCD DecDriver*	48-LFCSP	8.20	6.56	5.54
AD8384ASVZ	AD8384ASVZ-ND	10-Bit, 6-Channel Decimating LCD DecDriver*	80-TQFP	8.66	7.80	6.92
AD8389ACPZ	AD8389ACPZ-ND	Triple, 6-Channel LCD Timing Delay Locked Loop*	48-LFCSP	3.38	2.70	2.10
AD9856AST	AD9856AST-ND	Quad Digital Up Converter	48-TQFP	23.22	21.68	20.13
AD9856ASTZ	AD9856ASTZ-ND	Quad Digital Up Converter* ***NEW!***	48-TQFP	23.22	21.68	20.13
AD9857ASTZ	AD9857ASTZ-ND	Quad Digital Up Converter*	80-QFP	24.65	23.01	21.36
AD9662ARQZ	AD9662ARQZ-ND	Laser Diode Driver 3-Channel*	16-QSOP	5.36	4.29	3.62
AD966858RZ	AD966858RZ-ND	Ultrafast Comparator*	16-SOIC	5.84	4.68	3.95
ADM1041-EVAL	ADM1041-EVAL-ND	Evaluation Board for ADM1041 ***NEW!***	—	240.00	—	—
ADM1041AARQZ	ADM1041AARQZ-ND	Secondary-Side Controller with Current Share/Housekeeping*	24-QSOP	9.91	8.93	7.92
ADM1041ARQ	ADM1041ARQ-ND	Secondary-Side Controller with Current Share/Housekeeping	24-QSOP	9.91	8.93	7.92
ADM1041ARQZ	ADM1041ARQZ-ND	Secondary-Side Controller with Current Share/Housekeeping*	24-QSOP	9.91	8.93	7.92

ANALOG DEVICES — SUPERVISORY CIRCUITS AND RESET GENERATORS

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADM690AARNZ	ADM690AARNZ-ND	Supervisor MPU 4.65V Watchdog*	8-SOIC	1.44	1.16	.90
ADM690ANZ	ADM690ANZ-ND	Supervisor MPU 4.65V Watchdog*	8-Dip	1.44	1.16	.90
ADM691AAN	ADM691AAN-ND	Supervisor MPU 4.65V, 250mA	16-Dip	1.60	1.28	.96
ADM691AARNZ	ADM691AARNZ-ND	Supervisor MPU 4.65V, 250mA*	16-SOIC	1.44	1.16	.90
ADM691AARWZ	ADM691AARWZ-ND	Supervisor MPU 4.65V, 250mA*	16-SOIC	1.44	1.16	.90

** RoHS Compliant*

(Continued)

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ANALOG DEVICES — SUPERVISORY CIRCUITS AND RESET GENERATORS *(Continued)*

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADM691AARW-REEL	ADM691AARW-REELCT-ND	Supervisor MPU 4.65V, 250mA	16-SOIC	3.87	3.10	2.41
ADM691AARW-REEL	ADM691AARW-REELTR-ND	Supervisor MPU 4.65V, 250mA	16-SOIC		832.00/1,000	
ADM691AN	ADM691AN-ND	Supervisor MPU 4.65V, 100mA	16-Dip	1.60	1.28	.96
ADM691ANZ	ADM691ANZ-ND	Supervisor MPU 4.65V, 100mA*	16-Dip	1.60	1.28	.96
ADM691ARZ	ADM691ARZ-ND	Supervisor MPU 4.65V, 250mA*	16-SOIC	1.44	1.16	.90
ADM691AR-REEL	ADM691AR-REELTR-ND	Supervisor MPU 4.65V, 250mA	16-SOIC		832.00/1,000	
ADM691ARZ-REEL7	ADM691ARZ-REELTR-ND	Supervisor MPU 4.65V, 250mA*	16-SOIC		358.40/400	
ADM692AN	ADM692AN-ND	Supervisor MPU 4.4V, 100mA Watchdog	8-Dip	1.58	1.26	.95
ADM693ANZ	ADM693ANZ-ND	Supervisor MPU 4.4V, 100mA Watchdog*	16-Dip	1.42	1.14	.89
ADM693AR	ADM693AR-ND	Supervisor MPU 4.4V, 100mA Watchdog	16-SOIC	1.58	1.26	.95
ADM693ARZ	ADM693ARZ-ND	Supervisor MPU 4.4V, 100mA Watchdog*	16-SOIC	1.42	1.14	.89
ADM694ANZ	ADM694ANZ-ND -	Supervisor MPU 4.65V, 100mA*	8-Dip	1.37	1.10	.86
ADM695AN	ADM695AN-ND	Supervisor MPU 4.65V, 100mA	16-Dip	1.53	1.22	.92
ADM695AR	ADM695AR-ND	Supervisor MPU 4.65V, 100mA	16-SOIC	1.53	1.22	.92
ADM695ARZ	ADM695ARZ-ND	Supervisor MPU 4.65V, 100mA*	16-SOIC	1.37	1.10	.86
ADM696ARZ	ADM696ARZ-ND	Supervisor MPU 4.65V, 100mA*	16-SOIC	1.33	1.07	.83
ADM699ANZ	ADM699ANZ-ND	Supervisor MPU 4.65V Watchdog*	8-Dip	1.30	1.04	.78
ADM699ARZ	ADM699ARZ-ND	Supervisor MPU 4.65V Watchdog*	16-SOIC	1.23	.98	.74
ADM699AR-REELCT	ADM699AR-REELCT-ND	Supervisor MPU 4.65V Watchdog	16-SOIC	1.47	1.23	.98
ADM699AR-REEL	ADM699AR-REELTR-ND	Supervisor MPU 4.65V Watchdog	16-SOIC		652.00/1,000	
ADM705AN	ADM705AN-ND	Supervisor MPU 4.65V Watchdog	8-Dip	1.32	1.10	.88
ADM705ANZ	ADM705ANZ-ND	Supervisor MPU 4.65V Watchdog* ***NEW!***	8-Dip	2.25	1.80	1.40
ADM705ARZ	ADM705ARZ-ND	Supervisor MPU 4.65V Watchdog*	8-SOIC	1.04	.83	.65
ADM705AR-REEL7	ADM705AR-REELTR-ND	Supervisor MPU 4.65V Watchdog	8-SOIC		612.00/1,000	
ADM706ANZ	ADM706ANZ-ND	Supervisor MPU 4.4V Watchdog*	8-Dip	1.10	.88	.66
ADM706ARZ	ADM706ARZ-ND	Supervisor MPU 4.4V Watchdog*	8-SOIC	.97	.78	.61
ADM706RARZ	ADM706RARZ-ND	Supervisor MPU 2.63V Watchdog*	8-SOIC	.97	.78	.61
ADM706SARZ	ADM706SARZ-ND	Supervisor MPU 2.93V Watchdog*	8-SOIC	.97	.78	.61
ADM706TARZ	ADM706TARZ-ND	Supervisor MPU 3.08V Watchdog*	8-SOIC	.97	.78	.61
ADM707AN	ADM707AN-ND	Supervisor MPU 4.65V Watchdog	8-Dip	1.32	1.10	.88
ADM707ARZ	ADM707ARZ-ND	Supervisor MPU 4.65V Watchdog*	8-SOIC	.97	.78	.61
ADM707AR-REELT	ADM707AR-REELCT-ND	Supervisor MPU 4.65V Watchdog	8-SOIC	2.25	1.80	1.40
ADM707AR-REEL	ADM707AR-REELTR-ND	Supervisor MPU 4.65V Watchdog	8-SOIC		1397.50/2,500	
ADM708AN	ADM708AN-ND	Supervisor MPU 4.4V Watchdog	8-Dip	1.32	1.10	.88
ADM708ARZ	ADM708ARZ-ND	Supervisor MPU 4.4V Watchdog*	8-SOIC	1.08	.86	.65
ADM708RAR	ADM708RAR-ND	Supervisor MPU 2.63V Watchdog	8-SOIC	1.29	1.08	.86
ADM708RARZ	ADM708RARZ-ND	Supervisor MPU 2.63V Watchdog*	8-SOIC	1.08	.86	.65
ADM708SARZ	ADM708SARZ-ND	Supervisor MPU 2.93V Watchdog*	8-SOIC	1.08	.86	.65
ADM708TAR	ADM708TAR-ND	Supervisor MPU 3.08V Watchdog	8-SOIC	1.29	1.08	.86
ADM708TARZ	ADM708TARZ-ND	Supervisor MPU 3.08V Watchdog*	8-SOIC	1.08	.86	.65
ADM709LAN	ADM709LAN-ND	Supervisor MPU 4.65V	8-Dip	1.32	1.10	.88
ADM709LARZ	ADM709LARZ-ND	Supervisor MPU 4.65V*	8-SOIC	.93	.74	.56
ADM809-5SARTL/R7	ADM809-5SARTL/R7CT-ND	Supervisor MPU 2.93V	SOT-23	1.55	1.24	.93
ADM809-5SARTL/R7	ADM809-5SARTL/R7TR-ND	Supervisor MPU 2.93V	SOT-23		2382.00/3,000	
ADM809LARTZ-REEL7	ADM809LARTZ-REEL7CT-ND	Supervisor MPU 4.63V*	SOT-23	1.10	.88	.66
ADM809LARTZ-REEL7	ADM809LARTZ-REEL7TR-ND	Supervisor MPU 4.63V*	SOT-23		614.40/3,000	
ADM809MARTZ-REEL7	ADM809MARTZ-REEL7CT-ND	Supervisor MPU 4.38V*	SOT-23	.40	.32	.24
ADM809MARTZ-REEL7	ADM809MARTZ-REEL7TR-ND	Supervisor Pushpull 4.38V*	SOT-23		614.40/3,000	
ADM809SARTZ-REEL7	ADM809SARTZ-REEL7CT-ND	Supervisor Pushpull 2.93V	SOT-23	.40	.32	.24
ADM809SARTZ-REEL7	ADM809SARTZ-REEL7CT-ND	Supervisor Pushpull 2.93V*	SOT-23	.40	.32	.24
ADM809SARTZ-REEL7	ADM809SARTZ-REEL7TR-ND	Supervisor Pushpull 2.93V*	SOT-23		614.40/3,000	
ADM809TARTZ-REEL7	ADM809TARTZ-REEL7CT-ND	Supervisor Pushpull 3.08V*	SOT-23	.64	.48	.36
ADM809TARTZ-REEL7	ADM809TARTZ-REEL7TR-ND	Supervisor Pushpull 3.08V*	SOT-23		624.00/3,000	
ADM810JAKS-REEL7	ADM810JAKS-RL7CT-ND	Supervisor with Reset 4.0V	SC-70	1.50	1.20	.90
ADM810JAKS-REEL7	ADM810JAKS-RL7TR-ND	Supervisor Pushpull 4.0V	SC-70		2304.00/3,000	
ADM810LART-REEL7	ADM810LART-RL7CT-ND	Supervisor Pushpull 4.63V	SOT-23	.68	.51	.39
ADM810LARTZ-REEL7	ADM810LARTZ-REEL7CT-ND	Supervisor Pushpull 4.63V*	SOT-23	.43	.34	.26
ADM810LARTZ-REEL7	ADM810LARTZ-REEL7TR-ND	Supervisor Pushpull 4.63V*	SOT-23		652.80/3,000	
ADM811LART-REEL7	ADM811LART-RL7CT-ND	Supervisor with Reset 4.63V	SOT-143-4	1.35	1.13	.90
ADM811LART-REEL	ADM811LART-RL7TR-ND	Supervisor with Reset 4.63V	SOT-143-4		702.00/3,000	
ADM811LARTZ-REEL7	ADM811LARTZ-REEL7CT-ND	Supervisor with Reset 4.63V*	SOT-143-4	.54	.45	.36
ADM811LARTZ-REEL7	ADM811LARTZ-REEL7TR-ND	Supervisor with Reset 4.63V*	SOT-143-4		702.00/3,000	
ADM811RART-REEL7	ADM811RART-RL7CT-ND	Supervisor with Reset 2.63V	SOT-143-4	1.35	1.13	.90
ADM811RART-REEL	ADM811RART-RL7TR-ND	Supervisor with Reset 2.63V	SOT-143-4		702.00/3,000	
ADM811RARTZ-REEL7	ADM811RARTZ-REEL7CT-ND	Supervisor with Reset 2.63V*	SOT-143-4	.54	.45	.36
ADM811RARTZ-REEL7	ADM811RARTZ-REEL7TR-ND	Supervisor with Reset 2.63V*	SOT-143-4		702.00/3,000	
ADM811SARTZ-REEL7	ADM811SARTZ-REEL7CT-ND	Supervisor with Reset 2.93V*	SOT-143-4	.54	.45	.36
ADM811SARTZ-REEL7	ADM811SARTZ-REEL7TR-ND	Supervisor Pushpull 2.93V*	SOT-143-4		702.00/3,000	
ADM823LYKS-R7	ADM823LYKS-R7CT-ND	Supervisor Circuit w/Watchdog 4.63V	SC70-5	1.47	1.23	.98
ADM823LYKS-R7	ADM823LYKS-R7TR-ND	Supervisor Circuit w/Watchdog 4.63V	SC70-5		1911.00/3,000	
ADM823LYRJZ-R7	ADM823LYRJZ-R7CT-ND	Supervisor Circuit with Watchdog 4.63V*	SOT-23-5	1.47	1.23	.98
ADM823LYRJZ-R7	ADM823LYRJZ-R7TR-ND	Supervisor Circuit with Watchdog 4.63V*	SOT-23-5		1911.00/3,000	
ADM823MYKS-R7	ADM823MYKS-R7CT-ND	Supervisor Circuit w/Watchdog 4.38V	SC70-5	1.47	1.23	.98
ADM823MYKS-R7	ADM823MYKS-R7TR-ND	Supervisor Circuit w/Watchdog 4.38V	SC70-5		1911.00/3,000	
ADM823MYRJZ-R7	ADM823MYRJZ-R7CT-ND	Supervisor Circuit with Watchdog 4.38V*	SOT-23-5	1.47	1.23	.98
ADM823MYRJZ-R7	ADM823MYRJZ-R7TR-ND	Supervisor Circuit with Watchdog 4.38V*	SOT-23-5		1911.00/3,000	
ADM823RYKS-R7	ADM823RYKS-R7CT-ND	Supervisor Circuit w/Watchdog 2.63V	SC70-5	1.47	1.23	.98
ADM823RYKS-R7	ADM823RYKS-R7TR-ND	Supervisor Circuit w/Watchdog 2.63V	SC70-5		1911.00/3,000	
ADM823RYRJ-R7	ADM823RYRJ-R7CT-ND	Supervisor Circuit with Watchdog 2.63V	SOT-23-5	1.47	1.23	.98
ADM823RYRJ-R7	ADM823RYRJ-R7TR-ND	Supervisor Circuit with Watchdog 2.63V	SOT-23-5		1911.00/3,000	
ADM823SYKS-R7	ADM823SYKS-R7CT-ND	Supervisor Circuit w/Watchdog 2.93V	SC70-5	1.47	1.23	.98
ADM823SYKS-R7	ADM823SYKS-R7TR-ND	Supervisor Circuit w/Watchdog 2.93V	SC70-5		1911.00/3,000	
ADM823SYKSZ-R7	ADM823SYKSZ-R7CT-ND	Supervisor Circuit w/Watchdog 2.93V* ***NEW!***	SC70-5	1.47	1.23	.98
ADM823SYKSZ-R7	ADM823SYKSZ-R7TR-ND	Supervisor Circuit w/Watchdog 2.93V*	SC70-5		1911.00/3,000	
ADM823SYRJ-R7	ADM823SYRJ-R7CT-ND	Supervisor Circuit with Watchdog 2.93V	SOT-23-5	1.47	1.23	.98
ADM823SYRJ-R7	ADM823SYRJ-R7TR-ND	Supervisor Circuit with Watchdog 2.93V	SOT-23-5		1911.00/3,000	

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADM823TYKS-R7	ADM823TYKS-R7CT-ND	Supervisor Circuit w/Watchdog 3.08V	SC70-5	1.47	1.23	.98
ADM823TYKS-R7	ADM823TYKS-R7TR-ND	Supervisor Circuit w/Watchdog 3.08V	SC70-5		1911.00/3,000	
ADM823TYRJ-R7	ADM823TYRJ-R7CT-ND	Supervisor Circuit with Watchdog 3.08V	SOT-23-5	1.47	1.23	.98
ADM823TYRJ-R7	ADM823TYRJ-R7TR-ND	Supervisor Circuit with Watchdog 3.08V	SOT-23-5		1911.00/3,000	
ADM823YKS-R7	ADM823YKS-R7CT-ND	Supervisor Circuit w/Watchdog 2.19V	SC70-5	1.47	1.23	.98
ADM823YKS-R7	ADM823YKS-R7TR-ND	Supervisor Circuit w/Watchdog 2.19V	SC70-5		1911.00/3,000	
ADM823ZYKS-R7	ADM823ZYKS-R7CT-ND	Supervisor Circuit w/Watchdog 2.32V	SC70-5	1.47	1.23	.98
ADM823ZYKS-R7	ADM823ZYKS-R7TR-ND	Supervisor Circuit w/Watchdog 2.32V	SC70-5		1911.00/3,000	
ADM1026JST-REEL7	ADM1026JST-REEL7CT-ND	Control System Reference/EEPROM	48-LQFP	9.91	8.93	7.92
ADM1026JST-REEL7	ADM1026JST-REEL7TR-ND	Control System Reference/EEPROM	48-LQFP		3719.00/500	
ADM1026JSTZ-REEL7	ADM1026JSTZ-REEL7CT-ND	Control System Reference/EEPROM*	48-LQFP	9.91	8.93	7.92
ADM1026JSTZ-REEL7	ADM1026JSTZ-REEL7TR-ND	Control System Reference/EEPROM*	48-LQFP		3719.00/500	
ADM1026JSTZ	ADM1026JSTZ-ND	Control System Reference/EEPROM*	48-LQFP	9.91	8.93	7.92
EVAL-ADM1026EB	EVAL-ADM1026EB-ND	Evaluation Board for ADM1026 ***NEW!***		128.70	—	—
ADM1070ART-REEL7	ADM1070ARTREEL7CT-ND	Hotswap Controller 48V	SOT-23-6	3.49	2.79	2.17
ADM1070ART-REEL7	ADM1070ARTREEL7TR-ND	Hotswap Controller 48V	SOT-23-6		5859.00/3,000	
ADM1073ARUZ	ADM1073ARUZ-ND	Hotswap Controller, Full-Feature, ~48V*	14-TSSOP	5.06	4.05	3.15
ADM1232AN	ADM1232AN-ND	Supervisor/CPU	8-Dip	1.28	1.02	.77
ADM1232ANZ	ADM1232ANZ-ND	Supervisor/CPU*	8-Dip	1.28	1.02	.77
ADM1232ARNZ	ADM1232ARNZ-ND	Supervisor/CPU*	8-SOIC	1.28	1.02	.77
ADM1232ARNREEL7	ADM1232ARNREEL7TR-ND	Supervisor/CPU	8-SOIC		663.00/1,000	
ADM1815-29ART-RL7	ADM1815029ARTRL7CT-ND	Monitor Reset 2.55V	SOT-23	1.17	.98	.78
ADM1815-29ART-RL7	ADM1815029ARTRL7TR-ND	Monitor Reset 2.55V	SOT-23		1521.00/3,000	
ADM1818-10ART-RL7	ADM1818010ARTRL7CT-ND	Monitor Reset 2.88V	SOT-23	1.20	1.00	.80
ADM1818-10ART-RL7	ADM1818010ARTRL7TR-ND	Monitor Reset 2.88V	SOT-23		1560.00/3,000	
ADM1818-20ART-RL7	ADM1818020ARTRL7CT-ND	Monitor Reset 2.55V	SOT-23	1.20	1.00	.80
ADM1818-20ART-RL7	ADM1818020ARTRL7TR-ND	Monitor Reset 2.55V	SOT-23		1560.00/3,000	
ADM6318CY46ARJZ-R7	ADM6318CY46ARJZCT-ND	Supervisor with Watchdog*	SOT-23-5	1.47	1.23	.98
ADM6318CY46ARJZ-R7	ADM6318CY46ARJZTR-ND	Supervisor with Watchdog*	SOT-23-5		1911.00/3,000	
ADM6320CY29ARJ-R7	ADM6320CY29ARJCT-ND	Supervisor with Watchdog	SOT-23-5	1.47	1.23	.98
ADM6320CY29ARJ-R7	ADM6320CY29ARJTR-ND	Supervisor with Watchdog	SOT-23-5		1911.00/3,000	
ADM6320CY46ARJ-R7	ADM6320CY46ARJCT-ND	Supervisor with Watchdog	SOT-23-5	1.47	1.23	.98
ADM6320CY46ARJ-R7	ADM6320CY46ARJTR-ND	Supervisor with Watchdog	SOT-23-5		1911.00/3,000	
ADM6713LAKS-REEL7	ADM6713LAKS-RL7CT-ND	Supervisor Open Drain 4.63V	SC70-4	.78	.65	.52
ADM6713LAKS-REEL7	ADM6713LAKS-RL7CT-ND	Supervisor Open Drain 4.63V	SC70-4		1014.00/3,000	
ADM6713MAKS-REEL7	ADM6713MAKS-RL7CT-ND	Supervisor Open Drain 4.38V	SC70-4	.78	.65	.52
ADM6713MAKS-REEL7	ADM6713MAKS-RL7TR-ND	Supervisor Open Drain 4.38V	SC70-4		1014.00/3,000	
ADM6713RAKS-REEL7	ADM6713RAKS-RL7CT-ND	Supervisor Open Drain 2.63V	SC70-4	.78	.65	.52
ADM6713RAKS-REEL7	ADM6713RAKS-RL7TR-ND	Supervisor Open Drain 2.63V	SC70-4		1014.00/3,000	
ADM6713SAKS-REEL7	ADM6713SAKS-RL7CT-ND	Supervisor Open Drain 2.93V	SC70-4	.78	.65	.52
ADM6713SAKS-REEL7	ADM6713SAKS-RL7TR-ND	Supervisor Open Drain 2.93V	SC70-4		1014.00/3,000	
ADM6713TAKSZ-REEL7	ADM6713TAKSZ-REEL7CT-ND	Supervisor Open Drain 3.08V*	SC70-4	.78	.65	.52
ADM6713TAKSZ-REEL7	ADM6713TAKSZ-REEL7TR-ND	Supervisor Open Drain 3.08V*	SC70-4		1014.00/3,000	
ADM6713ZAKS-REEL7	ADM6713ZAKS-RL7CT-ND	Supervisor Open Drain 2.32V	SC70-4	.78	.65	.52
ADM6713ZAKS-REEL7	ADM6713ZAKS-RL7TR-ND	Supervisor Open Drain 2.32V	SC70-4		1014.00/3,000	
ADM8695ARW	ADM8695ARW-ND	Supervisor MPU 4.65V Adj	16-SOIC	5.22	4.18	3.25
ADM9240ARU	ADM9240ARU-ND	MPU System Hardware Monitor	24-TSSOP	8.50	6.80	5.74

ANALOG DEVICES — SWITCHES

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		Analog				
AD7510DIKN	AD7510DIKN-ND	Switch Analog CMOS Quad Protection	16-Dip	11.91	10.73	9.51
AD7510DIKP	AD7510DIKP-ND	Switch Analog CMOS Quad Protection	28-PLCC	13.29	11.97	10.62
AD7511DIJN	AD7511DIJN-ND	Switch Analog CMOS Quad Protection	16-Dip	10.80	9.72	8.62
AD7511DIKN	AD7511DIKN-ND	Switch Analog CMOS Quad Protection	16-Dip	11.91	10.73	9.51
AD7512DIKN	AD7512DIKN-ND	Switch Analog CMOS Dual	14-Dip	11.91	10.73	9.51
AD7512DIKNZ	AD7512DIKNZ-ND	Switch Analog CMOS Dual*	14-Dip	11.91	10.73	9.51
AD7512DIKQ	AD7512DIKQ-ND	Switch Analog CMOS Dual	16-CDip	23.09	21.55	20.01
AD7590DIKNZ	AD7590DIKNZ-ND	Switch Analog with Data Latches*	16-Dip	12.03	10.83	9.61
ADG201ARZ	ADG201ARZ-ND	Switch Analog Quad SPST*	16-SOIC	4.53	4.53	3.87
ADG201AKNZ	ADG201AKNZ-ND	Switch Analog Quad SPST*	16-Dip	3.31	2.65	2.06
ADG201AKRZ	ADG201AKRZ-ND	Switch Analog Quad SPST*	16-SOIC	3.22	2.58	2.01
ADG201HSJNZ	ADG201HSJNZ-ND	Switch Analog HS Quad SPST*	16-Dip	5.48	4.39	3.70
ADG201HSKR	ADG201HSKR-ND	Switch Analog HS Quad SPST	16-SOIC	8.74	7.00	5.90
ADG201HSKRZ	ADG201HSKRZ-ND	Switch Analog HS Quad SPST*	16-SOIC	8.74	7.00	5.90
ADG202AKNZ	ADG202AKNZ-ND	Switch Analog Quad SPST*	16-Dip	3.31	2.65	2.06
ADG202AKRZ	ADG202AKRZ-ND	Switch Analog Quad SPST*	16-SOIC	3.22	2.58	2.01
ADG211AKNZ-ND	ADG211AKNZ-ND	Switch Analog Quad SPST*	16-Dip	3.04	2.43	1.89
ADG211AKRZ	ADG211AKRZ-ND	Switch Analog Quad SPST*	16-SOIC	2.95	2.36	1.84
ADG212AKNZ	ADG212AKNZ-ND	Switch Analog Quad SPST*	16-Dip	3.04	2.43	1.89
ADG212AKRZ	ADG212AKRZ-ND	Switch Analog Quad SPST*	16-SOIC	2.95	2.36	1.84
ADG221KN	ADG221KN-ND	Switch Analog Quad SPST	16-Dip	3.47	2.78	2.16
ADG221KRZ	ADG221KRZ-ND	Switch Analog Quad SPST*	16-SOIC	3.38	2.70	2.10
ADG222KN	ADG222KN-ND	Switch Analog Quad Latches SPST	16-Dip	3.47	2.78	2.16
ADG333ABNZ	ADG333ABNZ-ND	Switch Analog Quad SPDT*	20-Dip	6.62	5.30	4.47
ADG333ABRZ	ADG333ABRZ-ND	Switch Analog Quad SPDT*	20-SOIC	6.42	5.14	4.34
ADG333ABRSZ	ADG333ABRSZ-ND	Switch Analog Quad SPDT*	20-SSOP	6.42	5.14	4.34
ADG411BN	ADG411BN-ND	Switch Analog Quad Precision SPST	16-Dip	3.98	3.19	2.48
ADG411BNZ	ADG411BNZ-ND	Switch Analog Quad Precision SPST* ***NEW!***	16-Dip	3.87	3.10	2.41
ADG411BR	ADG411BR-ND	Switch Analog Quad Precision SPST	16-SOIC	3.87	3.10	2.41
ADG411BRZ	ADG411BRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	3.87	3.10	2.41
ADG412BN	ADG412BN-ND	Switch Analog Quad Precision SPST	16-Dip	4.05	3.24	2.52
ADG412BNZ	ADG412BNZ-ND	Switch Analog Quad Precision SPST*	16-Dip	4.05	3.24	2.52
ADG412BRZ	ADG412BRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	3.87	3.10	2.41
ADG413BRZ	ADG413BRZ-ND	Switch Analog Quad SPST*	16-SOIC	3.87	3.10	2.41
ADG417BRZ	ADG417BRZ-ND	Switch Analog Single*	8-SOIC	2.25	1.80	1.35
ADG419BNZ	ADG419BNZ-ND	Switch Analog Single Precision*	8-Dip	2.79	2.24	1.74
ADG419BR	ADG419BR-ND	Switch Analog Single Precision	8-SOIC	2.70	2.16	1.68
ADG419BRM	ADG419BRM-ND	Switch Analog Single Precision	8-MSOP	2.70	2.16	1.68
ADG419BRMZ	ADG419BRMZ-ND	Switch Analog Single Precision*	8-MSOP	2.70	2.16	1.68
ADG419BRZ	ADG419BRZ-ND	Switch Analog Single Precision*	8-SOIC	2.70	2.16	1.68
ADG431ABR	ADG431ABR-ND	Switch Analog Quad Precision SPST	16-SOIC	6.26	5.01	4.23
ADG431ABRZ	ADG431ABRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	6.26	5.01	4.23
ADG431ABR-REEL7	ADG431ABR-REEL7CT-ND	Switch Analog Quad Precision SPST	16-SOIC	6.26	5.01	4.23
ADG431ABR-REEL7	ADG431ABR-REEL7TR-ND	Switch Analog Quad Precision SPST	16-SOIC		3913.00/1,000	
ADG431BRZ	ADG431BRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	4.43	3.55	2.76
ADG432ABRZ	ADG432ABRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	6.26	5.01	4.23
ADG432BN	ADG432BN-ND	Switch Analog Quad Precision SPST	16-Dip	4.57	3.66	2.85
ADG432BRZ	ADG432BRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	4.43	3.55	2.76
ADG433ABRZ	ADG433ABRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	6.26	5.01	4.23

** RoHS Compliant* *(Continued)*

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Analog Devices Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADG433BN	ADG433BN-ND	Switch Analog Quad Precision SPST	16-Dip	4.57	3.66	2.85
ADG433BRZ	ADG433BRZ-ND	Switch Analog Quad Precision SPST*	16-SOIC	4.43	3.55	2.76
ADG436BNZ	ADG436BNZ-ND	Switch Analog Dual SPDT*	16-Dip	5.60	4.48	3.78
ADG436BRZ	ADG436BRZ-ND	Switch Analog Dual SPDT*	16-SOIC	5.44	4.36	3.68
ADG441BN	ADG441BN-ND	Switch Analog Quad SPST	16-Dip	2.13	1.70	1.28
ADG441BNZ	ADG441BNZ-ND	Switch Analog Quad SPST*	16-Dip	2.13	1.70	1.28
ADG441BRZ	ADG441BRZ-ND	Switch Analog Quad SPST*	16-SOIC	2.13	1.70	1.28
ADG442BN	ADG442BN-ND	Switch Analog Quad SPST	16-Dip	2.13	1.70	1.28
ADG442BR	ADG442BR-ND	Switch Analog Quad SPST	16-SOIC	1.91	1.53	1.15
ADG442BRZ	ADG442BRZ-ND	Switch Analog Quad SPST*	16-SOIC	2.13	1.70	1.28
ADG444BN	ADG444BN-ND	Switch Analog Quad SPST 5V	16-Dip	2.13	1.70	1.28
ADG444BRZ	ADG444BRZ-ND	Switch Analog Quad SPST 5V*	16-SOIC	2.13	1.70	1.28
ADG451BRZ	ADG451BRZ-ND	Switch Analog Quad 4-Ohm*	16-SOIC	5.00	4.00	3.38
ADG451BRUZ	ADG451BRUZ-ND	Switch Analog Quad 4-Ohm*	16-TSSOP	5.00	4.00	3.38
ADG452BN	ADG452BN-ND	Switch Analog Quad 4-Ohm	16-Dip	5.16	4.13	3.49
ADG452BNZ	ADG452BNZ-ND	Switch Analog Quad 4-Ohm*	16-Dip	5.16	4.13	3.49
ADG452BR	ADG452BR-ND	Switch Analog Quad 4-Ohm	16-SOIC	5.00	4.00	3.38
ADG452BRZ	ADG452BRZ-ND	Switch Analog Quad 4-Ohm*	16-SOIC	5.00	4.00	3.38
ADG452BRUZ	ADG452BRUZ-ND	Switch Analog Quad 4-Ohm*	16-TSSOP	5.00	4.00	3.38
ADG453BRZ	ADG453BRZ-ND	Switch Analog Quad 4-Ohm*	16-SOIC	5.00	4.00	3.38
ADG453BRUZ	ADG453BRUZ-ND	Switch Analog Quad 4-Ohm*	16-TSSOP	5.00	4.00	3.38
ADG511ABR	ADG511ABR-ND	Switch LC2MOS Quad 5/3V	16-SOIC	5.49	4.40	3.42
ADG511BN	ADG511BN-ND	Switch LC2MOS Quad 5/3V	16-Dip	4.77	3.82	2.97
ADG511BR	ADG511BR-ND	Switch LC2MOS Quad 5/3V	16-SOIC	4.84	3.71	2.89
ADG511BRZ	ADG511BRZ-ND	Switch LC2MOS Quad 5/3V*	16-SOIC	4.84	3.71	2.89
ADG512BRZ	ADG512BRZ-ND	Switch LC2MOS Quad 5/3V*	16-SOIC	4.64	3.71	2.89
ADG513BRZ	ADG513BRZ-ND	Switch LC2MOS Quad 5/3V*	16-SOIC	4.64	3.71	2.89
ADG702BRJ-500RL7	ADG702BRJ500RL7CT-ND	Switch CMOS 2-Ohm SPST	SOT-23-5	1.65	1.32	.99
ADG702BRJ-500RL7	ADG702BRJ500RL7TR-ND	Switch CMOS 2-Ohm SPST	SOT-23-5		445.50/500	
ADG749BKSZ-REEL7	ADG749BKSZ-REEL7CT-ND	CMOS 1.8V to 5.5V, 2:1 MUX/SPDT Switch* NEW!	SC70-6	1.75	1.40	1.05
ADG749BKSZ-REEL7	ADG749BKSZ-REEL7TR-ND	CMOS 1.8V to 5.5V, 2:1 MUX/SPDT Switch* NEW!	SC70-6		2688.00/3,000	
ADG811YRU	ADG811YRU-ND	Switch CMOS Quad SPST	16-TSSOP	3.35	2.69	2.09
ADG812YRU	ADG812YRU-ND	Switch CMOS Quad SPST	16-TSSOP	3.35	2.69	2.09
ADG813YRU	ADG813YRU-ND	Switch CMOS Quad SPST	16-TSSOP	3.35	2.69	2.09
ADG849YKSZ-500RL7	ADG849YKSZ500RLCT-ND	3V/5V CMOS 0.5-Ohm SPDT/2:1 Mux Switch*	SC70-6	1.95	1.56	1.17
ADG849YKSZ-500RL7	ADG849YKSZ500RLTR-ND	3V/5V CMOS 0.5-Ohm SPDT/2:1 Mux Switch*	SC70-6		526.50/500	
ADG904BRUZ	ADG904BRUZ-ND	Wideband, CMOS 1.65V-2.75V, 4:1 Mux/SPAT*	20-TSSOP	4.16	3.33	2.59
EVAL-ADG904EB	EVAL-ADG904EB-ND	Evaluation Board for ADG904 NEW!	—	134.99	—	—
ADG936BRU-R	ADG936BRU-R-ND	1.65V-2.75V, SPDT Switch	20-TSSOP	4.16	3.33	2.59
ADG1308BRUZ	ADG1308BRUZ-ND	8-Channel Multiplexer* NEW!	16-TSSOP	6.70	5.36	4.53
ADG1309BRUZ	ADG1309BRUZ-ND	4-Channel Multiplexer* NEW!	16-TSSOP	6.70	5.36	4.53
ADG2128BCPZ-HS-RL7	ADG2128BCPZ-HS-RL7CT-ND	8x12 Unbuffered Analog Switch* NEW!	32-LFCSP	10.30	9.27	8.22
ADG2128BCPZ-HS-RL7	ADG2128BCPZ-HS-RL7TR-ND	8x12 Unbuffered Analog Switch* NEW!	32-LFCSP		11448.00/1,500	
ADG2128YCPZ-HS-RL7	ADG2128YCPZ-HS-RL7CT-ND	8x12 Unbuffered Analog Switch* NEW!	32-LFCSP	10.48	9.44	8.37
ADG2128YCPZ-HS-RL7	ADG2128YCPZ-HS-RL7TR-ND	8x12 Unbuffered Analog Switch* NEW!	32-LFCSP		11652.00/1,500	
ADG2188BCPZ-HS-RL7	ADG2188BCPZ-HS-RL7CT-ND	8x8 Unbuffered Analog Switch* NEW!	32-LFCSP	9.26	7.41	6.26
ADG2188BCPZ-HS-RL7	ADG2188BCPZ-HS-RL7TR-ND	8x8 Unbuffered Analog Switch* NEW!	32-LFCSP		8682.00/1,500	
ADG2188YCPZ-HS-RL7	ADG2188YCPZ-HS-RL7CT-ND	8x8 Unbuffered Analog Switch* NEW!	32-LFCSP	8.65	7.79	6.91
ADG2188YCPZ-HS-RL7	ADG2188YCPZ-HS-RL7TR-ND	8x8 Unbuffered Analog Switch* NEW!	32-LFCSP		9615.00/1,500	
ADG2108BCPZ-REEL7	ADG2108BCPZ-REEL7CT-ND	Switch Array I2C CMOS 8x10 Unbuffered Analog* NEW!	32-LFCSP	9.82	7.86	6.63
ADG2108BCPZ-REEL7	ADG2108BCPZ-REEL7TR-ND	Switch Array I2C CMOS 8x10 Unbuffered Analog* NEW!	32-LFCSP		9207.00/1,500	
ADG2108YCPZ-REEL7	ADG2108YCPZ-REEL7CT-ND	Switch Array I2C CMOS 8x10 Unbuffered Analog* NEW!	32-LFCSP	9.16	8.25	7.32
ADG2108YCPZ-REEL7	ADG2108YCPZ-REEL7TR-ND	Switch Array I2C CMOS 8x10 Unbuffered Analog* NEW!	32-LFCSP		10189.50/1,500	
EVAL-ADG2108EB	EVAL-ADG2108EB-ND	Evaluation Board for ADG2108 NEW!	—	168.75	—	—
ADG2188BCPZ-REEL7	ADG2188BCPZ-REEL7CT-ND	Switch Array I2C CMOS 8x8 Unbuffered Analog* NEW!	32-LFCSP	8.42	6.74	5.69
ADG2188BCPZ-REEL7	ADG2188BCPZ-REEL7TR-ND	Switch Array I2C CMOS 8x8 Unbuffered Analog* NEW!	32-LFCSP		7894.50/1,500	
ADG2188YCPZ-REEL7	ADG2188YCPZ-REEL7CT-ND	Switch Array I2C CMOS 8x8 Unbuffered Analog* NEW!	32-LFCSP	9.44	7.56	6.38
ADG2188YCPZ-REEL7	ADG2188YCPZ-REEL7TR-ND	Switch Array I2C CMOS 8x8 Unbuffered Analog* NEW!	32-LFCSP		8850.00/1,500	
EVAL-ADG2188EB	EVAL-ADG2188EB-ND	Evaluation Board for ADG2188 NEW!	—	168.75	—	—
SW06GP	SW06GP-ND	Switch Quad JFET Analog SPST	16-Dip	4.28	3.42	2.66
SW06GPZ	SW06GPZ-ND	Switch Quad JFET Analog SPST*	16-Dip	4.28	3.42	2.66
SW06GS	SW06GS-ND	Switch Quad JFET Analog SPST	16-SOIC	4.01	3.21	2.50

Audio/Video

AD7592DIKN	AD7592DIKN-ND	Switch Analog with Data Latch	14-Dip	12.81	11.54	10.23
AD7592DIKNZ	AD7592DIKNZ-ND	Switch Analog with Data Latch*	14-Dip	12.81	11.54	10.23
AD8108AST	AD8108AST-ND	Video Switch 8x8 with Buffer	80-LQFP	32.64	30.47	28.29
AD8108ASTZ	AD8108ASTZ-ND	Video Switch 8x8 with Buffer*	80-LQFP	32.64	30.47	28.29
AD8109ASTZ	AD8109ASTZ-ND	Video Switch 8x8 with Buffer*	80-LQFP	28.07	26.20	24.33
AD8110ASTZ	AD8110ASTZ-ND	Video Switch 16x8 with Buffer*	80-LQFP	57.36	53.54	49.72
AD8111AST	AD8111AST-ND	Video Crosspoint Switch	80-LQFP	57.36	53.54	49.72
AD8111ASTZ	AD8111ASTZ-ND	Video Crosspoint Switch*	80-LQFP	57.36	53.54	49.72
AD8113-EVAL	AD8113-EVAL-ND	Evaluation Board for AD8113 NEW!	—	426.60	—	—
AD8113JST	AD8113JST-ND	Audio/Video Switch 16x16 w/Buffer	100-LQFP	44.91	41.92	38.93
AD8114-EVAL	AD8114-EVAL-ND	Evaluation Board for AD8114 NEW!	—	426.60	—	—
AD8114AST	AD8114AST-ND	Video Crosspoint Switch 16x16	100-LQFP	117.44	109.61	101.78
AD8114ASTZ	AD8114ASTZ-ND	Video Crosspoint Switch 16x16*	100-LQFP	117.44	109.61	101.78
AD8115-EVAL	AD8115-EVAL-ND	Evaluation Board for AD8115 NEW!	—	426.60	—	—
AD8115ASTZ	AD8115ASTZ-ND	Video Crosspoint Switch 16x16*	100-LQFP	117.44	109.61	101.78
AD8116JST	AD8116JST-ND	Video Switch 16x16 with Buffer	128-LQFP	139.41	130.12	120.83
AD8152JBP	AD8152JBP-ND	Async. Digital X-Point Switch	256-BGA	250.20	233.52	215.84
ADG836LYRM	ADG836LYRM-ND	0.5-Ohm CMOS 1.65V-3.6V Dual SPDT 2:1 Mux	10-MSOP	2.40	1.92	1.62
SSM2402S	SSM2402S-ND	Switch Dual Audio Analog	16-SOIC	6.68	5.35	4.51
SSM2404P	SSM2404P-ND	Switch Quad Audio Analog	20-Dip	6.54	5.24	4.42
SSM2404S	SSM2404S-ND	Switch Quad Audio Analog	20-SOIC	6.54	5.24	4.42
SSM2404SZ	SSM2404SZ-ND	Switch Quad Audio Analog*	20-SOIC	6.54	5.24	4.42

Bus

ADG3233BRJ-REEL7	ADG3233BRJREEL7CT-ND	Switch Logic Level Translation 1.65/3.6V Bypass	SOT-23-8	1.43	1.14	.86
ADG3233BRJ-REEL7	ADG3233BRJREEL7TR-ND	Switch Logic Level Translation 1.65/3.6V Bypass	SOT-23-8		2190.00/3,000	
ADG3233BRM	ADG3233BRM-ND	Switch 1.65/3.6V Bypass	8-MSOP	1.73	1.38	1.04
ADG3233BRM-REEL7	ADG3233BRMREEL7CT-ND	Switch 1.65/3.6V Bypass	8-MSOP	1.73	1.38	1.04
ADG3233BRM-REEL7	ADG3233BRMREEL7TR-ND	Switch 1.65/3.6V Bypass	8-MSOP		897.00/1,000	
ADG3242BRJ-R2	ADG3242BRJ-R2CT-ND	Switch Bus Controller 2.5/3.3V	SOT-23-8	1.70	1.36	1.02
ADG3242BRJ-R2	ADG3242BRJ-R2TR-ND	Switch Bus Controller 2.5/3.3V	SOT-23-8		238.00/250	
ADG3243BRJ-R2	ADG3243BRJ-R2CT-ND	Switch Bus Control 2.5/3.3V	SOT-23-8	1.70	1.36	1.02
ADG3243BRJ-R2	ADG3243BRJ-R2TR-ND	Switch Bus Control 2.5/3.3V	SOT-23-8		238.00/250	
ADG3245BRU	ADG3245BRU-ND	Switch Bus 2.5/3.3V, 6-Bit	20-TSSOP	2.18	1.74	1.31
ADG3246BRU	ADG3246BRU-ND	Switch Bus 2.5/3.3V, 10-Bit	24-TSSOP	2.25	1.80	1.35
ADG3247BCP	ADG3247BCP-ND	Switch Bus 2.5/3.3V, 16-Bit	40-LFCSP	2.68	2.15	1.67
ADG3247BRU	ADG3247BRU-ND	Switch Bus 2.5/3.3V, 16-Bit	38-TSSOP	3.24	2.60	2.02
ADG3248BKS-R2	ADG3248BKS-R2CT-ND	Mux/Demux Bus Switch 2:1	SC70-6	1.70	1.36	1.02
ADG3248BKS-R2	ADG3248BKS-R2TR-ND	Mux/Demux Bus Switch 2:2	SC70-6		238.00/250	
ADG3249BRJ-R2	ADG3249BRJ-R2CT-ND	Mux/Demux Bus Switch 2:3	SOT-23-8	1.70	1.36	1.02
ADG3249BRJ-R2	ADG3249BRJ-R2TR-ND	Mux/Demux Bus Switch 2:4	SOT-23-8		238.00/250	
ADG3257BRQZ	ADG3257BRQZ-ND	Mux/Demux Quad 3.3/5V HS*	16-QSOP	1.80	1.44	1.08

Crosspoint

AD8106ASTZ	AD8106ASTZ-ND	16x5 Buffered Video Crosspoint Switch* NEW!	80-LQFP	15.43	13.89	12.32
AD8107ASTZ	AD8107ASTZ-ND	16x5 Buffered Video Crosspoint Switch* NEW!	80-LQFP	15.43	13.89	12.32
AD8150AST	AD8150AST-ND	Digital Crosspoint Switch 33x17	184-LQFP	152.87	—	—
AD8150ASTZ	AD8150ASTZ-ND	Digital Crosspoint Switch 33x17*	184-LQFP	152.87	—	—
AD8152JBPZ	AD8152JBPZ-ND	Digital Crosspoint Switch 34x34*	256-BGA	250.20	—	—

General Purpose

ADG1211YCPZ-500RL7	ADG1211YCPZ-500RL7CT-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP	6.16	4.93	4.16
ADG1211YCPZ-500RL7	ADG1211YCPZ-500RL7TR-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP		1956.00/500	
ADG1211YRUZ	ADG1211YRUZ-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-TSSOP	6.48	5.19	4.38
ADG1212YCPZ-500RL7	ADG1212YCPZ-500RL7CT-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP	6.16	4.93	4.16
ADG1212YCPZ-500RL7	ADG1212YCPZ-500RL7TR-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP		1956.00/500	
ADG1212YCPZ-REEL7	ADG1212YCPZ-REEL7CT-ND	Low Cap., Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP	5.32	4.26	3.60
ADG1212YCPZ-REEL7	ADG1212YCPZ-REEL7TR-ND	Low Cap., Low Charge Injection, iCMOS™ Quad SPST Switch* NEW!	16-LFCSP		3325.00/1,000	
ADG1212YRUZ	ADG1212YRUZ-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-TSSOP	6.48	5.19	4.38
ADG1213YCPZ-500RL7	ADG1213YCPZ-500RL7CT-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP	6.16	4.93	4.16
ADG1213YCPZ-500RL7	ADG1213YCPZ-500RL7TR-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-LFCSP		1956.00/500	
ADG1213YRUZ	ADG1213YRUZ-ND	Low Capacitance, Low Charge Injection, iCMOS™ Quad SPST Switch*	16-TSSOP	6.48	5.19	4.38
ADG1233YRUZ	ADG1233YRUZ-ND	Low Capacitance, Triple SPDT iCMOS™ Switch	16-TSSOP	8.84	7.08	5.97
ADG1233YCPZ-REEL7	ADG1233YCPZ-REEL7CT-ND	Low Capacitance, Triple SPDT iCMOS™ Switch* NEW!	16-LFCSP	7.24	5.80	4.89
ADG1233YCPZ-REEL7	ADG1233YCPZ-REEL7TR-ND	Low Capacitance, Triple SPDT iCMOS™ Switch* NEW!	16-LFCSP		6787.50/1,500	
ADG1234YRUZ	ADG1234YRUZ-ND	Low Capacitance, Quad SPDT iCMOS™ Switch	20-TSSOP	9.21	8.30	7.36
ADG1234YCPZ-REEL7	ADG1234YCPZ-REEL7CT-ND	Low Capacitance, Quad SPDT iCMOS™ Switch* NEW!	16-LFCSP	9.06	7.25	6.12
ADG1234YCPZ-REEL7	ADG1234YCPZ-REEL7TR-ND	Low Capacitance, Quad SPDT iCMOS™ Switch* NEW!	16-LFCSP		8494.50/1,500	
ADG1236YCPZ-500RL7	ADG1236YCPZ-500RL7CT-ND	Low Capacitance, Low Charge Injection, iCMOS™ Dual SPDT Switch*	12-LFCSP	6.62	5.30	4.12
ADG1236YCPZ-500RL7	ADG1236YCPZ-500RL7TR-ND	Low Capacitance, Low Charge Injection, iCMOS™ Dual SPDT Switch*	12-LFCSP		1867.00/500	
ADG1236YRUZ	ADG1236YRUZ-ND	Low Capacitance, Low Charge Injection, iCMOS™ Dual SPDT Switch*	16-TSSOP	6.18	4.95	4.18

RF/Video

ADG601BRTZ-REEL7	ADG601BRTZ-REEL7CT-ND	Switch Tiny 2-Ohm SPST*	SOT-23-6	2.23	1.78	1.34
ADG601BRTZ-REEL7	ADG601BRTZ-REEL7TR-ND	Switch Tiny 2-Ohm SPST*	SOT-23-6		3417.00/3,000	
ADG611YRU	ADG611YRU-ND	Switch Quad 3/5V SPST	16-TSSOP	3.83	3.06	2.38
ADG612YRUZ	ADG612YRUZ-ND	Switch Quad 3/5V SPST*	16-TSSOP	3.83	3.06	2.38
ADG613YRU	ADG613YRU-ND	Switch Quad 3/5V SPST	16-TSSOP	3.83	3.06	2.38
ADG613YRUZ	ADG613YRUZ-ND	Switch Quad 3/5V SPST*	16-TSSOP	3.83	3.06	2.38
ADG619BRMZ	ADG619BRMZ-ND	Switch 2.7/5.5V SPDT*	8-MSOP	2.48	1.98	1.54
ADG633YCPZ-REEL7	ADG633YCPZ-REEL7CT-ND	Switch Triple SPDT 3/5V* NEW!	16-LFCSP	2.25	1.80	1.40
ADG633YCPZ-REEL7	ADG633YCPZ-REEL7TR-ND	Switch Triple SPDT 3/5V* NEW!	16-LFCSP		1912.50/1,500	
ADG633YRUZ	ADG633YRUZ-ND	Switch Triple SPDT 3/5V* NEW!	16-TSSOP	2.25	1.80	1.40
ADG636YRUZ	ADG636YRUZ-ND	Switch Dual 3/5V SPDT*	14-TSSOP	4.10	3.28	2.55
ADG711BR	ADG711BR-ND	Switch Quad SPST 1.8/5.5V	16-SOIC	2.48	1.98	1.54
ADG711BRUZ	ADG711BRUZ-ND	Switch Quad SPST 1.8/5.5V*	16-TSSOP	2.48	1.98	1.54
ADG712BRZ	ADG712BRZ-ND	Switch Quad SPST 1.8/5.5V*	16-SOIC	2.48	1.98	1.54
ADG712BRUZ	ADG712BRUZ-ND	Switch Quad SPST 1.8/5.5V*	16-TSSOP	2.48	1.98	1.54
ADG713BRUZ	ADG713BRUZ-ND	Switch Quad SPST 1.8/5.5V*	16-TSSOP	2.48	1.98	1.54
ADG714BRUZ	ADG714BRUZ-ND	Switch Octal Serial 2.7/5.5V*	24-TSSOP	4.82	3.86	3.00
ADG715BRUZ	ADG715BRUZ-ND	Switch Octal Serial 2.7/5.5V*	24-TSSOP	4.82	3.86	3.00
ADG719BRMZ	ADG719BRMZ-ND	Switch Single SPDT 1.8/5.5V*	8-MSOP	1.93	1.54	1.16
ADG719BRTZ-REEL7	ADG719BRTZ-REEL7CT-ND	Switch SPDT 1.8/5.5V*	SOT-23-6	1.75	1.40	1.05
ADG719BRTZ-REEL7	ADG719BRTZ-REEL7TR-ND	Switch SPDT 1.8/5.5V*	SOT-23-6		2688.00/3,000	
ADG721BRMZ	ADG721BRMZ-ND	Switch Dual SPST 1.8/5.5V*	8-MSOP	1.93	1.54	1.16
ADG723BRMZ	ADG723BRMZ-ND	Switch Dual SPST 1.8/5.5V*	8-MSOP	1.93	1.54	1.16
ADG734BRUZ	ADG734BRUZ-ND	Switch Quad 1.8/5.5V SPDT	20-TSSOP	3.71	2.97	2.31
ADG734BRU-REEL7	ADG734BRU-REEL7CT-ND	Switch Quad 1.8/5.5V SPDT	20-TSSOP	3.71	2.97	2.31

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CBT3244APW-T	568-1888-2-ND	Octal Bus Switch with Quad Output Enables	20-TSSOP		455.00/2,500	
CBT3253AD	568-3055-5-ND	Dual 1-of-4 FET Mux/Demux **NEW!**	16-SOIC	.64	.48	.36
CBT3253ADB	568-3056-5-ND	Dual 1-of-4 FET Mux/Demux **NEW!**	16-SSOP	.64	.48	.36
CBT3253ADS	568-3057-5-ND	Dual 1-of-4 FET Mux/Demux **NEW!**	16-QSOP	.64	.48	.36
CBT3257AD	568-3058-5-ND	Quad 1-of-2 Mux/Demux **NEW!**	16-SOIC	.64	.48	.36
CBT3257ADB	568-3059-5-ND	Quad 1-of-2 Mux/Demux **NEW!**	16-SSOP	.64	.48	.36
CBT3257ADS	568-3060-5-ND	Quad 1-of-2 Mux/Demux **NEW!**	16-QSOP	.64	.48	.36
CBT3257APW	568-3061-5-ND	Quad 1-of-2 Mux/Demux **NEW!**	16-TSSOP	.64	.48	.36
CBT6820DG	568-3062-5-ND	20-Bit Bus Switch **NEW!**	48-TSSOP	1.38	1.10	.83
CBTD16210DGG-T	568-3063-1-ND	20-Bit Level Shifting Bus Switch **NEW!**	48-TSSOP	1.26	1.05	.84
CBTD16210DGG-T	568-3063-2-ND	20-Bit Level Shifting Bus Switch **NEW!**	48-TSSOP		1117.20/2,000	
PiP401 /T3	568-2326-1-ND	OR-ing Intelligent Switch	D2-PAK	6.02	4.82	4.07
PiP401 /T3	568-2326-2-ND	OR-ing Intelligent Switch	D2-PAK		3058.16/800	
SA6300D/01	568-1206-5-ND	SPDT Switch	8-SOIC	5.29	4.23	3.29
		UARTs				
SC16C550BIA44-T	568-2039-1-ND	5V, 3.3V and 2.5V UART with 16-Byte FIFO	44-PLCC	2.72	2.18	1.70
SC16C550BIA44-T	568-2039-2-ND	5V, 3.3V and 2.5V UART with 16-Byte FIFO	44-PLCC		764.88/500	
SC16C550BIB48-S	568-2040-ND	5V, 3.3V and 2.5V UART with 16-Byte FIFO	48-LQFP	2.72	2.18	1.70
SC16C550BIBS-S	568-3263-ND	5V, 3.3V and 2.5V UART with 16-Byte FIFOs **NEW!**	32-HVQFN	2.48	1.98	1.54
SC16C550IA44-S	568-3264-5-ND	Single UART with 16-Byte FIFO **NEW!**	44-PLCC	3.20	2.56	1.99
SC16C550IB48-S	568-3265-ND	Single UART with 16-Byte FIFO **NEW!**	48-LQFP	3.20	2.56	1.99
SC16C550IN40	568-3266-5-ND	Single UART with 16-Byte FIFO **NEW!**	40-Dip	3.20	2.56	1.99
SC16C554BIB64-S	568-2041-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 16-Byte FIFO	64-LQFP	8.40	6.72	5.67
SC16C554BIB80-T	568-2042-1-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 16-Byte FIFO	80-LQFP	8.40	6.72	5.67
SC16C554BIB80-T	568-2042-2-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 16-Byte FIFO	80-LQFP		5250.00/1,000	
SC16C554BIBM-S	568-3267-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 16-Byte FIFO **NEW!**	64-LQFP	7.60	6.08	5.13
SC16C554BIBS-S	568-3268-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 16-Byte FIFO **NEW!**	48-HVQFN	7.60	6.08	5.13
SC16C554DBIA68-S	568-3269-5-ND	Quad UART with 16-Byte FIFO/Infrared Encoder/Decoder **NEW!**	68-PLCC	8.40	6.72	5.67
SC16C554DBIB64-S	568-3270-ND	Quad UART with 16-Byte FIFO/Infrared Encoder/Decoder **NEW!**	64-LQFP	8.40	6.72	5.67
SC16C554DIA68	568-1110-5-ND	Quad UART with 16-Byte FIFO/Infrared Encoder/Decoder	68-PLCC	9.00	7.20	6.08
SC16C554IB80-S	568-3271-ND	Quad UART with 16-Byte FIFO **NEW!**	80-LQFP	9.00	7.20	6.08
SC16C650AIA44-S	568-3272-5-ND	Single UART with 32-Byte FIFO **NEW!**	44-PLCC	5.36	4.29	3.34
SC16C650AIB48-S	568-3273-ND	Single UART with 32-Byte FIFO **NEW!**	48-LQFP	5.36	4.29	3.34
SC16C650AIN40	568-3274-5-ND	Single UART with 32-Byte FIFO **NEW!**	40-Dip	5.36	4.29	3.34
SC16C650BIA44-T	568-2043-1-ND	5V, 3.3V and 2.5V UART w/32-Byte FIFO and Infrared Encoder/Decoder	44-PLCC	4.50	3.60	2.80
SC16C650BIA44-T	568-2043-2-ND	5V, 3.3V and 2.5V UART w/32-Byte FIFO and Infrared Encoder/Decoder	44-PLCC		1300.00/500	
SC16C650BIB48-S	568-2044-ND	5V, 3.3V and 2.5V UART w/32-Byte FIFO and Infrared Encoder/Decoder	48-LQFP	4.50	3.60	2.80
SC16C650BIBS-S	568-3275-ND	5V, 3.3V and 2.5V UART w/32-Byte FIFO and Infrared Encoder/Decoder **NEW!**	32-HVQFN	4.05	3.24	2.52
SC16C650BIN40	568-2045-5-ND	5V, 3.3V and 2.5V UART w/32-Byte FIFO and Infrared Encoder/Decoder	40-Dip	5.18	4.14	3.22
SC16C652BIBS	568-2046-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 32-Byte FIFO	32-HVQFN	5.18	4.14	3.22
SC16C652BIB48-S	568-3276-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 32-Byte FIFO **NEW!**	48-LQFP	5.20	4.16	3.51
SC16C652IB48-S	568-3277-ND	Dual UART with 32-Byte Transmit and Receive FIFOs **NEW!**	48-LQFP	5.60	4.48	3.78
SC16C654BIA68-T	568-2047-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 64-Byte FIFO	68-PLCC	9.60	7.68	6.48
SC16C654BIBM-S	568-3278-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max with 64-Byte FIFO **NEW!**	64-LQFP	8.80	7.04	5.94
SC16C654BIBS-S	568-3279-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max with 64-Byte FIFO **NEW!**	48-HVQFN	8.80	7.04	5.94
SC16C654DBIB64-S	568-2048-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 64-Byte FIFO	64-LQFP	9.60	7.68	6.48
SC16C654DIB64-S	568-3281-ND	Quad UART with 64-Byte FIFO **NEW!**	64-LQFP	9.16	8.25	7.32
SC16C654IA68-S	568-3282-5-ND	Quad UART with 64-Byte FIFO **NEW!**	68-PLCC	9.16	8.25	7.32
SC16C654IB64-S	568-3283-ND	Quad UART with 64-Byte FIFO **NEW!**	64-LQFP	9.16	8.25	7.32
SC16C750BIAA44-T	568-2049-1-ND	5V, 3.3V and 2.5V UART with 64-Byte FIFO	44-PLCC	6.00	4.80	4.05
SC16C750BIAA44-T	568-2049-2-ND	5V, 3.3V and 2.5V UART with 64-Byte FIFO	44-PLCC		1905.00/500	
SC16C750IB64-S	568-3284-ND	5V, 3.3V and 2.5V UART with 64-Byte FIFO **NEW!**	64-LQFP	6.00	4.80	4.05
SC16C750IBS-S	568-3285-ND	5V, 3.3V and 2.5V UART with 64-Byte FIFO **NEW!**	32-HVQFN	5.00	4.00	3.38
SC16C750IA44-S	568-3286-5-ND	UART with 64-Byte FIFO **NEW!**	44-PLCC	5.74	4.60	3.88
SC16C750IB64-S SC16C752IB48	568-3287-ND 568-1322-ND	UART with 64-Byte FIFO **NEW!** D5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 64-Byte FIFO	64-LQFP 48-LQFP	5.74 5.00	4.60 4.00	3.88 3.38
SC16C752IBS-S	568-3288-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 64-Byte FIFO **NEW!**	32-HVQFN	5.40	4.32	3.36

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SC16C752IB48-S	568-3289-ND	Dual UART with 64-Byte FIFO **NEW!**	48-LQFP	6.00	4.80	4.05
SC16C754BIA68-T	568-2050-1-ND	5V, 3.3V and 2.5V UART, 5Mbit max., with 64-Byte FIFO	68-PLCC	8.33	7.50	6.65
SC16C754BIA68-T	568-2050-2-ND	5V, 3.3V and 2.5V UART, 5Mbit max., with 64-Byte FIFO	68-PLCC		1593.75/250	
SC16C754IBI80	568-1207-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 64-Byte FIFO	80-LQFP	8.33	7.50	6.65
SC16C754IBM-S	568-3290-ND	5V, 3.3V and 2.5V Quad UART, 5Mbit max., with 64-Byte FIFO **NEW!**	64-LQFP	9.00	7.20	6.08
SC16C754IA68-S	568-3291-5-ND	Quad UART with 64-Byte FIFO **NEW!**	68-PLCC	10.98	9.89	8.77
SC16C754IB80-S	568-3292-ND	Quad UART with 64-Byte FIFO **NEW!**	80-LQFP	10.98	9.89	8.77
SC16C2550BIA44-T	568-2038-1-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 16-Byte FIFO	44-PLCC	5.32	4.26	3.31
SC16C2550BIA44-T	568-2038-2-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 16-Byte FIFO	44-PLCC		1535.63/500	
SC16C2550BIBS-S	568-3259-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 16-Byte FIFO **NEW!**	32-HVQFN	5.00	4.00	3.38
SC16C2550IA44-S	568-3260-5-ND	Dual UART with 16-Byte Transmit and Receive FIFO **NEW!**	44-PLCC	6.00	4.80	4.05
SC16C2550IB48-S	568-3261-ND	Dual UART with 16-Byte Transmit and Receive FIFO **NEW!**	48-LQFP	6.00	4.80	4.05
SC16C2550IN40	568-3262-5-ND	Dual UART with 16-Byte Transmit and Receive FIFO **NEW!**	40-Dip	6.00	4.80	4.05
SC16C2552IA44-S	568-1186-5-ND	Dual UART with 16-Byte Transmit and Receive FIFO	44-PLCC	6.00	4.80	4.05
SC16IS750IBS-S	568-2234-ND	Single UART with I²C Bus/SPI Interface,64-Bytes of Transmit/Receive FIFO	24-HVQFN	2.52	2.36	2.19
SC16IS750IPW-S	568-2235-ND	Single UART with I²C Bus/SPI Interface,64-Bytes of Transmit/Receive FIFO	24-TSSOP	2.09	1.95	1.81
SC16IS752IBS-S	568-2236-ND	Dual UART with I²C Bus/SPI Interface, 64-Bytes of Transmit/Receive FIFO	32-HVQFN	3.30	3.08	2.86
SC16IS752IPW-S	568-2237-ND	Dual UART with I²C Bus/SPI Interface, 64-Bytes of Transmit/Receive FIFO	28-TSSOP	3.57	3.34	3.10
SC16IS760IBS-S	568-2238-ND	Single UART with I²C Bus/SPI Interface,64-Bytes of Transmit/Receive FIFO	24-HVQFN	2.70	2.53	2.35
SC16IS760IPW-S	568-2239-ND	Single UART with I²C Bus/SPI Interface,64-Bytes of Transmit/Receive FIFO	24-TSSOP	2.25	2.10	1.95
SC16IS762IBS-S	568-2240-ND	Dual UART with I²C Bus/SPI Interface, 64-Bytes of Transmit/Receive FIFO	32-HVQFN	4.60	4.30	3.99
SC16IS762IPW-S	568-2241-ND	Dual UART with I²C Bus/SPI Interface, 64-Bytes of Transmit/Receive FIFO	28-TSSOP	3.84	3.59	3.33
SC18IM700IPW	568-3231-5-ND	Master I²C Bus Controller with UART Interface **NEW!**	16-TSSOP	2.68	2.15	1.67
SC18IS600IPW	568-3232-5-ND	SPI to I²C Bus Interface **NEW!**	16-TSSOP	2.70	2.17	1.69
SC18IS601IPW	568-3233-5-ND	SPI to I²C Bus Interface **NEW!**	16-TSSOP	2.70	2.17	1.69
SC26C92A1A	568-1112-5-ND	Dual Universal Async. Receiver/Transmitter	44-PLCC	5.60	5.04	4.47
SC26C92C1A	568-1113-5-ND	Dual Universal Async. Receiver/Transmitter	44-PLCC	5.25	4.73	4.19
SC26C92C1N	568-1208-5-ND	Dual Universal Async. Receiver/Transmitter	40-Dip	6.30	5.04	4.26
SC26C562C1A	568-1111-5-ND	CMOS Dual Universal Serial Communications Controller	52-PLCC	31.50	29.40	27.30
SC28C94A1A-T	568-1114-1-ND	Quad Universal Async. Receiver/Transmitter	52-PLCC	21.75	20.30	18.85
SC28C94A1A-T	568-1114-2-ND	Quad Universal Async. Receiver/Transmitter	52-PLCC		9062.50/500	
SC28L91A1A-S	568-3295-5-ND	3.3V or 5.0V UART **NEW!**	44-PLCC	8.00	6.40	5.40
SC28L91A1B-S	568-1187-ND	3.3V or 5.0V UART	44-PQFP	8.00	6.40	5.40
SC28L92A1A-S	568-1188-5-ND	3.3V or 5.0V Dual UART	44-PLCC	9.58	8.63	7.65
SC28L92A1B	568-1211-ND	3.3/5V Dual Universal Async. Receiver/Transmitter	44-PQFP	9.58	8.63	7.65
SC28L194A1A	568-1116-5-ND	Quad UART for 3.3V/5V Supply Voltage	68-PLCC	18.75	17.50	16.25
SC28L194A1BE	568-1209-ND	Quad UART for 3.3V/5V Supply Voltage	80-LQFP	18.75	17.50	16.25
SC28L198A1A	568-1117-5-ND	Octal UART for 3.3V/5V Supply Voltage	84-PLCC	31.50	29.40	27.30
SC28L198A1BE	568-1210-ND	Octal UART for 3.3V/5V Supply Voltage	100-LQFP	31.50	29.40	27.30
SC28L201A1DGG	568-3293-5-ND	3.3V, 5V UART, 3.125Mbit, with 256-Byte FIFO **NEW!**	48-TSSOP	7.20	5.76	4.86
SC28L202A1DGG/G	568-3294-5-ND	3.3V, 5V Dual UART **NEW!**	56-TSSOP	10.00	9.00	7.98
SC68C2550BIB48-S	568-3296-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 16-Byte FIFO **NEW!**	48-LQFP	5.60	4.48	3.78
SC68C652BIB48-S	568-3297-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 32-Byte FIFO **NEW!**	48-LQFP	5.20	4.16	3.51
SC68C752IB48-S	568-3298-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 64-Byte FIFO **NEW!**	48-LQFP	5.00	4.00	3.38
SC68C752IBS-S	568-3299-ND	5V, 3.3V and 2.5V Dual UART, 5Mbit max., with 64-Byte FIFO **NEW!**	32-HVQFN	5.40	4.32	3.36
SCC2691AC1A28	568-1212-5-ND	Universal Async. Receiver/Transmitter	28-PLCC	5.50	4.40	3.72
SCC2691AC1D24	568-1118-5-ND	Universal Async. Receiver/Transmitter	24-SOL	5.50	4.40	3.72
SCC2691AC1N24	568-1213-5-ND	Universal Async. Receiver/Transmitter	24-Dip	5.10	4.08	3.45
SCC2691AE1A28	568-1214-5-ND	Universal Async. Receiver/Transmitter	28-PLCC	6.60	5.28	4.46
SCC2691AE1N24	568-1215-5-ND	Universal Async. Receiver/Transmitter	24-Dip	6.60	5.28	4.46
SCC2692AC1A44	568-1119-5-ND	Dual Universal Async. Receiver/Transmitter	44-PLCC	5.88	4.71	3.97
SCC2692AC1N40	568-1216-5-ND	Dual Universal Async. Receiver/Transmitter	40-Dip	5.88	4.71	3.97
SCC2698BC1A84	568-1120-5-ND	Enhanced Octal Universal Async. Receiver/Transmitter	84-PLCC	27.00	25.20	23.40
SCC68692C1A44	568-1121-5-ND	Dual Async. Receiver/Transmitter	44-PLCC	6.09	4.88	4.12
OM6270	568-3510-ND	Demo Board SPI/ I²C to UART **NEW!**	—	60.00	—	—

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		AUP Family				
74AUP1G125GM-G	568-2554-2-ND	Tri-State LP Buffer/Line Driver	6-XSON		607.75/5,000	
74AUP1G125GW-G	568-2555-1-ND	Tri-State LP Buffer/Line Driver	5-TSSOP	.46	.37	.26
74AUP1G125GW-G	568-2555-2-ND	Tri-State LP Buffer/Line Driver	5-TSSOP		357.00/3,000	
74AUP1G126GM-G	568-2556-1-ND	Tri-State LP Buffer/Line Driver	6-XSON	.47	.38	.29
74AUP1G126GM-G	568-2556-2-ND	Tri-State LP Buffer/Line Driver	6-XSON		607.75/5,000	
74AUP1G126GW-G	568-2557-1-ND	Tri-State LP Buffer/Line Driver	5-TSSOP	.46	.37	.26
74AUP1G126GW-G	568-2557-2-ND	Tri-State LP Buffer/Line Driver	5-TSSOP		357.00/3,000	
74AUP1GU04GM-G	568-2572-1-ND	Low Power Unbuffered Inverter	6-XSON	.47	.38	.29
74AUP1GU04GM-G	568-2572-2-ND	Low Power Unbuffered Inverter	6-XSON		607.75/5,000	
74AUP1GU04GW-G	568-2573-1-ND	Low Power Unbuffered Inverter	5-TSSOP	.36	.29	.20
74AUP1GU04GW-G	568-2573-2-ND	Low Power Unbuffered Inverter	5-TSSOP		280.50/3,000	
74AUP2G04GM-G	568-2574-1-ND	Low Power Dual Inverter	6-XSON	.47	.38	.29
74AUP2G04GM-G	568-2574-2-ND	Low Power Dual Inverter	6-XSON		607.75/5,000	
74AUP2G04GW-G	568-2575-1-ND	Low Power Dual Inverter	SC-88	.50	.41	.28
74AUP2G04GW-G	568-2575-2-ND	Low Power Dual Inverter	SC-88		392.70/3,000	
74AUP2G07GM-G	568-2576-1-ND	LP Dual Buffer with OD Output	6-XSON	.47	.38	.29
74AUP2G07GM-G	568-2576-2-ND	LP Dual Buffer with OD Output	6-XSON		607.75/5,000	
74AUP2G07GW-G	568-2577-1-ND	LP Dual Buffer with OD Output	SC-88	.50	.41	.28
74AUP2G07GW-G	568-2577-2-ND	LP Dual Buffer with OD Output	SC-88		392.70/3,000	
74AUP2G14GM-G	568-2578-1-ND	LP Dual Schmitt Trigger Inverter	6-XSON	.47	.38	.29
74AUP2G14GM-G	568-2578-2-ND	LP Dual Schmitt Trigger Inverter	6-XSON		607.75/5,000	
74AUP2G14GW-G	568-2579-1-ND	LP Dual Schmitt Trigger Inverter	SC-88	.50	.41	.28
74AUP2G14GW-G	568-2579-2-ND	LP Dual Schmitt Trigger Inverter	SC-88		392.700/3,000	
74AUP2G34GM-G	568-2580-1-ND	Low Power Dual Buffer	6-XSON	.47	.38	.29
74AUP2G34GM-G	568-2580-2-ND	Low Power Dual Buffer	6-XSON		607.75/5,000	
74AUP2G34GW-G	568-2581-1-ND	Low Power Dual Buffer	SC-88	.50	.41	.28
74AUP2G34GW-G	568-2581-2-ND	Low Power Dual Buffer	SC-88		392.70/3,000	
74AUP2GU04GM-G	568-2582-1-ND	LP Dual Unbuffered Inverter	6-XSON	.47	.38	.29
74AUP2GU04GM-G	568-2582-2-ND	LP Dual Unbuffered Inverter	6-XSON		607.75/5,000	
74AUP2GU04GW-G	568-2583-1-ND	LP Dual Unbuffered Inverter	SC-88	.50	.41	.28
74AUP2GU04GW-G	568-2583-2-ND	LP Dual Unbuffered Inverter	SC-88		392.70/3,000	
		NEW! AVCH Family NEW!				
74AVCH16244DG	568-2584-5-ND	16-Bit Buffer/Line Driver	48-TSSOP	4.50	3.60	2.80
74AVCH16245DG	568-2585-5-ND	16-Bit Transceiver w/Direction Pin	48-TSSOP	4.50	3.60	2.80
		NEW! AVCM Family NEW!				
74AVCM162834DG	568-2586-5-ND	18-Bit Registered Driver	56-TSSOP	1.63	1.30	.98
74AVCM162835DG	568-2587-5-ND	18-Bit Registered Driver	56-TSSOP	1.63	1.30	.98
74AVCM162836DG	568-2588-5-ND	20-Bit Registered Driver	56-TSSOP	1.63	1.30	.98
		HC Family				
74HC00BQ-G	568-2589-1-ND	Quad 2-in. NAND Gate **NEW!**	14-DHVQFN	.77	.58	.44
74HC00BQ-G	568-2589-2-ND	Quad 2-In. NAND Gate **NEW!**	14-DHVQFN		748.80/3,000	
74HC00DB	568-2590-5-ND	Quad 2-Input NAND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC00D-T	568-1379-1-ND	Quad 2-Input NAND Gate	14-SOIC	.42	.34	.24
74HC00D-T	568-1379-2-ND	Quad 2-Input NAND Gate	14-SOIC		238.50/2,500	
74HC00N	568-1380-5-ND	Quad 2-Input NAND Gate	14-Dip	.45	.37	.25
74HC02D-T	568-1381-1-ND	Quad 2-Input NOR Gate	14-SOIC	.42	.34	.24
74HC02D-T	568-1381-2-ND	Quad 2-Input NOR Gate	14-SOIC		238.50/2,500	
74HC02N	568-1382-5-ND	Quad 2-Input NOR Gate	14-Dip	.45	.37	.25
74HC03D-T	568-1383-1-ND	Quad 2-Input NAND Gate	14-SOIC	.42	.34	.24
74HC03D-T	568-1383-2-ND	Quad 2-Input NAND Gate	14-SOIC		238.50/2,500	
74HC08DB	568-2591-5-ND	Quad 2-Input NAND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC04BQ-G	568-2592-1-ND	Hex Inverter **NEW!**	14-DHVQFN	.77	.58	.44
74HC04BQ-G	568-2592-2-ND	Hex Inverter **NEW!**	14-DHVQFN		748.80/3,000	
74HC04D-T	568-1384-1-ND	Hex Inverter	14-SOIC	.42	.34	.24
74HC04D-T	568-1384-2-ND	Hex Inverter	14-SOIC		238.50/2,500	
74HC04DB	568-2593-5-ND	Hex Inverter **NEW!**	14-SSOP	.55	.44	.33
74HC04N	568-1385-5-ND	Hex Inverter	14-Dip	.45	.37	.25
74HC08BQ-G	568-2594-1-ND	Quad 2-Input AND Gate **NEW!**	14-DHVQFN	.77	.58	.44
74HC08BQ-G	568-2594-2-ND	Quad 2-Input AND Gate **NEW!**	14-DHVQFN		748.80/3,000	
74HC08D-T	568-1386-1-ND	Quad 2-Input AND Gate	14-SOIC	.41	.32	.23
74HC08D-T	568-1386-2-ND	Quad 2-Input AND Gate	14-SOIC		229.50/2,500	
74HC08DB	568-2595-5-ND	Quad 2-Input AND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC08N	568-1387-5-ND	Quad 2-Input AND Gate	14-Dip	.45	.37	.25
74HC10DB	568-2598-5-ND	Triple 3-Input NAND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC10N	568-1388-5-ND	Triple 3-Input NAND Gate	14-Dip	.45	.37	.25
74HC11D	568-2600-5-ND	Triple 3-Input AND Gate **NEW!**	14-SOIC	.42	.34	.24
74HC11DB	568-2601-5-ND	Triple 3-Input AND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC11N	568-1389-5-ND	Triple 3-Input AND Gate	14-Dip	.45	.37	.25
74HC14BQ-G	568-2610-1-ND	Hex Inverting Schmitt Trigger **NEW!**	14-QFN	.76	.57	.43
74HC14BQ-G	568-2610-2-ND	Hex Inverting Schmitt Trigger **NEW!**	14-QFN		741.00/3,000	
74HC14D-T	568-1401-1-ND	Hex Inverting Schmitt Trigger	14-SOIC	.42	.34	.24
74HC14D-T	568-1401-2-ND	Hex Inverting Schmitt Trigger	14-SOIC		238.50/2,500	
74HC14DB	568-2611-5-ND	Hex Inverting Schmitt Trigger **NEW!**	14-SSOP	.60	.45	.34
74HC14N	568-1402-5-ND	Hex Inverting Schmitt Trigger	14-Dip	.45	.37	.25
74HC20DB	568-2643-5-ND	Dual 4-Input NAND Gate **NEW!**	14-SSOP	.55	.44	.33
74HC20N	568-1414-5-ND	Dual 4-Input NAND Gate	14-Dip	.45	.37	.25
74HC27D	568-2658-5-ND	Triple 3-Input NOR Gate **NEW!**	14-SOIC	.42	.34	.24
74HC27DB	568-2659-5-ND	Triple 3-Input NOR Gate **NEW!**	14-SSOP	.56	.42	.32
74HC30DB	568-2662-5-ND	8-Input NAND Gate **NEW!**	14-SSOP	.48	.36	.27
74HC30D	568-1431-5-ND	8-Input NAND Gate	14-SOIC	.42	.34	.24
74HC30D-T	568-2261-1-ND	8-Input NAND Gate	14-SOIC	.53	.42	.32
74HC30D-T	568-2261-2-ND	8-Input NAND Gate	14-SOIC		354.38/2,500	
74HC30N	568-1432-5-ND	8-Input NAND Gate	14-Dip	.45	.37	.25
74HC32BQ-G	568-2663-1-ND	Quad 2-Input OR Gate **NEW!**	14-DHVQFN	.76	.57	.43
74HC32BQ-G	568-2663-2-ND	Quad 2-Input OR Gate **NEW!**	14-DHVQFN		741.00/3,000	
74HC32D-T	568-1433-1-ND	Quad 2-Input OR Gate	14-SOIC	.38	.30	.22
74HC32D-T	568-1433-2-ND	Quad 2-Input OR Gate	14-SOIC		216.00/2,500	
74HC32DB	568-2664-5-ND	Quad 2-Input OR Gate **NEW!**	14-SSOP	.55	.44	.33
74HC32N	568-1434-5-ND	Quad 2-Input OR Gate	14-Dip	.45	.37	.25
74HC42N	568-1469-5-ND	BCD to Decimal Decoder	16-Dip	.80	.60	.45
74HC58D	568-2716-5-ND	Dual AND OR Gate **NEW!**	14-SOIC	.52	.39	.30
74HC58DB	568-2717-5-ND	Dual AND OR Gate **NEW!**	14-SSOP	.52	.39	.30
74HC58N	568-1481-5-ND	Dual AND OR Gate	14-Dip	.52	.39	.30
74HC73D	568-2735-5-ND	Dual JK Flip-Flop with Reset, Negative-Edge-Triggered **NEW!**	14-SOIC	.46	.37	.28
74HC73DB	568-2736-5-ND	Dual JK Flip-Flop with Reset, Negative-Edge-Triggered **NEW!**	14-SSOP	.52	.39	.30
74HC73N	568-1489-5-ND	Dual JK Flip-Flop with Reset, Negative-Edge-Triggered	14-Dip	.50	.38	.29
74HC74BQ-G	568-2738-1-ND	Dual D-Type Flip-Flop with Set and Reset, Positive-Edge-Triggered **NEW!**	14-DHVQFN	.77	.58	.44
74HC74BQ-G	568-2738-2-ND	Dual D-Type Flip-Flop with Set and Reset, Positive-Edge-Triggered **NEW!**	14-DHVQFN		748.80/3,000	
74HC74D-T	568-1490-1-ND	Dual D-Type Flip-Flop with Set and Reset, Positive-Edge-Triggered	14-SOIC	.42	.34	.24
74HC74D-T	568-1490-2-ND	Dual D-Type Flip-Flop with Set and Reset, Positive-Edge-Triggered	14-SOIC		238.50/2,500	
74HC74N	568-1491-5-ND	Dual D-Type Flip-Flop with Set and Reset, Positive-Edge-Triggered	14-Dip	.42	.34	.25
74HC75D	568-2744-5-ND	Quad Bistable Transparent Latch **NEW!**	16-SOIC	.53	.40	.30
74HC75DB	568-2745-5-ND	Quad Bistable Transparent Latch **NEW!**	16-SSOP	.60	.45	.34
74HC75N	568-1493-5-ND	Quad Bistable Transparent Latch	16-Dip	.57	.43	.32
74HC85D	568-1494-5-ND	4-Bit Magnitude Comparator	16-SOIC	.55	.42	.32
74HC85DB	568-2748-5-ND	4-Bit Magnitude Comparator **NEW!**	16-SSOP	.88	.66	.50
74HC85N	568-1495-5-ND	4-Bit Magnitude Comparator	16-Dip	.63	.48	.36
74HC86D-T	568-1496-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.48	.36	.27
74HC86D-T	568-1496-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		390.00/2,500	
74HC86DB	568-2749-5-ND	Quad 2-In. Exclusive OR Gate **NEW!**	14-SSOP	.64	.48	.36
74HC86N	568-1497-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.43	.34	.26
74HC93D	568-2754-5-ND	4-Bit Binary Ripple Counter **NEW!**	14-SOIC	.84	.63	.48
74HC93DB	568-2755-5-ND	4-Bit Binary Ripple Counter **NEW!**	14-SSOP	.96	.72	.54
74HC107DB	568-2596-5-ND	Dual JK Flip-Flop Negative-Edge Trigger **NEW!**	14-SSOP	.76	.57	.43
74HC109DB	568-2597-5-ND	Dual JK Flip-Flop Positive-Edge Trigger **NEW!**	16-SSOP	.56	.42	.32
74HC112DB	568-2599-5-ND	Dual JK Flip-Flop Negative-Edge Trigger **NEW!**	16-SSOP	.64	.48	.36
74HC123D-T	568-1390-1-ND	Dual Retriggerable Mono Multivibrator with Reset	16-SOIC	.42	.34	.25
74HC123D-T	568-1390-2-ND	Dual Retriggerable Mono Multivibrator with Reset	16-SOIC		280.13/2,500	
74HC123DB	568-2602-5-ND	Dual Retriggerable Mono Multivibrator with Reset **NEW!**	16-SSOP	.80	.60	.45
74HC123N	568-1391-5-ND	Dual Retriggerable Mono Multivibrator with Reset	16-Dip	.50	.38	.29
74HC125D-T	568-1392-1-ND	Tri-State Quad Buffer/Line Driver	14-SOIC	.45	.37	.25
74HC125D-T	568-1392-2-ND	Tri-State Quad Buffer/Line Driver	14-SOIC		293.25/2,500	
74HC125N	568-1393-5-ND	Tri-State Quad Buffer/Line Driver	14-Dip	.45	.37	.28
74HC126D	568-2603-5-ND	Tri-State Quad Buffer/ Line Driver **NEW!**	14-SOIC	.42	.34	.24
74HC132D-T	568-1394-1-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC	.45	.37	.25
74HC132D-T	568-1394-2-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC		293.25/2,500	
74HC132N	568-1395-5-ND	Quad 2-Input NAND Schmitt Trigger	14-Dip	.45	.37	.28
74HC132PW	568-2604-5-ND	Quad 2-Input NAND Schmitt Trigger **NEW!**	14-TSSOP	.48	.39	.27
74HC137D	568-2605-5-ND	3-to-8 Line Decoder/Demux **NEW!**	16-SOIC	.53	.40	.30
74HC137DB	568-2606-5-ND	3-to-8 Line Decoder/Demux **NEW!**	16-SSOP	.72	.54	.41
74HC137N	568-1396-5-ND	3-to-8 Line Decoder/Demux	16-Dip	.58	.44	.33
74HC138BQ-G	568-2607-1-ND	3-to-8 Line Decoder/ Demux **NEW!**	16-DHVQFN	.88	.66	.50
74HC138BQ-G	568-2607-2-ND	3-to-8 Line Decoder/ Demux **NEW!**	16-DHVQFN		858.00/3,000	
74HC138D-T	568-1397-1-ND	3-to-8 Line Decoder/Demux, Inverting	16-SOIC	.42	.34	.25
74HC138D-T	568-1397-2-ND	3-to-8 Line Decoder/Demux, Inverting	16-SOIC		280.13/2,500	
74HC138N	568-1398-5-ND	3-to-8 Line Decoder/Demux, Inverting	16-Dip	.45	.37	.28
74HC139D	568-1399-5-ND	Dual 2-to-4 Line Decoder/Demux	16-SOIC	.46	.38	.28
74HC139DB	568-2608-5-ND	Dual 2-to-4 Line Decoder/ Demux **NEW!**	16-SSOP	.56	.42	.32
74HC139N	568-1400-5-ND	Dual 2-to-4 Line Decoder/Demux	16-Dip	.45	.37	.28
74HC147DB	568-2609-5-ND	10-to-4 Line Priority Encoder **NEW!**	16-SSOP	.92	.69	.52
74HC151D	568-1403-5-ND	8-Input Multiplexer	16-SOIC	.53	.40	.30
74HC151DB	568-2612-5-ND	8-Input Multiplexer **NEW!**	16-SSOP	.84	.63	.48
74HC153D	568-1404-5-ND	Dual 4-Input Multiplexer	16-SOIC	.55	.45	.34
74HC153DB	568-2613-5-ND	Dual 4-Input Multiplexer **NEW!**	16-SSOP	.80	.60	.45
74HC153N	568-1405-5-ND	Dual 4-Input Multiplexer	16-Dip	.57	.43	.32
74HC154D	568-1406-5-ND	4-to-16 Line Decoder/Demux	24-SOIC	1.04	.87	.70
74HC154DB	568-2614-5-ND	4-to-16 Line Decoder/ Demux **NEW!**	24-SSOP	1.30	1.04	.78
74HC154N	568-1407-5-ND	4-to-16 Line Decoder/Demux	24-Dip	1.10	.92	.74
74HC157D	568-2615-5-ND	Quad 2-Input Multiplexer **NEW!**	16-SOIC	.55	.45	.34
74HC157DB	568-2616-5-ND	Quad 2-Input Multiplexer **NEW!**	16-SSOP	.68	.51	.39
74HC160DB	568-2617-5-ND	Presettable Sync. BCD Decade Counter **NEW!**	16-SSOP	.80	.60	.45
74HC161DB	568-2618-5-ND	Presettable Sync. 4-Bit Binary Counter **NEW!**	16-SSOP	.80	.60	.45
74HC163DB	568-2619-5-ND	Presettable Sync. 4-Bit Binary Counter **NEW!**	16-SSOP	.80	.60	.45
74HC164DB	568-2620-5-ND	8-Bit Serial-In Parallel-Out Shift Register **NEW!**	14-SSOP	.80	.60	.45
74HC164D-T	568-1408-1-ND	8-Bit Serial-In, Parallel-Out Shift Register	14-SOIC	.43	.35	.26
74HC164D-T	568-1408-2-ND	8-Bit Serial-In Parallel-Out Shift Register	14-SOIC		290.25/2,500	
74HC164N	568-2621-5-ND	8-Bit Serial-In Parallel-Out Shift Register **NEW!**	14-Dip	.61	.46	.35
74HC165D-T	568-1409-1-ND	8-Bit Parallel-In/Serial-Out Shift Register	16-SOIC	.42	.34	.25
74HC165D-T	568-1409-2-ND	8-Bit Parallel-In/Serial-Out Shift Register	16-SOIC		280.13/2,500	
74HC165DB	568-2622-5-ND	8-Bit Parallel-In/Serial-Out Shift Register **NEW!**	16-SSOP	.80	.60	.45
74HC165N	568-1410-5-ND	8-Bit Parallel-In/Serial-Out Shift Register	16-Dip	.58	.46	.35
74HC165PW	568-2623-5-ND	8-Bit Parallel-In/Serial-Out Shift Register **NEW!**	16-TSSOP	.44	.36	.27
74HC166D	568-2624-5-ND	8-Bit Parallel-In/Serial-Out Shift Register **NEW!**	16-SOIC	.50	.38	.29
74HC166DB	568-2625-5-ND	8-Bit Parallel-In/Serial-Out Shift Register **NEW!**	16-SSOP	.80	.60	.45
74HC166N	568-2626-5-ND	8-Bit Parallel-In/Serial-Out Shift Register **NEW!**	16-Dip	.61	.46	.35
74HC173DB	568-2627-5-ND	Tri-State, Quad D-Type Flip-Flop, Positive-Edge-Triggered **NEW!**	16-SSOP	.88	.66	.50

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

NXP Semiconductors — POWER CONTROL/MANAGEMENT

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
NEW! Voltage Detectors NEW!						
PCF1252-0TD	568-3301-5-ND	Threshold Detector and Reset Generator	8-SOIC	1.83	1.46	1.10
PCF1252-1TD	568-3302-5-ND	Threshold Detector and Reset Generator	8-SOIC	1.83	1.46	1.10
PCF1252-2TD	568-3303-5-ND	Threshold Detector and Reset Generator	8-SOIC	1.90	1.52	1.14
PCF1252-4TD	568-3304-5-ND	Threshold Detector and Reset Generator	8-SOIC	1.90	1.52	1.14
PCF1252-7TD	568-3305-5-ND	Threshold Detector and Reset Generator	8-SOIC	1.90	1.52	1.14

NXP Semiconductors — POWER SUPPLY PRODUCTS

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Low Dropout Regulators						
SA57000-30D-G	568-3306-1-ND	CapFREE™ 150mA, Low Noise LDO Regulator ***NEW!***	SOT-23-5	.88	.66	.50
SA57000-30D-G	568-3306-2-ND	CapFREE™ 150mA, Low Noise LDO Regulator ***NEW!***	SOT-23-5		858.00/3,000	
SA57000-33D-G	568-1184-1-ND	CapFREE™ 150mA Low Noise LDO Regulator	SOT-23-5	.88	.66	.50
SA57000-33D-G	568-1184-2-ND	CapFREE™ 150mA Low Noise LDO Regulator	SOT-23-5		858.00/3,000	
TDA3602U	568-3307-5-ND	Multiple Output Voltage Reg. ***NEW!***	9-SIL	4.09	3.28	2.55
TDA3617JU	568-3308-5-ND	Multiple Output Voltage Reg. ***NEW!***	9-SIL	4.35	3.48	2.71
TDA3664/N1-T	568-3309-1-ND	5V, 100mA LDO Regulator ***NEW!***	4-SOIC	1.38	1.10	.83
TDA3664/N1-T	568-3309-2-ND	5V, 100mA LDO Regulator ***NEW!***	4-SOIC		2816.00/4,000	
TDA3664ATD-T	568-3310-1-ND	5V, 100mA LDO Regulator ***NEW!***	8-SOIC	1.38	1.15	.92
TDA3664ATD-T	568-3310-2-ND	5V, 100mA LDO Regulator ***NEW!***	8-SOIC		1495.00/2,500	
UBA2014P/N1	568-3321-5-ND	600V Driver IC for CFL and TL Lamps ***NEW!***	16-Dip	2.00	1.60	1.20
UBA2014TD-T	568-3322-1-ND	600V Driver IC for HF Fluorescent Lamps ***NEW!***	16-SOIC	2.48	1.98	1.49
UBA2014TD-T	568-3322-2-ND	600V Driver IC for HF Fluorescent Lamps ***NEW!***	16-SOIC		3168.00/2,500	
UBA2021T/N2	568-3323-5-ND	630V Driver IC for CFL and TL Lamps ***NEW!***	14-SOIC	2.00	1.60	1.20
UBA2024P/N1	568-3324-5-ND	Half-Bridge Power IC for CFL Lamps ***NEW!***	8-Dip	2.00	1.60	1.20
UBA2032TS/N3-T	568-3325-1-ND	Full Bridge Driver ***NEW!***	28-SSOP	3.38	2.70	2.10
UBA2032TS/N3-T	568-3325-2-ND	Full Bridge Driver ***NEW!***	28-SSOP		1912.50/1,000	
UBA2033TS/N2-T	568-3326-1-ND	HF Full Bridge Driver ***NEW!***	28-SSOP	3.38	2.70	2.10
UBA2033TS/N2-T	568-3326-2-ND	HF Full Bridge Driver ***NEW!***	28-SSOP		1912.50/1,000	
UBA2070PN	568-3327-5-ND	600V CCFL Ballast Driver ***NEW!***	16-Dip	2.32	1.86	1.45
UBA2070TD-T	568-3328-1-ND	600V CCFL Ballast Driver ***NEW!***	16-SOIC	2.32	1.86	1.45
UBA2070TD-T	568-3328-2-ND	600V CCFL Ballast Driver ***NEW!***	16-SOIC		3244.50/2,500	
DC-DC Converters						
PIP202-12M-2 /T3	568-2327-1-ND	DC-DC Converter Powertrain	68-HVQFN	8.20	6.56	5.54
PIP202-12M-2 /T3	568-2327-2-ND	DC-DC Converter Powertrain	68-HVQFN		12710.00/2,500	
PIP212-12M /T3	568-3345-1-ND	DC-DC Converter Powertrain ***NEW!***	56-HVQFN	9.00	7.20	6.08
PIP212-12M /T3	568-3345-2-ND	DC-DC Converter Powertrain ***NEW!***	56-HVQFN		5625.00/1,000	
PIP250M /T3	568-2329-1-ND	Integrated Buck Converter	68-HVQFN	9.00	7.20	6.08
PIP250M /T3	568-2329-2-ND	Integrated Buck Converter	68-HVQFN		13950.00/2,500	

NXP Semiconductors — RADIO FREQUENCY ICs

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SA8028W	568-1304-ND	2.5GHz Sigma Delta Fractional-N/760MHz IF Integer Freq. Synthesizer	24-HBCC	5.00	4.00	3.38
SAA6588TD	568-1109-5-ND	RDS/RBDS Pre-Processor	20-Dip	5.66	4.53	3.83
TDA8024T-T	568-2448-1-ND	IC Card Interface	28-SOIC	2.59	2.07	1.61
TDA8024T-T	568-2448-2-ND	IC Card Interface	28-SOIC		1466.25/1,000	
TDA8024TT-T	568-2447-1-ND	IC Card Interface	28-TSSOP	2.60	2.08	1.62
TDA8024TT-T	568-2447-2-ND	IC Card Interface	28-TSSOP		3636.36/2,500	
TEA5757H/8	568-1218-ND	Self Tuned Radio	48-PQFP	4.72	3.78	2.94
FM ICs						
SA602AD/01-T	568-1200-1-ND	Double Balanced Mixer/Oscillator	8-SOIC	2.25	1.80	1.35
SA602AD/01-T	568-1200-2-ND	Double Balanced Mixer/Oscillator	8-SOIC		2880.00/2,500	
SA602AN/01	568-1201-5-ND	Double Balanced Mixer/Oscillator	8-Dip	2.25	1.80	1.35
RFID						
PCF7936ASM	568-1195-5-ND	Security Transponder, HITAG 2	Stick	3.49	2.79	2.17
SLRC41TQFED	568-1124-5-ND	I-CODE Reader IC	32-SOIC	7.02	5.62	4.74
TDA8029HL/07BD-T	568-2233-1-ND	Low Power Single Card Reader	32-LQFP	6.46	5.18	4.37
TDA8029HL/07BD-T	568-2233-2-ND	Low Power Single Card Reader	32-LQFP		8080.25/2,000	

NXP Semiconductors — REAL TIME CLOCKS

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
PCA8565TS-T	568-1902-1-ND	I²C Real Time Clock/Calendar	8-TSSOP	1.65	1.32	.99
PCA8565TS-T	568-1902-2-ND	I²C Real Time Clock/Calendar	8-TSSOP		2112.00/2,500	
PCF8563PN	568-1067-5-ND	Real Time Clock/Calendar	8-Dip	1.50	1.20	.90
PCF8563TD-T	568-1068-1-ND	Real Time Clock/Calendar	8-SOIC	1.33	1.06	.80
PCF8563TD-T	568-1068-2-ND	Real Time Clock/Calendar	8-SOIC		1696.00/2,500	
PCF8583PN	568-1084-5-ND	Clock/Calendar with 240x8-Bit RAM	8-Dip	2.93	2.34	1.82
PCF8583TD-T	568-1085-1-ND	Clock/Calendar with 240x8-Bit RAM	8-SOIC	2.25	1.80	1.40
PCF8583TD-T	568-1085-2-ND	Clock/Calendar with 240x8-Bit RAM	8-SOIC		1275.00/1,000	
PCF8593N	568-1089-5-ND	Low Power Clock/Calendar	8-Dip	2.93	2.34	1.82
PCF8593TD-T	568-1090-1-ND	Low Power Clock/Calendar	8-SOIC	2.25	1.80	1.40
PCF8593TD-T	568-1090-2-ND	Low Power Clock/Calendar	8-SOIC		3150.00/2,500	

NXP Semiconductors — SIGNAL CONTROLLERS

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Audio Processors / CODECS						
SAF7113HB	568-1319-ND	9-Bit Video Input Processor	44-QFP	19.50	18.20	16.90
TEA6320TD	568-1148-5-ND	Sound Fader Control Circuit	32-SOIC	3.90	3.13	2.43
UCB1400BE-T	568-1323-1-ND	Audio CODEC with Touch Screen Controller	48-LQFP	5.40	4.32	3.65
UCB1400BE-T	568-1323-2-ND	Audio CODEC with Touch Screen Controller	48-LQFP		6750.00/2,000	
UDA1338HB	568-3447-ND	Multichannel Audio Coder/ Decoder ***NEW!***	44-PQFP	7.18	5.75	4.85
UDA1341TSDB	568-1154-5-ND	Economy Audio CODEC for MiniDisc Home Stereo	28-SSOP	6.21	4.97	4.20
UDA1342TSDB	568-1155-5-ND	Audio CODEC	28-SSOP	6.21	4.97	4.20
UDA1344TSDB	568-1156-5-ND	Low Voltage, Low Power Stereo Audio CODEC with DSP	28-SSOP	5.11	4.09	3.45
UDA1345TSDB	568-1157-5-ND	Economy Audio CODEC	28-SSOP	3.42	2.74	2.13
UDA1361TSDK	568-1158-5-ND	96KHz Sampling 24-Bit Stereo Audio ADC	16-SSOP	3.42	2.74	2.13
UDA1384H	568-3450-ND	Multichannel Audio Coder/ Decoder ***NEW!***	44-PQFP	5.24	4.20	3.54
Media Processors						
PNX1300EH/G	568-1292-ND	2.5V, 143MHz Programmable	292-HBGA	28.50	26.60	24.70
PNX1301EH/G	568-1293-ND	2.5V, 180MHz Programmable	292-HBGA	31.50	29.40	27.30
PNX1302EH/G	568-1294-ND	2.5V, 200MHz Programmable	292-HBGA	34.50	32.20	29.90
PNX1311EH/G	568-1295-ND	2.2V, 166MHz Programmable	292-HBGA	34.50	32.20	29.90
PNX1500E/G	568-1296-ND	1.2V, 240MHz Audio/Video/Graphics System	456-BGA	52.50	49.00	45.50
PNX1501E/G	568-1297-ND	1.2V, 266MHz Audio/Video/Graphics System	456-BGA	63.00	58.80	54.60
PNX1502E/G	568-1298-ND	1.3V, 300MHz Audio/Video/Graphics System	456-BGA	75.00	70.00	65.00

NXP Semiconductors — SPECIALIZED ICs

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
KMZ51 T/R	568-2425-1-ND	Magnetic Field Sensor	8-SOIC	6.46	5.18	4.37
KMZ51 T/R	568-2425-2-ND	Magnetic Field Sensor	8-SOIC		4039.50/1,000	
KMZ52 /T3	568-2426-1-ND	Magnetic Field Sensor	16-SOIC	9.35	8.42	7.47
KMZ52 /T3	568-2426-2-ND	Magnetic Field Sensor	16-SOIC		17049.49/2,500	
NE57811S-T	568-2331-1-ND	DDR Memory Termination	5-SPAK	1.63	1.30	.98
NE57811S-T	568-2331-2-ND	DDR Memory Termination	5-SPAK		1690.00/2,000	
NE57814DD-T	568-2332-1-ND	DDR Memory Termination	8-HSO	1.30	1.04	.78
NE57814DD-T	568-2332-2-ND	DDR Memory Termination	8-HSO		1664.00/2,500	
TZA3047BV/HW-S	568-1189-ND	30Mbits to 1.25Gbits Laser Driver	32-HBCC	9.52	7.62	6.43

NXP Semiconductors — TEMPERATURE SENSORS

RoHS Compliant

NXP Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
KTY81/110	568-1003-ND	Silicon Temperature Sensor	SOD-70	1.36	1.09	.82
KTY81/121	568-3249-ND	Silicon Temperature Sensor ***NEW!***	SOD-70	1.36	1.09	.82
KTY81/210	568-3250-ND	Silicon Temperature Sensor ***NEW!***	SOD-70	1.36	1.09	.82
KTY81/220	568-3251-ND	Silicon Temperature Sensor ***NEW!***	SOD-70	1.38	1.15	.92
KTY81/222	568-3252-ND	Silicon Temperature Sensor ***NEW!***	SOD-70	1.36	1.09	.82
KTY83/110 T/R	568-3253-1-ND	Silicon Temperature Sensor ***NEW!***	DO-34	1.43	1.20	.96
KTY83/110 T/R	568-3253-2-ND	Silicon Temperature Sensor ***NEW!***	DO-34		5951.25/10,000	
KTY83/122 T/R	568-3248-1-ND	Silicon Temperature Sensor ***NEW!***	DO-34	1.43	1.20	.96
KTY83/122 T/R	568-3248-2-ND	Silicon Temperature Sensor ***NEW!***	DO-34		5951.25/10,000	
KTY84/130 T/R	568-3254-1-ND	Silicon Temperature Sensor ***NEW!***	DO-34	1.83	1.47	1.10
KTY84/130 T/R	568-3254-2-ND	Silicon Temperature Sensor ***NEW!***	DO-34		8959.65/10,000	
LM75AD/G-T	568-1889-1-ND	Digital Temp. Sensor and Thermal Watchdog™	8-SOIC	1.20	1.00	.80
LM75AD/G-T	568-1889-2-ND	Digital Temp. Sensor and Thermal Watchdog™	8-SOIC		1300.00/2,500	
NE1617ADS/G	568-1899-ND	Temp. Monitor for Microprocessor Systems	16-SSOP	2.28	1.82	1.37
SA56004AD	568-3329-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004ADP-T	568-3330-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004ADP-T	568-3330-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004BD	568-3331-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004BDP-T	568-3332-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004BDP-T	568-3332-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004CD	568-3333-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004CDP-T	568-3334-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004CDP-T	568-3334-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004DD	568-3335-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004DDP-T	568-3336-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004DDP-T	568-3336-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004ED	568-3337-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004EDP-T	568-3338-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004EDP-T	568-3338-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004FD	568-3339-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004FDP-T	568-3340-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004FDP-T	568-3340-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004GD	568-3341-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004GDP-T	568-3342-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004GDP-T	568-3342-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SA56004HD	568-3343-5-ND	Digital Temperature Sensor ***NEW!***	8-SOIC	1.05	.88	.70
SA56004HDP-T	568-3344-1-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP	1.05	.88	.70
SA56004HDP-T	568-3344-2-ND	Digital Temperature Sensor ***NEW!***	8-TSSOP		1137.50/2,500	
SE95DP-T	568-2051-1-ND	Ultra High Accuracy Digital Temp. Sensor and Thermal Watchdog™	8-TSSOP	1.20	1.00	.80
SE95DP-T	568-2051-2-ND	Ultra High Accuracy Digital Temp. Sensor and Thermal Watchdog™	8-TSSOP		1300.00/2,500	
SE98PW-T	568-3346-1-ND	SO-DIMM SMBus I²C Temperature Sensor ***NEW!***	8-TSSOP	1.48	1.18	.89
SE98PW-T	568-3346-2-ND	SO-DIMM SMBus I²C Temperature Sensor ***NEW!***	8-TSSOP		1888.00/2,500	
SE98TK-T	568-3347-1-ND	SO-DIMM SMBus I²C Temperature Sensor ***NEW!***	8-HVSON	1.60	1.28	.96
SE98TK-T	568-3347-2-ND	SO-DIMM SMBus I²C Temperature Sensor ***NEW!***	8-HVSON		4800.00/6,000	

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
INA331AIDGKT	296-12202-1-ND	Low Power, CMOS Instr. Amp	8-MSOP	2.81	2.25	1.75
INA331AIDGKT	296-12202-2-ND	Low Power, CMOS Instr. Amp	8-MSOP		415.75/250	
INA331IDGKT	296-12203-1-ND	Low Power, CMOS Instr. Amp	8-MSOP	3.71	2.97	2.31
INA331IDGKT	296-12203-2-ND	Low Power, CMOS Instr. Amp	8-MSOP		548.75/250	
INA332AIDGKT	296-12204-1-ND	Low Power, CMOS Instr. Amp	8-MSOP	2.38	1.90	1.43
INA332AIDGKT	296-12204-2-ND	Low Power, CMOS Instr. Amp	8-MSOP		332.50/250	
INA337AIDGKT	296-13453-1-ND	Wide Temperature, Precision Instrumentation Amplifier	8-MSOP	4.50	3.60	2.80
INA337AIDGKT	296-13453-2-ND	Wide Temperature, Precision Instrumentation Amplifier	8-MSOP		665.00/250	
INA338AIDGST	296-13454-1-ND	Wide Temperature, Precision Instr. Amp. with Shutdown	10-MSOP	4.84	3.87	3.01
INA338AIDGST	296-13454-2-ND	Wide Temperature, Precision Instr. Amp. with Shutdown	10-MSOP		715.00/250	
INA2126EA/250	INA2126EACT-ND	Dual, Micropower Instr. Amp	16-SSOP	4.28	3.42	2.66
INA2126EA/250	INA2126EATR-ND	Dual, Micropower Instr. Amp	16-SSOP		631.75/250	
INA2126E/250	INA2126ECT-ND	Dual, Micropower Instr. Amp	16-SSOP	5.56	4.45	3.46
INA2126E/250	INA2126ETR-ND	Dual, Micropower Instr. Amp	16-SSOP		825/250	
INA2126P	INA2126P-ND	Dual, Micropower Instr. Amp	16-Dip	4.82	3.86	3.00
INA2126PA	INA2126PA-ND	Dual, Micropower Instr. Amp	16-Dip	3.65	2.92	2.27
INA2126U	INA2126U-ND	Dual, Micropower Instr. Amp	16-SOIC	4.82	3.86	3.00
INA2126UA	INA2126UA-ND	Dual, Micropower Instr. Amp	16-SOIC	3.65	2.92	2.27
INA2128UA	INA2128UA-ND	Dual, Low-Power Instr. Amp	16-SOIC	9.32	7.46	6.30
INA2132U	INA2132U-ND	Dual, LP, Single-Supply Diff. Amp	14-SOIC	5.29	4.23	3.29
INA2132UA	INA2132UA-ND	Dual, LP, Single-Supply Diff. Amp	14-SOIC	4.05	3.24	2.52
INA2133U	INA2133U-ND	Dual, High-Speed, Diff. Amp	14-SOIC	5.29	4.23	3.29
INA2133UA	INA2133UA-ND	Dual, High-Speed, Diff. Amp	14-SOIC	4.05	3.24	2.52
INA2134PA	INA2134PA-ND	Dual, Audio Differential Line Receiver	14-Dip	3.83	3.06	2.38
INA2134UA	INA2134UA-ND	Dual, Audio Differential Line Receiver	14-SOIC	3.83	3.06	2.38
INA2137PA	INA2137PA-ND	Dual, Audio Differential Line Receiver	14-Dip	3.83	3.06	2.38
INA2137UA	INA2137UA-ND	Dual, Audio Differential Line Receiver	14-SOIC	3.83	3.06	2.38
INA2141U	INA2141U-ND	Dual, Gain=10,100 Instr. Amp	16-SOIC	14.41	12.98	11.51
INA2141UA	INA2141UA-ND	Dual, Gain=10,100 Instr. Amp	16-SOIC	8.95	8.06	7.15
INA2143U	INA2143U-ND	Dual, High Speed Precision Gain=10 Difference Amp	14-SOIC	5.06	4.05	3.15
INA2143UA	INA2143UA-ND	Dual, High Speed Precision Gain=10 Difference Amp	14-SOIC	3.83	3.06	2.38
INA2321EA/250	INA2321EACT-ND	Micropower CMOS R/R Instr. Amp	14-TSSOP	4.39	3.51	2.73
INA2321EA/250	INA2321EATR-ND	Micropower CMOS R/R Instr. Amp	14-TSSOP		648.50/250	
INA2322EA/250	INA2322EACT-ND	Micropower CMOS R/R Instr. Amp	14-TSSOP	3.71	2.97	2.31
INA2322EA/250	INA2322EATR-ND	Micropower CMOS R/R Instr. Amp	14-TSSOP		548.75/250	
INA2331AIPWRCT	INA2331AIPWRCT-ND	LP R/R CMOS Instr. Amp	14-TSSOP	4.05	3.24	2.52
INA2331AIPWR	INA2331AIPWRTR-ND	LP R/R CMOS Instr. Amp	14-TSSOP		5670.00/2,500	
INA2331AIPW	296-17647-1-ND	LP R/R CMOS Instr. Amp	14-TSSOP	4.39	3.51	2.73
INA2331AIPWT	296-17647-2-ND	LP R/R CMOS Instr. Amp	14-TSSOP		648.50/250	
INA2332AIPWRCT	INA2332AIPWRCT-ND	LP R/R CMOS Instr. Amp	14-TSSOP	3.04	2.43	1.89
INA2332AIPWR	INA2332AIPWRTR-ND	LP R/R CMOS Instr. Amp	14-TSSOP		4252.50/2,500	
ISO100AP	ISO100AP-ND	Low Leakage Isolation Amp	18-Dip	125.46	117.10	108.74
ISO121BG	296-12577-5-ND	2500 VRMS Precision Isolation Amp	40-Dip	110.10	102.76	95.42
ISO122JP	ISO122JP-ND	Low-Cost Precision Isolation Amp	16-Dip	15.66	14.10	12.51
ISO122JU	ISO122JU-ND	Low-Cost Precision Isolation Amp	28-SOIC	15.66	14.10	12.51
ISO122P	ISO122P-ND	Low-Cost Precision Isolation Amp	16-Dip	17.55	16.38	15.21
ISO122U	ISO122U-ND	Low-Cost Precision Isolation Amp	28-SOIC	17.55	16.38	15.21
ISO124P	ISO124P-ND	Low-Cost Precision Isolation Amp	16-Dip	12.00	10.80	9.58
ISO124U	ISO124U-ND	Low-Cost Precision Isolation Amp	28-SOIC	12.00	10.80	9.58
ISO150AU	ISO150AU-ND	Dual, Isolated, Bi-Dir. Digital Coupler	28-SOIC	13.49	12.15	10.78
ISO506P	ISO506P-ND	Uni-Directional Isolated Digital Coupler	24-Dip	12.69	11.43	10.14
ISO722DR	296-19768-1-ND	3.3V/5V HS Digital Isolator ***NEW!***	8-SOIC	3.94	3.15	2.45
ISO722DR	296-19768-2-ND	3.3V/5V HS Digital Isolator ***NEW!***	8-SOIC		5512.50/2,500	
ISO722MDR	296-19769-1-ND	3.3V/5V HS Digital Isolator ***NEW!***	8-SOIC	3.94	3.15	2.45
ISO722MDR	296-19769-2-ND	3.3V/5V HS Digital Isolator ***NEW!***	8-SOIC		5512.50/2,500	
LF347BD	296-7136-5-ND	Quad WB JFET Op Amp	14-SOIC	1.50	1.20	.90
LF347D	296-7137-5-ND	Quad WB JFET Op Amp	14-SOIC	.68	.51	.39
LF347DR	296-7137-1-ND	Quad WB JFET Op Amp	14-SOIC	.68	.51	.39
LF347DT	296-7137-2-ND	Quad WB JFET Op Amp	14-SOIC		552.50/2,500	
LF347N	296-7138-5-ND	Quad WB JFET Op Amp	14-Dip	.68	.51	.39
LF353D	296-1384-5-ND	Dual JFET Op Amp	8-SOIC	.48	.36	.27
LF353DR	296-14587-1-ND	Dual JFET Op Amp	8-SOIC	.48	.36	.27
LF353DR	296-14587-2-ND	Dual JFET Op Amp	8-SOIC		250.00/2,500	
LF353P	296-7139-5-ND	Dual JFET Op Amp	8-Dip	.53	.40	.30
LF411CD	296-12846-5-ND	High Speed JFET Op Amp	8-SOIC	1.05	.88	.70
LF412CD	296-7140-5-ND	Dual JFET Op Amp	8-SOIC	1.14	.95	.76
LF412CDR	296-14588-1-ND	Dual JFET Op Amp	8-SOIC	1.14	.95	.76
LF412CDR	296-14588-2-ND	Dual JFET Op Amp	8-SOIC		1235.00/2,500	
LF412CP	296-7141-5-ND	Dual JFET Op Amp	8-Dip	1.14	.95	.76
LM124DR	296-16907-1-ND	Quad Op Amp	14-SOIC	.92	.69	.52
LM124DR	296-16907-2-ND	Quad Op Amp	14-SOIC		747.50/2,500	
LM224AD	296-7029-5-ND	Quad Op Amp	14-SOIC	.60	.45	.34
LM224ADR	296-7029-1-ND	Quad Op Amp	14-SOIC	.60	.45	.34
LM224ADR	296-7029-2-ND	Quad Op Amp	14-SOIC		487.50/2,500	
LM224DR	296-12847-1-ND	Quad Op Amp	14-SOIC	.55	.44	.33
LM224DR	296-12847-2-ND	Quad Op Amp	14-SOIC		372.50/2,500	
LM224KADR	296-18433-1-ND	Quad Op Amp	14-SOIC	.54	.41	.31
LM224KADR	296-18433-2-ND	Quad Op Amp	14-SOIC		440.00/2,500	
LM224KAN	296-18434-5-ND	Quad Op Amp	14-Dip	.54	.41	.31
LM224KDR	296-18435-1-ND	Quad Op Amp	14-SOIC	.54	.41	.31
LM224KDR	296-18435-2-ND	Quad Op Amp	14-SOIC		440.00/2,500	
LM224KN	296-18436-5-ND	Quad Op Amp	14-Dip	.54	.41	.31
LM224N	296-7030-5-ND	Quad Op Amp	14-Dip	.55	.44	.33
LM236D-2-5	296-7031-5-ND	2.5V Integrated Reference Circuit	8-SOIC	1.25	1.00	.75
LM237KC	296-7032-5-ND	3-Terminal Adj. Voltage Regulator	TO-220AB	1.25	1.00	.75
LM248D	296-6622-5-ND	Quad Op Amp	14-SOIC	.90	.75	.60
LM248N	296-6623-5-ND	Quad Op Amp	14-Dip	.90	.75	.60
LM258ADGKR	296-17216-1-ND	Dual Op Amp	8-VSSOP	1.25	1.00	.75
LM258ADGKR	296-17216-2-ND	Dual Op Amp	8-VSSOP		845.00/2,500	
LM258ADR	296-15169-1-ND	Dual Op Amp	8-SOIC	.75	.63	.50
LM258ADR	296-15169-2-ND	Dual Op Amp	8-SOIC		812.50/2,500	
LM258D	296-6624-5-ND	Dual Op Amp	8-SOIC	.55	.44	.33
LM258DGKR	296-17217-1-ND	Dual Op Amp	8-VSSOP	.60	.48	.36
LM258DGKR	296-17217-2-ND	Dual Op Amp	8-VSSOP		405.00/2,500	
LM258DR	296-14591-1-ND	Dual Op Amp	8-SOIC	.55	.44	.33
LM258DR	296-14591-2-ND	Dual Op Amp	8-SOIC		372.50/2,500	
LM258P	296-6625-5-ND	Dual Op Amp	8-Dip	.55	.44	.33
LM293ADGKR	296-17218-1-ND	Dual Differential Comparator	8-VSSOP	.60	.48	.36
LM293ADGKR	296-17218-2-ND	Dual Differential Comparator	8-VSSOP		405.00/2,500	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM293DGKR	296-17219-1-ND	Dual Differential Comparator	8-VSSOP	.55	.44	.33
LM293DGKR	296-17219-2-ND	Dual Differential Comparator	8-VSSOP		372.50/2,500	
LM318D	296-9538-5-ND	Single High Speed Op Amp	8-SOIC	1.20	1.00	.80
LM318P	296-9539-5-ND	Single High Speed Op Amp	8-Dip	1.20	1.00	.80
LM324AD	296-9540-5-ND	Quad General Purpose Op Amp	14-SOIC	.50	.40	.30
LM324ADR	296-9540-1-ND	Quad General Purpose Op Amp	14-SOIC	.50	.40	.30
LM324ADR	296-9540-2-ND	Quad General Purpose Op Amp	14-SOIC		337.50/2,500	
LM324ADBR	296-9541-1-ND	Quad General Purpose Op Amp	14-SSOP	.48	.36	.27
LM324ADBR	296-9541-2-ND	Quad General Purpose Op Amp	14-SSOP		302.50/2,000	
LM324AN	296-9542-5-ND	Quad General Purpose Op Amp	14-Dip	.50	.40	.30
LM324ANSR	296-9543-1-ND	Quad General Purpose Op Amp	14-SOP	.50	.40	.30
LM324ANSR	296-9543-2-ND	Quad General Purpose Op Amp	14-SOP		280.00/2,000	
LM324APWR	296-9544-1-ND	Quad General Purpose Op Amp	14-TSSOP	.50	.40	.30
LM324APWR	296-9544-2-ND	Quad General Purpose Op Amp	14-TSSOP		280.00/2,000	
LM324D	296-1390-5-ND	Quad General Purpose Op Amp	14-SOIC	.45	.36	.27
LM324DR	296-14597-1-ND	Quad General Purpose Op Amp	14-SOIC	.45	.36	.27
LM324DR	296-14597-2-ND	Quad General Purpose Op Amp	14-SOIC		305.00/2,500	
LM324KADR	296-18447-1-ND	Quad General Purpose Op Amp	14-SOIC	.53	.42	.32
LM324KADR	296-18447-2-ND	Quad General Purpose Op Amp	14-SOIC		355.00/2,500	
LM324KAN	296-17882-5-ND	Quad General Purpose Op Amp	14-Dip	.53	.42	.32
LM324KANSR	296-18448-1-ND	Quad General Purpose Op Amp	14-SOP	.53	.42	.32
LM324KANSR	296-18448-2-ND	Quad General Purpose Op Amp	14-SOP		294.00/2,000	
LM324KAPWR	296-18449-1-ND	Quad General Purpose Op Amp	14-TSSOP	.53	.42	.32
LM324KAPWR	296-18449-2-ND	Quad General Purpose Op Amp	14-TSSOP		294.00/2,000	
LM324KDR	296-18450-1-ND	Quad General Purpose Op Amp	14-SOIC	.50	.40	.30
LM324KDR	296-18450-2-ND	Quad General Purpose Op Amp	14-SOIC		337.50/2,500	
LM324KN	296-18451-5-ND	Quad General Purpose Op Amp	14-Dip	.50	.40	.30
LM324KNSR	296-18452-1-ND	Quad General Purpose Op Amp	14-SOP	.50	.40	.30
LM324KNSR	296-18452-2-ND	Quad General Purpose Op Amp	14-SOP		280.00/2,000	
LM324KPWR	296-18453-1-ND	Quad General Purpose Op Amp	14-TSSOP	.50	.40	.30
LM324KPWR	296-18453-2-ND	Quad General Purpose Op Amp	14-TSSOP		280.00/2,000	
LM324N	296-1391-5-ND	Quad General Purpose Op Amp	14-Dip	.45	.36	.27
LM324PWR	296-9545-1-ND	Quad General Purpose Op Amp	14-TSSOP	.45	.36	.27
LM324PWR	296-9545-2-ND	Quad General Purpose Op Amp	14-TSSOP		252.00/2,000	
LM348D	296-9552-5-ND	Quad General Purpose Op Amp	14-SOIC	.45	.36	.27
LM348DR	296-14600-1-ND	Quad General Purpose Op Amp	14-SOIC	.45	.36	.27
LM348DR	296-14600-2-ND	Quad General Purpose Op Amp	14-SOIC		305.00/2,500	
LM358AD	296-9553-5-ND	Dual Op Amp	8-SOIC	.50	.40	.30
LM358ADGKR	296-18455-1-ND	Dual Op Amp	8-MSOP	.50	.40	.30
LM358ADGKR	296-18455-2-ND	Dual Op Amp	8-MSOP		337.50/2,500	
LM358ADR	296-14601-1-ND	Dual Op Amp	8-SOIC	.50	.40	.30
LM358ADR	296-14601-2-ND	Dual Op Amp	8-SOIC		337.50/2,500	
LM358AP	296-9554-5-ND	Dual Op Amp	8-Dip	.50	.40	.30
LM358APWR	296-18456-1-ND	Dual Op Amp	8-TSSOP	.50	.40	.30
LM358APWR	296-18456-2-ND	Dual Op Amp	8-TSSOP		280.00/2,000	
LM358D	296-1014-5-ND	Dual Op Amp	8-SOIC	.45	.36	.27
LM358DGKR	296-18457-1-ND	Dual Op Amp	8-MSOP	.50	.40	.30
LM358DGKR	296-18457-2-ND	Dual Op Amp	8-MSOP		337.50/2,500	
LM358DR	296-1014-1-ND	Dual Op Amp	8-SOIC	.45	.36	.27
LM358DR	296-1014-2-ND	Dual Op Amp	8-SOIC		305.00/2,500	
LM358P	296-1395-5-ND	Dual Op Amp	8-Dip	.45	.36	.27
LM358PSR	296-1396-1-ND	Dual Op Amp	8-SOP	.45	.36	.27
LM358PSR	296-1396-2-ND	Dual Op Amp	8-SOP		252.00/2,000	
LM358PWR	296-9555-1-ND	Dual Op Amp	8-TSSOP	.45	.36	.27
LM358PWR	296-9555-2-ND	Dual Op Amp	8-TSSOP		252.00/2,000	
LM392DGKR	296-20644-1-ND	Low Power Op Amp and Voltage Comparator ***NEW!***	8-MSOP	1.29	1.08	.86
LM392DGKR	296-20644-2-ND	Low Power Op Amp and Voltage Comparator ***NEW!***	9-MSOP		1397.50/2,500	
LM2900DR	296-9525-1-ND	Quad Op Amp	14-SOIC	.50	.40	.30
LM2900DR	296-9525-2-ND	Quad Op Amp	14-SOIC		337.50/2,500	
LM2900N	296-9526-5-ND	Quad Op Amp	14-Dip	.50	.40	.30
LM2902DR	296-14594-1-ND	Quad Op Amp	14-SOIC	.50	.40	.30
LM2902DR	296-14594-2-ND	Quad Op Amp	14-SOIC		247.50/2,500	
LM2902KAVQDR	296-17253-1-ND	Quad Op Amp	14-SOIC	.52	.39	.30
LM2902KAVQDR	296-17253-2-ND	Quad Op Amp	14-SOIC		422.50/2,500	
LM2902KAVQDRQ1	296-18439-1-ND	Quad Op Amp	14-SOIC	.60	.45	.34
LM2902KAVQDRQ1	296-18439-2-ND	Quad Op Amp	14-SOIC		487.50/2,500	
LM2902KDR	296-18440-5-ND	Quad Op Amp	14-SOIC	.55	.44	.33
LM2902KN	296-18441-5-ND	Quad Op Amp	14-Dip	.55	.44	.33
LM2902KNSR	296-18442-1-ND	Quad Op Amp	14-SOP	.55	.44	.33
LM2902KNSR	296-18442-2-ND	Quad Op Amp	14-SOP		308.00/2,000	
LM2902KPWR	296-18443-1-ND	Quad Op Amp	14-TSSOP	.55	.44	.33
LM2902KPWR	296-18443-2-ND	Quad Op Amp	14-TSSOP		308.00/2,000	
LM2902KVQDR	296-17396-1-ND	Quad Op Amp	14-SOIC	.52	.39	.30
LM2902KVQDR	296-17396-2-ND	Quad Op Amp	14-SOIC		422.50/2,500	
LM2902KVQPWRQ1	296-17714-1-ND	Quad Op Amp	14-TSSOP	.56	.42	.32
LM2902KVQPWRQ1	296-17714-2-ND	Quad Op Amp	14-TSSOP		372.00/2,000	
LM2902QPWRQ1	296-16908-1-ND	Quad Op Amp	14-TSSOP	.76	.62	.43
LM2902QPWRQ1	296-16908-2-ND	Quad Op Amp	14-TSSOP		422.00/2,000	
LM2904AVQDRQ1	296-18445-1-ND	Dual General Purpose Op Amp	8-SOIC	.60	.45	.34
LM2904AVQDRQ1	296-18445-2-ND	Dual General Purpose Op Amp	8-SOIC		487.50/2,500	
LM2904AVQPWRQ1	296-17791-1-ND	Dual General Purpose Op Amp	8-TSSOP	.60	.48	.34
LM2904AVQPWRQ1	296-17791-2-ND	Dual General Purpose Op Amp	8-TSSOP		400.00/2,000	
LM2904D	296-9527-5-ND	Dual General Purpose Op Amp	8-SOIC	.50	.40	.30
LM2904DGKR	296-17931-1-ND	Dual General Purpose Op Amp	8-MSOP	.50	.40	.30
LM2904DGKR	296-17931-2-ND	Dual General Purpose Op Amp	8-MSOP		337.50/2,500	
LM2904DR	296-14596-1-ND	Dual General Purpose Op Amp	8-SOIC	.50	.40	.30
LM2904DR	296-14596-2-ND	Dual General Purpose Op Amp	8-SOIC		337.50/2,500	
LM2904P	296-9528-5-ND	Dual General Purpose Op Amp	8-Dip	.50	.40	.30
LM2904PWR	296-9529-1-ND	Dual General Purpose Op Amp	8-TSSOP	.50	.40	.30
LM2904PWR	296-9529-2-ND	Dual General Purpose Op Amp	8-TSSOP		280.00/2,000	
LM2904QPWRQ1	296-18446-1-ND	Dual General Purpose Op Amp	8-TSSOP	.48	.48	.27
LM2904QPWRQ1	296-18446-2-ND	Dual General Purpose Op Amp	8-TSSOP		320.00/2,000	
LM2904VQDRQ1	296-17099-1-ND	Dual General Purpose Op Amp	8-SOIC	.56	.42	.32
LM2904VQDRQ1	296-17099-2-ND	Dual General Purpose Op Amp	8-SOIC		455.00/2,500	
LM2904VQPWRQ1	296-19590-1-ND	Dual General Purpose Op Amp	8-TSSOP	.56	.42	.32
LM2904VQPWRQ1	296-19590-2-ND	Dual General Purpose Op Amp	8-TSSOP		372.00/2,000	
LM3900D	296-9564-5-ND	Quad Op Amp	14-SOIC	.96	.80	.64
LM3900DR	296-14604-1-ND	Quad Op Amp	14-SOIC	.96	.80	.64
LM3900DR	296-14604-2-ND	Quad Op Amp	14-SOIC		1040.00/2,500	
LM3900N	296-9565-5-ND	Quad Op Amp	14-Dip	.96	.80	.64
LMV321IDBVR	296-9567-1-ND	Low Voltage R/R Op Amp	SOT-23-5	.78	.65	.52
LMV321IDBVR	296-9567-2-ND	Low Voltage R/R Op Amp	SOT-23-5		1014.00/3,000	
LMV321IDCKR	296-9568-1-ND	Low Voltage R/R Op Amp	SC70-5	.68	.51	.38

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LMV321IDCKR	296-9568-2-ND	Low Voltage R/R Op Amp	SC70-5		558.00/3,000	
LMV324ID	296-9569-5-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.80	.60	.45
LMV324IDR	296-9569-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.80	.60	.45
LMV324IDR	296-9569-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		650.00/2,500	
LMV324IDRQ1	296-18458-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.60	.45	.34
LMV324IDRQ1	296-18458-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		487.50/2,500	
LMV324IPWR	296-9570-1-ND	Quad Low Voltage R/R Op Amp	14-TSSOP	.88	.66	.50
LMV324IPWR	296-9570-2-ND	Quad Low Voltage R/R Op Amp	14-TSSOP		586.00/2,000	
LMV324QDR	296-17467-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.96	.72	.54
LMV324QDR	296-17467-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		780.00/2,500	
LMV324QDRQ1	296-19470-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.60	.45	.34
LMV324QDRQ1	296-19470-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		487.50/2,500	
LMV324QPWR	296-17468-1-ND	Quad Low Voltage R/R Op Amp	14-TSSOP	.96	.72	.54
LMV324QPWR	296-17468-2-ND	Quad Low Voltage R/R Op Amp	14-TSSOP		638.00/2,000	
LMV324QPWRQ1	296-19542-1-ND	Quad Low Voltage R/R Op Amp	14-TSSOP	.60	.45	.34
LMV324QPWRQ1	296-19542-2-ND	Quad Low Voltage R/R Op Amp	14-TSSOP		400.00/2,000	
LMV324SIDR	296-15361-1-ND	Quad Low Voltage R/R Op Amp	16-SOIC	.96	.72	.54
LMV324SIDR	296-15361-2-ND	Quad Low Voltage R/R Op Amp	16-SOIC		780.00/2,500	
LMV324SIPWR	296-15362-1-ND	Quad Low Voltage R/R Op Amp	16-TSSOP	.96	.72	.54
LMV324SIPWR	296-15362-2-ND	Quad Low Voltage R/R Op Amp	16-TSSOP		638.00/2,000	
LMV341IDBVR	296-17843-1-ND	R/R Out, CMOS Op Amp	SOT-23-6	.80	.60	.45
LMV341IDBVR	296-17843-2-ND	R/R Out, CMOS Op Amp	SOT-23-6		780.00/3,000	
LMV341IDCKR	296-17359-1-ND	R/R Out, CMOS Op Amp	SC70-6	.80	.60	.45
LMV341IDCKR	296-17359-2-ND	R/R Out, CMOS Op Amp	SC70-6		780.00/3,000	
LMV344IPWR	296-18596-1-ND	R/R Out, CMOS Op Amp	14-TSSOP	.75	.63	.50
LMV344IPWR	296-18596-2-ND	R/R Out, CMOS Op Amp	14-TSSOP		666.00/2,000	
LMV358IDDUR	296-16705-1-ND	Dual Low Voltage R/R Op Amp	8-VSSOP	.80	.60	.45
LMV358IDDUR	296-16705-2-ND	Dual Low Voltage R/R Op Amp	8-VSSOP		780.00/3,000	
LMV358IDGKR	296-13455-1-ND	Dual Low Voltage R/R Op Amp	8-VSSOP	.88	.66	.50
LMV358IDGKR	296-13455-2-ND	Dual Low Voltage R/R Op Amp	8-VSSOP		715.00/2,500	
LMV358IDR	296-9571-1-ND	Dual Low Voltage R/R Op Amp	8-SOIC	.80	.60	.45
LMV358IDR	296-9571-2-ND	Dual Low Voltage R/R Op Amp	8-SOIC		650.00/2,500	
LMV358IDRQ1	296-17648-1-ND	Dual Low Voltage R/R Op Amp	8-SOIC	.88	.66	.50
LMV358IDRQ1	296-17648-2-ND	Dual Low Voltage R/R Op Amp	8-SOIC		715.00/2,500	
LMV358IPWR	296-9572-1-ND	Dual Low Voltage R/R Op Amp	8-TSSOP	.88	.66	.50
LMV358IPWR	296-9572-2-ND	Dual Low Voltage R/R Op Amp	8-TSSOP		586.00/2,000	
LMV358QDDUR	296-17469-1-ND	Dual Low Voltage R/R Op Amp	8-VSSOP	.78	.60	.42
LMV358QDDUR	296-17469-2-ND	Dual Low Voltage R/R Op Amp	8-VSSOP		1014.00/3,000	
LMV358QDGKR	296-17470-1-ND	Dual Low Voltage R/R Op Amp	8-MSOP	.78	.65	.52
LMV358QDGKR	296-17470-2-ND	Dual Low Voltage R/R Op Amp	8-MSOP		845.00/2,500	
LMV358QDR	296-17471-1-ND	Dual Low Voltage R/R Op Amp	8-SOIC	.96	.72	.54
LMV358QDR	296-17471-2-ND	Dual Low Voltage R/R Op Amp	8-SOIC		780.00/2,500	
LMV358QPWR	296-17472-1-ND	Dual Low Voltage R/R Op Amp	8-TSSOP	.96	.72	.54
LMV358QPWR	296-17472-2-ND	Dual Low Voltage R/R Op Amp	8-TSSOP		638.00/2,000	
LMV710IDBVR	296-17853-1-ND	Low Power R/R I/O Op Amp	SOT-23-5	.93	.78	.62
LMV710IDBVR	296-17853-2-ND	Low Power R/R I/O Op Amp	SOT-23-5		1209.00/3,000	
LMV710IDCKR	296-17854-1-ND	Low Power R/R I/O Op Amp	SC70-5	.93	.78	.62
LMV710IDCKR	296-17854-2-ND	Low Power R/R I/O Op Amp	SC70-5		1209.00/3,000	
LMV711IDBVR	296-18000-1-ND	Single, Low Power, R/R I/O Op Amp	SOT-23-5	.93	.78	.62
LMV711IDBVR	296-18000-2-ND	Single, Low Power, R/R I/O Op Amp	SOT-23-5		1209.00/3,000	
LMV711IDCKR	296-18001-1-ND	Single, Low Power, R/R I/O Op Amp	SC70-6	.93	.78	.62
LMV711IDCKR	296-18001-2-ND	Single, Low Power, R/R I/O Op Amp	SC70-6		1209.00/3,000	
LMV821DBVR	296-18459-1-ND	Single, Low Voltage, R/R Op Amp	SOT-23-5	.96	.72	.54
LMV821DBVR	296-18459-2-ND	Single, Low Voltage, R/R Op Amp	SOT-23-5		936.00/3,000	
LMV821DCKR	296-18460-1-ND	Single, Low Voltage, R/R Op Amp	SC70-5	.96	.72	.54
LMV821DCKR	296-18460-2-ND	Single, Low Voltage, R/R Op Amp	SC70-5		936.00/3,000	
LMV821IDBVR	296-18461-1-ND	Single, Low Voltage, R/R Op Amp	SOT-23-5	.90	.75	.60
LMV821IDBVR	296-18461-2-ND	Single, Low Voltage, R/R Op Amp	SOT-23-5		1170.00/3,000	
LMV821IDCKR	296-18462-1-ND	Single, Low Voltage, R/R Op Amp	SC70-5	.90	.75	.60
LMV821IDCKR	296-18462-2-ND	Single, Low Voltage, R/R Op Amp	SC70-5		1170.00/3,000	
LMV822DGKR	296-17406-1-ND	Dual Low Voltage R/R Op Amp	8-MSOP	.78	.65	.52
LMV822DGKR	296-17406-2-ND	Dual Low Voltage R/R Op Amp	8-MSOP		845.00/2,500	
LMV822DR	296-18463-1-ND	Dual Low Voltage R/R Op Amp	8-SOIC	.78	.65	.52
LMV822DR	296-18463-2-ND	Dual Low Voltage R/R Op Amp	8-SOIC		845.00/2,500	
LMV822IDGKR	296-17407-1-ND	Dual Low Voltage R/R Op Amp	8-MSOP	.96	.80	.64
LMV822IDGKR	296-17407-2-ND	Dual Low Voltage R/R Op Amp	8-MSOP		1040.00/2,500	
LMV822IDR	296-18464-1-ND	Dual Low Voltage R/R Op Amp	8-SOIC	.96	.80	.64
LMV822IDR	296-18464-2-ND	Dual Low Voltage R/R Op Amp	8-SOIC		1040.00/2,500	
LMV824DGVR	296-17522-1-ND	Quad Low Voltage R/R Op Amp	14-TVSOP	1.02	.85	.68
LMV824DGVR	296-17522-2-ND	Quad Low Voltage R/R Op Amp	14-TVSOP		904.00/2,000	
LMV824DR	296-18465-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	.96	.80	.64
LMV824DR	296-18465-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		1040.00/2,500	
LMV824IDGVR	296-17523-1-ND	Quad Low Voltage R/R Op Amp	14-TVSOP	1.29	1.08	.86
LMV824IDGVR	296-17523-2-ND	Quad Low Voltage R/R Op Amp	14-TVSOP		1144.00/2,000	
LMV824IDR	296-18466-1-ND	Quad Low Voltage R/R Op Amp	14-SOIC	1.23	1.03	.82
LMV824IDR	296-18466-2-ND	Quad Low Voltage R/R Op Amp	14-SOIC		1332.50/2,500	
LMV824IPWR	296-18467-1-ND	Quad Low Voltage R/R Op Amp	14-TSSOP	1.23	1.03	.82
LMV824IPWR	296-18467-2-ND	Quad Low Voltage R/R Op Amp	14-TSSOP		1090.00/2,000	
LMV824PWR	296-18468-1-ND	Quad Low Voltage R/R Op Amp	14-TSSOP	.96	.80	.64
LMV824PWR	296-18468-2-ND	Quad Low Voltage R/R Op Amp	14-TSSOP		852.00/2,000	
LMV931IDBVR	296-18469-1-ND	1.8V R/R In/Out Op Amp	SOT-23-5	.78	.65	.52
LMV931IDBVR	296-18469-2-ND	1.8V R/R In/Out Op Amp	SOT-23-5		1014.00/3,000	
LMV931IDCKR	296-17996-1-ND	1.8V R/R In/Out Op Amp	SC70-5	.78	.65	.52
LMV931IDCKR	296-17996-2-ND	1.8V R/R In/Out Op Amp	SC70-5		1014.00/3,000	
LMV931QDBVRQ1	296-19312-1-ND	1.8V R/R In/Out Op Amp	SOT-23-5	1.02	.85	.68
LMV931QDBVRQ1	296-19312-2-ND	1.8V R/R In/Out Op Amp	SOT-23-5		1326.00/3,000	
LMV932IDGKR	296-17910-1-ND	1.8V Dual Op Amp	8-MSOP	.96	.80	.64
LMV932IDGKR	296-17910-2-ND	1.8V Dual Op Amp	8-MSOP		1040.00/2,500	
LMV932IDR	296-17911-1-ND	1.8V Dual Op Amp	8-SOIC	.84	.70	.56
LMV932IDR	296-17911-2-ND	1.8V Dual Op Amp	8-SOIC		910.00/2,500	
LMV961IDBVR	296-18470-1-ND	1.8V R/R In/Out Op Amp with Shutdown	SOT-23-6	.96	.80	.64
LMV981IDBVR	296-18470-2-ND	1.8V R/R In/Out Op Amp with Shutdown	SOT-23-6		1248.00/3,000	
LMV981IDCKR	296-18471-1-ND	1.8V R/R In/Out Op Amp with Shutdown	SC70-6	.96	.80	.64
LMV981IDCKR	296-18471-2-ND	1.8V R/R In/Out Op Amp with Shutdown	SC70-6		1248.00/3,000	
LMV982IDGSR	296-17949-1-ND	1.8V R/R In/Out Op Amp	10-MSOP	1.08	.90	.72
LMV982IDGSR	296-17949-2-ND	1.8V R/R In/Out Op Amp	10-MSOP		1170.00/2,500	
LOG100JP	LOG100JP-ND	Prec. Logarithmic/Log Ratio Amp	14-Dip	141.92	132.46	123.00
LOG101AID	296-12850-5-ND	Prec. Logarithmic/Log Ratio Amp	8-SOIC	11.58	10.43	9.25
LOG102AID-ND	LOG102AID-ND	Prec. Logarithmic/Log Ratio Amp	14-SOIC	12.08	10.88	9.65
LOG104AID	296-12851-5-ND	Prec. Logarithmic/Log Ratio Amp	8-SOIC	11.58	10.43	9.25
LOG112AID	296-13456-5-ND	Precision Logarithmic and Log Ratio Amp with On Chip 2.5 Volt. Reference	14-SOIC	13.16	11.85	10.51

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LOG2112AIDW	296-13815-5-ND	Precision Logarithmic Amp	16-SOIC	17.03	15.89	14.76
LP324DR	296-17953-1-ND	Ultra Low Power, Quad Op Amp	14-SOIC	.60	.45	.34
LP324DR	296-17953-2-ND	Ultra Low Power, Quad Op Amp	14-SOIC		487.50/2,500	
LP324N	296-17954-5-ND	Ultra Low Power, Quad Op Amp	14-Dip	.60	.45	.34
LP324PWR	296-17955-1-ND	Ultra Low Power, Quad Op Amp	14-TSSOP	.72	.54	.41
LP324PWR	296-17955-2-ND	Ultra Low Power, Quad Op Amp	14-TSSOP		478.00/2,000	
LP2902DR	296-17950-1-ND	Ultra Low Power, Quad Op Amp	14-SOIC	.92	.69	.52
LP2902DR	296-17950-2-ND	Ultra Low Power, Quad Op Amp	14-SOIC		747.50/2,500	
LP2902N	296-17951-5-ND	Ultra Low Power, Quad Op Amp	14-Dip	.92	.69	.52
LP2902PWR	296-17952-1-ND	Ultra Low Power, Quad Op Amp	14-TSSOP	.78	.65	.52
LP2902PWR	296-17952-2-ND	Ultra Low Power, Quad Op Amp	14-TSSOP		692.00/2,000	
LPV321IDBVR	296-17715-1-ND	Low Volt., Low Power, R/R Op Amp	SOT-23-5	.92	.69	.52
LPV321IDBVR	296-17715-2-ND	Low Volt., Low Power, R/R Op Amp	SOT-23-5		897.00/3,000	
LPV321IDCKR	296-17716-1-ND	Low Volt., Low Power, R/R Op Amp	SC70-5	.92	.69	.52
LPV321IDCKR	296-17716-2-ND	Low Volt., Low Power, R/R Op Amp	SC70-5		897.00/3,000	
LPV321IDBVR	296-17717-1-ND	Low Volt., Low Power, R/R Op Amp	SOT-23-5	.78	.65	.52
LPV321IDBVR	296-17717-2-ND	Low Volt., Low Power, R/R Op Amp	SOT-23-5		1014.00/3,000	
LPV321IDCKR	296-17718-1-ND	Low Volt., Low Power, R/R Op Amp	SC70-5	.78	.65	.52
LPV321IDCKR	296-17718-2-ND	Low Volt., Low Power, R/R Op Amp	SC70-5		1014.00/3,000	
LPV324DR	296-16815-1-ND	Quad, Low Voltage, R/R Op Amp	14-SOIC	.90	.75	.60
LPV324DR	296-16815-2-ND	Quad, Low Voltage, R/R Op Amp	14-SOIC		975.00/2,500	
LPV324IDR	296-16732-1-ND	Quad, Low Voltage, R/R Op Amp	14-SOIC	.88	.66	.50
LPV324IDR	296-16732-2-ND	Quad, Low Voltage, R/R Op Amp	14-SOIC		1105.00/2,500	
LPV324IPWR	296-16731-1-ND	Quad, Low Voltage, R/R Op Amp	14-TSSOP	1.02	.85	.68
LPV324IPWR	296-16731-2-ND	Quad, Low Voltage, R/R Op Amp	14-TSSOP		904.00/2,000	
LPV324PWR	296-16816-1-ND	Quad, Low Voltage, R/R Op Amp	14-TSSOP	.90	.75	.60
LPV324PWR	296-16816-2-ND	Quad, Low Voltage, R/R Op Amp	14-TSSOP		798.00/2,000	
LPV358IDDUR	296-17719-1-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-VSSOP	.75	.63	.50
LPV358IDDUR	296-17719-2-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-VSSOP		975.00/3,000	
LPV358DGKR	296-17761-1-ND	Dual, Low Volt., Low Power R/R Op Amp	8-VSSOP	.75	.63	.50
LPV358DGKR	296-17761-2-ND	Dual, Low Volt., Low Power R/R Op Amp	8-VSSOP		812.50/2,500	
LPV358DR	296-17720-1-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-SOIC	.75	.63	.50
LPV358DR	296-17720-2-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-SOIC		812.50/2,500	
LPV358IDDUR	296-17721-1-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-VSSOP	.84	.70	.56
LPV358IDDUR	296-17721-2-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-VSSOP		1092.00/3,000	
LPV358IDGKR	296-17762-1-ND	Dual, Low Volt., Low Power R/R Op Amp	8-VSSOP	.78	.65	.52
LPV358IDGKR	296-17762-2-ND	Dual, Low Volt., Low Power R/R Op Amp	8-VSSOP		845.00/2,500	
LPV358IDR	296-17722-1-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-SOIC	.78	.65	.52
LPV358IDR	296-17722-2-ND	Dual, Low Volt., Low Power, R/R Op Amp	8-SOIC		845.00/2,500	
LT1013CP	296-1399-5-ND	Dual Precision Op Amp	8-Dip	1.40	1.12	.84
LT1013DD	296-1400-5-ND	Dual Precision Op Amp	8-SOIC	1.55	1.24	.93
LT1013DDR	296-14615-1-ND	Dual Precision Op Amp	8-SOIC	1.55	1.24	.93
LT1013DDR	296-14615-2-ND	Dual Precision Op Amp	8-SOIC		880.00/2,500	
LT1013DIDR	296-12982-1-ND	Dual Precision Op Amp	8-SOIC	1.63	1.30	.98
LT1013DIDR	296-12982-2-ND	Dual Precision Op Amp	8-SOIC		2080.00/2,500	
LT1013DIP	296-7044-5-ND	Dual Precision Op Amp	8-Dip	1.63	1.30	.98
LT1013DP	296-7045-5-ND	Dual Precision Op Amp	8-Dip	1.55	1.24	.93
LT1014CN	296-14616-5-ND	Quad Precision Op Amp	14-Dip	4.28	3.42	2.66
LT1014DIDW	296-7046-5-ND	Quad Precision Op Amp	16-SOIC	4.95	3.96	3.08
LT1014DIN	296-13222-5-ND	Quad Precision Op Amp	14-Dip	4.95	3.96	3.08
LT1014DN	296-7047-5-ND	Quad Precision Op Amp	14-Dip	4.28	3.42	2.66
LT1030CDR	296-14617-1-ND	Quad Low Power Line Driver	14-SOIC	2.00	1.60	1.20
LT1030CDR	296-14617-2-ND	Quad Low Power Line Driver	14-SOIC		2560.00/2,500	
MC1458D	296-9601-5-ND	Dual General Purpose Op Amp	8-SOIC	.55	.44	.33
MC1458DR	296-14622-1-ND	Dual General Purpose Op Amp	8-SOIC	.55	.44	.33
MC1458DR	296-14622-2-ND	Dual General Purpose Op Amp	8-SOIC		372.50/2,500	
MC1458P	296-1403-5-ND	Dual General Purpose Op Amp	8-Dip	.55	.44	.33
MC3303D	296-7033-5-ND	Quad LP Op Amp, -40°C to 85°C	14-SOIC	.76	.57	.43
MC3303N	296-7034-5-ND	Quad LP Op Amp, -40°C to 85°C	14-Dip	.76	.57	.43
MC3303PWR	296-11661-1-ND	Quad LP Op Amp, -40°C to 85°C	14-TSSOP	.76	.57	.43
MC3303PWR	296-11661-2-ND	Quad LP Op Amp, -40°C to 85°C	14-TSSOP		506.00/2,000	
MC3403D	296-7035-5-ND	Quad Low Power GP Op Amp	14-SOIC	.76	.57	.43
MC3403DR	296-14623-1-ND	Quad Low Power GP Op Amp	14-SOIC	.76	.57	.43
MC3403DR	296-14623-2-ND	Quad Low Power GP Op Amp	14-SOIC		617.50/2,500	
MC3403N	296-1406-5-ND	Quad Low Power GP Op Amp	14-Dip	.76	.57	.43
MC3403NSR	296-1407-1-ND	Quad Low Power GP Op Amp	14-SOP	.76	.57	.43
MC3403NSR	296-1407-2-ND	Quad Low Power GP Op Amp	14-SOP		506.00/2,000	
MC3403PWR	296-7036-1-ND	Quad Low Power GP Op Amp	14-TSSOP	.76	.57	.43
MC3403PWR	296-7036-2-ND	Quad Low Power GP Op Amp	14-TSSOP		506.00/2,000	
MC3487D	296-7039-5-ND	Quad Differential Line Driver	16-SOIC	.75	.63	.50
MC33078DGKR	296-17855-1-ND	Dual High Speed Low Noise Op Amp	8-MSOP	.78	.65	.52
MC33078DGKR	296-17855-2-ND	Dual High Speed Low Noise Op Amp	8-MSOP		845.00/2,500	
MC33078DR	296-17723-1-ND	Dual High Speed Low Noise Op Amp	8-SOIC	.80	.60	.45
MC33078DR	296-17723-2-ND	Dual High Speed Low Noise Op Amp	8-SOIC		650.00/2,500	
MC33078P	296-17724-5-ND	Dual High Speed Low Noise Op Amp	8-Dip	.96	.72	.54
MPA4609IPFBT	296-16678-1-ND	Quad, Diff. I/O 2x1 Multiplexed High Gain Preamp	48-TQFP	9.10	7.28	6.15
MPA4609IPFBT	296-16678-2-ND	Quad, Diff. I/O 2x1 Multiplexed High Gain Preamp	48-TQFP		1478.75/250	
NE5532ADR	296-13621-1-ND	Dual Low Noise Op Amp	8-SOIC	.84	.70	.56
NE5532ADR	296-13621-2-ND	Dual Low Noise Op Amp	8-SOIC		910.00/2,500	
NE5532AP	296-7040-5-ND	Dual Low Noise Op Amp	8-Dip	.84	.70	.56
NE5532APSR	296-13103-1-ND	Dual Low Noise Op Amp	8-SOP	.84	.70	.56
NE5532APSR	296-13103-2-ND	Dual Low Noise Op Amp	8-SOP		744.00/2,000	
NE5532DR	296-13622-1-ND	Dual Low Noise Op Amp	8-SOIC	.80	.60	.45
NE5532DR	296-13622-2-ND	Dual Low Noise Op Amp	8-SOIC		650.00/2,500	
NE5532P	296-1410-5-ND	Dual Low Noise Op Amp	8-Dip	.80	.60	.45
NE5532PSR	296-12641-1-ND	Dual Low Noise Op Amp	8-SOP	.80	.60	.45
NE5532PSR	296-12641-2-ND	Dual Low Noise Op Amp	8-SOP		532.00/2,000	
NE5534ADR	296-16943-1-ND	Low Noise HS Audio Op Amp	8-SOIC	1.14	.95	.76
NE5534ADR	296-16943-2-ND	Low Noise HS Audio Op Amp	8-SOIC		1235.00/2,500	
NE5534AP	296-7042-5-ND	Low Noise HS Audio Op Amp	8-Dip	1.14	.95	.76

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C

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
OPA2343EA/250	OPA2343EATR-ND	Rail-to-Rail Op Amp	8-MSOP		332.50/250	
OPA2343UA	OPA2343UA-ND	Rail-to-Rail Op Amp	8-SOIC	2.15	1.72	1.29
OPA2344EA/250	OPA2344EACT-ND	Rail-to-Rail Op Amp	8-MSOP	2.79	2.24	1.74
OPA2344EA/250	OPA2344EATR-ND	Rail-to-Rail Op Amp	8-MSOP		412.25/250	
OPA2344PA	OPA2344PA-ND	Rail-to-Rail Op Amp	8-Dip	2.57	2.06	1.60
OPA2344UA	OPA2344UA-ND	Rail-to-Rail Op Amp	8-SOIC	2.57	2.06	1.60
OPA2345EA/250	OPA2345EACT-ND	Rail-to-Rail Op Amp	8-MSOP	2.79	2.24	1.74
OPA2345EA/250	OPA2345EATR-ND	Rail-to-Rail Op Amp	8-MSOP		412.25/250	
OPA2345UA	OPA2345UA-ND	Rail-to-Rail Op Amp	8-SOIC	2.57	2.06	1.60
OPA2347EA/250	OPA2347EACT-ND	Rail-to-Rail Op Amp	SOT-23-8	1.68	1.34	1.01
OPA2347EA/250	OPA2347EATR-ND	Rail-to-Rail Op Amp	SOT-23-8		234.50/250	
OPA2347UA	OPA2347UA-ND	Rail-to-Rail Op Amp	8-SOIC	1.55	1.24	.93
OPA2347UA/2K5	OPA2347UATR-ND	Rail-to-Rail Op Amp	8-SOIC		1985.00/2,500	
OPA2347YEDR	296-18694-1-ND	Rail-to-Rail Op Amp	8-WCSP	1.90	1.52	1.14
OPA2347YEDR	296-18694-2-ND	Rail-to-Rail Op Amp	8-WCSP		2919.00/3,000	
OPA2347YEDT	296-15210-1-ND	Rail-to-Rail Op Amp	8-WCSP	2.03	1.62	1.22
OPA2347YEDT	296-15210-2-ND	Rail-to-Rail Op Amp	8-WCSP		283.50/250	
OPA2348AID	296-15363-5-ND	Dual, High Speed, CMOS, R/R, In/Out Op Amp	8-SOIC	1.68	1.34	1.01
OPA2348AIDCNT	296-13008-1-ND	Dual, High Speed, CMOS, R/R, In/Out Op Amp	SOT-23-8	1.78	1.42	1.07
OPA2348AIDCNT	296-13008-2-ND	Dual, High Speed, CMOS, R/R, In/Out Op Amp	SOT-23-8		248.50/250	
OPA2349EA/250	OPA2349EACT-ND	Micropower Op Amp	SOT-23-8	2.36	1.89	1.47
OPA2349EA/250	OPA2349EATR-ND	Micropower Op Amp	SOT-23-8		349.25/250	
OPA2349UA	OPA2349UA-ND	Micropower Op Amp	8-SOIC	2.38	1.90	1.43
OPA2350EA/250	OPA2350EACT-ND	Dual, HS CMOS Op Amp, 35MHz	8-MSOP	3.96	3.17	2.47
OPA2350EA/250	OPA2350EATR-ND	Dual, HS CMOS Op Amp, 35MHz	8-MSOP		585.25/250	
OPA2350PA	OPA2350PA-ND	Dual, HS CMOS Op Amp, 35MHz	8-Dip	3.53	2.83	2.20
OPA2350UA	OPA2350UA-ND	Dual, HS CMOS Op Amp, 35MHz	8-SOIC	3.53	2.83	2.20
OPA2353EA/250	OPA2353EACT-ND	Low Cost, Dual, High-Speed CMOS Op Amp, 35MHz	8-MSOP	3.96	3.17	2.47
OPA2353EA/250	OPA2353EATR-ND	Low Cost, Dual, High-Speed CMOS Op Amp, 35MHz	8-MSOP		585.25/250	
OPA2353UA	OPA2353UA-ND	Low Cost, Dual, High-Speed CMOS Op Amp, 35MHz	8-SOIC	3.65	2.92	2.27
OPA2354AIDDA	296-13784-5-ND	High Speed 250MHz, R/R, I/O, CMOS Op Amp	8-SOIC	2.48	1.98	1.54
OPA2354AIDGKR	296-12642-1-ND	High Speed 250MHz, R/R, I/O, CMOS Op Amp	8-MSOP	2.48	1.98	1.54
OPA2354AIDGKR	296-12642-2-ND	High Speed 250MHz, R/R, I/O, CMOS Op Amp	8-MSOP		3485.00/2,500	
OPA2355DGSA/250	296-12132-1-ND	High Speed Video Op Amp	10-MSOP	2.59	2.07	1.61
OPA2355DGSA/250	296-12132-2-ND	High Speed Video Op Amp	10-MSOP		382.50/250	
OPA2356AID	296-12406-5-ND	200MHz, Dual, HS CMOS Op Amp	8-SOIC	2.59	2.07	1.61
OPA2356AIDGKT	296-19954-1-ND	200MHz, Dual, HS CMOS Op Amp ***NEW!***	8-MSOP	2.93	2.34	1.82
OPA2356AIDGKT	296-19954-2-ND	200MHz, Dual, HS CMOS Op Amp ***NEW!***	8-MSOP		432.25/250	
OPA2357AIDGST	OPA2357AIDGSTCT-ND	R/R, I/O, CMOS Op Amp with SD	10-MSOP	2.81	2.25	1.75
OPA2357AIDGST	OPA2357AIDGSTTR-ND	R/R, I/O, CMOS Op Amp with SD	10-MSOP		415.75/250	
OPA2363AIDGST	296-13874-1-ND	7MHz, Single Supply R/R Op Amp	10-MSOP	2.36	1.89	1.47
OPA2363AIDGST	296-13874-2-ND	7MHz, Single Supply R/R Op Amp	10-MSOP		349.25/250	
OPA2363IDGST	296-13875-1-ND	7MHz, Single Supply R/R Op Amp	10-MSOP	3.26	2.61	2.03
OPA2363IDGST.	296-13875-2-ND	7MHz, Single Supply R/R Op Amp	10-MSOP		482.25/250	
OPA2364AIDGKT	296-13876-1-ND	7MHz, Single Supply R/R Op Amp	8-MSOP	2.36	1.89	1.47
OPA2364AIDGKT	296-13876-2-ND	7MHz, Single Supply R/R Op Amp	8-MSOP		349.25/250	
OPA2364AIDR	296-13877-1-ND	7MHz, Single Supply R/R Op Amp	8-SOIC	2.38	1.90	1.43
OPA2364AIDR	296-13877-2-ND	7MHz, Single Supply R/R Op Amp	8-SOIC		3040.00/2,500	
OPA2364ID	296-13878-5-ND	7MHz, Single Supply R/R Op Amp	8-SOIC	3.04	2.43	1.89
OPA2364IDGKT	296-13879-1-ND	7MHz, Single Supply R/R Op Amp	8-MSOP	3.26	2.61	2.03
OPA2364IDGKT	296-13879-2-ND	7MHz, Single Supply R/R Op Amp	8-MSOP		482.25/250	
OPA2373AIDGST	296-18503-1-ND	6.5MHz, R/R In/Out Op Amp	10-MSOP	★75	1.40	1.05
OPA2373AIDGST	296-18503-2-ND	6.5MHz, R/R In/Out Op Amp	10-MSOP		245.00/250	
OPA2374AID	296-17933-ND	6.5MHz, R/R In/Out Op Amp	8-SOIC	1.63	1.30	.98
OPA2374AIDCNT	296-18504-1-ND	6.5MHz, R/R In/Out Op Amp	SOT-23-8	1.75	1.40	1.05
OPA2374AIDCNT	296-18504-2-ND	6.5MHz, R/R In/Out Op Amp	SOT-23-8		245.00/250	
OPA2379AID	296-19412-5-ND	1.8V, 90KHz R/R I/O Op Amp	8-SOIC	2.48	1.98	1.54
OPA2380AIDGKT	296-17046-1-ND	Precision, HS, Transimpedance Amp	8-MSOP	6.50	5.20	4.39
OPA2380AIDGKT	296-17046-2-ND	Precision, HS, Transimpedance Amp	8-MSOP		1056.25/250	
OPA2381AIDGKT	296-17413-1-ND	Precision, Low Power, 18MHz Transimpedance Amp	8-MSOP	5.00	4.00	3.38
OPA2381AIDGKT	296-17413-2-ND	Precision, Low Power, 18MHz Transimpedance Amp	8-MSOP		812.50/250	
OPA2381AIDRBT.	296-17559-1-ND	Precision, Low Power, 18MHz Transimpedance Amp	8-DFN	5.00	4.00	3.38
OPA2381AIDRBT	296-17559-2-ND	Precision, Low Power, 18MHz Transimpedance Amp	8-DFN		812.50/250	
OPA2541AM	OPA2541AM-ND	Dual, High Power Op Amp, 5A Out	TO-3	192.08	179.27	166.47
OPA2541BM	OPA2541BM-ND	Dual, High Power Op Amp, 5A Out	TO-3	198.39	188.17	171.94
OPA2544T	OPA2544T-ND	Dual, High-Volt./Current Op Amp	TO-220-11	18.00	16.80	15.60
OPA2604AP	OPA2604AP-ND	Dual, FET-Input, Low Distortion Op Amp	8-Dip	4.28	3.42	2.66
OPA2604AU	OPA2604AU-ND	Dual, FET-Input, Low Distortion Op Amp	8-SOIC	4.28	3.42	2.66
OPA2613ID	296-16916-5-ND	Dual, Wideband, High Output Current Op Amp	8-SOIC	3.31	2.65	2.06
OPA2613IDTJ	296-16917-5-ND	Dual, Wideband, High Output Current Op Amp	8-HSOP	3.74	2.99	2.33
OPA2614ID	296-17127-5-ND	Dual, High Gain Bandwidth, High Output Op Amp	8-SOIC	3.49	2.79	2.17
OPA2614IDTJ	296-17128-5-ND	Dual, High Gain Bandwidth, High Output Op Amp	8-HSOP	3.94	3.15	2.45
OPA2650E/250	OPA2650ECT-ND	Dual, Wideband, LP, Voltage Feedback Op Amp	8-MSOP	5.81	4.98	4.57
OPA2652E/250	OPA2652ECT-ND	Dual, Voltage Feedback Op Amp	SOT-23-8	2.79	2.24	1.74
OPA2652E/250	OPA2652ETR-ND	Dual, Voltage Feedback Op Amp	SOT-23-8		412.25/250	
OPA2652U	OPA2652U-ND	Dual, Voltage Feedback Op Amp	8-SOIC	2.45	1.97	1.53
OPA2674I-14D	296-15211-5-ND	Dual, Wideband, High Output Current Op Amp with Current Limit	14-SOIC	3.65	2.92	2.27
OPA2674I-14DR	296-19413-1-ND	Dual Wideband, High Output Current Op Amp with Current Limit	14-SOIC	3.65	2.92	2.27
OPA2674I-14DR	296-19413-2-ND	Dual Wideband, High Output Current Op Amp with Current Limit	14-SOIC		5102.50/2,500	
OPA2674ID	296-15212-5-ND	Dual, Wideband, High Output Current Op Amp with Current Limit	8-SOIC	3.65	2.92	2.27
OPA2677H	OPA2677H-ND	Dual, Wideband, High Output Current Op Amp	8-HSOP	3.96	3.17	2.47
OPA2677IRGVT	296-19471-1-ND	Dual, Wideband, High Output Current Op Amp	16-QFN	4.16	3.33	2.59
OPA2677IRGVT	296-19471-2-ND	Dual, Wideband, High Output Current Op Amp	16-QFN		615.25/250	
OPA2677U	OPA2677U-ND	Dual, Wideband, High Output Current Op Amp	8-SOIC	3.53	2.83	2.20
OPA2683ID	296-14172-5-ND	Dual, Very Low Power, Current Feedback Op Amp	8-SOIC	3.96	3.17	2.47
OPA2683IDCNT	296-14173-1-ND	Dual, Very Low Power, Current Feedback Op Amp	SOT-23-8	4.39	3.51	2.73
OPA2683IDCNT	296-14173-2-ND	Dual, Very Low Power, Current Feedback Op Amp	SOT-23-8		648.50/250	
OPA2684ID	296-13463-5-ND	Dual, Low Power, Current Feedback Op Amp	8-SOIC	4.50	3.60	2.80
OPA2684IDCNT	296-13994-1-ND	Dual, Low Power Op Amp	SOT-23-8	4.93	3.95	3.07
OPA2684IDCNT	296-13994-2-ND	Dual, Low Power Op Amp	SOT-23-8		728.25/250	
OPA2690I-14D	296-13464-5-ND	Dual, Wideband, Voltage Feedback Op Amp with Disable	14-SOIC	4.59	3.68	2.86
OPA2690ID	296-13465-5-ND	Dual, Wideband, Voltage Feedback Op Amp with Disable	8-SOIC	4.59	3.68	2.86
OPA2691I-14D	OPA2691I-14D-ND	Dual, Wideband, Current Feedback Op Amp	14-SOIC	4.93	3.95	3.07
OPA2691ID	OPA2691ID-ND	Dual, Wideband, Current Feedback Op Amp	8-SOIC	3.29	3.95	3.07
OPA2694ID	296-17883-ND	Dual, Wideband, Low Power, Current Feedback Op Amp	8-SOIC	4.07	3.26	2.54
OPA2703EA/250	OPA2703EACT-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP	5.29	4.23	3.29
OPA2703EA/250	OPA2703EATR-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP		781.50/250	
OPA2703PA	OPA2703PA-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-Dip	4.84	3.87	3.01
OPA2703UA	OPA2703UA-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-SOIC	4.84	3.87	3.01
OPA2704EA/250	OPA2704EACT-ND	3MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP	5.29	4.23	3.29
OPA2704EA/250	OPA2704EATR-ND	3MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP		781.50/250	
OPA2704PA	OPA2704PA-ND	3MHz, Dual CMOS R/R I/O Op Amp	8-Dip	4.84	3.87	3.01
OPA2704UA	OPA2704UA-ND	3MHz, Dual CMOS R/R I/O Op Amp	8-SOIC	4.84	3.87	3.01
OPA2705EA/250	OPA2705EACT-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP	2.38	1.90	1.43
OPA2705EA/250	OPA2705EATR-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP		332.50/250	
OPA2705PA	OPA2705PA-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-Dip	2.38	1.90	1.43
OPA2705UA	OPA2705UA-ND	1MHz, Dual CMOS R/R I/O Op Amp	8-SOIC	2.38	1.90	1.43
OPA2725AID	296-17228-5-ND	12V, High Speed CMOS Op Amp	8-SOIC	3.04	2.43	1.89
OPA2725AIDGKT	296-16768-1-ND	12V, High Speed CMOS Op Amp	8-MSOP	3.38	2.70	2.10
OPA2725AIDGKT	296-16768-2-ND	12V, High Speed CMOS Op Amp	8-MSOP		498.75/250	
OPA2726AIDGST	296-18505-1-ND	12V, Low Noise High Speed, CMOS Op Amp	10-MSOP	3.38	2.70	2.10
OPA2726AIDGST	296-18505-2-ND	12V, Low Noise High Speed, CMOS Op Amp	10-MSOP		498.75/250	
OPA2734AIDGST	296-16769-1-ND	Zero-Drift, Single-Supply, CMOS Op Amp	10-MSOP	4.95	3.96	3.08
OPA2734AIDGST	296-16769-2-ND	Zero-Drift, Single-Supply, CMOS Op Amp	10-MSOP		731.50/250	
OPA2735AID	296-16770-5-ND	Zero-Drift, Single-Supply, CMOS Op Amp	8-SOIC	4.50	3.60	2.80
OPA2735AIDGKT	296-16771-1-ND	Zero-Drift, Single-Supply, CMOS Op Amp	8-MSOP	4.95	3.96	3.08
OPA2735AIDGKT	296-16771-2-ND	Zero-Drift, Single-Supply, CMOS Op Amp	8-MSOP		731.50/250	
OPA2743EA/2K5	OPA2743EA/2K5CT-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-MSOP	3.49	2.79	2.17
OPA2743EA/2K5	OPA2743EA/2K5TR-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-VSSOP		4882.50/2,500	
OPA2743EA/250	296-17017-1-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-MSOP	3.83	3.06	2.38
OPA2743EA/250	296-17017-2-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-MSOP		565.25/250	
OPA2743PA	296-12726-5-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-Dip	3.49	2.79	2.17
OPA2743UA	296-12727-5-ND	7MHz, Dual CMOS R/R I/O Op Amp	8-SOIC	3.49	2.79	2.17
OPA2822E/250	296-12984-1-ND	Dual, Wideband, Low Noise Op Amp	8-MSOP	3.22	2.58	2.01
OPA2822E/250	296-12984-2-ND	Dual, Wideband, Low Noise Op Amp	8-MSOP		475.50/250	
OPA2822U	296-9623-5-ND	Dual, Wideband, Low Noise Op Amp	8-SOIC	2.88	2.31	1.80
OPA2830ID	296-17957-5-ND	Dual, Low Power, Single Supply, Wideband Op Amp	8-SOIC	2.57	2.06	1.60
OPA2830IDGKT	296-17958-1-ND	Dual, Low Power, Single Supply, Wideband Op Amp	8-MSOP	2.88	2.31	1.80
OPA2830IDGKT	296-17958-2-ND	Dual, Low Power, Single Supply, Wideband Op Amp	8-MSOP		425.50/250	
OPA2832ID	296-18002-5-ND	Dual, Low Power, High Speed, Fixed Gain Op Amp	8-SOIC	2.36	1.89	1.47
OPA2832IDGKT	296-18003-1-ND	Dual, Low Power, High Speed, Fixed Gain Op Amp	8-MSOP	2.57	2.06	1.60
OPA2832IDGKT	296-18003-2-ND	Dual, Low Power, High Speed, Fixed Gain Op Amp	8-MSOP		379.00/250	
OPA2846ID	296-16853-5-ND	Dual, Wideband, Low-Noise, Voltage Feedback Op Amp	8-SOIC	5.10	4.08	3.45
OPA3355EA/250	OPA3355EA/250CT-ND	Triple, CMOS High Speed Op Amp with Shutdown	14-TSSOP	3.60	2.88	2.24
OPA3355EA/250	OPA3355EA/250TR-ND	Triple, CMOS High Speed Op Amp with Shutdown	14-TSSOP		532.00/250	
OPA3355UA	OPA3355UA-ND	Triple, CMOS High Speed Op Amp with Shutdown	14-SOIC	3.26	2.61	2.03
OPA3355UA/2K5	OPA3355UA/2K5CT-ND	Triple, CMOS High Speed Op Amp with Shutdown	14-SOIC	3.26	2.61	2.03
OPA3355UA/2K5	OPA3355UA/2K5TR-ND	Triple, CMOS High Speed Op Amp with Shutdown	14-SOIC		4567.50/2,500	
OPA3684ID	296-13646-5-ND	Low Power, Triple Current Feedback Op Amp with Disable	14-SOIC	5.50	4.40	3.72
OPA3684IDBQT	296-13647-1-ND	Low Power, Triple Current Feedback Op Amp with Disable	16-SSOP	6.00	4.80	4.05
OPA3684IDBQT	296-13647-2-ND	Low Power, Triple Current Feedback Op Amp with Disable	16-SSOP		975.00/250	
OPA3690ID	OPA3690ID-ND	Triple, Wideband, Voltage Feedback Op Amp	16-SOIC	5.80	4.64	3.92

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TL103WIDR	296-18862-1-ND	Dual Op Amp with Internal Reference	8-SOIC	.72	.54	.41
TL103WIDR	296-18862-2-ND	Dual Op Amp with Internal Reference	8-SOIC		585.00/2,500	
TL343IDBVR	296-12496-1-ND	Single, Low Power Op Amp	SOT-23-5	.80	.50	.45
TL343IDBVR	296-12496-2-ND	Single, Low Power Op Amp	SOT-23-5		780.00/3,000	
TL592B-8D	296-10218-5-ND	Differential Video Amplifier	8-SOIC	1.26	1.05	.84
TL592BP	296-10219-5-ND	Differential Video Amplifier	8-Dip	1.26	1.05	.84
TL592BPSR	296-13354-1-ND	Differential Video Amplifier	8-SOP	1.26	1.05	.84
TL592BPSR	296-13354-2-ND	Differential Video Amplifier	8-SOP		1118.00/2,000	
TL783CKC	296-10229-5-ND	High Voltage Adj. Regulator	TO-220AB	1.60	1.28	.96
TL783CKTER	296-15630-1-ND	High Voltage Adj. Regulator	3-PFM	1.60	1.28	.96
TL783CKTER	296-15630-2-ND	High Voltage Adj. Regulator	3-PFM		1664.00/2,000	
TL3414AIDR	296-17539-1-ND	Dual High Output Current Op Amp	8-SOIC	.78	.65	.52
TL3414AIDR	296-17539-2-ND	Dual High Output Current Op Amp	8-SOIC		845.00/2,500	
TL3414AIP	296-17533-5-ND	Dual High Output Current Op Amp	8-Dip	.78	.65	.52
TL3414AIPWR	296-17543-1-ND	Dual High Output Current Op Amp	8-TSSOP	.78	.65	.52
TL3414AIPWR	296-17543-2-ND	Dual High Output Current Op Amp	8-TSSOP		692.00/2,000	
TL3472CD	296-10169-5-ND	High Slew Rate, Single Supply Op Amp	8-SOIC	.60	.45	.34
TL3472CDR	296-10169-1-ND	High Slew Rate, Single Supply Op Amp	8-SOIC	.60	.45	.34
TL3472CDR	296-10169-2-ND	High Slew Rate, Single Supply Op Amp	8-SOIC		487.50/2,500	
TL3472CP	296-10170-5-ND	High Slew Rate, Single Supply Op Amp	8-Dip	.60	.45	.34
TL3472IDR	296-17678-1-ND	High Slew Rate, Single Supply Op Amp	8-SOIC	.92	.69	.52
TL3472IDR	296-17678-2-ND	High Slew Rate, Single Supply Op Amp	8-SOIC		747.50/2,500	
TL3472IP	296-17679-5-ND	High Slew Rate, Single Supply Op Amp	8-Dip	.92	.69	.52
TL3474ACDR	296-15623-1-ND	High Slew Rate, Single Supply Op Amp	14-SOIC	1.35	1.13	.90
TL3474ACDR	296-15623-2-ND	High Slew Rate, Single Supply Op Amp	14-SOIC		1462.50/2,500	
TL3474ACN	296-15624-5-ND	High Slew Rate, Single Supply Op Amp	14-Dip	1.35	1.13	.90
TL3474ACPWR	296-15116-1-ND	High Slew Rate, Single Supply Op Amp	14-TSSOP	1.35	1.13	.90
TL3474ACPWR	296-15116-2-ND	High Slew Rate, Single Supply Op Amp	14-TSSOP		1198.00/2,000	
TL3474AIDR	296-15625-1-ND	High Slew Rate, Single Supply Op Amp	14-SOIC	1.41	1.18	.94
TL3474AIDR	296-15625-2-ND	High Slew Rate, Single Supply Op Amp	14-SOIC		1527.50/2,500	
TL3474AIN	296-15626-5-ND	High Slew Rate, Single Supply Op Amp	14-Dip	1.41	1.18	.94
TL3474AIPWR	296-15117-1-ND	High Slew Rate, Single Supply Op Amp	14-TSSOP	1.41	1.18	.94
TL3474AIPWR	296-15117-2-ND	High Slew Rate, Single Supply Op Amp	14-TSSOP		1250.00/2,000	
TL3474CD	296-14405-5-ND	Quad, High Slew Rate, Single Supply Op Amp	14-SOIC	1.11	.93	.74
TL3474CN	296-14406-5-ND	Quad, High Slew Rate, Single Supply Op Amp	14-Dip	1.11	.93	.74
TL3474CPWR	296-15118-1-ND	High Slew Rate, Quad Supply Op Amp	14-TSSOP	1.11	.93	.74
TL3474CPWR	296-15118-2-ND	High Slew Rate, Quad Supply Op Amp	14-TSSOP		984.00/2,000	
TL3474ID	296-14407-5-ND	Quad, High Slew Rate, Single Supply Op Amp	14-SOIC	1.17	.98	.78
TL3474IN	296-14408-5-ND	Quad, High Slew Rate, Single Supply Op Amp	14-Dip	1.17	.98	.78
TL3474IPWR	296-15119-1-ND	High Slew Rate, Quad Supply Op Amp	14-TSSOP	1.17	.98	.78
TL3474IPWR	296-15119-2-ND	High Slew Rate, Quad Supply Op Amp	14-TSSOP		1038.00/2,000	
TL4581DR	296-15627-1-ND	Dual Low Noise High Drive Op Amp	8-SOIC	.75	.63	.50
TL4581DR	296-15627-2-ND	Dual Low Noise High Drive Op Amp	8-SOIC		812.50/2,500	
TL4581P	296-15628-5-ND	Dual Low Noise High Drive Op Amp	8-Dip	.75	.63	.50
TL4581PSR	296-15629-1-ND	Dual Low Noise High Drive Op Amp	8-SOP	.75	.63	.50
TL4581PSR	296-15629-2-ND	Dual Low Noise High Drive Op Amp	8-SOP		666.00/2,000	
TL25L2ACD	296-7297-5-ND	Dual Op Amp	8-SOIC	2.88	2.15	1.87
TL25L2BCD	296-7298-5-ND	Dual Op Amp	8-SOIC	2.88	2.31	1.80
TL25L2BCP	296-7299-5-ND	Dual Op Amp	8-Dip	2.88	2.31	1.80
TL25L2CD	296-7300-5-ND	Dual Low Volt. Micropower Op Amp	8-SOIC	2.57	2.06	1.60
TL25L2CP	296-7301-5-ND	Dual Low Volt. Micropower Op Amp	8-Dip	2.57	2.06	1.60
TL25L4ACN	296-7303-5-ND	Quad Op Amp	14-Dip	3.74	2.99	2.33
TL25L4BCD	296-7304-5-ND	Quad Op Amp	14-SOIC	3.96	3.17	2.47
TL25L4BCN	296-7305-5-ND	Quad Op Amp	14-Dip	3.96	3.17	2.47
TL25L4CD	296-7306-5-ND	Quad Low Volt. Micropower Op Amp	14-SOIC	3.53	2.83	2.20
TL25L4CN	296-7307-5-ND	Quad Low Volt. Micropower Op Amp	14-Dip	3.53	2.83	2.20
TL25M2ACD	296-7308-5-ND	Dual Op Amp	8-SOIC	2.68	2.15	1.67
TL25M2ACP	296-7309-5-ND	Dual Op Amp	8-Dip	2.68	2.15	1.67
TL25M2CP	296-7310-5-ND	Dual Low Power Low Voltage Op Amp	8-Dip	2.57	2.06	1.60
TL25M4BCN	296-7312-5-ND	Quad Op Amp	14-Dip	3.96	3.17	2.47
TL25M4CD	296-7313-5-ND	Quad Low Power Low Volt. Op Amp	14-SOIC	3.53	2.83	2.20
TL25M4CN	296-7314-5-ND	Quad Low Power Low Voltage Op Amp	14-Dip	3.53	2.83	2.20
TL27L1ACP	296-10259-5-ND	Low Power Op Amp	8-Dip	.96	.72	.54
TL27L1CP	296-15120-5-ND	Low Power Op Amp	8-Dip	.92	.69	.52
TL27L1ID	296-10260-5-ND	Low Power Op Amp	8-SOIC	.96	.72	.54
TL27L2ACD	296-7369-5-ND	Dual Precision Op Amp	8-SOIC	.81	.68	.54
TL27L2ACP	296-7370-5-ND	Dual Precision Op Amp	8-Dip	.81	.68	.54
TL27L2AID	296-7371-5-ND	Dual Precision Op Amp	8-SOIC	.84	.70	.56
TL27L2AIP	296-7372-5-ND	Dual Precision Op Amp	8-Dip	.84	.70	.56
TL27L2BCD	296-7373-5-ND	Dual Precision Op Amp	8-SOIC	.84	.70	.56
TL27L2BCP	296-7374-5-ND	Dual Precision Op Amp	8-Dip	.84	.70	.56
TL27L2BID	296-7375-5-ND	Dual Precision Op Amp	8-SOIC	.87	.73	.58
TL27L2BIP	296-7376-5-ND	Dual Precision Op Amp	8-Dip	.87	.73	.58
TL27L2CD	296-1316-5-ND	Dual Precision Op Amp	8-SOIC	.75	.63	.50
TL27L2CDR	296-1316-1-ND	Dual Precision Op Amp	8-SOIC	.75	.63	.50
TL27L2CDR	296-1316-2-ND	Dual Precision Op Amp	8-SOIC		812.50/2,500	
TL27L2CP	296-7377-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-Dip	.75	.63	.50
TL27L2CPSR	296-7378-1-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOP	.75	.63	.50
TL27L2CPSR	296-7378-2-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOP		666.00/2,000	
TL27L2ID	296-1317-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOIC	.81	.68	.54
TL27L2IDR	296-1317-1-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOIC	.81	.68	.54
TL27L2IDR	296-1317-2-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOIC		877.50/2,500	
TL27L2IP	296-7379-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-Dip	.81	.68	.54
TL27L2IPW	296-7380-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-TSSOP	.81	.68	.54

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TL27L2MD	296-7381-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOIC	.96	.80	.64
TL27L4ACD	296-1831-5-ND	Quad Precision Op Amp	14-SOIC	.96	.80	.64
TL27L4ACN	296-7382-5-ND	Quad Precision Op Amp	14-Dip	.96	.80	.64
TL27L4AID	296-7383-5-ND	Quad Precision Op Amp	14-SOIC	1.02	.85	.68
TL27L4AIN	296-7384-5-ND	Quad Precision Op Amp	14-Dip	1.02	.85	.68
TL27L4BCD	296-7385-5-ND	Quad Precision Op Amp	14-SOIC	1.02	.85	.68
TL27L4BCN	296-7386-5-ND	Quad Precision Op Amp	14-Dip	1.02	.85	.68
TL27L4BID	296-7387-5-ND	Quad Precision Op Amp	14-SOIC	1.02	.85	.68
TL27L4BIN	296-7388-5-ND	Quad Precision Op Amp	14-Dip	1.02	.85	.68
TL27L4CD	296-1318-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC	.90	.75	.60
TL27L4CDR	296-1318-1-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC	.90	.75	.60
TL27L4CN	296-7389-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-Dip	.90	.75	.60
TL27L4CPWR	296-7390-1-ND	Quad Precision Single-Supply Micropower Op Amp	14-TSSOP	.90	.75	.60
TL27L4CPWR	296-7390-2-ND	Quad Precision Single-Supply Micropower Op Amp	14-TSSOP		798.00/2,000	
TL27L4ID	296-1319-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC	.96	.80	.64
TL27L4IDR	296-1319-1-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC	.96	.80	.64
TL27L4IDR	296-1319-2-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC		1040.00/2,500	
TL27L4IN	296-7391-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-Dip	.96	.80	.64
TL27L4IPW	296-7392-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-TSSOP	.96	.80	.64
TL27L7CD	296-1832-5-ND	Dual Precision Op Amp	8-SOIC	1.78	1.42	1.07
TL27L7CP	296-7393-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-Dip	1.78	1.42	1.07
TL27L7ID	296-1320-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-SOIC	1.90	1.52	1.14
TL27L7IDR	296-1320-1-ND	Dual Precision Op Amp	8-SOIC	1.90	1.52	1.14
TL27L7IDR	296-1320-2-ND	Dual Precision Op Amp	8-SOIC		2432.50/2,500	
TL27L7IP	296-7394-5-ND	Dual Precision Single-Supply Micropower Op Amp	8-Dip	1.90	1.52	1.14
TL27L9CD	296-7395-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOIC	2.25	1.80	1.40
TL27L9CN	296-7396-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-Dip	2.25	1.80	1.40
TL27L9CNSR	296-7397-1-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOP	2.50	2.00	1.50
TL27L9CNSR	296-7397-2-ND	Quad Precision Single-Supply Micropower Op Amp	14-SOP		2550.00/2,000	
TL27L9ID	296-1834-5-ND	Quad Precision Op Amp	14-SOIC	2.36	1.89	1.47
TL27L9IN	296-7398-5-ND	Quad Precision Single-Supply Micropower Op Amp	14-Dip	2.36	1.89	1.47
TL27M2ACD	296-7399-5-ND	Dual Precision Op Amp	8-SOIC	.81	.68	.54
TL27M2ACP	296-7400-5-ND	Dual Precision Op Amp	8-Dip	.81	.68	.54
TL27M2AID	296-7401-5-ND	Dual Precision Op Amp	8-SOIC	.84	.70	.56
TL27M2AIP	296-7402-5-ND	Dual Precision Op Amp	8-Dip	.84	.70	.56
TL27M2BCD	296-7403-5-ND	Dual Precision Op Amp	8-SOIC	.84	.70	.56
TL27M2BCP	296-7404-5-ND	Dual Precision Op Amp	8-Dip	.84	.70	.56
TL27M2BID	296-7405-5-ND	Dual Precision Op Amp	8-SOIC	.87	.73	.58
TL27M2BIP	296-7406-5-ND	Dual Precision Op Amp	8-Dip	.87	.73	.58
TL27M2CD	296-1321-5-ND	Dual Precision Op Amp	8-SOIC	.75	.63	.50
TL27M2CDR	296-1321-1-ND	Dual Precision Op Amp	8-SOIC	.75	.63	.50
TL27M2CDR	296-1321-2-ND	Dual Precision Op Amp	8-SOIC		812.50/2,500	
TL27M2CP	296-1835-5-ND	Dual Precision Op Amp	8-Dip	.75	.63	.50
TL27M2CPWR	296-7407-1-ND	Dual LP Prec. Single-Supply Op Amp	8-TSSOP	.75	.63	.50
TL27M2CPWR	296-7407-2-ND	Dual LP Prec. Single-Supply Op Amp	8-TSSOP		666.00/2,000	
TL27M2IDR	296-1322-1-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC	.81	.68	.54
TL27M2IDR	296-1322-2-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC		877.50/2,500	
TL27M2IP	296-7408-5-ND	Dual LP Prec. Single-Supply Op Amp	8-Dip	.81	.68	.54
TL27M2IPW	296-7409-5-ND	Dual LP Prec. Single-Supply Op Amp	8-TSSOP	.81	.68	.54
TL27M2MD	296-7410-5-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC	.96	.80	.64
TL27M4ACD	296-7411-5-ND	Quad Precision Op Amp	14-SOIC	.96	.80	.64
TL27M4ACN	296-7412-5-ND	Quad Precision Op Amp	14-Dip	.96	.80	.64
TL27M4AID	296-7413-5-ND	Quad Precision Op Amp	14-SOIC	1.02	.85	.68
TL27M4AIN	296-7414-5-ND	Quad Precision Op Amp	14-Dip	1.02	.85	.68
TL27M4BCD	296-7415-5-ND	Quad Precision Op Amp	14-SOIC	1.17	.98	.78
TL27M4BCN	296-7416-5-ND	Quad Precision Op Amp	14-Dip	1.17	.98	.78
TL27M4BID	296-7417-5-ND	Quad Precision Op Amp	14-SOIC	1.23	1.03	.82
TL27M4BIN	296-7418-5-ND	Quad Precision Op Amp	14-Dip	1.23	1.03	.82
TL27M4CD	296-1837-5-ND	Quad Precision Op Amp	14-SOIC	.90	.75	.60
TL27M4CN	296-7419-5-ND	Quad LP Prec. Single-Supply Op Amp	14-Dip	.90	.75	.60
TL27M4CPWR	296-7420-1-ND	Quad LP Prec. Single-Supply Op Amp	14-TSSOP	.90	.75	.60
TL27M4CPWR	296-7420-2-ND	Quad LP Prec. Single-Supply Op Amp	14-TSSOP		798.00/2,000	
TL27M4ID	296-7421-5-ND	Quad LP Prec. Single-Supply Op Amp	14-SOIC	.96	.80	.64
TL27M4IN	296-7422-5-ND	Quad LP Prec. Single-Supply Op Amp	14-Dip	.96	.80	.64
TL27M4IPWR	296-7423-1-ND	Quad LP Prec. Single-Supply Op Amp	14-TSSOP	.96	.80	.64
TL27M4IPWR	296-7423-2-ND	Quad LP Prec. Single-Supply Op Amp	14-TSSOP		852.00/2,000	
TL27M7CDR	296-1323-1-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC	1.78	1.42	1.07
TL27M7CDR	296-1323-2-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC		2272.50/2,500	
TL27M7CP	296-1838-5-ND	Dual Precision Op Amp	8-Dip	1.78	1.42	1.07
TL27M7ID	296-7424-5-ND	Dual LP Prec. Single-Supply Op Amp	8-SOIC	1.90	1.52	1.14
TL27M7IP	296-7425-5-ND	Dual LP Prec. Single-Supply Op Amp	8-Dip	1.90	1.52	1.14
TL27M9CD	296-7426-5-ND	Quad LP Prec. Single-Supply Op Amp	14-SOIC	2.25	1.80	1.40
TL27M9CN	296-7427-5-ND	Quad LP Prec. Single-Supply Op Amp	14-Dip	2.25	1.80	1.40
TL27M9ID	296-7428-5-ND	Quad LP Prec. Single-Supply Op Amp	14-SOIC	2.36	1.89	1.47
TL27M9IN	296-7429-5-ND	Quad LP Prec. Single-Supply Op Amp	14-Dip	2.36	1.89	1.47
TL070AIP	296-7216-5-ND	High-Output WB Op Amp	8-Dip	1.30	1.04	.78
TL070CD	296-2413-5-ND	High-Output WB Op Amp	8-SOIC	1.44	1.20	.96
TL070CDR	296-2413-1-ND	High-Output WB Op Amp	8-SOIC	1.44	1.20	.96
TL070CDR	296-2413-2-ND	High-Output WB Op Amp	8-SOIC		1560.00/2,500	
TL070CDGNR	296-7217-1-ND	High-Output WB Op Amp	8-MSOP	1.44	1.20	.96
TL070CDGNR	296-7217-2-ND	High-Output WB Op Amp	8-MSOP		1560.00/2,500	

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TEXAS INSTRUMENTS — CCD

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
VSP2262Y	VSP2262Y-ND	12-Bit, 20MHz, Digital Camera CCD Signal Processor	48-LQFP	15.83	14.77	13.72
VSP2262Y/2K	VSP2262YTR-ND	12-Bit, 20MHz, Digital Camera CCD Signal Processor	48-LQFP		2605B.00/2,000	
VSP2270Y	296-12541-ND	28MHz CCD Signal Processor	48-LQFP	11.66	10.50	9.31
VSP2272Y	296-12542-ND	28MHz CCD Signal Processor	48-LQFP	15.16	13.65	12.11
VSP3010Y	VSP3010Y-ND	12-Bit, CCD/CIS Controller	48-LQFP	10.25	9.23	8.18
VSP3100Y	VSP3100Y-ND	14-Bit, 10MHz CCD/CIS Signal Processor	48-LQFP	8.91	8.03	7.12
VSP3200Y	VSP3200Y-ND	16-Bit, CCD/CIS Processor	48-LQFP	10.66	9.60	8.52
VSP3200Y/2K	VSP3200YTR-ND	16-Bit, CCD/CIS Processor	48-LQFP		15808.00/2,000	
VSP3210Y	VSP3210Y-ND	16-Bit, CCD/CIS Processor	48-LQFP	10.66	9.60	8.52
VSP3210Y2/K	VSP3210YTR-ND	16-Bit, CCD/CIS Processor	48-LQFP		15808.00/2,000	
VSP5000PM	296-14235-5-ND	12-Bit, 30MHz CCD Signal Front End	64-LQFP	15.75	14.70	13.65

TEXAS INSTRUMENTS — COMPARATORS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
General Purpose Comparators						
L293DNE	296-9518-5-ND	Quad Half-H Drivers	16-Dip	2.75	2.20	1.71
L293NE	296-9519-5-ND	Quad Half-H Drivers	16-Dip	2.75	2.20	1.71
LM239DR	296-14590-1-ND	Quad Differential Comparator	14-SOIC	.48	.36	.27
LM239DR	296-14590-2-ND	Quad Differential Comparator	14-SOIC		390.00/2,500	
LM293AD	296-9530-5-ND	Dual Differential Comparator	8-SOIC	.48	.36	.27
LM293D	296-9531-5-ND	Dual Differential Comparator	8-SOIC	.55	.44	.33
LM293DR	296-12848-1-ND	Dual Differential Comparator	8-SOIC	.55	.44	.33
LM293DR	296-12848-2-ND	Dual Differential Comparator	8-SOIC		372.50/2,500	
LM293P	296-9532-5-ND	Dual Differential Comparator	8-Dip	.55	.44	.33
LM339AD	296-6604-5-ND	Quad Differential Comparator	14-SOIC	.50	.40	.30
LM339ADR	296-6604-1-ND	Quad Differential Comparator	14-SOIC	.50	.40	.30
LM339ADR	296-6604-2-ND	Quad Differential Comparator	14-SOIC		337.50/2,500	
LM339AN	296-6605-5-ND	Quad Differential Comparator	14-Dip	.50	.40	.30
LM339APWR	296-18454-1-ND	Quad Differential Comparator	14-TSSOP	.50	.40	.30
LM339APWR	296-18454-2-ND	Quad Differential Comparator	14-TSSOP		280.00/2,000	
LM339D	296-1013-5-ND	Quad Differential Comparator	14-SOIC	.45	.35	.27
LM339DR	296-1013-1-ND	Quad Differential Comparator	14-SOIC	.45	.36	.27
LM339DR	296-1013-2-ND	Quad Differential Comparator	14-SOIC		305.00/2,500	
LM339DBR	296-6606-1-ND	Quad Differential Comparator	14-SSOP	.45	.36	.27
LM339DBR	296-6606-2-ND	Quad Differential Comparator	14-SSOP		252.00/2,000	
LM339N	296-1393-5-ND	Quad Differential Comparator	14-Dip	.45	.36	.27
LM339PWR	296-6607-1-ND	Quad Diff. Comparator, A Grade	14-TSSOP	.45	.36	.27
LM339PWR	296-6607-2-ND	Quad Diff. Comparator, A Grade	14-TSSOP		252.00/2,000	
LM393AD	296-6608-5-ND	Dual Diff. Comparator, A Grade	8-SOIC	.50	.40	.30
LM393ADGKR	296-16807-1-ND	Dual Diff. Comparator, A Grade	8-MSOP	.50	.40	.30
LM393ADGKR	296-16807-2-ND	Dual Diff. Comparator, A Grade	8-MSOP		337.50/2,500	
LM393ADR	296-14605-1-ND	Dual Diff. Comparator, A Grade	8-SOIC	.50	.40	.30
LM393ADR	296-14605-2-ND	Dual Diff. Comparator, A Grade	8-SOIC		337.50/2,500	
LM393AP	296-6609-5-ND	Dual Diff. Comparator, A Grade	8-Dip	.50	.40	.30
LM393APWR	296-6610-1-ND	Dual Diff. Comparator, A Grade	8-TSSOP	.50	.40	.30
LM393APWR	296-6610-2-ND	Dual Diff. Comparator, A Grade	8-TSSOP		280.00/2,000	
LM393D	296-1015-5-ND	Dual Differential Comparator	8-SOIC	.45	.36	.27
LM393DGKR	296-16808-1-ND	Dual Differential Comparator	8-MSOP	.50	.40	.30
LM393DGKR	296-16808-2-ND	Dual Differential Comparator	8-MSOP		337.50/2,500	
LM393DR	296-1015-1-ND	Dual Differential Comparator	8-SOIC	.45	.36	.27
LM393DR	296-1015-2-ND	Dual Differential Comparator	8-SOIC		305.00/2,500	
LM393P	296-1398-5-ND	Dual Differential Comparator	8-Dip	.45	.36	.27
LM393PSR	296-9566-1-ND	Dual Differential Comparator	8-SOP	.45	.36	.27
LM393PSR	296-9566-2-ND	Dual Differential Comparator	8-SOP		252.00/2,000	
LM393PWR	296-14607-1-ND	Dual Differential Comparator	8-TSSOP	.45	.36	.27
LM393PWR	296-14607-2-ND	Dual Differential Comparator	8-TSSOP		252.00/2,000	
LM2901AVQDRQ1	296-18437-1-ND	Quad Differential Comparator	14-SOIC	.60	.45	.34
LM2901AVQDRQ1	296-18437-2-ND	Quad Differential Comparator	14-SOIC		487.50/2,500	
LM2901D	296-1385-5-ND	Quad Diff. Comparator, Ind. Temp.	14-SOIC	.50	.40	.30
LM2901DR	296-14593-1-ND	Quad Diff. Comparator, Ind. Temp.	14-SOIC	.50	.40	.30
LM2901DR	296-14593-2-ND	Quad Diff. Comparator, Ind. Temp.	14-SOIC		337.50/2,500	
LM2901N	296-1386-5-ND	Quad Diff. Comparator, Ind. Temp.	14-Dip	.50	.40	.30
LM2901PWR	296-6597-1-ND	Quad Diff. Comparator, Ind. Temp.	14-TSSOP	.50	.40	.30
LM2901PWR	296-6597-2-ND	Quad Diff. Comparator, Ind. Temp.	14-TSSOP		280.00/2,000	
LM2901QDRQ1	296-17157-5-ND	Quad Diff. Comparator, Ind. Temp.	14-SOIC	.48	.36	.27
LM2901QPWRQ1	296-18438-1-ND	Quad Differential Comparator	14-TSSOP	.48	.36	.27
LM2901QPWRQ1	296-18438-2-ND	Quad Differential Comparator	14-TSSOP		320.00/2,000	
LM2902D	296-6598-5-ND	Quad Op Amp	14-SOIC	.50	.40	.30
LM2902KVQDRQ1	296-17027-1-ND	Quad Op Amp	14-SOIC	.56	.42	.32
LM2902KVQDRQ1	296-17027-2-ND	Quad Op Amp	14-SOIC		455.00/2,500	
LM2902N	296-6599-5-ND	Quad Op Amp	14-Dip	.50	.40	.30
LM2902PWR	296-6600-1-ND	Quad Op Amp	14-TSSOP	.50	.40	.30
LM2902PWR	296-6600-2-ND	Quad Op Amp	14-TSSOP		280.00/2,000	
LM2902QDRQ1	296-16814-1-ND	Quad Op Amp	14-SOIC	.48	.36	.27
LM2902QDRQ1	296-16814-2-ND	Quad Op Amp	14-SOIC		390.00/2,500	
LM2903AVQDRQ1	296-18444-1-ND	Dual Differential Comparator	8-SOIC	.60	.45	.34
LM2903AVQDRQ1	296-18444-2-ND	Dual Differential Comparator	8-SOIC		487.50/2,500	
LM2903AVQPWRQ1	296-17790-1-ND	Dual Differential Comparator	8-TSSOP	.60	.45	.34
LM2903AVQPWRQ1	296-17790-2-ND	Dual Differential Comparator	8-TSSOP		400.00/2,000	
LM2903D	296-1012-5-ND	Dual Diff. Comparator, Ind. Temp.	8-SOIC	.50	.40	.30
LM2903DGKR	296-16806-1-ND	Dual Diff. Comparator, Ind. Temp.	8-MSOP	.50	.40	.30
LM2903DGKR	296-16806-2-ND	Dual Diff. Comparator, Ind. Temp.	8-MSOP		337.50/2,500	
LM2903DR	296-1012-1-ND	Dual Diff. Comparator, Ind. Temp.	8-SOIC	.50	.40	.30
LM2903DR	296-1012-2-ND	Dual Diff. Comparator, Ind. Temp.	8-SOIC		220.00/2,500	
LM2903P	296-6601-5-ND	Dual Diff. Comparator, Ind. Temp.	8-Dip	.50	.40	.30
LM2903PSR	296-17322-1-ND	Dual Diff. Comparator, Ind. Temp.	8-SOP	.50	.40	.30
LM2903PSR	296-17322-2-ND	Dual Diff. Comparator, Ind. Temp.	8-SOP		280.00/2,000	
LM2903PWR	296-6602-1-ND	Dual Diff. Comparator, Ind. Temp.	8-TSSOP	.50	.40	.30
LM2903PWR	296-6602-2-ND	Dual Diff. Comparator, Ind. Temp.	8-TSSOP		280.00/2,000	
LM2903QDRQ1	296-15183-1-ND	Dual Diff. Comparator, Ind. Temp.	8-SOIC	.48	.36	.27
LM2903QDRQ1	296-15183-2-ND	Dual Diff. Comparator, Ind. Temp.	8-SOIC		390.00/2,500	
LM2903QPWRQ1	296-18942-1-ND	Dual Differential Comparator	8-TSSOP	.48	.36	.27
LM2903QPWRQ1	296-18942-2-ND	Dual Differential Comparator	8-TSSOP		320.00/2,000	
LM2903VQDRQ1	296-19541-1-ND	Dual Differential Comparator	8-SOIC	.56	.42	.32
LM2903VQDRQ1	296-19541-2-ND	Dual Differential Comparator	8-SOIC		455.00/2,500	
LM2904QDRQ1	296-15184-1-ND	Dual Op Amp	8-SOIC	.48	.36	.27
LM2904QDRQ1	296-15184-2-ND	Dual Op Amp	8-SOIC		390.00/2,500	
LM3302D	296-9546-5-ND	Quad Differential Comparator	14-SOIC	.80	.60	.45
LM3302DR	296-14598-1-ND	Quad Differential Comparator	14-SOIC	.80	.60	.45
LM3302DR	296-14598-2-ND	Quad Differential Comparator	14-SOIC		650.00/2,500	
LM3302N	296-17223-5-ND	Quad Differential Comparator	14-Dip	.80	.60	.45
LM3391DR	296-6611-1-ND	Quad Low-Voltage Comparator	14-SOIC	.96	.72	.54
LM3391DR	296-6611-2-ND	Quad Low-Voltage Comparator	14-SOIC		780.00/2,500	
LM3391PWR	296-6612-1-ND	Quad Low-Voltage Comparator	14-TSSOP	.96	.72	.54
LM3391PWR	296-6612-2-ND	Quad Low-Voltage Comparator	14-TSSOP		638.00/2,000	
TL331IDBVR	296-10168-1-ND	Single/Dual Differential Comparator	SOT-23-5	.50	.40	.30
TL331IDBVR	296-10168-2-ND	Single/Dual Differential Comparator	SOT-23-5		405.00/3,000	
TLC372CPWR	296-10309-1-ND	Dual Differential Comparator	8-TSSOP	.84	.70	.56
TLC372CPWR	296-10309-2-ND	Dual Differential Comparator	8-TSSOP		744.00/2,000	
TLC372ID	296-10310-5-ND	Dual Differential Comparator	8-SOIC	.90	.75	.60
TLC372MD	296-10311-5-ND	Dual Differential Comparator	8-SOIC	1.08	.90	.72
TLC372QD	296-10312-5-ND	Dual Differential Comparator	8-SOIC	.96	.80	.64
TLC374CN	296-10313-5-ND	Quad Differential Comparator	14-Dip	1.02	.85	.68
TLC374CPWR	296-10314-1-ND	Quad Differential Comparator	14-TSSOP	1.02	.85	.68
TLC374CPWR	296-10314-2-ND	Quad Differential Comparator	14-TSSOP		904.00/2,000	
TLC374ID	296-10315-5-ND	Quad Differential Comparator	14-SOIC	1.11	.93	.74
TLC374IN	296-10316-5-ND	Quad Differential Comparator	14-Dip	1.11	.93	.74
TLC374MD	296-10317-5-ND	Quad Differential Comparator	14-SOIC	1.38	1.15	.92
High Speed Comparators						
LM139DR	296-6614-1-ND	Quad GP Differential Comparator	14-SOIC	1.20	1.00	.80
LM139DR	296-6614-2-ND	Quad GP Differential Comparator	14-SOIC		1300.00/2,500	
LM193DR	296-6615-1-ND	Dual GP Differential Comparator	8-SOIC	.84	.63	.48
LM193DR	296-6615-2-ND	Dual GP Differential Comparator	8-SOIC		682.50/2,500	
LM211D	296-6616-5-ND	Differential Comparator with Strobe	8-SOIC	.55	.44	.33
LM211DR	296-14589-1-ND	Differential Comparator with Strobe	8-SOIC	.55	.44	.33
LM211DR	296-14589-2-ND	Differential Comparator with Strobe	8-SOIC		372.50/2,500	
LM211P	296-6617-5-ND	Differential Comparator with Strobe	8-Dip	.55	.44	.33
LM211QD	296-9520-5-ND	Differential Comparator with Strobe	8-SOIC	.92	.69	.52
LM211QDRQ1	296-17493-1-ND	Differential Comparator with Strobe	8-SOIC	.75	.63	.50
LM211QDRQ1	296-17493-2-ND	Differential Comparator with Strobe	8-SOIC		812.50/2,500	
LM239ADR	296-6618-1-ND	Quad GP Differential Comparator	14-SOIC	.60	.48	.34
LM239ADR	296-6618-2-ND	Quad GP Differential Comparator	14-SOIC		487.50/2,500	
LM239AQDREP	296-18100-1-ND	Quad GP Differential Comparator	14-SOIC	1.26	1.05	.84
LM239AQDREP	296-18100-2-ND	Quad GP Differential Comparator	14-SOIC		1365.00/2,500	
LM239D	296-6620-5-ND	Quad GP Differential Comparator	14-SOIC	.60	.48	.36
LM239N	296-6621-5-ND	Quad GP Differential Comparator	14-Dip	.60	.48	.36
LM239PWR	296-15084-1-ND	Quad GP Differential Comparator	14-TSSOP	.48	.36	.27
LM239PWR	296-15084-2-ND	Quad GP Differential Comparator	14-TSSOP		320.00/2,000	
LM306D	296-9533-5-ND	Differential Comparator with Strobe	8-SOIC	1.29	1.08	.86
LM306P	296-1387-5-ND	Differential Comparator with Strobe	8-Dip	1.29	1.08	.86
LM311D	296-1388-5-ND	Differential Comparator with Strobe	8-SOIC	.50	.40	.30
LM311DR	296-1388-1-ND	Differential Comparator with Strobe	8-SOIC	.50	.40	.30
LM311DR	296-1388-2-ND	Differential Comparator with Strobe	8-SOIC		337.50/2,500	
LM311P	296-1389-5-ND	Differential Comparator with Strobe	8-Dip	.50	.40	.30
LM311PWR	296-13719-1-ND	Differential Comparator with Strobe	8-TSSOP	.50	.40	.30
LM311PWR	296-13719-2-ND	Differential Comparator with Strobe	8-TSSOP		280.00/2,000	
TL712CD	296-6629-5-ND	Differential Comparator	8-SOIC	1.38	1.15	.92
TL712CP	296-6630-5-ND	Differential Comparator	8-Dip	1.38	1.15	.92
TL714CD	296-6631-5-ND	High Speed Differential Comparator	8-SOIC	2.70	2.16	1.68
TL714CP	296-6632-5-ND	High Speed Differential Comparator	8-Dip	2.70	2.16	1.68
TL3016CD	296-1793-5-ND	Ultra-Fast LP Precision Comparator	8-SOIC	2.00	1.60	1.20
TL3016ID	296-1794-5-ND	Ultra-Fast LP Precision Comparator	8-SOIC	2.20	1.76	1.32
TL3016IPW	296-13615-5-ND	Ultra-Fast LP Precision Comparator	8-TSSOP	2.20	1.76	1.32
TL3116CD	296-6626-5-ND	Ultra-Fast LP Precision Comparator	8-SOIC	2.00	1.60	1.20
TL3116CPWR	296-6627-1-ND	Ultra-Fast LP Precision Comparator	8-TSSOP	2.00	1.60	1.20
TL3116CPWR	296-6627-2-ND	Ultra-Fast LP Precision Comparator	8-TSSOP		2080.00/2,000	
TL3116ID	296-6628-5-ND	Ultra-Fast LP Precision Comparator	8-SOIC	2.20	1.76	1.32
TLV3501AIDBVT	296-18248-1-ND	4.5nS R/R HS Comparator	SOT-23-6	3.71	2.97	2.31
TLV3501AIDBVT	296-18248-2-ND	4.5nS R/R HS Comparator	SOT-23-6		548.75/250	
TLV3502AID	296-18301-5-ND	4.5nS R/R HS Comparator	8-SOIC	4.95	3.96	3.08
Low Power Comparators						
LMV331IDBVR	296-6633-1-ND	Single GP Low Voltage Comparator	SOT-23-5	.96	.72	.54
LMV331IDBVR	296-6633-2-ND	Single GP Low Voltage Comparator	SOT-23-5		516.00/3,000	
LMV331IDCKR	296-6634-1-ND	Single GP Low Voltage Comparator	SC70-5	.96	.72	.54
LMV331IDCKR	296-6634-2-ND	Single GP Low Voltage Comparator	SC70-5		936.00/3,000	
LMV393IDDUR	296-17028-1-ND	Dual Low Voltage Comparator	8-VSSOP	.80	.60	.45
LMV393IDDUR	296-17028-2-ND	Dual Low Voltage Comparator	8-VSSOP		780.00/3,000	
LMV393IDGKR	296-13963-1-ND	Dual GP Low Voltage Comparator	8-VSSOP	.88	.66	.50
LMV393IDGKR	296-13963-2-ND	Dual GP Low Voltage Comparator	8-VSSOP		715.00/2,500	
LMV393IDR	296-6635-1-ND	Dual GP Low Voltage Comparator	8-SOIC	.80	.60	.45
LMV393IDR	296-6635-2-ND	Dual GP Low Voltage Comparator	8-SOIC		650.00/2,500	
LMV393IPWR	296-6636-1-ND	Dual GP Low Voltage Comparator	8-TSSOP	.88	.66	.50
LMV393IPWR	296-6636-2-ND	Dual GP Low Voltage Comparator	8-TSSOP		586.00/2,000	
LP211D	296-9573-5-ND	Differential Comparator	8-SOIC	1.02	.85	.68
LP2901D	296-9574-5-ND	Quad Differential Comparator	14-SOIC	1.14	.95	.76
LP2901N	296-9575-5-ND	Quad Differential Comparator	14-Dip	1.14	.95	.76
LP311D	296-9576-5-ND	Differential Comparator	8-SOIC	1.14	.95	.76
LP311DR	296-14608-1-ND	Differential Comparator	8-SOIC	1.14	.95	.76
LP311DR	296-14608-2-ND	Differential Comparator	8-SOIC		1235.00/2,500	
LP311P	296-9577-5-ND	Differential Comparator	8-Dip	1.14	.95	.76
LP339D	296-9578-5-ND	Quad Differential Comparator	14-SOIC	.60	.45	.34
LP339DR	296-14609-1-ND	Quad Differential Comparator	14-SOIC	.60	.45	.34
LP339DR	296-14609-2-ND	Quad Differential Comparator	14-SOIC		487.50/2,500	
LP339N	296-9579-5-ND	Quad Differential Comparator	14-Dip	.60	.45	.34
TLC339CD	296-10291-5-ND	Quad Differential Comparator	14-SOIC	1.11	.93	.74
TLC339CN	296-12312-5-ND	Quad Differential Comparator	14-Dip	1.11	.93	.74
TLC339CPWR	296-10282-1-ND	Quad Differential Comparator	14-TSSOP	1.11	.93	.74
TLC339CPWR	296-10282-2-ND	Quad Differential Comparator	14-TSSOP		984.00/2,000	
TLC339ID	296-1324-5-ND	Quad Differential Comparator	14-SOIC	1.20	1.00	.80
TLC339IDR	296-1324-1-ND	Quad Differential Comparator	14-SOIC	1.20	1.00	.80
TLC339IDR	296-1324-2-ND	Quad Differential Comparator	14-SOIC		1300.00/2,500	
TLC339IN	296-10283-5-ND	Quad Differential Comparator	14-Dip	1.20	1.00	.80
TLC339MN	296-10284-5-ND	Quad Differential Comparator	14-Dip	1.25	1.00	.75
TLC352IPW	296-17476-5-ND	LinCMOS™ Dual Diff. Comparator	8-TSSOP	1.11	.93	.74
TLC372CD	296-1327-5-ND	Dual Differential Comparator	8-SOIC	.84	.70	.56
TLC372CDR	296-1327-1-ND	Dual Differential Comparator	8-SOIC	.84	.70	.56
TLC372CDR	296-1327-2-ND	Dual Differential Comparator	8-SOIC		910.00/2,500	
TLC372CP	296-1845-5-ND	Dual Differential Comparator	8-Dip	.84	.70	.56
TLC372IP	296-1846-5-ND	Dual Differential Comparator	8-Dip	.90	.75	.60
TLC374CD	296-1328-5-ND	Quad Differential Comparator	14-SOIC	1.02	.85	.68
TLC374CDR	296-1328-1-ND	Quad Differential Comparator	14-SOIC	1.02	.85	.68

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SLK2511AIPZP	296-16997-ND	Sonet/SDH Multirate Transceiver	100-HTQFP	55.13	51.45	47.78
SLK2511IPZP	296-13035-5-ND	Sonet/SDH Multirate Transceiver	100-HTQFP	55.13	51.45	47.78
SLK2701IPZP	296-12543-ND	2.7Gbps SONET/SDH Multirate Transceiver	100-HTQFP	55.13	51.45	47.78
SLK2721PZP	296-13036-5-ND	Sonet/SDH Multirate Transceiver with Enhanced Jitter Tolerance	100-HTQFP	55.13	51.45	47.78
UARTs						
TL16C450FN	296-10145-5-ND	Async. Communication Element	44-PLCC	2.88	2.31	1.80
TL16C450N	296-15115-5-ND	Async. Communication Element	40-Dip	2.88	2.31	1.80
TL16C451FN	296-10146-5-ND	Async. Communication Element	68-PLCC	4.82	3.86	3.00
TL16C452FN	296-10147-5-ND	Dual Async. Comm. Element	68-PLCC	4.91	3.93	3.06
TL16C550BPT	296-10152-ND	Async. Communication Element	48-LQFP	5.98	4.79	4.04
TL16C550CFN	296-10153-5-ND	Async. Communication Element	44-PLCC	3.38	2.70	2.10
TL16C550CIFN	296-10154-5-ND	Async. Communication Element	44-PLCC	3.76	3.01	2.34
TL16C550CIPT	296-1786-5-ND	Async. Communication Element	48-LQFP	3.76	3.01	2.34
TL16C550CN	296-10155-5-ND	Async. Communication Element	40-Dip	3.38	2.70	2.10
TL16C550CPFB	296-10156-ND	Async. Communication Element	48-TQFP	3.38	2.70	2.10
TL16C550CPT	296-1787-ND	Async. Communication Element	48-LQFP	3.38	2.70	2.10
TL16C550CPTR	296-1787-1-ND	Async. Communication Element	48-LQFP	3.38	2.70	2.10
TL16C550CPTR	296-1787-2-ND	Async. Communication Element	48-LQFP	1913.00/1,000		
TL16C550DIPT	296-16981-ND	Async. Communication Element	48-LQFP	3.74	2.99	2.33
TL16C550DIRHB	296-17676-ND	Async. Communication Element	32-QFN	3.74	2.99	2.33
TL16C550DPFB	296-18722-ND	Async. Communication Element	48-TQFP	3.42	2.74	2.13
TL16C550DRHB	296-17677-ND	Async. Communication Element	32-QFN	3.42	2.74	2.13
TL16C552AFN	296-1788-5-ND	Dual Async. Communication	68-PLCC	6.58	5.27	4.45
TL16C552AFNR	296-1788-1-ND	Dual Async. Communication	68-PLCC	6.58	5.27	4.45
TL16C552AFNR	296-1788-2-ND	Dual Async. Communication	68-PLCC	1069.25/250		
TL16C552AIFN	296-10159-5-ND	Dual Async. Communication	68-PLCC	6.84	5.48	4.62
TL16C552APN	296-10160-ND	Dual Async. Communication	80-LQFP	6.58	5.27	4.45
TL16C554AFN	296-6587-5-ND	Quad UART with 16-Byte FIFO	68-PLCC	8.55	7.70	6.83
TL16C554APN	296-6588-5-ND	Quad UART with 16-Byte FIFO	80-LQFP	8.55	7.70	6.83
TL16C554IFN	296-6589-5-ND	Quad UART with 16-Byte FIFO	68-PLCC	8.83	7.95	7.05
TL16C750FN	296-2647-5-ND	64-Byte FIFO UART	44-PLCC	6.32	5.06	4.27
TL16C750IPM	296-6591-5-ND	Single UART with 64-Byte FIFO, AFC, Low Power Modes	64-LQFP	6.92	5.54	4.68
TL16C750PM	296-6592-5-ND	Single UART with 64-Byte FIFO, AFC, Low Power Modes	64-LQFP	6.66	5.33	4.50
TL16C752BPT	296-2648-ND	3.3V Dual UART with 64-Byte FIFO	48-LQFP	5.32	4.26	3.60
TL16C752BTPTREP	296-18136-1-ND	3.3V Dual UART with 64-Byte FIFO	48-LQFP	15.14	13.64	12.09
TL16C752BTPTREP	296-18136-2-ND	3.3V Dual UART with 64-Byte FIFO	48-LQFP	11226.00/1,000		
TL16C754BFN	296-2650-5-ND	Quad 64-Byte FIFO UART	68-PLCC	11.88	10.70	9.49
TL16C754BPN	296-6593-5-ND	Quad UART with 64-Byte FIFO	80-LQFP	11.88	10.70	9.49
TL16C2550PFB	296-18721-ND	1.8V to 5V Dual UART	48-TQFP	5.32	4.26	3.60
TL16C2552FN	296-19881-5-ND	1.8V to 5V Dual UART with 16-Byte FIFOs **NEW!**	44-PLCC	5.70	4.56	3.85
TL16PC564BGGM	296-14404-ND	PCMCIA UART with 64-Byte FIFO	100-BGA	9.83	8.85	7.85
TL16PC564BLVPZ	296-2651-ND	PCMCIA UART	100-LQFP	10.16	9.15	8.12
TL16PC564BPZ	296-6594-5-ND	Single UART with 64-Byte FIFO, PCMCIA Interface	100-LQFP	9.83	8.85	7.85
TL16PIR552PH	296-6595-5-ND	Dual UART with 16-Byte FIFO, Selectable IR and 1284 Modes	80-QFP	10.16	9.15	8.12
USB						
TUSB2036VF	296-11086-ND	2/3-Port USB Hub	32-LQFP	2.45	1.96	1.47
TUSB2036VFG4	296-17784-ND	2/3-Port USB Hub	32-LQFP	2.45	1.96	1.47
TUSB2046BIVFR	296-11087-1-ND	4-Port USB Hub	32-LQFP	2.59	2.07	1.61
TUSB2046BIVFR	296-11087-2-ND	4-Port USB Hub	32-LQFP	1466.00/1,000		
TUSB2046BVF	296-11088-ND	4-Port USB Hub	32-LQFP	2.32	1.86	1.45
TUSB2077APT	296-11089-ND	7-Port USB Hub	48-LQFP	4.39	3.51	2.73
TUSB2136PM	296-11090-ND	2-Port USB Hub	64-LQFP	6.50	5.20	4.39
TUSB3200ACPAH	296-12289-5-ND	USB Streaming Controller	52-TQFP	8.90	7.12	6.01
TUSB3200CPAH	296-11091-ND	USB Streaming Controller	52-TQFP	7.60	6.08	5.13
TUSB3210PM	296-11092-ND	Universal Serial Bus Controller	64-LQFP	5.00	4.00	3.38
TUSB3410IVF	296-16757-ND	USB-to-Serial Port Controller	32-LQFP	5.00	4.00	3.38
TUSB3410UARTPDK	296-18080-ND	Product Design Kit for TUSB3410	—	126.84	—	—
TUSB5052PZ	296-12525-ND	5-Port USB Hub Controller	100-LQFP	8.72	6.98	5.89
TUSB6250DEMO	296-18081-ND	Demo Board for TUSB6250	—	126.84	—	—
TUSB6250PEC	296-19024-ND	USB 2.0 HS Capable Function Controller	80-TQFP	5.60	4.48	3.78
USB Transient Suppression						
SN65220DBVR	296-9694-1-ND	Single USB Port Transient Suppressor	SOT-23-6	.84	.70	.56
SN65220DBVR	296-9694-2-ND	Single USB Port Transient Suppressor	SOT-23-6	1092.00/3,000		
SN65220DBVT	296-2341-1-ND	Single USB Port Transient Suppressor	SOT-23-6	.90	.75	.60
SN65220DBVT	296-2341-2-ND	Single USB Port Transient Suppressor	SOT-23-6	112.50/250		
SN65220YZBT	296-17206-1-ND	Single USB Port Transient Suppressor	4-WCSP	.96	.72	.54
SN65220YZBT	296-17206-2-ND	Single USB Port Transient Suppressor	4-WCSP	99.50/250		
SN75240P	296-6596-5-ND	Dual USB Port Transient Suppressor	8-Dip	.99	.83	.66
SN75240PWR	296-6596-1-ND	Dual USB Port Transient Suppressor	8-TSSOP	.99	.83	.66
SN75240PWR	296-6596-2-ND	Dual USB Port Transient Suppressor	8-TSSOP	878.00/2,000		
SN65240P	296-9695-5-ND	Dual USB Port Transient Suppressor	8-Dip	.99	.83	.66
SN65240PW	296-9696-5-ND	Dual USB Port Transient Suppressor	8-TSSOP	.99	.83	.66
SN65240PWR	296-9696-1-ND	Dual USB Port Transient Suppressor	8-TSSOP	.99	.83	.66
SN65240PWR	296-9696-2-ND	Dual USB Port Transient Suppressor	8-TSSOP	878.00/2,000		
Video Decoder / Encoder						
TVP5031PFP	296-11093-ND	9-Bit with 3-Line Adaptive Comb NTSC/PAL Digital Video Decoder	80-TQFP	17.18	16.03	14.89
TVP5040CPFP	296-11802-ND	10-Bit Dual-Channel NTSC-PAL Digital Video Decoder	80-TQFP	17.18	16.03	14.89
TVP5145PFP	296-13021-5-ND	Digital Video Decoder with Macrovision Detection	80-TQFP	16.58	14.93	13.24
TVP5146M2PFP	296-18306-ND	Single Chip Digital Video Decoder	80-HTQFP	10.41	9.38	8.32
TVP5146PFP	296-16649-ND	Digital Video Decoder	80-TQFP	10.41	9.38	8.32
TVP5147M1PFP	296-18307-ND	Single Chip Digital Video Decoder	80-HTQFP	10.00	9.00	7.98
TVP5147PFP	296-16763-ND	Digital Video Decoder	80-TQFP	10.00	9.00	7.98
TVP5150AM1PBSR	296-17016-1-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	32-TQFP	8.00	6.40	5.40
TVP5150AM1PBSR	296-17016-2-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	32-TQFP	5000.00/1,000		
TVP5150AM1ZQC	296-17075-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	48-BGA	16.00	12.00	9.00
TVP5150APBS	296-16650-ND	NTSC/PAL/SECAM Video Decoder	32-TQFP	10.55	9.50	8.42
TVP5150APBSR	296-16845-1-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	32-TQFP	10.55	9.50	8.42
TVP5150APBSR	296-16846-2-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	32-TQFP	7818.00/1,000		
TVP5150PBS	296-19303-ND	NTSC/PAL/SECAM Video Decoder with Robust Sync. Detector	32-TQFP	8.00	6.40	5.40
TVP5154PNP	296-19651-ND	4-Channel Low Power PAL/NTSC/SECAM Video Decoder **NEW!**	128-TQFP	14.99	13.50	11.97
TVP5160PNP	296-17800-ND	NTSC/PAL/SECAM Component 2x10-Bit Digital Video Decoder	128-HTQFP	13.33	12.00	10.64
TVP6000CPFP	296-11094-ND	NTSC/PAL Video Encoder	80-TQFP	12.66	11.40	10.11
TVP7000PZP	296-18741-ND	Triple 8/10-Bit, 150/110 MSPS, Video and Graphics Digitizer	100-TQFP	8.50	6.80	5.74
TVP7001PZP	296-19616-ND	Triple 8/10-Bit, 165/110MSPS, Video/ Graphics Digitizer	100-HTQFP	9.50	7.60	6.42

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AMC1210IRHAT	296-19667-1-ND	Quad Digital Filter for 2nd Order Delta Sigma Modulator **NEW!**	40-QFN	3.94	3.15	2.45
AMC1210IRHAT	296-19667-2-ND	Quad Digital Filter for 2nd Order Delta Sigma Modulator **NEW!**	40-QFN	582.00/250		
AMC7820EVM	296-13540-ND	Evaluation Module for AMC7820 **NEW!**	—	126.84	—	—
AMC7820Y/250	296-12621-1-ND	Analog Monitoring/Control Circuit	48-TQFP	6.30	6.64	5.61
AMC7820Y/250	296-12621-2-ND	Analog Monitoring/Control Circuit	48-TQFP	1348.75/250		
AMC7823IRTAT	296-18680-1-ND	Analog Monitoring/Control Circuit	40-QFN	16.13	15.05	13.98
AMC7823IRTAT	296-18680-2-ND	Analog Monitoring/Control Circuit	40-QFN	3426.50/250		
Analog-to-Digital Converters						
ADS574JP	ADS574JP-ND	12-Bit, 40kHz Sampling CMOS ADC	28-Dip	30.15	28.14	26.13
ADS574KP	ADS574KP-ND	12-Bit, 40kHz Sampling CMOS ADC	28-Dip	34.95	32.62	30.29
ADS774JP	ADS774JP-ND	12-Bit, 117kHz Sampling CMOS ADC	28-Dip	34.28	31.99	29.71
ADS774JU	ADS774JU-ND	12-Bit, 117kHz Sampling CMOS ADC	28-Dip	27.38	25.55	23.73
ADS774KE	ADS774KE-ND	12-Bit, 117kHz Sampling CMOS ADC	28-Dip	32.85	30.66	28.47
ADS774KP	ADS774KP-ND	12-Bit, 117kHz Sampling CMOS ADC	28-Dip	39.75	37.10	34.45
ADS774KU	ADS774KU-ND	12-Bit, 117kHz Sampling CMOS ADC	28-SOIC	32.85	30.66	28.47
ADS800U	ADS800U-ND	12-Bit, 40MHz Sampling ADC	28-SOIC	48.28	43.19	40.11
ADS801U	ADS801U-ND	12-Bit, 25MHz Sampling ADC	28-SOIC	18.83	17.57	16.32
ADS802U	ADS802U-ND	12-Bit, 10MHz Sampling ADC	28-SOIC	18.90	17.64	16.38
ADS803E	ADS803E-ND	12-Bit, 5MHz Sampling ADC	28-SSDP	12.33	11.10	9.85
ADS804E	ADS804E-ND	12-Bit, 10MHz Sampling ADC	28-SSOP	15.33	13.80	12.24
ADS805E	ADS805E-ND	12-Bit, 20MHz Sampling ADC	28-SSOP	16.49	14.85	13.17
ADS807E	ADS807E-ND	12-Bit, 53MHz ADC	28-SSOP	16.95	15.82	14.69
DEM-ADS807E	296-18423-ND	Evaluation Fixture for ADS807E	—	254.96	—	—
ADS808Y/250	ADS808Y/250CT-ND	12-Bit, 70MSPS Sampling ADC	48-TQFP	32.18	30.03	27.89
ADS808Y/250	ADS808Y/250TR-ND	12-Bit, 70MSPS Sampling ADC	48-TQFP	6837.25/250		
ADS809Y/250	ADS809Y/250CT-ND	12-Bit, 80MSPS Sampling ADC	48-TQFP	41.18	38.43	35.69
ADS809Y/250	ADS809Y/250TR-ND	12-Bit, 80MSPS Sampling ADC	48-TQFP	8749.75/250		
ADS820U	ADS820U-ND	10-Bit, 20MHz Sampling ADC	28-SOIC	11.25	10.13	8.98
ADS821U	ADS821U-ND	10-Bit, 40MHz Sampling ADC	28-SOIC	19.58	18.27	16.97
ADS822E	ADS822E-ND	10-Bit, 40MHz Sampling ADC	28-SSOP	8.75	7.88	6.99
ADS823E	ADS823E-ND	10-Bit, 60MHz Sampling ADC	28-SSOP	13.99	12.60	11.18
DEM-ADS823E	296-18424-ND	Evaluation Fixture for ADS823E	—	190.89	—	—
ADS825E	ADS825E-ND	10-Bit, 40MHz ADC	28-SSOP	8.75	7.88	6.99
ADS826E	ADS826E-ND	10-Bit, 60MHz ADC	28-SSOP	13.99	12.60	11.18
ADS828E	ADS828E-ND	10-Bit, 75MHz ADC	28-SSOP	14.49	13.05	11.58
ADS830E	ADS830E-ND	8-Bit, 60MHz ADC	20-QSOP	5.50	4.40	3.72
ADS830E/2K5	ADS830E-ND	8-Bit, 60MHz ADC	20-QSOP	8525.00/2,500		
DEM-ADS830E	296-18425-ND	Demo Board for ADS830E	—	190.89	—	—
ADS831E	ADS831E-ND	8-Bit, 80MHz ADC	20-QSOP	6.30	5.04	4.26
DEM-ADS831E	296-18426-ND	Demo Board for ADS831E	—	190.89	—	—
ADS850-EVM	296-12198-ND	Evaluation Module for ADS850 **NEW!**	—	190.89	—	—
ADS850Y/2K5	ADS850YCT-ND	14-Bit, 10MSPS Self-Calibrating ADC	48-TQFP	27.75	25.90	24.05
ADS850Y/2K5	ADS850YTR-ND	14-Bit, 10MSPS Self-Calibrating ADC	48-TQFP	5897.00/250		
ADS900E	ADS900E-ND	10-Bit, 20MHz +3V, Supply ADC with Internal Ref	28-SSOP	7.10	5.68	4.80
DEM-ADS9XXE	296-18427-ND	Demo Board for ADS900 Series	—	190.89	—	—
ADS901E	ADS901E-ND	10-Bit, 20MHz +3V, Supply ADC	28-SSOP	6.80	5.44	4.59
ADS930E	ADS930E-ND	8-Bit, 30MHz Sampling ADC with Internal Ref	28-SSOP	5.18	4.14	3.22
ADS931E	ADS931E-ND	8-Bit, 30MHz Sampling ADC	28-SSOP	4.95	3.96	3.08
ADS1100A0IDBVT	296-12966-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A0IDBVT	296-12966-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A1IDBVT	296-14298-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A1IDBVT	296-14298-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A2IDBVT	296-14299-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A2IDBVT	296-14299-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A3IDBVT	296-14300-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A3IDBVT	296-14300-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A4IDBVT	296-14301-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A4IDBVT	296-14301-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A5IDBVT	296-14302-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A5IDBVT	296-14302-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100A6IDBVT	296-14303-1-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	4.50	3.60	2.80
ADS1100A6IDBVT	296-14303-2-ND	16-Bit ADC, Self-Calibrating	SOT-23-6	665.00/250		
ADS1100EVM	296-19903-ND	Evaluation Module for ADS1100 **NEW!**	—	62.78	—	—
ADS1110A0IDBVT	296-14461-1-ND	16-Bit ADC with Onboard Ref	SOT-23-6	4.84	3.87	3.01
ADS1110A0IDBVT	296-14461-2-ND	16-Bit ADC with Onboard Ref	SOT-23-6	715.00/250		
ADS1110A1IDBVT	296-14462-1-ND	16-Bit ADC with Onboard Ref	SOT-23-6	4.84	3.87	3.01
ADS1110A1IDBVT	296-14462-2-ND	16-Bit ADC with Onboard Ref	SOT-23-6	715.00/250		

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADS5545EVM	296-19452-ND	Evaluation Module for ADS5545	—	383.07	—	—
ADS5546IRGZT	296-20632-1-ND	14-Bit, 190MSPS ADC with DDR LVDS/CMOS Output ***NEW!***	48-QFN	108.75	101.50	94.25
ADS5546IRGZT	296-20632-2-ND	14-Bit, 190MSPS ADC with DDR LVDS/CMOS Output ***NEW!***	48-QFN	2310	9.50/250	
ADS5553IPFP	296-17827-ND	Dual 14-Bit, 65MSPS ADC	80-HTQFP	45.00	42.00	39.00
ADS7800JP	ADS7800JP-ND	12-Bit, 3µS Sampling ADC	24-Dip	45.08	42.07	39.07
ADS7800JU	ADS7800JU-ND	12-Bit, 3µS Sampling ADC	24-SOIC	45.08	42.07	39.07
ADS7800KP	ADS7800KP-ND	12-Bit, 3µS Sampling ADC	24-Dip	54.15	50.54	46.93
ADS7800KU	ADS7800KU-ND	12-Bit, 3µS Sampling ADC	24-SOIC	54.15	50.54	46.93
ADS7804P	ADS7804P-ND	12-Bit, 10µS Sampling CMOS ADC	28-Dip	22.13	20.65	19.18
ADS7804PB	ADS7804PB-ND	12-Bit, 10µS Sampling CMOS ADC	28-Dip	29.33	27.37	25.42
ADS7804U	ADS7804U-ND	12-Bit, 10µS Sampling CMOS ADC	28-SOIC	21.08	19.67	18.27
ADS7804UB	ADS7804UB-ND	12-Bit, 10µS Sampling CMOS ADC	28-SOIC	28.28	26.39	24.51
ADS7805P	ADS7805P-ND	16-Bit, 10µS Sampling CMOS ADC	28-Dip .3	32.64	30.47	28.29
ADS7805PB	296-19910-ND	16-Bit, 10µS Sampling CMOS ADC ***NEW!***	28-Dip	43.19	40.31	37.43
ADS7805U	ADS7805U-ND	16-Bit, 10µS Sampling CMOS ADC	28-SOIC	31.07	29.00	26.93
ADS7805UB	ADS7805UB-ND	16-Bit, 10µS Sampling CMOS ADC	28-SOIC	41.69	38.91	36.13
ADS7806P	ADS7806P-ND	LP 12-Bit Sampling CMOS ADC	28-Dip	19.13	17.85	16.58
ADS7806U	ADS7806U-ND	LP 12-Bit Sampling CMOS ADC	28-SOIC	19.13	17.85	16.58
ADS7807P	ADS7807P-ND	LP 16-Bit Sampling CMOS ADC	28-Dip .3	43.20	40.32	37.44
ADS7807PB	ADS7807PB-ND	LP 16-Bit Sampling CMOS ADC	28-Dip	51.38	47.95	44.53
ADS7807U	ADS7807U-ND	LP 16-Bit Sampling CMOS ADC	28-SOIC	41.10	38.36	35.62
ADS7807UB	ADS7807UB-ND	LP 16-Bit Sampling CMOS ADC	28-SOIC	49.35	46.06	42.77
ADS7808U	ADS7808U-ND	12-Bit, 10µS Sampling CMOS ADC	20-SOIC	16.28	15.19	14.11
ADS7808UB	ADS7808UB-ND	12-Bit, 10µS Sampling CMOS ADC	20-SOIC	21.83	20.37	18.92
ADS7809EVM	296-17703-ND	Evaluation Module for ADS7809	—	62.78	—	—
ADS7809U	ADS7809U-ND	16-Bit, 10µS Sampling CMOS ADC	20-SOIC	31.07	29.00	26.93
ADS7809UB	ADS7809UB-ND	16-Bit, 10µS Sampling CMOS ADC	20-SOIC	41.69	38.91	36.13
ADS7810U	ADS7810U-ND	12-Bit, 800KHz Sampling CMOS ADC	28-SOIC	41.70	38.92	36.14
ADS7811U	ADS7811U-ND	16-Bit, 250KHz Sampling ADC	28-SOIC	54.23	50.61	47.00
ADS7812P	ADS7812P-ND	LP Serial 12-Bit Sampling ADC	16-Dip	18.60	17.36	16.12
ADS7812U	ADS7812U-ND	LP Serial 12-Bit Sampling ADC	16-SOIC	17.70	16.52	15.34
ADS7813P	ADS7813P-ND	LP Serial 16-Bit Sampling ADC	16-Dip	33.60	31.36	29.12
ADS7813U	ADS7813U-ND	LP Serial 16-Bit Sampling ADC	16-SOIC	31.95	29.82	27.69
ADS7815U	ADS7815U-ND	16-Bit, 250KHz Sampling CMOS ADC	28-SOIC	31.95	29.82	28.76
ADS7816E/250	ADS7816ECT-ND	12-Bit, High Speed Micropower Sampling ADC	8-MSOP	4.59	3.68	2.86
ADS7816E/250	ADS7816ETR-ND	12-Bit, High Speed Micropower Sampling ADC	8-MSOP	678.25/250		
ADS7816EB/250	ADS7816EBCT-ND	12-Bit, High Speed Micropower Sampling ADC	8-MSOP	5.45	4.36	3.39
ADS7816EB/250	ADS7816EBTR-ND	12-Bit, High Speed Micropower Sampling ADC	8-MSOP	804.75/250		
ADS7816EC/250	ADS7816ECCT-ND	12-Bit, 200KHz Micropower Sampling ADC	8-MSOP	5.42	4.34	3.66
ADS7816EC/250	ADS7816ECTR-ND	12-Bit, High Speed Micropower Sampling ADC	8-MSOP	880.75/250		
ADS7816EVM	296-19911-ND	Evaluation Module for ADS7816 ***NEW!***	—	62.78	—	—
ADS7816P	ADS7816P-ND	12-Bit, High Speed Micropower Sampling ADC	8-Dip	4.16	3.33	2.59
ADS7816PB	ADS7816PB-ND	12-Bit, High Speed Micropower Sampling ADC	8-Dip	5.02	4.02	3.13
ADS7816PC	ADS7816PC-ND	12-Bit, High Speed Micropower Sampling ADC	8-Dip	5.04	4.04	3.41
ADS7816U	ADS7816U-ND	12-Bit, High Speed Micropower Sampling ADC	8-SOIC	4.16	3.33	2.59
ADS7816UB	ADS7816UB-ND	12-Bit, High Speed Micropower Sampling ADC	8-SOIC	5.02	4.02	3.13
ADS7816UC	ADS7816UC-ND	12-Bit, High Speed Micropower Sampling ADC	8-SOIC	5.04	4.04	3.41
ADS7817E/250	ADS7817ECT-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-MSOP	4.84	3.87	3.01
ADS7817E/250	ADS7817ETR-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-MSOP	715.00/250		
ADS7817EB/250	ADS7817EBCT-ND	12-Bit, 200KHz Differential Micropower, Sampling ADC	8-MSOP	5.10	4.08	3.45
ADS7817EB/250	ADS7817EBTR-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-MSOP	828.75/250		
ADS7817EC/250	ADS7817ECCT-ND	12-Bit, 200KHz Differential Micropower, Sampling ADC	8-MSOP	5.70	4.56	3.85
ADS7817EC/250	ADS7817ECTR-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-MSOP	926.25/250		
ADS7817EVM	296-19912-ND	Evaluation Module for ADS7817 ***NEW!***	—	62.78	—	—
ADS7817U	ADS7817U-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-SOIC	4.39	3.51	2.73
ADS7817UB	ADS7817UB-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-SOIC	4.84	3.87	3.01
ADS7817UC	ADS7817UC-ND	12-Bit, Differential Input Micropower, Sampling ADC	8-SOIC	5.30	4.24	3.58
ADS7818E/250	ADS7818ECT-ND	12-Bit, 500KHz ADC (±2 LSB)	8-MSOP	5.50	4.40	3.72
ADS7818E/250	ADS7818ETR-ND	12-Bit, 500KHz ADC (±2 LSB)	8-MSOP	893.75/250		
ADS7818EB/250	ADS7818EBCT-ND	12-Bit, 500KHz ADC (±1 LSB)	8-MSOP	6.50	5.20	4.39
ADS7818EB/250	ADS7818EBTR-ND	12-Bit, 500KHz ADC (±1 LSB)	8-MSOP	1056.25/250		
ADS7818EVM	296-19913-ND	Evaluation Module for ADS7818 ***NEW!***	—	62.78	—	—
ADS7818P	ADS7818P-ND	12-Bit, 500KHz ADC (±1 LSB)	8-Dip	5.00	4.00	3.38
ADS7818PB	ADS7818PB-ND	12-Bit, 500KHz ADC (±1 LSB)	8-Dip	6.00	4.80	4.05
ADS7822E/250	ADS7822ECT-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	3.74	2.99	2.33
ADS7822E/250	ADS7822ETR-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	552.00/250		
ADS7822EB/250	ADS7822EBCT-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	4.07	3.26	2.54
ADS7822EB/250	ADS7822EBTR-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	601.75/250		
ADS7822EC/250	ADS7822ECCT-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	4.39	3.51	2.73
ADS7822EC/250	ADS7822ECTR-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-MSOP	648.50/250		
ADS7822EVM	296-18367-ND	Evaluation Module for ADS7822	—	62.78	—	—
ADS7822P	ADS7822P-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-Dip	3.31	2.65	2.06
ADS7822U	ADS7822U-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-SOIC	3.31	2.65	2.06
ADS7822UB	ADS7822UB-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-SOIC	3.74	2.99	2.33
ADS7822UC	ADS7822UC-ND	12-Bit, 2.7V, Micropower Sampling ADC	8-SOIC	4.07	3.26	2.54
ADS7823-28EVM	296-18368-ND	Evaluation Module for ADS7823-28	—	62.78	—	—
ADS7823E/250	ADS7823E/250CT-ND	12-Bit, LP Sampling CMOS ADC	8-MSOP	6.30	5.04	4.26
ADS7823E/250	ADS7823E/250TR-ND	12-Bit, LP Sampling CMOS ADC	8-MSOP	1023.75/250		
ADS7823EB/250	ADS7823EB/250CT-ND	12-Bit, LP Sampling CMOS ADC	8-MSOP	7.50	6.00	5.07
ADS7823EB/250	ADS7823EB/250TR-ND	12-Bit, LP Sampling CMOS ADC	8-MSOP	1218.75/250		
ADS7824P	ADS7824P-ND	12-Bit, 4-Ch. Sampling CMOS ADC	28-Dip .3	20.70	19.32	17.94
ADS7824PB	ADS7824PB-ND	12-Bit, 4-Ch. Sampling CMOS ADC	28-Dip	22.65	21.14	19.63
ADS7824U	ADS7824U-ND	12-Bit, 4-Ch. Sampling CMOS ADC	28-SOIC	19.65	18.34	17.03
ADS7824UB	ADS7824UB-ND	12-Bit, 4-Ch. Sampling CMOS ADC	28-SOIC	21.68	20.23	18.79
ADS7825P	ADS7825P-ND	16-Bit, 4-Ch. Sampling CMOS ADC	28-Dip .3	46.58	43.47	40.37
ADS7825U	ADS7825U-ND	16-Bit, 4-Ch. Sampling CMOS ADC	28-SOIC	44.33	41.37	38.42
ADS7825UB	ADS7825UB-ND	16-Bit, 4-Ch. Sampling CMOS ADC	28-SOIC	53.25	49.70	46.15
ADS7826EVM	296-18369-ND	Evaluation Module for ADS7826	—	62.78	—	—
ADS7826IDRBT	296-15316-1-ND	10-Bit, 2.7V, Sampling ADC	8-SON	3.15	2.52	1.96
ADS7826IDRBT	296-15316-2-ND	10-Bit, 2.7V, Sampling ADC	8-SON	465.50/250		
ADS7827EVM	296-18370-ND	Evaluation Module for ADS7827	—	62.78	—	—
ADS7827IDRBT	296-15317-1-ND	8-Bit, 2.7V, Sampling ADC	8-SON	2.48	1.98	1.54
ADS7827IDRBT	296-15317-2-ND	8-Bit, 2.7V, Sampling ADC	8-SON	365.75/250		
ADS7828E/250	296-12402-1-ND	12-Bit, 8-Ch. Sampling CMOS ADC	16-TSSOP	7.40	5.92	5.00
ADS7828E/250	296-12402-2-ND	12-Bit, 8-Ch. Sampling CMOS ADC	16-TSSOP	1202.50/250		
ADS7828EB/250	296-12756-1-ND	12-Bit, 8-Ch. Sampling CMOS ADC	16-TSSOP	8.80	7.04	5.94
ADS7828EB/250	296-12756-2-ND	12-Bit, 8-Ch. Sampling CMOS ADC	16-TSSOP	1430.00/250		
ADS7829EVM	296-18371-ND	Evaluation Module for ADS7829	—	62.78	—	—
ADS7829IBDRBT	296-15245-1-ND	12-Bit, 2.7V Sampling HS ADC	8-SON	4.84	3.87	3.01
ADS7829IBDRBT	296-15245-2-ND	12-Bit, 2.7V Sampling HS ADC	8-SON	715.00/250		
ADS7829IDRBT	296-15246-1-ND	12-Bit, 2.7V Sampling HS ADC	8-SON	3.71	2.97	2.31
ADS7829IBDRBT	296-15246-2-ND	12-Bit, 2.7V Sampling HS ADC	8-SON	548.75/250		
ADS7830IPWT	296-16680-1-ND	8-Bit, 8-Channel ADC	16-TSSOP	3.49	2.79	2.17
ADS7830IPWT	296-16680-2-ND	8-Bit, 8-Channel ADC	16-TSSOP	515.50/250		
ADS7834EB/250	ADS7834EBCT-ND	12-Bit, 500KHz LP Sampling ADC	8-MSOP	6.40	5.12	4.32
ADS7834EB/250	ADS7834EBTR-ND	12-Bit, 500KHz LP Sampling ADC	8-MSOP	1040.00/250		
ADS7834EVM	296-19914-ND	Evaluation Module for ADS7834 ***NEW!***	—	62.78	—	—
ADS7835E/250	ADS7835ECT-ND	12-Bit, 500KHz Bipolar Sampling ADC, ±2LSB	8-MSOP	6.10	4.88	4.12
ADS7835E/250	ADS7835ETR-ND	12-Bit, 500KHz Bipolar Sampling ADC, ±2LSB	8-MSOP	991.25/250		
ADS7835EB/250	ADS7835EBCT-ND	12-Bit, 500KHz Bipolar Sampling ADC, ±1LSB	8-MSOP	7.20	5.76	4.86
ADS7835EB/250	ADS7835EBTR-ND	12-Bit, 500KHz Bipolar Sampling ADC, ±1LSB	8-MSOP	1170.00/250		
ADS7835EVM	296-18372-ND	Evaluation Module for ADS7835	—	62.78	—	—
ADS7841E	ADS7841E-ND	12-Bit, 4-Channel Serial Output ADC	16-SSOP	5.36	4.29	3.34
ADS7841EB	ADS7841EB-ND	12-Bit, 4-Channel Serial Output ADC	16-SSOP	5.70	4.56	3.85
ADS7841P	ADS7841P-ND	12-Bit, 4-Channel Serial Output ADC	16-Dip	5.04	4.04	3.41
ADS7841PB	ADS7841PB-ND	12-Bit, 4-Channel Serial Output ADC	16-Dip	5.98	4.79	4.04
ADS7842E	ADS7842E-ND	12-Bit, 4-Ch. Parallel Output ADC	28-SSOP	6.20	4.96	4.19
ADS7842EB	ADS7842EB-ND	12-Bit, 4-Ch. Parallel Output ADC	28-SSOP	7.40	5.92	5.00
ADS7843E	ADS7843E-ND	4-Wire Touch Screen Controller	16-SSOP	3.65	2.92	2.27
ADS7844E	ADS7844E-ND	12-Bit, 8-Channel, 200KHz ADC	20-QSOP	5.52	4.42	3.73
ADS7844E/2K5	ADS7844ETR-ND	12-Bit, 8-Channel, 200KHz ADC	20-QSOP	8555.00/2,500		
ADS7844EB	ADS7844EB-ND	12-Bit, 8-Channel, 200KHz ADC	20-QSOP	6.66	5.33	4.50
ADS7844E/2K5	ADS7844EBTR-ND	12-Bit, 8-Channel, 200KHz ADC	20-QSOP	10322.50/2,500		
ADS7844N	ADS7844N-ND	12-Bit, 8-Channel, 200KHz ADC	20-SSOP	5.52	4.42	3.73
ADS7844NB	ADS7844NB-ND	12-Bit, 8-Channel, 200KHz ADC	20-SSOP	6.66	5.33	4.50
ADS7845E	ADS7845E-ND	5-Wire Touch Screen Controller	16-SSOP	8.40	6.72	5.67
ADS7846E	ADS7846E-ND	4-Wire Touch Screen Controller	16-SSOP	4.39	3.51	2.73
ADS7846IGQCR	296-14470-1-ND	4-Wire Touch Screen Controller	48-VFBGA	5.36	4.29	3.34
ADS7846IGQCR	296-14470-2-ND	4-Wire Touch Screen Controller	48-VFBGA	7497.50/2,500		
ADS7846IRGVT	296-15076-1-ND	4-Wire Touch Screen Controller	16-QFN	4.82	3.86	3.00
ADS7846IRGVT	296-15076-2-ND	4-Wire Touch Screen Controller	16-QFN	711.50/250		
ADS7846N	ADS7846N-ND	4-Wire Touch Screen Controller	16-TSSOP	4.39	3.51	2.73
ADS7852Y/250	ADS7852YCT-ND	8-Channel, 12-Bit, Parallel Output ADC, ±2LSB	32-TQFP	7.50	6.00	5.07
ADS7852Y/250	ADS7852YTR-ND	8-Channel, 12-Bit, Parallel Output ADC, ±2LSB	32-TQFP	1218.75/250		
ADS7852YB/250	ADS7852YBCT-ND	8-Channel, 12-Bit, Parallel Output ADC, ±1LSB	32-TQFP	8.90	7.12	6.01
ADS7852YB/250	ADS7852YBTR-ND	8-Channel, 12-Bit, Parallel Output ADC, ±1LSB	32-TQFP	1446.25/250		
ADS7861E	ADS7861E-ND	Dual 12-Bit, 500KHz Simult. Sampling Serial ADC	24-SSOP	8.10	6.48	5.47
ADS7861EB	ADS7861EB-ND	Dual 12-Bit, 500KHz Simult. Sampling Serial ADC, ±1LSB	24-SSOP	9.80	7.84	6.62
ADS7861EVM	296-19915-ND	Evaluation Module for ADS7861 ***NEW!***	—	62.78	—	—
ADS7861IBRHBT	296-19570-1-ND	Dual 500KHz, 12-Bit ADC	32-QFN	8.83	7.95	7.05
ADS7861IBRHBT	296-19570-2-ND	Dual 500KHz, 12-Bit ADC	32-QFN	1689.50/250		
ADS7861IRHBT	296-19571-1-ND	Dual 500KHz, 12-Bit ADC	32-QFN	9.00	7.20	6.08
ADS7861IRHBT	296-19571-2-ND	Dual 500KHz, 12-Bit ADC	32-QFN	1462.50/250		
ADS7862Y/250	ADS7862YCT-ND	Dual 12-Bit, 500KHz Simult. Sampling Parallel ADC, ±2LSB	32-TQFP	10.50	9.45	8.38
ADS7862Y/250	ADS7862YTR-ND	Dual 12-Bit, 500KHz Simult. Sampling Parallel ADC, ±2LSB	32-TQFP	2008.25/250		
ADS7862YB/250	ADS7862YBCT-ND	Dual 12-Bit, 500KHz Simult. Sampling Parallel ADC, ±1LSB	32-TQFP	12.41	11.18	9.91
ADS7862YB/250	ADS7862YBTR-ND	Dual 12-Bit, 500KHz Simult. Sampling Parallel ADC, ±1LSB	32-TQFP	2374.75/250		
ADS7864Y/250	ADS7864YCT-ND	12-Bit, 500KHz, 6-Channel ADC	48-TQFP	12.25	11.03	9.78
ADS7864Y/250	ADS7864YTR-ND	12-Bit, 500KHz, 6-Channel ADC	48-TQFP	2342.75/250		
ADS7864YB/250	ADS7864YBCT-ND	12-Bit, 500KHz, 6-Channel ADC	48-TQFP	13.91	12.53	11.11
ADS7864YB/250	ADS7864YBTR-ND	12-Bit, 500KHz, 6-Channel ADC	48-TQFP	2661.50/250		
DEM-ADS7864	296-19944-ND	Demo Board for ADS7864 ***NEW!***	—	126.84	—	—
ADS7866IDBVT	296-18271-1-ND	1.2V, 12-Bit, 200KSPS, Mini ADC	SOT-23-6	4.61	3.69	2.87
ADS7866IDBVT	296-18216-2-ND	1.2V, 12-Bit, 200KSPS, Mini ADC	SOT-23-6	681.75/250		
ADS7867IDBVT	296-18217-1-ND	1.2V, 10-Bit, 200KSPS, Mini ADC	SOT-23-6	3.49	2.79	2.17
ADS7867IDBVT	296-18217-2-ND	1.2V, 10-Bit, 200KSPS, Mini ADC	SOT-23-6	515.50/250		
ADS7868IDBVT	296-18218-1-ND	1.2V, 8-Bit, 200KSPS, Mini ADC	SOT-23-6	2.25	1.80	1.35
ADS7868IDBVT	296-18218-2-ND	1.2V, 8-Bit, 200KSPS, Mini ADC	SOT-23-6	315.00/250		
ADS7869IPZTR	296-18373-1-ND	Analog Motor Control Front-End	100-TQFP	21.90	20.44	18.98
ADS7869IPZTR	296-18373-2-ND	Analog Motor Control Front-End	100-TQFP	18031.00/1,000		

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ADSL Drivers						
THS6092ID	296-12319-5-ND	Dual HS ADSL SPE Line Driver	8-SOIC	4.59	3.68	2.86
THS6092IDDAR	296-12669-1-ND	Dual HS ADSL SPE Line Driver	8-SOIC	4.59	3.68	2.86
THS6092IDDAR	296-12669-2-ND	Dual HS ADSL SPE Line Driver	8-SOIC		6425.00/2,500	
THS6093EVM	296-20569-ND	Evaluation Module for THS6093 **NEW!**	—	62.78	—	—
THS6093ID	296-11986-5-ND	Dual HS ADSL CPE Line Driver w/SD	14-SOIC	4.59	3.68	2.86
THS6093IPWP	296-12320-5-ND	Dual HS ADSL CPE Line Driver with Shutdown	14-TSSOP	4.59	3.68	2.86
THS6132VFP	296-13744-5-ND	High Efficiency Class-G ADSL Line Driver	32-HLQFP	8.30	6.64	5.61
THS6132VFPEVM	296-20570-ND	Eval. Module for THS6132VFP **NEW!**	—	126.84	—	—
THS6182D	296-14977-5-ND	LP Dissipation ADSL Line Driver	16-SOIC	5.60	4.48	3.78
THS6182DW	296-14978-5-ND	LP Dissipation ADSL Line Driver	20-SOIC	5.60	4.48	3.78
THS6182DWEVM	296-18856-ND	Evaluation Module for THS6182DW	—	126.84	—	—
THS6182RHFR	296-15338-1-ND	LP Dissipation ADSL Line Driver	24-QFN	5.60	4.48	3.78
THS6182RHFR	296-15338-2-ND	LP Dissipation ADSL Line Driver	24-QFN		10416.00/3,000	
THS6182RHFEVM	296-18857-ND	Evaluation Module for THS6182RHF	—	126.84	—	—
THS6184RHFT	296-17862-1-ND	Dual Port, Low Power Differential XDSL Line Driver Amp	24-QFN	7.86	6.31	5.32
THS6184RHFT	296-17862-2-ND	Dual Port, Low Power Differential XDSL Line Driver Amp	24-QFN		4925.00/1,000	
Ethernet						
DLKPC192SGNT	296-13858-ND	10Gbps Ethernet Lan Physical Coding Sublayer (PCS)	289-PBGA	161.60	150.83	140.05
TLK1002ARGET	296-19420-1-ND	Dual Signal Conditioning Transceiver	24-QFN	11.00	9.90	8.78
TLK1002ARGET	296-19420-2-ND	Dual Signal Conditioning Transceiver	24-QFN		2103.75/250	
TLK1201AIRCP	296-18299-ND	Gigabit Ethernet Transceiver	64-HVQFP	9.70	7.76	6.55
TLK1201ARCP	296-16797-ND	Gigabit Ethernet Transceiver	64-HVQFP	8.10	6.48	5.47
TLK1201IRCP	296-13362-ND	Gigabit Ethernet Transceiver	64-HVQFP	9.78	7.83	6.61
TLK1501IRCP	296-10484-ND	0.6-1.5Gbps Transceiver	64-HVQFP	13.99	12.60	11.18
TLK1521IPAP	296-15862-ND	0.5-1.3Gbps Serializer/ Deserializer	64-HTQFP	15.75	14.70	13.65
TLK2201AJRGQE	296-18904-1-ND	1.0-1.6Gbps Ethernet Transceiver	80-BGA	9.50	6.80	5.74
TLK2201AJRGQE	296-18904-2-ND	1.0-1.6Gbps Ethernet Transceiver	80-BGA		918.08/160	
TLK2201AJRQZE	296-19668-ND	1.0-1.6Gbps Ethernet Transcvr **NEW!**	80-BGA	8.50	6.80	5.74
TLK2201ARCP	296-15238-ND	1.0-1.6Gbps Ethernet Transceiver	64-HVQFP	8.10	6.48	5.47
TLK2201IRCP	296-18300-ND	1.0-1.6Gbps Ethernet Transceiver	64-HVQFP	9.30	7.44	6.28
TLK2201RCP	296-16728-ND	1.0-1.6Gbps Ethernet Transceiver	64-HVQFP	7.70	6.16	5.20
TLK2201RCP	296-10485-ND	1.0-1.6Gbps Ethernet Transceiver	64-HVQFP	9.78	7.83	6.61
TLK2201RJRGQE	296-10486-ND	1.0-1.6Gbps Ethernet Transceiver	80-BGA	8.16	6.53	5.51
TLK2201RCP	296-10487-ND	1.0-1.6Gbps Ethernet Transceiver	64-HVQFP	8.16	6.53	5.51
TLK2208AGPV	296-15328-5-ND	1.0-1.3Gbps 8-Port Gigabit Ethernet Transceiver	289-BGA	47.25	44.10	40.95
TLK2208BGPV	296-15724-ND	1.0-1.3Gbps 8-Port Gigabit Ethernet Transceiver	289-BGA	47.25	44.10	40.95
TLK2226GEA	296-19514-ND	6-Port Gigabit Ethernet Transceiver	196-BGA	29.48	27.51	25.55
TLK2501IRCP	296-10488-ND	1.6-2.5Gbps Transceiver	64-HVQFP	18.90	17.64	16.38
TLK2521IPAP	296-15315-ND	1.0-2.5Gbps Transceiver	64-HTQFP	18.90	17.64	16.38
TLK2701IRCP	296-10489-ND	1.6-2.7Gbps Transceiver	64-HVQFP	18.90	17.64	16.38
TLK2711IRCP	296-12215-ND	1.6-2.7Gbps Transceiver	64-HVQFP	18.90	17.64	16.38
TLK2711IJRGQE	296-12216-ND	1.6-2.7Gbps Transceiver	80-BGA	18.90	17.64	16.38
TLK2711JRZQE	296-19633-ND	1.6-2.7Gbps Transceiver **NEW!**	80-BGA	15.75	14.70	13.65
TLK3101IRCP	296-10490-ND	2.5-3.125Gbps Transceiver	64-HVQFP	25.28	23.59	21.91
TLK3104SAGNT	296-12040-5-ND	10Gbps Ethernet Backplane Xcvr	289-PBGA	103.95	97.02	90.09
TLK3104SCGNT	296-13704-ND	3.125Gbps Quad Serial Backplane Transceiver	289-PBGA	189.00	176.40	163.80
TLK3114SAGNT	296-12747-ND	Quad High Speed Serial Transceiver	289-PBGA	103.95	97.02	90.09
TLK3114SCGNT	296-15738-ND	Quad High Speed Serial Transceiver	289-PBGA	86.63	80.85	75.08
TLK4015IGPV	296-14198-5-ND	0.6-1.5Gbps Quad Transceiver	289-PBGA	44.10	41.16	38.22
TLK4120IGPV	296-16729-ND	0.5-1.3Gbps Quad Transceiver	289-PBGA	36.00	33.60	31.20
TLK4201AERGTT	296-19785-1-ND	4.25Gbps Cable and PC Board Equalizer **NEW!**	16-QFN	9.90	7.92	6.69
TLK4201AERGTT	296-19785-2-ND	4.25Gbps Cable and PC Board Equalizer **NEW!**	16-QFN		1608.75/250	
TLK4211AERGTT	296-19286-1-ND	4.25Gbps Cable and PC Board Equalizer	16-QFN	9.08	8.18	7.25
TLK4211AERGTT	296-19286-2-ND	4.25Gbps Cable and PC Board Equalizer	16-QFN		1737.25/250	
TLK4250IGPV	296-17047-ND	1.0 to 2.5Gbps Quad Transceiver	289-BGA	128.00	96.00	72.00
TLK4250IZPV	296-20656-ND	1.0 to 2.5Gbps Quad Transceiver **NEW!**	289-PBGA	48.00	44.80	41.60
TLK10021GWQ	296-18660-ND	XAUI to XFI Transceiver	144-BGA	83.37	77.82	72.26
TLK10021ZWQ	296-18661-ND	XAUI to XFI Transceiver	144-BGA	83.37	77.82	72.26
TNETE2201BPHD	296-10772-ND	1.25Gbps Ethernet Transceiver	64-HTQFP	9.50	7.60	6.42
TNETE2201BPJD	296-10773-ND	1.25Gbps Ethernet Transceiver	64-HTQFP	9.50	7.60	6.42
TNETE2201BPJW	296-14388-ND	1.25Gbps Ethernet Transceiver	64-HTQFP	9.50	7.60	6.42
TPS2371D	296-15960-5-ND	Power Interface Switch for PoE	8-SOIC	3.83	3.06	2.38
TPS2371PW	296-15961-5-ND	Power Interface Switch for PoE	8-TSSOP	3.83	3.06	2.38
TPS2384PAP	296-17831-ND	Quad Integrated Power Sourcing Equipment Power Manager	64-HTQFP	7.80	6.24	5.27
LCD						
BUF07702PWPR	296-15354-1-ND	Multi-Channel LCD Gamma Correction Buffer	20-HTSSOP	2.59	2.07	1.61
BUF07702PWPR	296-15354-2-ND	Multi-Channel LCD Gamma Correction Buffer	20-HTSSOP		2932.00/2,000	
BUF07703PWP	296-14632-5-ND	Multi-Channel LCD Gamma Correction Buffer	20-HTSSOP	2.48	1.98	1.54
BUF07704AIPWP	296-17357-ND	18V, 6-Channel, Gamma Correction Buffer	20-HTSSOP	2.59	2.07	1.61
BUF11705AIPWPR	296-19399-1-ND	22V Supply, 10+1 Channel Gamma Correction Buffer	28-TSSOP	3.94	3.15	2.45
BUF11705AIPWPR	296-19399-2-ND	22V Supply, 10+1 Channel Gamma Correction Buffer	28-TSSOP		4462.00/2,000	
BUF16820AIDAPR	296-19538-1-ND	14-Ch. Gamma Voltage Generator	32-HTSSOP	5.10	4.08	3.45
BUF16820AIDAPR	296-19538-2-ND	14-Ch. Gamma Voltage Generator	32-HTSSOP		6376.00/2,000	
BUF20820AIDCPR	296-19400-1-ND	18-Channel Gamma Voltage Generator	38-HTSSOP	6.50	5.20	4.39
BUF20820AIDCPR	296-19400-2-ND	18-Channel Gamma Voltage Generator	38-HTSSOP		8126.00/2,000	
TFP101APZP	296-9987-ND	86MHz PanelBus DVI Receiver, with HSYNC Jitter Immunity	100-HTQFP	6.00	4.80	4.05
TFP101PZP	296-9988-ND	86MHz PanelBus DVI Receiver	100-HTQFP	6.00	4.80	4.05
TFP201APZP	296-9989-ND	112MHz PanelBus DVI Receiver, with HSYNC Jitter Immunity	100-HTQFP	7.00	5.60	4.73
TFP201PZP	296-9990-ND	112MHz PanelBus DVI Receiver	100-HTQFP	7.00	5.60	4.73
TFP401APZP	296-9991-ND	165MHz PanelBus DVI Receiver, with HSYNC Jitter Immunity	100-HTQFP	8.00	6.40	5.40
TFP401PZP	296-9992-ND	165MHz PanelBus DVI Receiver	100-HTQFP	8.00	6.40	5.40
TFP403PZP	296-9993-ND	165MHz PanelBus DVI Receiver	100-HTQFP	9.08	8.18	7.25
TFP410PAP	296-12666-ND	PanelBus Digital Transmitter	64-HTQFP	6.00	4.80	4.05
LV						
SN65LV1021DB	296-12856-5-ND	10:1 LVDS Serializer	28-SSOP	8.36	6.69	5.85
SN65LV1023ADB	296-15176-5-ND	10:1 LVDS Serializer	28-SSOP	8.74	7.00	5.90
SN65LV1023ARHBR	296-19317-1-ND	10:1 LVDS Serializer	32-QFN	8.74	7.00	5.90
SN65LV1023ARHBR	296-19317-2-ND	10:1 LVDS Serializer	32-QFN		16257.00/3,000	
SN65LV1023DB	296-12857-5-ND	10:1 LVDS Serializer	28-SSOP	9.28	8.36	7.41
SN65LV1212DB	296-15383-5-ND	10:1 LVDS Deserializer	28-SSOP	8.84	7.08	5.97
SN65LV1224BDB	296-17327-5-ND	10:1 LVDS Deserializer	28-SSOP	8.74	7.00	5.90
SN65LV1224BRHBT	296-19318-1-ND	10:1 LVDS Deserializer	32-QFN	9.70	7.76	6.55
SN65LV1224BRHBT	296-19318-2-ND	10:1 LVDS Deserializer	32-QFN		1576.25/250	
LVCP						
SN65LVCP22D	296-15190-5-ND	LVDS Crosspoint Switch	16-SOIC	5.14	4.12	3.47
SN65LVCP22PW	296-15191-5-ND	LVDS Crosspoint Switch	16-TSSOP	5.14	4.12	3.47
SN65LVCP22-23EVM	296-16522-ND	Evaluation Module for SN65LVCP22-23	—	62.78	—	—
SN65LVCP23D	296-15192-5-ND	LVPECL Crosspoint Switch	16-SOIC	9.88	7.91	6.67
SN65LVCP23PW	296-15193-5-ND	LVPECL Crosspoint Switch	16-TSSOP	9.88	7.91	6.67
SN65LVCP40RGZ	296-17506-ND	DC to 4GBPS Dual 1:2 Mux/Repeater/Equalizer	48-QFN	26.10	24.36	22.62
LVDM						
SN65LVDM050D	296-1416-5-ND	Dual Differential Line Driver/Receiver	16-SOIC	4.16	3.33	2.59
SN65LVDM050PW	296-12020-5-ND	HS Differential Line Driver/Receiver	16-TSSOP	4.16	3.33	2.59
SN65LVDM050QDQ1	296-15385-5-ND	HS Differential Line Driver/Receiver	16-SOIC	4.34	3.48	2.71
SN65LVDM050QDRQ1	296-15386-1-ND	HS Differential Line Driver/Receiver	16-SOIC	4.34	3.48	2.71
SN65LVDM050QDRQ1	296-15386-2-ND	HS Differential Line Driver/Receiver	16-SOIC		6080.00/2,500	
SN65LVDM051D	296-1417-5-ND	Dual Differential Line Driver/Receiver	16-SOIC	4.16	3.33	2.59
SN65LVDM051PW	296-12021-5-ND	HS Differential Line Driver/Receiver	16-TSSOP	4.16	3.33	2.59
SN65LVDM051QDQ1	296-15387-5-ND	HS Differential Line Driver/Receiver	16-SOIC	4.34	3.48	2.71
SN65LVDM051QDRQ1	296-15388-1-ND	HS Differential Line Driver/Receiver	16-SOIC	4.34	3.48	2.71
SN65LVDM051QDRQ1	296-15388-2-ND	HS Differential Line Driver/Receiver	16-SOIC		6080.00/2,500	
SN65LVDM22D	296-1421-5-ND	Dual Mux LVDS Repeater	16-SOIC	4.73	3.78	2.94
SN65LVDM22PW	296-12023-5-ND	Dual Mux LVDS Repeater	16-TSSOP	4.73	3.78	2.94
SN65LVDM31D	296-9905-5-ND	HS Differential Line Driver	16-SOIC	2.93	2.34	1.82
SN65LVDM31-32BEVM	296-9736-ND	Evaluation Module for SN65LVDM31 and LVDS32B	—	62.78	—	—
SN65LVDM176D	296-1418-5-ND	HS Differential Line Transceiver	8-SOIC	3.22	2.58	2.01
SN65LVDM176DGK	296-6903-5-ND	HS Differential Multipoint Transceiver	8-MSOP	3.22	2.58	2.01
SN65LVDM179D	296-1419-5-ND	HS Differential Line Driver/Receiver	8-SOIC	3.22	2.58	2.01
SN65LVDM179DGK	296-6904-5-ND	HS Differential Line Driver/Receiver	8-MSOP	3.22	2.58	2.01
SN65LVDM180D	296-1420-5-ND	HS Differential Line Driver/Receiver	14-SOIC	3.22	2.58	2.01
SN65LVDM180PW	296-12022-5-ND	HS Differential Line Driver/Receiver	14-TSSOP	3.22	2.58	2.01
SN65LVDM320DGG	296-13125-5-ND	8-Bit, HS Differential Registered Transceiver	64-TSSOP	12.74	11.48	10.18
SN75LVDM976DGG	296-1760-5-ND	9-Channel Dual-Mode Transceiver	56-TSSOP	14.66	13.20	11.71
SN75LVDM976DL	296-6934-5-ND	9-Channel Dual-Mode Transceiver	56-SOP	14.66	13.20	11.71
SN75LVDM977DGG	296-2365-5-ND	9-Channel Dual-Mode Transceiver	56-TSSOP	14.66	13.20	11.71
SN75LVDM977DL	296-6935-5-ND	9-Channel Dual-Mode Transceiver	56-SSOP	14.66	13.20	11.71
SN65LVDM1676DGG	296-9734-5-ND	16-Channel Transceiver	64-TSSOP	10.85	9.77	8.66
SN65LVDM1677DGG	296-9735-5-ND	16-Channel Transceiver	64-TSSOP	11.26	10.14	9.00
LVDS						
SN65CML100D	296-13870-5-ND	1.5-Gbps LVDS Translator/Repeater	8-SOIC	5.45	4.36	3.39
SN65CML100DGK	296-13871-5-ND	1.5-Gbps LVDS Translator/Repeater	8-MSOP	5.45	4.36	3.39
SN65CML100EVM	296-20537-ND	Eval. Module for SN65CML100DGK **NEW!**	—	126.84	—	—
SN65LVDS047D	296-6909-5-ND	LVDS Quad Differential Line Driver	16-SOIC	2.45	1.97	1.53
SN65LVDS047PW	296-6910-5-ND	LVDS Quad Differential Line Driver	16-TSSOP	2.45	1.97	1.53
SN65LVDS048AD	296-6911-5-ND	Quad High Speed Diff. Line Receiver	16-SOIC	2.45	1.97	1.53
SN65LVDS048APW	296-6912-5-ND	Quad High Speed Diff. Line Driver	16-TSSOP	2.45	1.97	1.53
SN65LVDS049PW	296-15341-5-ND	Dual LVDS Diff. Driver/Receiver	16-TSSOP	2.10	1.68	1.26
SN65LVDS050D	296-1422-5-ND	HS Differential Line Driver/Receiver	16-SOIC	3.78	3.03	2.36
SN65LVDS050PW	296-12051-5-ND	HS Differential Line Driver/Receiver	16-TSSOP	3.78	3.03	2.36
SN65LVDS051D	296-1423-5-ND	HS Differential Line Driver/Receiver	16-SOIC	3.78	3.03	2.36
SN65LVDS051PW	296-12052-5-ND	HS Differential Line Driver/Receiver	16-TSSOP	3.78	3.03	2.36
SN65LVDS051PWRQ1	296-16948-1-ND	HS Differential Line Driver/Receiver	16-TSSOP	3.87	3.10	2.41
SN65LVDS051PWRQ1	296-16948-2-ND	HS Differential Line Driver/Receiver	16-TSSOP		4386.00/2,000	
SN65LVDS1D	296-12138-5-ND	High Speed Differential Line Driver	8-SOIC	1.17	.98	.78
SN65LVDS1DBVR	296-6919-1-ND	High Speed Differential Line Driver	SOT-23-5	1.17	.98	.78
SN65LVDS1DBVR	296-6919-2-ND	High Speed Differential Line Driver	SOT-23-5		1521.00/3,000	
SN65LVDS2D	296-12139-5-ND	High Speed Differential Line Receiver	8-SOIC	1.48	1.18	.89
SN65LVDS2DBVR	296-6920-1-ND	High Speed Differential Line Receiver	SOT-23-5	1.17	.98	.78
SN65LVDS2DBVR	296-6920-2-ND	High Speed Differential Line Receiver	SOT-23-5		1521.00/3,000	
SN65LVDS16DRFT	296-17441-1-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON	5.70	4.56	3.85
SN65LVDS16DRFT	296-17441-2-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON		926.25/250	
SN65LVDS16EVM	296-17857-ND	Evaluation Module for SN65LVDS16	—	62.78	—	—
SN65LVDS17DRFT	296-17442-1-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON	5.70	4.56	3.85
SN65LVDS17DRFT	296-17442-2-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON		926.25/250	
SN65LVDS18DRFT	296-17443-1-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON	4.84	3.87	3.01
SN65LVDS18DRFT	296-17443-2-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON		715.00/250	
SN65LVDS19DRFT	296-17444-1-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON	4.84	3.87	3.01
SN65LVDS19DRFT	296-17444-2-ND	2.5V/3.3V Oscillator Gain Stage/Buffer	9-SON		715.00/250	
SN65LVDS20DRFT	296-17176-1-ND	LVDS Repeater/Translator	8-SON	7.30	5.84	4.93
SN65LVDS20DRFT	296-17176-2-ND	LVDS Repeater/Translator	8-SON		1186.25/250	
SN65LVDS22D	296-1426-5-ND	Dual Mux LVDS Repeater	16-SOIC	5.29	4.23	3.29
SN65LVDS22PW	296-12024-5-ND	Dual Mux LVDS Repeater	16-TSSOP	5.29	4.23	3.29
SN65LVDS31-32BEVM	296-9740-ND	Evaluation Module for SN65LVDS31 and LVDS32B	—	62.78	—	—
SN65LVDS31-32EVM	296-9741-ND	Evaluation Module for SN65LVDS31 and LVDS32	—	62.78	—	—
SN65LVDS31-33EVM	296-13817-ND	Evaluation Module for SN65LVDS31 and LVDS33 **NEW!**	—	62.78	—	—
SN65LVDS31D	296-6922-5-ND	Quad High Speed Differential Driver	16-SOIC	2.84	2.27	1.77
SN65LVDS31NS	296-2350-5-ND	Quad High Speed Differential Driver	16-SOP	2.84	2.27	1.77
SN65LVDS31PW	296-12329-5-ND	Quad High Speed Differential Driver	16-TSSOP	2.84	2.27	1.77
SN65LVDS32BDR	296-6923-1-ND	Quad High Speed Diff. Line Driver	16-SOIC	4.73	3.78	2.94
SN65LVDS32BDR	296-6923-2-ND	Quad High Speed Diff. Line Driver	16-SOIC		6615.00/2,500	
SN65LVDS32D	296-6924-5-ND	Quad High Speed Diff. Line Driver	16-SOIC	2.84	2.27	1.77

(Continued)

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RS422 / RS423 / RS485						
AM26C31CD	296-6781-5-ND	Quad Differential Line Driver	16-SOIC	1.20	1.00	.80
AM26C31CDBR	296-6782-1-ND	Quad Differential Line Driver	16-SSOP	.90	.75	.60
AM26C31CDBR	296-6782-2-ND	Quad Differential Line Driver	16-SSOP		798.00/2,000	
AM26C31CN	296-6783-5-ND	Quad Differential Line Driver	16-Dip	1.20	1.00	.80
AM26C31ID	296-6784-5-ND	Quad Differential Line Driver	16-SOIC	1.35	1.13	.90
AM26C31IN	296-6785-5-ND	Quad Differential Line Driver	16-Dip	1.35	1.13	.90
AM26C32CD	296-13867-5-ND	Quad Differential Line Receiver	16-SOIC	2.95	2.36	1.84
AM26C32CD	296-6786-5-ND	Quad Differential Line Receiver	16-SOIC	1.20	1.00	.80
AM26C32CN	296-6787-5-ND	Quad Differential Line Receiver	16-Dip	1.20	1.00	.80
AM26C32ID	296-6788-5-ND	Quad Differential Line Receiver	16-SOIC	1.35	1.13	.90
AM26C32IDR	296-14471-1-ND	Quad Differential Line Receiver	16-SOIC	1.35	1.13	.90
AM26C32IDR	296-14471-2-ND	Quad Differential Line Receiver	16-SOIC		1462.50/2,500	
AM26C32IN	296-6789-5-ND	Quad Differential Line Receiver	16-Dip	1.35	1.13	.90
AM26C32QD	296-13868-5-ND	Quad Differential Line Receiver	16-SOIC	2.95	2.36	1.84
AM26LS31CD	296-1010-5-ND	Quad Differential Line Driver	16-SOIC	.75	.63	.50
AM26LS31CDR	296-1010-2-ND	Quad Differential Line Driver	16-SOIC		812.50/2,500	
AM26LS31CN	296-1374-5-ND	Quad Differential Line Driver	16-Dip	.75	.63	.50
AM26LS32ACD	296-1011-5-ND	Quad Differential Line Receiver	16-SOIC	.75	.63	.50
AM26LS32ACDR	296-1011-1-ND	Quad Differential Line Receiver	16-SOIC	.75	.63	.50
AM26LS32ACDR	296-1011-2-ND	Quad Differential Line Receiver	16-SOIC		812.50/2,500	
AM26LS32ACN	296-1376-5-ND	Quad Differential Line Receiver	16-Dip	.75	.63	.50
AM26LS32ACNSR	296-6790-1-ND	Quad Differential Line Receiver	16-SOP	.75	.63	.50
AM26LS32ACNSR	296-6790-2-ND	Quad Differential Line Receiver	16-SOP		666.00/2,000	
AM26LS32AIDR	296-13065-1-ND	Quad Differential Line Receiver	16-SOIC	.80	.60	.45
AM26LS32AIDR	296-13065-2-ND	Quad Differential Line Receiver	16-SOIC		650.00/2,500	
AM26LS32AIN	296-13066-5-ND	Quad Differential Line Receiver	16-Dip	.80	.60	.45
AM26LS33ACD	296-6791-5-ND	Quad Differential Line Receiver	16-SOIC	.80	.60	.45
AM26LS33ACDR	296-14473-1-ND	Quad Differential Line Receiver	16-SOIC	.80	.60	.45
AM26LS33ACDR	296-14473-2-ND	Quad Differential Line Receiver	16-SOIC		650.00/2,500	
AM26LS33ACN	296-6792-5-ND	Quad Differential Line Receiver	16-Dip	.80	.60	.45
AM26LV31CD	296-6793-5-ND	Quad Differential Line Driver	16-SOIC	.90	.75	.60
AM26LV31IDR	296-18088-1-ND	Quad Differential Line Driver	16-SOIC	1.20	1.00	.80
AM26LV31IDR	296-18088-2-ND	Quad Differential Line Driver	16-SOIC		1300.00/2,500	
AM26LV31INSR	296-18089-1-ND	Quad Differential Line Driver	16-SOIC	1.32	1.10	.88
AM26LV31INSR	296-18089-2-ND	Quad Differential Line Driver	16-SOIC		1170.00/2,000	
AM26LV32CD	296-6794-5-ND	Quad Differential Line Receiver	16-SOIC	.90	.75	.60
AM26LV32CDR	296-6795-5-ND	Quad Differential Line Receiver	16-SOIC	.90	.75	.60
AM26LV32CNSR	296-6796-1-ND	Quad Differential Line Receiver	16-SOP	.90	.75	.60
AM26LV32CNSR	296-6796-2-ND	Quad Differential Line Receiver	16-SOP		798.00/2,000	
AM26LV32IDR	296-18090-5-ND	Quad Differential Line Receiver	16-SOIC	1.20	1.00	.80
AM26LV32INSR	296-18091-1-ND	Quad Differential Line Receiver	16-SOP	1.20	1.00	.80
AM26LV32INSR	296-18091-2-ND	Quad Differential Line Receiver	16-SOP		1064.00/2,000	
AM26S10CD	296-6797-5-ND	Quad Bus Transceiver	16-SOIC	1.20	1.00	.80
AM26S10CN	296-6798-5-ND	Quad Bus Transceiver	16-Dip	1.32	1.10	.88
MC6LV32QDR	296-6794-2-ND	Quad Differential Line Receiver	16-SOP		975.00/2,500	
MC3486D	296-7037-5-ND	Tri-State Quad Diff. Line Receiver	16-SOIC	.75	.63	.50
MC3486DR	296-14624-1-ND	Tri-State Quad Diff. Line Receiver	16-SOIC	.75	.63	.50
MC3486DR	296-14624-2-ND	Tri-State Quad Diff. Line Receiver	16-SOIC		812.50/2,500	
MC3486N	296-7038-5-ND	Tri-State Quad Diff. Line Receiver	16-Dip	.75	.63	.50
MC3487DR	296-14625-1-ND	Quad Differential Line Driver	16-SOIC	.75	.63	.50
MC3487DR	296-14625-2-ND	Quad Differential Line Driver	16-SOIC		812.50/2,500	
MC3487N	296-1408-5-ND	Quad Differential Line Driver	16-Dip	.75	.63	.50
SN65176BDR	296-14636-1-ND	Differential Bus Transceiver	8-SOIC	.88	.66	.50
SN65C1167NSR	296-9699-1-ND	Dual Differential Driver/Receiver	16-SOP	2.93	2.34	1.82
SN65C1167NSR	296-9699-2-ND	Dual Differential Driver/Receiver	16-SOP		3316.00/2,000	
SN65C1168PWR	296-14348-1-ND	Dual Differential Driver/Receiver	16-TSSOP	1.88	1.50	1.13
SN65C1168PWR	296-14348-2-ND	Dual Differential Driver/Receiver	16-TSSOP		1950.00/2,000	
SN65HVD05D	296-12988-5-ND	High Output RS-485 Transceiver	8-SOIC	3.42	2.74	2.13
SN65HVD05P	296-15215-5-ND	High Output RS-485 Transceiver	8-Dip	3.42	2.74	2.13
SN65HVD06D	296-12989-5-ND	High Output RS-485 Transceiver	8-SOIC	3.22	2.58	2.06
SN65HVD06P	296-15035-5-ND	High Output RS-485 Transceiver	8-Dip	3.31	2.65	2.06
SN65HVD07D	296-12990-5-ND	High Output RS-485 Transceiver	8-SOIC	3.22	2.58	2.01
SN65HVD07P	296-19415-5-ND	High Output RS-485 Transceiver	8-Dip	3.22	2.58	2.01
SN65HVD08D	296-14010-5-ND	Wide Supply Range RS-485 Transcvr	8-SOIC	4.28	3.42	2.66
SN65HVD08P	296-14011-5-ND	Wide Supply Range RS-485 Transceiver	8-Dip	4.28	3.42	2.66
SN65HVD10D	296-12645-5-ND	3.3V RS-485 Transceiver	8-SOIC	3.96	3.17	2.47
SN65HVD10DD	296-14012-5-ND	3.3V RS-485 Transceiver	8-SOIC	5.13	4.11	3.20
SN65HVD11D	296-12646-5-ND	3.3V RS-485 Transceiver	8-SOIC	3.85	3.08	2.40
SN65HVD11P	296-18521-5-ND	3.3V RS-485 Transceiver	8-Dip	3.85	3.08	2.40
SN65HVD11QD	296-14013-5-ND	3.3V RS-485 Transceiver	8-SOIC	4.93	3.95	3.07
SN65HVD12D	296-12647-5-ND	3.3V RS-485 Transceiver	8-SOIC	3.74	2.99	2.33
SN65HVD12IDREP	296-18121-1-ND	3.3V RS-485 Transceiver	8-SOIC	8.30	6.64	5.61
SN65HVD12IDREP	296-18121-2-ND	3.3V RS-485 Transceiver	8-SOIC		12865.00/2,500	
SN65HVD12P	296-13862-5-ND	3.3V RS-485 Transceiver	8-Dip	3.74	2.99	2.33
SN65HVD20D	296-14184-5-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	3.71	2.97	2.31
SN65HVD21D	296-14185-5-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	3.71	2.97	2.31
SN65HVD21MDREP	296-19496-1-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	8.24	6.60	5.57
SN65HVD21MDREP	296-19496-2-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC		12772.50/2,500	
SN65HVD21P	296-15096-5-ND	Extended Common-Mode RS-485 Transceiver	8-Dip	3.71	2.97	2.31
SN65HVD22D	296-14186-5-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	3.71	2.97	2.31
SN65HVD22EVM	296-20538-ND	Eval. Module for SN65HVD2X Family **NEW!**	—	62.78	58.59	54.41
SN65HVD22P	296-15097-5-ND	Extended Common-Mode RS-485 Transceiver	8-Dip	3.71	2.97	2.31
SN65HVD23D	296-15230-5-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	4.05	3.24	2.52
SN65HVD23P	296-15231-5-ND	Extended Common-Mode RS-485 Transceiver	8-Dip	4.05	3.24	2.52
SN65HVD24D	296-15232-5-ND	Extended Common-Mode RS-485 Transceiver	8-SOIC	4.05	3.24	2.52
SN65HVD24P	296-15233-5-ND	Extended Common-Mode RS-485 Transceiver	8-Dip	4.05	3.24	2.52
SN65HVD30DR	296-19625-1-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.85	3.08	2.40
SN65HVD30DR	296-19625-2-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5387.50/2,500	
SN65HVD31DR	296-19626-1-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.85	3.08	2.40

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN65HVD31DR	296-19626-2-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5387.50/2,500	
SN65HVD32DR	296-19627-1-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.85	3.08	2.40
SN65HVD32DR	296-19627-2-ND	3.3V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5387.50/2,500	
SN65HVD33DR	296-18704-1-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC	4.16	3.33	2.59
SN65HVD33DR	296-18704-2-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC		5827.50/2,500	
SN65HVD34DR	296-18705-1-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC	4.16	3.33	2.59
SN65HVD34DR	296-18705-2-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC		5827.50/2,500	
SN65HVD35DR	296-18706-1-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC	4.16	3.33	2.59
SN65HVD35DR	296-18706-2-ND	3.3V Full-Duplex RS-485 Transceiver	14-SOIC		5827.50/2,500	
SN65HVD50DR	296-19629-1-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.65	2.92	2.27
SN65HVD50DR	296-19629-2-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5102.50/2,500	
SN65HVD51DR	296-19630-1-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.65	2.92	2.27
SN65HVD51DR	296-19630-2-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5102.50/2,500	
SN65HVD52DR	296-19631-1-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC	3.65	2.92	2.27
SN65HVD52DR	296-19631-2-ND	5V Full-Duplex RS-485 Driver and Receiver **NEW!**	8-SOIC		5102.50/2,500	
SN65HVD53DR	296-18707-1-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC	3.94	3.15	2.45
SN65HVD53DR	296-18707-2-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC		5512.50/2,500	
SN65HVD54DR	296-18708-1-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC	3.94	3.15	2.45
SN65HVD54DR	296-18708-2-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC		5512.50/2,500	
SN65HVD55DR	296-18709-1-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC	3.94	3.15	2.45
SN65HVD55DR	296-18709-2-ND	High Output Full-Duplex RS-485 Transceiver	14-SOIC		5512.50/2,500	
SN65HVD179DR	296-19624-1-ND	5V Full-Duplex RS-485/RS-422 Driver and Balanced Receiver **NEW!**	8-SOIC	3.96	3.17	2.47
SN65HVD179DR	296-19624-2-ND	5V Full-Duplex RS-485/RS-422 Driver and Balanced Receiver **NEW!**	8-SOIC		5545.00/2,500	
SN65HVD230DR	296-11654-1-ND	3.3V CAN Transcvr w/Standby Mode	8-SOIC	3.04	2.43	1.89
SN65HVD230DR	296-11654-2-ND	3.3V CAN Transcvr w/Standby Mode	8-SOIC		4252.50/2,500	
SN65HVD230QD	296-13123-5-ND	3.3V CAN Transcvr w/Standby Mode	8-SOIC	3.49	2.79	2.17
SN65HVD231D	296-12206-5-ND	3.3V CAN Transcvr with Sleep Mode	8-SOIC	3.04	2.43	1.89
SN65HVD231QD	296-12704-5-ND	3.3V CAN Transcvr with Sleep Mode	8-SOIC	3.49	2.79	2.17
SN65HVD231QDRQ1	296-15380-1-ND	3.3V CAN Transcvr with Sleep Mode	8-SOIC	3.60	2.88	2.24
SN65HVD231QDRQ1	296-15380-2-ND	3.3V CAN Transcvr with Sleep Mode	8-SOIC		5040.00/2,500	
SN65HVD232D	296-12205-5-ND	3.3V CAN Transceiver	8-SOIC	2.91	2.32	1.82
SN65HVD232QD	296-12705-5-ND	3.3V CAN Transceiver Q100 Qualified	8-SOIC	3.38	2.70	2.10
SN65HVD232QDRQ1	296-15381-1-ND	3.3V CAN Transceiver Q100 Qualified	8-SOIC	3.38	2.70	2.10
SN65HVD232QDRQ1	296-15381-2-ND	3.3V CAN Transceiver Q100 Qualified	8-SOIC		4725.00/2,500	
SN65HVD233D	296-14639-5-ND	3.3V CAN Transceiver	8-SOIC	3.38	2.70	2.10
SN65HVD234D	296-15228-5-ND	3.3V CAN Transceiver	8-SOIC	3.26	2.61	2.03
SN65HVD235D	296-15229-5-ND	3.3V CAN Transceiver	8-SOIC	3.38	2.70	2.10
SN65HVD251D	296-13816-5-ND	CAN Transceiver	8-SOIC	2.15	1.72	1.29
SN65HVD251P	296-19281-5-ND	CAN Transceiver	8-Dip	2.15	1.72	1.29
SN65HVD379DR	296-19628-1-ND	3.3V Full-Duplex RS-485/RS-422 Driver and Balanced Receiver **NEW!**	8-SOIC	4.16	3.33	2.59
SN65HVD379DR	296-19628-2-ND	3.3V Full-Duplex RS-485/RS-422 Driver and Balanced Receiver **NEW!**	8-SOIC		5827.50/2,500	
SN65HVD485EDGKR	296-17174-1-ND	Half-Duplex RS-485 Transceiver	8-MSOP	2.38	1.90	1.43
SN65HVD485EDGKR	296-17174-2-ND	Half-Duplex RS-485 Transceiver	8-MSOP		3040.00/2,500	
SN65HVD485ED	296-17175-1-ND	Half-Duplex RS-485 Transceiver	8-SOIC	1.68	1.34	1.01
SN65HVD485EDR	296-17175-2-ND	Half-Duplex RS-485 Transceiver	8-SOIC		2145.00/2,500	
SN65HVD485EP	296-17498-5-ND	Half-Duplex RS-485 Transceiver	8-Dip	1.68	1.34	1.01
SN65HVD1050D	296-19416-5-ND	EMC Optimized CAN Transceiver	8-SOIC	1.30	1.04	.78
SN65HVD1050QDRQ1	296-19876-1-ND	EMC Optimized CAN Transcvr **NEW!**	8-SOIC	1.55	1.24	.93
SN65HVD1050QDRQ1	296-19876-2-ND	EMC Optimized CAN Transcvr **NEW!**	8-SOIC		1985.00/2,500	
SN65HVD1176D	296-15345-5-ND	Profibus RS-485 Transceiver	8-SOIC	3.31	2.65	2.06
SN65HVD3082ED	296-14645-5-ND	Low Power RS-485 Transceiver	8-SOIC	2.15	1.72	1.29
SN65HVD3082EDGK	296-17929-ND	Low Power RS-485 Transceiver	8-MSOP	2.57	2.06	1.60
SN65HVD3082EP	296-15382-5-ND	Low Power RS-485 Transceiver	8-Dip	2.15	1.72	1.29
SN65HVD3085ED	296-17170-5-ND	Low Power RS-485 Transceiver	8-SOIC	2.15	1.72	1.29
SN65HVD3085EDGK	296-17171-5-ND	Low Power RS-485 Transceiver	8-MSOP	2.57	2.06	1.60
SN65HVD3088ED	296-17172-5-ND	Low Power RS-485 Transceiver	8-SOIC	2.38	1.90	1.43
SN65HVD3088EDGK	296-17173-5-ND	Low Power RS-485 Transceiver	8-MSOP	2.79	2.24	1.74
SN65LBC031D	296-9700-5-ND	High Speed CAN Transceiver	8-SOIC	3.38	2.70	2.10
SN65LBC031DR	296-9701-5-ND	High Speed CAN Transceiver	8-SOIC	3.94	3.15	2.45
SN65LBC031QDR	296-9701-1-ND	High Speed CAN Transceiver	8-SOIC	3.94	3.15	2.45
SN65LBC031QDR	296-9701-2-ND	High Speed CAN Transceiver	8-SOIC		5512.50/2,500	
SN65LBC170DB	296-9702-5-ND	Triple Differential Transceiver	16-SSOP	6.88	5.51	4.65
SN65LBC170DW	296-9703-5-ND	Triple Differential Transceiver	20-SOIC	6.88	5.51	4.65
SN65LBC171DB	296-9704-5-ND	Triple Differential Transceiver	16-SSOP	6.88	5.51	4.65
SN65LBC171DW	296-9705-5-ND	Triple Differential Transceiver	20-SOIC	6.88	5.51	4.65
SN65LBC174A16DW	296-15174-5-ND	Quad LP Differential Line Driver	16-SOIC	4.55	3.64	2.83
SN65LBC172ADW	296-9706-5-ND	Quad LP Differential Line Driver	20-SOIC	4.55	3.64	2.83
SN65LBC172AN	296-12283-5-ND	Quad LP Differential Line Driver	16-Dip	4.55	3.64	2.83
SN65LBC172DW	296-9707-5-ND	Quad LP Differential Line Driver	20-SOIC	3.40	2.72	2.12
SN65LBC172N	296-9708-5-ND	Quad LP Differential Line Driver	16-Dip	3.40	2.72	2.12
SN65LBC173AD	296-9709-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.84	2.27	1.77
SN65LBC173AN	296-9710-5-ND	Quad LP Differential Line Receiver	16-Dip	2.84	2.27	1.77
SN65LBC173D	296-9711-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.43	1.94	1.46
SN65LBC173N	296-9712-5-ND	Quad LP Differential Line Receiver	16-Dip	2.43	1.94	1.46
SN65LBC174A16DW	296-15175-5-ND	Quad LP Differential Line Driver	16-SOIC	4.73	3.78	2.94
SN65LBC174ADW	296-9713-5-ND	Quad LP Differential Line Driver	20-SOIC	4.73	3.78	2.94
SN65LBC174AN	296-12284-5-ND	Quad LP Differential Line Driver	16-Dip	4.73	3.78	2.94
SN65LBC174DW	296-9714-5-ND	Quad LP Differential Line Driver	20-SOIC	3.60	2.88	2.24
SN65LBC174N	296-9715-5-ND	Quad LP Differential Line Driver	16-Dip	3.60	2.88	2.24
SN65LBC175AD	296-9716-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.66	2.13	1.66
SN65LBC175AN	296-13124-5-ND	Quad RS-485 Diff. Line Receiver	16-Dip	2.66	2.13	1.66
SN65LBC175D	296-9717-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.30	1.84	1.38
SN65LBC175DW	296-12460-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.30	1.84	1.38
SN65LBC175N	296-9718-5-ND	Quad LP Differential Line Receiver	16-Dip	2.30	1.84	1.38
SN65LBC176AD	296-9719-5-ND	Quad LP Differential Bus Transceiver	8-SOIC	2.27	1.82	1.42
SN65LBC176AP	296-9720-5-ND	Quad LP Differential Bus Transceiver	8-Dip	2.27	1.82	1.42

(Continued)

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SN65LBC176D	296-9722-5-ND	Quad LP Differential Bus Transceiver	8-SOIC	1.90	1.52	1.14
SN65LBC176P	296-9723-5-ND	Quad LP Differential Bus Transceiver	8-Dip	1.90	1.52	1.14
SN65LBC176QD	296-9724-5-ND	Quad LP Differential Bus Transceiver	8-SOIC	2.00	1.60	1.20
SN65LBC176QDRQ1	296-16947-1-ND	Quad LP Differential Bus Transceiver	8-SOIC	2.00	1.60	1.20
SN65LBC176QDRQ1	296-16947-2-ND	Quad LP Differential Bus Transceiver	8-SOIC		2560.00/2,500	
SN65LBC179AD	296-9725-5-ND	LP Differential Line Driver/Recvr. Pairs	8-SOIC	2.36	1.84	1.38
SN65LBC179AP	296-9726-5-ND	LP Differential Line Driver/Recvr. Pairs	8-Dip	2.30	1.84	1.38
SN65LBC179D	296-9727-5-ND	LP Differential Line Driver/Recvr. Pairs	8-SOIC	1.78	1.42	1.07
SN65LBC179P	296-9728-5-ND	LP Differential Line Driver/Recvr. Pairs	8-Dip	1.78	1.42	1.07
SN65LBC180AD	296-9729-5-ND	LP Differential Line Driver/Recvr. Pairs	14-SOIC	2.54	2.04	1.59
SN65LBC180AN	296-9730-5-ND	LP Differential Line Driver/Recvr. Pairs	14-Dip	2.54	2.04	1.59
SN65LBC180D	296-9731-5-ND	LP Differential Line Driver/Recvr. Pairs	14-SOIC	2.20	1.76	1.32
SN65LBC180N	296-9732-5-ND	LP Differential Line Driver/Recvr. Pairs	14-Dip	2.20	1.76	1.32
SN65LBC180RGVT	296-17365-1-ND	LP Differential Line Driver/Recvr Pairs	16-QFN	2.30	1.84	1.38
SN65LBC180RGVT	296-17365-2-ND	LP Differential Line Driver/Recvr Pairs	16-QFN		322.00/250	
SN65LBC180RSAT	296-19550-1-ND	LP Differential Line Driver/ Receiver Pair	16-QFN	2.43	1.94	1.46
SN65LBC180RSAT	296-19550-2-ND	LP Differential Line Driver/ Receiver Pair	16-QFN		339.50/250	
SN65LBC182D	296-12167-5-ND	Differential Bus Transceiver	8-SOIC	2.20	1.76	1.32
SN65LBC182P	296-12734-5-ND	Differential Bus Transceiver	8-Dip	2.20	1.76	1.32
SN65LBC184D	296-9733-5-ND	Differential Xcvr. with TVS Protection	8-SOIC	2.93	2.34	1.82
SN65LBC184P	296-2343-5-ND	Differential Xcvr. with TVS Protection	8-Dip	2.93	2.34	1.82
SN65176BD	296-9693-5-ND	Differential Bus Transceiver	8-SOIC	.88	.66	.50
SN65176BP	296-1415-5-ND	Differential Bus Transceiver	8-Dip	.88	.66	.50
SN75HVD12P	296-14047-5-ND	3.3V RS-485 Transceiver	8-Dip	2.99	2.40	1.87
SN75HVD1176D	296-15346-5-ND	Profibus RS-485 Transceiver	8-SOIC	2.99	2.40	1.87
SN75LBC031D	296-6864-5-ND	High Speed Transceiver	8-SOIC	3.04	2.43	1.89
SN75LBC172DW	296-6865-5-ND	Quad LP Differential Line Driver	20-SOIC	3.13	2.51	1.95
SN75LBC172N	296-6866-5-ND	Quad LP Differential Line Driver	16-Dip	3.13	2.51	1.95
SN75LBC173D	296-6867-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.20	1.76	1.32
SN75LBC173N	296-6868-5-ND	Quad LP Differential Line Receiver	16-Dip	2.20	1.76	1.32
SN75LBC174DW	296-6869-5-ND	Quad LP Differential Line Driver	20-SOIC	3.31	2.65	2.06
SN75LBC174N	296-6870-5-ND	Quad LP Differential Line Driver	16-Dip	3.31	2.65	2.06
SN75LBC175D	296-6871-5-ND	Quad LP Differential Line Receiver	16-SOIC	2.10	1.68	1.26
SN75LBC175N	296-6872-5-ND	Quad LP Differential Line Receiver	16-Dip	2.10	1.68	1.26
SN75LBC176AD	296-6873-5-ND	Quad LP Differential Bus Transceiver	8-SOIC	2.30	1.84	1.38
SN75LBC176AP	296-6874-5-ND	Differential Bus Transceiver	8-Dip	2.30	1.84	1.38
SN75LBC176D	296-1279-5-ND	Differential Bus Transceiver	8-SOIC	1.78	1.42	1.07
SN75LBC176DR	296-1279-1-ND	Differential Bus Transceiver	8-SOIC	1.78	1.42	1.07
SN75LBC176DR	296-1279-2-ND	Differential Bus Transceiver	8-SOIC		2272.50/2,500	
SN75LBC176P	296-6875-5-ND	Differential Bus Transceiver	8-Dip	1.78	1.42	1.07
SN75LBC179AD	296-6876-5-ND	LP Differential Line Driver/Recvr Pairs	8-SOIC	2.20	1.76	1.32
SN75LBC179AP	296-6877-5-ND	LP Differential Line Driver/Recvr Pairs	8-Dip	2.20	1.76	1.32
SN75LBC179D	296-6878-5-ND	LP Differential Line Driver/Recvr Pairs	8-SOIC	1.58	1.26	.95
SN75LBC179P	296-6879-5-ND	LP Differential Line Driver/Recvr Pairs	8-Dip	1.58	1.26	.95
SN75LBC180AD	296-6880-5-ND	LP Differential Line Driver/Recvr Pairs	14-SOIC	2.36	1.89	1.47
SN75LBC180AN	296-6881-5-ND	LP Differential Line Driver/Recvr Pairs	14-Dip	2.36	1.89	1.47
SN75LBC180D	296-6882-5-ND	LP Differential Line Driver/Recvr Pairs	14-SOIC	2.00	1.60	1.20
SN75LBC180N	296-6883-5-ND	LP Differential Line Driver/Recvr Pairs	14-Dip	2.00	1.60	1.20
SN75LBC180RSAT	296-19552-1-ND	LP Differential Line Driver/ Receiver Pair	16-QFN	2.43	1.94	1.46
SN75LBC180RSAT	296-19552-2-ND	LP Differential Line Driver/ Receiver Pair	16-QFN		339.50/250	
SN75LBC182D	296-11656-5-ND	Differential Bus Transceiver	8-SOIC	2.00	1.60	1.20
SN75LBC184D	296-2364-5-ND	Differential Xcvr. with TVS Protection	8-SOIC	2.70	2.16	1.68
SN75LBC184P	296-6884-5-ND	Differential Xcvr. with TVS Protection	8-Dip	2.70	2.16	1.68
SN75LBC187DBR	296-6885-1-ND	Multichannel EIA-232 Driver/Receiver	28-SSOP	4.50	3.60	2.80
SN75LBC187DBR	296-6885-2-ND	Multichannel EIA-232 Driver/Receiver	28-SSOP		5100.00/2,000	
SN75LBC241DW	296-6886-5-ND	Low Power LinBiCMOS Multiple Drivers and Receivers	28-SOIC	2.70	2.16	1.68
SN75LBC771DW	296-6887-5-ND	GeoPort™ Transceiver	20-SOIC	2.48	1.98	1.54
SN75LBC776DW	296-6890-5-ND	Single-Chip GeoPort™ Transceiver	20-SOIC	4.73	3.78	2.94
SN75LBC777DW	296-6891-5-ND	Single-Chip Geoport/AppleTalk™ Transceiver	20-SOIC	3.60	2.88	2.24
SN75LBC784DWR	296-6892-1-ND	Quad RS-423-B Driver/Receiver	28-SOIC	5.18	4.14	3.22
SN75LBC784DWR	296-6892-2-ND	Quad RS-423-B Driver/Receiver	28-SOIC		2933.00/1,000	
SN75LBC786DW	296-6893-5-ND	Quad RS-423-B Driver/Receiver with Loopback	28-SOIC	9.91	8.93	7.92
SN75LBC968DL	296-6894-5-ND	9-Channel Bus Transceiver with Active Termination	56-SSOP	15.99	14.40	12.77
SN75LBC978DLR	296-6895-1-ND	9-Channel Differential Transceiver	56-SSOP	23.10	21.56	20.02
SN75LBC978DLR	296-6895-2-ND	9-Channel Differential Transceiver	56-SSOP		19019.00/1,000	
SN75107AD	296-6799-5-ND	Dual Line Receiver	14-SOIC	1.25	1.00	.75
SN75107AN	296-6800-5-ND	Dual Line Receiver	14-Dip	1.25	1.00	.75
SN75107BD	296-6802-5-ND	Dual Line Receiver	14-SOIC	.80	.60	.45
SN75107BDR	296-14946-1-ND	Dual Line Receiver	14-SOIC	.80	.60	.45
SN75107BDR	296-14946-2-ND	Dual Line Receiver	14-SOIC		650.00/2,500	
SN75107BN	296-6803-5-ND	Dual Line Receiver	14-Dip	.80	.60	.45
SN75110AD	296-6804-5-ND	Dual Line Driver	14-SOIC	.80	.60	.45
SN75110ADR	296-14947-1-ND	Dual Line Driver	14-SOIC	.80	.60	.45
SN75110ADR	296-14947-2-ND	Dual Line Driver	14-SOIC		650.00/2,500	
SN75110AN	296-6805-5-ND	Dual Line Driver	14-Dip	.80	.60	.45
SN75112D	296-6806-5-ND	Dual Line Driver	14-SOIC	.99	.83	.66
SN75112DR	296-6806-1-ND	Dual Line Driver	14-SOIC	.99	.83	.66
SN75112DR	296-6806-2-ND	Dual Line Driver	14-SOIC		1072.50/2,500	
SN75112N	296-6807-5-ND	Dual Line Driver	14-Dip	.99	.83	.66
SN75113N	296-6809-5-ND	Dual Differential Line Driver	16-Dip	2.25	1.80	1.40
SN75114N	296-6811-5-ND	Dual Differential Line Driver	16-Dip	2.38	1.90	1.43
SN75115D	296-6812-5-ND	Dual Differential Line Receiver	16-SOIC	2.38	1.90	1.43
SN75115N	296-6813-5-ND	Dual Differential Line Receiver	16-Dip	2.38	1.90	1.43
SN75116N	296-6814-5-ND	Differential Line Transceiver	16-Dip	3.49	2.79	2.17
SN75117P	296-6820-5-ND	Differential Line Transceiver	8-Dip	3.94	3.15	2.45
SN75118N	296-6821-5-ND	Differential Line Transceiver	16-Dip	4.05	3.24	2.52
SN75119P	296-6822-5-ND	Differential Line Transceiver	8-Dip	4.05	3.24	2.52
SN75121N	296-6823-5-ND	Dual Line Driver	16-Dip	2.25	1.80	1.35
SN75123N	296-6825-5-ND	Dual Line Driver	16-Dip	2.25	1.80	1.35
SN75124N	296-6826-5-ND	Triple Line Receiver	16-Dip	2.25	1.80	1.35
SN75138N	296-6828-5-ND	Quad Bus Transceiver	16-Dip	2.00	1.60	1.20
SN75140P	296-12184-5-ND	Dual Line Receiver	8-Dip	1.50	1.20	.90
SN75150D	296-6830-5-ND	Dual Line Driver	8-SOIC	1.20	1.00	.80
SN75150DR	296-14948-1-ND	Dual Line Driver	8-SOIC	1.20	1.00	.80

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SN75150DR	296-14948-2-ND	Dual Line Driver	8-SOIC		1300.00/2,500	
SN75150P	296-6831-5-ND	Dual Line Driver	8-Dip	1.20	1.00	.80
SN75154D	296-6832-5-ND	Quad Differential Line Receiver	16-SOIC	1.20	1.00	.80
SN75154N	296-6833-5-ND	Quad Differential Line Receiver	16-Dip	1.20	1.00	.80
SN75155D	296-6835-5-ND	Line Driver and Receiver	8-SOIC	1.20	1.00	.80
SN75155DR	296-14949-1-ND	Line Driver and Receiver	8-SOIC	1.20	1.00	.80
SN75155DR	296-14949-2-ND	Line Driver and Receiver	8-SOIC		1300.00/2,500	
SN75155P	296-6836-5-ND	Line Driver and Receiver	8-Dip	1.20	1.00	.80
SN75157D	296-6837-5-ND	Dual Differential Line Receiver	8-SOIC	1.80	1.44	1.08
SN75157P	296-6838-5-ND	Dual Differential Line Receiver	8-Dip	1.80	1.44	1.08
SN75158D	296-6839-5-ND	Dual Differential Line Driver	8-SOIC	3.15	2.52	1.96
SN75158P	296-6840-5-ND	Dual Differential Line Driver	8-Dip	3.15	2.52	1.96
SN75158PSR	296-6841-1-ND	Dual Differential Line Driver	8-SOP	3.15	2.52	1.96
SN75158PSR	296-6841-2-ND	Dual Differential Line Driver	8-SOP		3570.00/2,000	
SN75159D	296-6842-5-ND	Dual Differential Line Driver	14-SOIC	2.70	2.16	1.68
SN75159N	296-6843-5-ND	Dual Differential Line Driver	14-Dip	2.70	2.16	1.68
SN75160BDW	296-6844-5-ND	Octal GP Interface Bus Transceiver	20-SOIC	2.00	1.60	1.20
SN75160BDWR	296-14950-1-ND	Octal GP Interface Bus Transceiver	20-SOIC	2.00	1.60	1.20
SN75160BDWR	296-14950-2-ND	Octal GP Interface Bus Transceiver	20-SOIC		2080.00/2,000	
SN75160BN	296-6845-5-ND	Octal GP Interface Bus Transceiver	20-Dip	2.00	1.60	1.20
SN75161BDW	296-6846-5-ND	Octal GP Interface Bus Transceiver	20-SOIC	2.00	1.60	1.20
SN75161BDWR	296-14951-1-ND	Octal GP Interface Bus Transceiver	20-SOIC	2.00	1.60	1.20
SN75161BDWR	296-14951-2-ND	Octal GP Interface BusTransceiver	20-SOIC		2080.00/2,000	
SN75161BN	296-6847-5-ND	Octal GP Interface Bus Transceiver	20-Dip	2.00	1.60	1.20
SN75162BDW	296-6848-5-ND	Octal GP Interface Bus Transceiver	20-SOIC	4.73	3.78	2.94
SN75172DWR	296-14952-1-ND	Quad Differential Line Driver	20-SOIC	1.83	1.46	1.10
SN75172DWR	296-14952-2-ND	Quad Differential Line Driver	20-SOIC		1898.00/2,000	
SN75172N	296-6850-5-ND	Quad Differential Line Driver	16-Dip	1.83	1.46	1.10
SN75173D	296-6851-5-ND	Triple Line Driver/Receiver	16-SOIC	4.05	3.24	2.52
SN75173N	296-6852-5-ND	Triple Line Driver/Receiver	16-Dip	4.05	3.24	2.52
SN75173D	296-6853-5-ND	Quad Differential Line Receiver	16-SOIC	1.83	1.46	1.10
SN75173DR	296-14953-1-ND	Quad Differential Line Receiver	16-SOIC	1.83	1.46	1.10
SN75173DR	296-14953-2-ND	Quad Differential Line Receiver	16-SOIC		2335.00/2,500	
SN75173N	296-6854-5-ND	Quad Differential Line Receiver	16-Dip	1.83	1.46	1.10
SN75174DWR	296-6855-1-ND	Quad Differential Line Driver	20-SOIC	1.55	1.24	.93
SN75174DWR	296-6855-2-ND	Quad Differential Line Driver	20-SOIC		1612.00/2,000	
SN75174N	296-1735-5-ND	Quad Differential Line Driver	16-Dip	1.30	1.04	.78
SN75175D	296-6856-5-ND	Quad Differential Line Receiver	16-SOIC	1.30	1.04	.78
SN75175DR	296-14954-1-ND	Quad Differential Line Receiver	16-SOIC	1.30	1.04	.78
SN75175DR	296-14954-2-ND	Quad Differential Line Receiver	16-SOIC		1665.00/2,500	
SN75175N	296-1736-5-ND	Quad Differential Line Receiver	16-Dip	1.30	1.04	.78
SN75176AD	296-6857-5-ND	Differential Bus Transceiver	8-SOIC	.80	.60	.45
SN75176ADR	296-14955-1-ND	Differential Bus Transceiver	8-SOIC	.80	.60	.45
SN75176ADR	296-14955-2-ND	Differential Bus Transceiver	8-SOIC		650.00/2,500	
SN75176AP	296-1737-5-ND	Differential Bus Transceiver	8-Dip	.80	.60	.45
SN75176BD	296-1275-5-ND	Differential Bus Transceiver	8-SOIC	.80	.60	.45
SN75176BDR	296-1275-1-ND	Differential Bus Transceiver	8-SOIC	.80	.60	.45
SN75176BDR	296-1275-2-ND	Differential Bus Transceiver	8-SOIC		465.00/2,500	
SN75176BP	296-1739-5-ND	Differential Bus Transceiver	8-Dip	.80	.60	.45
SN75178BP	296-6858-5-ND	Differential Bus Repeaters	8-Dip	2.25	1.80	1.35
SN75179BD	296-6860-5-ND	Differential Driver/Receiver Pair	8-SOIC	1.29	1.08	.86
SN75179BDR	296-14956-1-ND	Differential Driver/Receiver Pair	8-SOIC	1.29	1.08	.86
SN75179BDR	296-14956-2-ND	Differential Driver/Receiver Pair	8-SOIC		1397.50/2,500	
SN75179BP	296-6861-5-ND	Differential Driver/Receiver Pair	8-Dip	1.29	1.08	.86
SN75179D	296-6862-5-ND	Dual Differential Line Driver	14-SOIC	1.25	1.00	.75
SN75183N	296-6863-5-ND	Quad Differential Line Driver	14-Dip	2.63	2.11	1.64
SN75189DR	296-14957-1-ND	Quad Line Receiver	14-SOIC	.48	.36	.27
SN75189DR	296-14957-2-ND	Quad Line Receiver	14-SOIC		390.00/2,500	
SN75976A1DGG	296-9925-5-ND	9-Channel RS-485 Diff. Transceiver	56-TSSOP	16.13	15.05	13.98
SN75976A1DL	296-9926-5-ND	9-Channel RS-485 Diff. Transceiver	56-SSOP	16.13	15.05	13.98
SN75976A2DGG	296-2363-5-ND	9-Channel RS-485 Diff. Transceiver	56-TSSOP	22.20	20.72	19.24
SN751177N	296-6816-5-ND	Dual Differential Driver/Receiver	16-Dip	4.84	3.87	3.01
SN751177NSR	296-6817-1-ND	Dual Differential Driver/Receiver	16-SOP	4.39	3.51	2.73
SN751177NSR	296-6817-2-ND	Dual Differential Driver/Receiver	16-SOP		4972.00/2,000	
SN751178N	296-6818-5-ND	Dual Differential Driver/Receiver	16-Dip	4.84	3.87	3.01
SN751178NSR	296-6819-1-ND	Dual Differential Driver/Receiver	16-SOP	4.39	3.51	2.73
SN751178NSR	296-6819-2-ND	Dual Differential Driver/Receiver	16-SOP		4972.00/2,000	
TL3695DR	296-15009-1-ND	Differential Bus Transceiver	8-SOIC	1.25	1.00	.75
TL3695DR	296-15009-2-ND	Differential Bus Transceiver	8-SOIC		1600.00/2,500	
TL3695P	296-10172-5-ND	Differential Bus Transceiver	8-Dip	1.25	1.00	.75
UA9637ACD	296-11149-5-ND	Dual Differential Line Receiver	8-SOIC	.75	.63	.50
UA9639CP	296-11150-5-ND	Dual Differential Line Receiver	8-Dip	.90	.75	.60

RS-232

GD75232DBR	296-6947-1-ND	Multiple RS-232 Driver/Receiver	20-SSOP	.60	.45	.34
GD75232DBR	296-6947-2-ND	Multiple RS-232 Driver/Receiver	20-SSOP		400.00/2,000	
GD75232DW	296-6948-5-ND	Multiple RS-232 Driver/Receiver	20-SOIC	.60	.45	.34
GD75232DWR	296-6948-1-ND	Multiple RS-232 Driver/Receiver	20-SOIC	.60	.45	.34
GD75232DWR	296-6948-2-ND	Multiple RS-232 Driver/Receiver	20-SOIC		400.00/2,000	
GD75232PWR	296-6950-1-ND	Multiple RS-232 Driver/Receiver	20-TSSOP	.60	.45	.34
GD75232PWR	296-6950-2-ND	Multiple RS-232 Driver/Receiver	20-TSSOP		400.00/2,000	
GD75323DW	296-6951-5-ND	Multiple RS-232 Driver/Receiver	20-SOIC	.92	.69	.52
LT1030CD	296-9589-5-ND	Quad Low Power Line Driver	14-SOIC	2.00	1.60	1.20
LT1030CN	296-1401-5-ND	Quad Low Power Line Driver	14-Dip	2.00	1.60	1.20
MAX202CDR	296-18480-1-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC	.90	.75	.60
MAX202CDR	296-18480-2-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC		975.00/2,500	
MAX202CDWR	296-18481-1-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC	.90	.75	.60
MAX202CDWR	296-18481-2-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC		798.00/2,000	
MAX202CPWR	296-18482-1-ND	5V Dual RS-232 Line Driver/Receiver	16-TSSOP	.90	.75	.60
MAX202CPWR	296-18482-2-ND	5V Dual RS-232 Line Driver/Receiver	16-TSSOP		798.00/2,000	
MAX202IDR	296-18483-1-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC	.90	.75	.60
MAX202IDR	296-18483-2-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC		975.00/2,500	
MAX202IDWR	296-18484-1-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC	.90	.75	.60
MAX202IDWR	296-18484-2-ND	5V Dual RS-232 Line Driver/Receiver	16-SOIC		798.00/2,000	
MAX202IPWR	296-18485-1-ND	5V Dual RS-232 Line Driver/Receiver	16-TSSOP	.90	.75	.60
MAX202IPWR	296-18485-2-ND	5V Dual RS-232 Line Driver/Receiver	16-TSSOP		798.00/2,000	

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX207CDBR	296-18486-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP	1.50	1.20	.90
MAX207CDBR	296-18486-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP		1560.00/2,000	
MAX207CDWR	296-18487-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC	1.50	1.20	.90
MAX207CDWR	296-18487-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC		1560.00/2,000	
MAX207IDBR	296-18488-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP	1.63	1.30	.98
MAX207IDBR	296-18488-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP		1690.00/2,000	
MAX207IDWR	296-18489-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC	1.63	1.30	.98
MAX207IDWR	296-18489-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC		1690.00/2,000	
MAX208CDBR	296-18490-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP	1.50	1.20	.90
MAX208CDBR	296-18490-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP		1560.00/2,000	
MAX208CDWR	296-18491-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC	1.50	1.20	.90
MAX208CDWR	296-18491-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC		1560.00/2,000	
MAX208IDBR	296-18492-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP	1.63	1.30	.98
MAX208IDBR	296-18492-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SSOP		1690.00/2,000	
MAX208IDWR	296-18493-1-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC	1.63	1.30	.98
MAX208IDWR	296-18493-2-ND	5V Multichannel RS-232 Line Driver/Receiver	24-SOIC		1690.00/2,000	
MAX211CDBR	296-18494-1-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SSOP	1.50	1.20	.90
MAX211CDBR	296-18494-2-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SSOP		1560.00/2,000	
MAX211CDWR	296-18495-1-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SOIC	1.63	1.30	.98
MAX211CDWR	296-18495-2-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SOIC		845.00/1,000	
MAX211IDBR	296-15170-1-ND	5V, Multiple RS-232 Line Driver/Receiver	28-SSOP	1.63	1.30	.98
MAX211IDBR	296-15170-2-ND	5V, Multiple RS-232 Line Driver/Receiver	28-SSOP		1690.00/2,000	
MAX211IDWR	296-18496-1-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SOIC	1.63	1.30	.98
MAX211IDWR	296-18496-2-ND	5V Multichannel RS-232 Line Driver/Receiver	28-SOIC		845.00/1,000	
MAX222CDWR	296-18497-1-ND	5V Dual RS-232 Line Driver/Receiver	18-SOIC	1.75	1.40	1.05
MAX222CDWR	296-18497-2-ND	5V Dual RS-232 Line Driver/Receiver	18-SOIC		1820.00/2,000	
MAX222IDWR	296-17256-1-ND	5V, Dual RS-232 Line Driver/Receiver	18-SOIC	1.88	1.50	1.13
MAX222IDWR	296-17256-2-ND	5V, Dual RS-232 Line Driver/Receiver	18-SOIC		1950.00/2,000	
MAX232D	296-6936-5-ND	Dual EIA-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232DR	296-14619-1-ND	Dual RS-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232DR	296-14619-2-ND	Dual RS-232 Driver/Receiver	16-SOIC		975.00/2,500	
MAX232DW	296-6937-5-ND	Dual EIA-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232DWR	296-14620-1-ND	Dual RS-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232DWR	296-14620-2-ND	Dual RS-232 Driver/Receiver	16-SOIC		798.00/2,000	
MAX232ID	296-6938-5-ND	Dual EIA-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232IDW	296-6939-5-ND	Dual EIA-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232IDWR	296-14621-1-ND	Dual RS-232 Driver/Receiver	16-SOIC	.90	.75	.60
MAX232IDWR	296-14621-2-ND	Dual RS-232 Driver/Receiver	16-SOIC		798.00/2,000	
MAX232IN	296-6940-5-ND	Dual EIA-232 Driver/Receiver	16-Dip	.90	.75	.60
MAX232N	296-1402-5-ND	Dual EIA-232 Driver/Receiver	16-Dip	.90	.75	.60
MAX232NSR	296-15895-1-ND	Dual EIA-232 Driver/Receiver	16-SOP	.90	.75	.60
MAX232NSR	296-15895-2-ND	Dual EIA-232 Driver/Receiver	16-SOP		798.00/2,000	
MAX3221CDBR	296-9593-1-ND	1-Channel, RS-232 Driver/Receiver	16-SSOP	1.38	1.10	.83
MAX3221CDBR	296-9593-2-ND	1-Channel, RS-232 Driver/Receiver	16-SSOP		1430.00/2,000	
MAX3221CPWR	296-9594-1-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP	1.38	1.10	.83
MAX3221CPWR	296-9594-2-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP		1430.00/2,000	
MAX3221EIPWR	296-19383-1-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP	7.80	5.85	4.23
MAX3221EIPWR	296-19383-2-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP		3510.00/2,000	
MAX3221IDBR	296-9595-1-ND	1-Channel, RS-232 Driver/Receiver	16-SSOP	1.50	1.20	.90
MAX3221IDBR	296-9595-2-ND	1-Channel, RS-232 Driver/Receiver	16-SSOP		1482.00/2,000	
MAX3221IPWR	296-9596-1-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP	1.50	1.20	.90
MAX3221IPWR	296-9596-2-ND	1-Channel, RS-232 Driver/Receiver	16-TSSOP		1404.00/2,000	
MAX3222CDBR	296-13082-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SSOP	2.13	1.70	1.28
MAX3222CDBR	296-13082-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SSOP		2210.00/2,000	
MAX3222CDWR	296-13083-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SOIC	2.13	1.70	1.28
MAX3222CDWR	296-13083-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SOIC		2210.00/2,000	
MAX3222CPWR	296-13084-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-TSSOP	2.13	1.70	1.28
MAX3222CPWR	296-13084-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-TSSOP		2210.00/2,000	
MAX3222IDBR	296-13085-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SSOP	2.25	1.80	1.35
MAX3222IDBR	296-13085-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SSOP		2340.00/2,000	
MAX3222IDWR	296-13086-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SOIC	2.13	1.70	1.28
MAX3222IDWR	296-13086-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-SOIC		2340.00/2,000	
MAX3222IPWR	296-13087-1-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-TSSOP	2.25	1.80	1.35
MAX3222IPWR	296-13087-2-ND	3-5.5V, Multichannel RS-232 Line Driver/Receiver	20-TSSOP		2340.00/2,000	
MAX3223CDBR	296-13088-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SSOP	1.75	1.40	1.05

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX3223CDBR	296-13088-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SSOP		1638.00/2,000	
MAX3223CDWR	296-13445-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SOIC	1.75	1.40	1.05
MAX3223CDWR	296-13445-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SOIC		1820.00/2,000	
MAX3223CPWR	296-13089-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-TSSOP	1.75	1.40	1.05
MAX3223CPWR	296-13089-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-TSSOP		1820.00/2,000	
MAX3223IDBR	296-13090-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SSOP	2.13	1.70	1.28
MAX3223IDBR	296-13090-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SSOP		2132.00/2,000	
MAX3223IDWR	296-13091-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SOIC	2.13	1.70	1.28
MAX3223IDWR	296-13091-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-SOIC		2210.00/2,000	
MAX3223IPWR	296-13092-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-TSSOP	2.13	1.70	1.28
MAX3223IPWR	296-13092-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	20-TSSOP		2132.00/2,000	
MAX3232CDBR	296-13093-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SSOP	1.75	1.40	1.05
MAX3232CDBR	296-13093-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SSOP		1560.00/2,000	
MAX3232CDR	296-13094-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC	1.50	1.20	.90
MAX3232CDR	296-13094-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC		1920.00/2,500	
MAX3232CDWR	296-13095-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC	1.50	1.20	.90
MAX3232CDWR	296-13095-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC		1560.00/2,000	
MAX3232CPWR	296-13096-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP	1.75	1.40	1.05
MAX3232CPWR	296-13096-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
MAX3232ECPWR	296-19263-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP	1.63	1.30	.98
MAX3232ECPWR	296-19263-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP		1690.00/2,000	
MAX3232EIDR	296-19752-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver ***NEW!***	16-SOIC	1.75	1.40	1.05
MAX3232EIDR	296-19752-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver ***NEW!***	16-SOIC		2240.00/2,500	
MAX3232EIPWR	296-19436-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP	1.75	1.40	1.05
MAX3232EIPWR	296-19436-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
MAX3232IDBR	296-13097-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SSOP	1.63	1.30	.98
MAX3232IDBR	296-13097-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SSOP		1690.00/2,000	
MAX3232IDR	296-13098-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC	1.63	1.30	.98
MAX3232IDR	296-13098-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC		1825.00/2,500	
MAX3232IDWR	296-13099-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC	1.88	1.50	1.13
MAX3232IDWR	296-13099-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-SOIC		1950.00/2,000	
MAX3232IPWR	296-13100-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP	1.88	1.50	1.13
MAX3232IPWR	296-13100-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver	16-TSSOP		1690.00/2,000	
MAX3232MDBREP	296-19873-1-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver ***NEW!***	16-SSOP	3.38	2.70	2.10
MAX3232MDBREP	296-19873-2-ND	3-5.5V Multichannel RS-232 Line Driver/Receiver ***NEW!***	16-SSOP		3826.00/2,000	
MAX3237ECPWR	296-19770-1-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-TSSOP	2.08	1.66	1.25
MAX3237ECPWR	296-19770-2-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-TSSOP		2158.00/2,000	
MAX3237EIDBR	296-19801-1-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-SSOP	2.35	1.88	1.41
MAX3237EIDBR	296-19801-2-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-SSOP		2444.00/2,000	
MAX3237EIPWR	296-19771-1-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-TSSOP	2.35	1.88	1.41
MAX3237EIPWR	296-19771-2-ND	3-5.5V RS-232 Line Driver/Receiver ***NEW!***	28-TSSOP		2444.00/2,000	
MAX3238CDBR	296-9597-1-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP	1.88	1.50	1.13
MAX3238CDBR	296-9597-2-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP		1950.00/2,000	
MAX3238CPWR	296-9598-1-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP	1.88	1.50	1.13
MAX3238CPWR	296-9598-2-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP		1872.00/2,000	
MAX3238IDBR	296-9599-1-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP	2.13	1.70	1.28
MAX3238IDBR	296-9599-2-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP		2210.00/2,000	
MAX3238IDBRQ1	296-15187-1-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP	2.23	1.78	1.34
MAX3238IDBRQ1	296-15187-2-ND	Multichannel RS-232 Driver/Rcvr.	28-SSOP		2314.00/2,000	
MAX3238IPWR	296-9600-1-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP	2.13	1.70	1.28
MAX3238IPWR	296-9600-2-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP		2210.00/2,000	
MAX3238IPWRQ1	296-15189-1-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP	2.23	1.78	1.34
MAX3238IPWRQ1	296-15189-2-ND	Multichannel RS-232 Driver/Rcvr.	28-TSSOP		2314.00/2,000	
MAX3243CDBR	296-6941-1-ND	Multiple RS-232 Driver/Receiver	28-SSOP	1.38	1.10	.83
MAX3243CDBR	296-6941-2-ND	Multiple RS-232 Driver/Receiver	28-SSOP		1430.00/2,000	
MAX3243CDWR	296-6942-1-ND	Multiple RS-232 Driver/Receiver	28-SOIC	1.38	1.10	.83
MAX3243CDWR	296-6942-2-ND	Multiple RS-232 Driver/Receiver	28-SOIC		715.00/1,000	
MAX3243CPW	296-6943-5-ND	Multiple RS-232 Driver/Receiver	28-TSSOP	1.38	1.10	.83
MAX3243CPWR	296-6943-1-ND	Multiple RS-232 Driver/Receiver	28-TSSOP	1.38	1.10	.83
MAX3243CPWR	296-6943-2-ND	Multiple RS-232 Driver/Receiver	28-TSSOP		1430.00/2,000	
MAX3243IDBR	296-6944-1-ND	Multiple RS-232 Driver/Receiver	28-SSOP	1.50	1.20	.90
MAX3243IDBR	296-6944-2-ND	Multiple RS-232 Driver/Receiver	28-SSOP		1560.00/2,000	

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX3243IDWR	296-6945-1-ND	Multiple RS-232 Driver/Receiver	28-SOIC	1.50	1.20	.90
MAX3243IDWR	296-6945-2-ND	Multiple RS-232 Driver/Receiver	28-SOIC		780.00/1,000	
MAX3243IPWR	296-6946-1-ND	Multiple RS-232 Driver/Receiver	28-TSSOP	1.50	1.20	.90
MAX3243IPWR	296-6946-2-ND	Multiple RS-232 Driver/Receiver	28-TSSOP		1560.00/2,000	
MC1488N	296-1404-5-ND	Quad Line Driver	14-Dip	.55	.44	.33
MC1489AN	296-9602-5-ND	Quad Line Receiver	14-Dip	.64	.48	.36
MC1489N	296-1405-5-ND	Quad Line Receiver	14-Dip	.56	.42	.32
SN65C1154N	296-11855-5-ND	Quad Low Power Driver/Receiver	20-Dip	4.28	3.42	2.66
SN65C3221DBR	296-13116-1-ND	3-5.5V, Single Channel Compatible RS-232 Line Driver/Receiver	16-SSOP	2.97	2.38	1.85
SN65C3221DBR	296-13116-2-ND	3-5.5V, Single Channel Compatible RS-232 Line Driver/Receiver	16-SSOP		1820.00/2,000	
SN65C3221PWR	296-13117-1-ND	3-5.5V, Single Channel Compatible RS-232 Line Driver/Receiver	16-TSSOP	2.97	2.38	1.85
SN65C3221PWR	296-13117-2-ND	3-5.5V, Single Channel Compatible RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
SN65C3222DBR	296-15371-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP	4.05	3.24	2.52
SN65C3222DBR	296-15371-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP		2080.00/2,000	
SN65C3222DWR	296-15372-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC	4.05	3.24	2.52
SN65C3222DWR	296-15372-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC		2080.00/2,000	
SN65C3222PWR	296-15373-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP	4.05	3.24	2.52
SN65C3222PWR	296-15373-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP		2080.00/2,000	
SN65C3223DBR	296-13486-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP	3.51	2.81	2.19
SN65C3223DBR	296-13486-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP		2080.00/2,000	
SN65C3223DWR	296-13487-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC	3.51	2.81	2.19
SN65C3223DWR	296-13487-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC		2080.00/2,000	
SN65C3223PWR	296-13488-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP	3.51	2.81	2.19
SN65C3223PWR	296-13488-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP		2080.00/2,000	
SN65C3232DBR	296-15374-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SSOP	3.78	3.03	2.36
SN65C3232DBR	296-15374-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SSOP		1820.00/2,000	
SN65C3232DR	296-15375-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC	3.78	3.03	2.36
SN65C3232DR	296-15375-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC		2240.00/2,500	
SN65C3232DWR	296-15376-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC	3.78	3.03	2.36
SN65C3232DWR	296-15376-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC		1820.00/2,000	
SN65C3232PWR	296-15377-1-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-TSSOP	3.78	3.03	2.36
SN65C3232PWR	296-15377-2-ND	3-5.5V Multichannel Compatible RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
SN65C3238DBR	296-12733-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP	4.05	3.24	2.52
SN65C3238DBR	296-12733-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP		2340.00/2,000	
SN65C3238DWR	296-13118-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC	4.05	3.24	2.52
SN65C3238DWR	296-13118-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC		1170.00/1,000	
SN65C3238PWR	296-13119-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP	4.05	3.24	2.52
SN65C3238PWR	296-13119-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP		2340.00/2,000	
SN65C3243DBR	296-13120-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP	4.32	3.46	2.69
SN65C3243DBR	296-13120-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP		2340.00/2,000	
SN65C3243DWR	296-13121-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC	4.32	3.46	2.69
SN65C3243DWR	296-13121-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC		1170.00/1,000	
SN65C3243PWR	296-13122-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP	4.32	3.46	2.69
SN65C3243PWR	296-13122-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP		2340.00/2,000	
SN65C23243DGGR	296-13114-1-ND	3-5.5V, Dual RS-232 Port	48-TSSOP	5.40	4.32	3.36
SN65C23243DGGR	296-13114-2-ND	3-5.5V, Dual RS-232 Port	48-TSSOP		6120.00/2,000	
SN65C23243DLR	296-13115-1-ND	3-5.5V, Dual RS-232 Port	48-SSOP	5.40	4.32	3.36
SN65C23243DLR	296-13115-2-ND	3-5.5V, Dual RS-232 Port	48-SSOP		3060.00/1,000	
SN75C185DW	296-1753-5-ND	Low Power Multiple Driver/Receiver	20-SOIC	1.50	1.20	.90
SN75C185DWR	296-14972-1-ND	Low Power Multiple Driver/Receiver	20-SOIC	1.50	1.20	.90
SN75C185DWR	296-14972-2-ND	Low Power Multiple Driver/Receiver	20-SOIC		1560.00/2,000	
SN75C185N	296-9974-5-ND	Low Power Multiple Driver/Receiver	20-Dip	1.50	1.20	.90
SN75C188D	296-6965-5-ND	Quad Low Power Line Driver	14-SOIC	.68	.51	.39
SN75C188DBR	296-6966-1-ND	Quad Low Power Line Driver	14-SSOP	.68	.51	.39
SN75C188DBR	296-6966-2-ND	Quad Low Power Line Driver	14-SSOP		452.00/2,000	
SN75C188DR	296-14973-1-ND	Quad Low Power Line Driver	14-SOIC	.68	.51	.39
SN75C188DR	296-14973-2-ND	Quad Low Power Line Driver	14-SOIC		552.50/2,500	
SN75C188N	296-1754-5-ND	Quad Low Power Line Driver	14-Dip	.68	.51	.39
SN75C189AD	296-1755-5-ND	Quad Low Power Line Receiver	14-SOIC	.68	.51	.39
SN75C189ADBR	296-6967-1-ND	Quad Low Power Line Receiver	14-SSOP	.68	.51	.39
SN75C189ADBR	296-6967-2-ND	Quad Low Power Line Receiver	14-SSOP		452.00/2,000	
SN75C189ADR	296-14974-1-ND	Quad Low Power Line Receiver	14-SOIC	.68	.51	.39
SN75C189ADR	296-14974-2-ND	Quad Low Power Line Receiver	14-SOIC		552.50/2,500	
SN75C189AN	296-1756-5-ND	Quad Low Power Line Receiver	14-Dip	.68	.51	.39
SN75C189D	296-6968-5-ND	Quad Low Power Line Receiver	14-SOIC	.68	.51	.39
SN75C189DR	296-14975-1-ND	Quad Low Power Line Receiver	14-SOIC	.68	.51	.39
SN75C189DR	296-14975-2-ND	Quad Low Power Line Receiver	14-SOIC		552.50/2,500	
SN75C189N	296-6969-5-ND	Quad Low Power Line Receiver	14-Dip	.68	.51	.39
SN75C198D	296-6970-5-ND	Quad Low Power Line Drivers	14-SOP	2.81	2.25	1.75
SN75C1154DW	296-6958-5-ND	Quad Low Power Driver/Receiver	20-SOIC	1.26	1.05	.84
SN75C1154N	296-6959-5-ND	Quad Low Power Driver/Receiver	20-Dip	1.26	1.05	.84
SN75C1167DBR	296-6960-1-ND	Dual Differential Driver/Receiver	16-SOIC	1.25	1.00	.75
SN75C1167DBR	296-6960-2-ND	Dual Differential Driver/Receiver	16-SOIC		1300.00/2,000	
SN75C1167N	296-6961-5-ND	Dual Differential Driver/Receiver	16-Dip	1.25	1.00	.75
SN75C1167NSR	296-6962-1-ND	Dual Differential Driver/Receiver	16-SOP	1.25	1.00	.75
SN75C1167NSR	296-6962-2-ND	Dual Differential Driver/Receiver	16-SOP		1300.00/2,000	
SN75C1168N	296-6963-5-ND	Dual Differential Driver/Receiver	16-Dip	1.25	1.00	.75
SN75C1168NSR	296-6964-1-ND	Dual Differential Driver/Receiver	16-SOP	1.50	1.20	.90
SN75C1168NSR	296-6964-2-ND	Dual Differential Driver/Receiver	16-SOP		1560.00/2,000	
SN75C1168PWR	296-14971-1-ND	Dual Differential Driver/Receiver	16-TSSOP	1.25	1.00	.75
SN75C1168PWR	296-14971-2-ND	Dual Differential Driver/Receiver	16-TSSOP		1300.00/2,000	
SN75C1406D	296-12934-5-ND	Triple Low Power Driver/Receiver	16-SOIC	1.44	1.20	.96
SN75C1406DW	296-1751-5-ND	Triple Low Power Driver/Receiver	16-SOIC	1.44	1.20	.96
SN75C1406DWR	296-1751-1-ND	Triple Low Power Driver/Receiver	16-SOIC	1.44	1.20	.96
SN75C1406DWR	296-1751-2-ND	Triple Low Power Driver/Receiver	16-SOIC		1276.00/2,000	
SN75C1406N	296-1752-5-ND	Triple Low Power Driver/Receiver	16-Dip	1.44	1.20	.96
SN75C3221DBR	296-13322-1-ND	3-5.5V, Single Channel RS-232 Compatible Line Driver/Receiver	16-SSOP	2.43	1.95	1.52
SN75C3221DBR	296-13322-2-ND	3-5.5V, Single Channel RS-232 Compatible Line Driver/Receiver	16-SSOP		1820.00/2,000	
SN75C3221PWR	296-13323-1-ND	3-5.5V, Single Channel RS-232 Compatible Line Driver/Receiver	16-TSSOP	2.43	1.95	1.52
SN75C3221PWR	296-13323-2-ND	3-5.5V, Single Channel Compatible RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
SN75C3222DBR	296-15613-1-ND	RS-232 Compatible Line Driver/Receiver	20-SSOP	3.51	2.81	2.19
SN75C3222DBR	296-15613-2-ND	RS-232 Compatible Line Driver/Receiver	20-SSOP		2080.00/2,000	
SN75C3222DWR	296-13040-1-ND	RS-232 Compatible Line Driver/Receiver	20-SOIC	3.51	2.81	2.19
SN75C3222DWR	296-13040-2-ND	RS-232 Compatible Line Driver/Receiver	20-SOIC		2080.00/2,000	
SN75C3222PWR	296-14342-1-ND	RS-232 Compatible Line Driver/Receiver	20-TSSOP	3.51	2.81	2.19
SN75C3222PWR	296-14342-2-ND	RS-232 Compatible Line Driver/Receiver	20-TSSOP		2080.00/2,000	
SN75C3223DBR	296-13499-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP	2.97	2.38	1.85
SN75C3223DBR	296-13499-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-SSOP		2080.00/2,000	
SN75C3223DWR	296-13500-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC	2.97	2.38	1.85
SN75C3223DWR	296-13500-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-SOIC		2080.00/2,000	
SN75C3223PWR	296-13501-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP	2.97	2.38	1.85
SN75C3223PWR	296-13501-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	20-TSSOP		2080.00/2,000	
SN75C3232DBR	296-15614-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SSOP	3.49	2.79	2.17
SN75C3232DBR	296-15614-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SSOP		1820.00/2,000	
SN75C3232DR	296-15615-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC	3.49	2.79	2.17
SN75C3232DR	296-15615-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC		2240.00/2,500	
SN75C3232DWR	296-15616-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC	3.49	2.79	2.17
SN75C3232DWR	296-15616-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-SOIC		1820.00/2,000	
SN75C3232PWR	296-15617-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-TSSOP	3.49	2.79	2.17
SN75C3232PWR	296-15617-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	16-TSSOP		1820.00/2,000	
SN75C3238DBR	296-12743-1-ND	RS-232 Line Driver/Receiver	28-SSOP	3.51	2.81	2.19
SN75C3238DBR	296-12743-2-ND	RS-232 Line Driver/Receiver	28-SSOP		2340.00/2,000	
SN75C3238DWR	296-13324-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC	3.51	2.81	2.19
SN75C3238DWR	296-13324-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC		1170.00/1,000	
SN75C3238PWR	296-13325-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP	3.51	2.81	2.19
SN75C3238PWR	296-13325-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP		2340.00/2,000	
SN75C3243DBR	296-13326-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP	3.24	2.60	2.02
SN75C3243DBR	296-13326-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SSOP		2340.00/2,000	
SN75C3243DWR	296-13327-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC	3.24	2.60	2.02
SN75C3243DWR	296-13327-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-SOIC		1170.00/1,000	
SN75C3243PWR	296-13058-1-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP	3.24	2.60	2.02
SN75C3243PWR	296-13058-2-ND	3-5.5V, Multichannel Compatible RS-232 Line Driver/Receiver	28-TSSOP		2340.00/2,000	
SN75C23243DGGR	296-13320-1-ND	3-5.5V, Dual RS-232 Port	48-TSSOP	4.28	3.42	2.66
SN75C23243DGGR	296-13320-2-ND	3-5.5V, Dual RS-232 Port	48-TSSOP		4846.00/2,000	
SN75C23243DLR	296-13321-1-ND	3-5.5V, Dual RS-232 Port	48-SSOP	4.28	3.42	2.66
SN75C23243DLR	296-13321-2-ND	3-5.5V, Dual RS-232 Port	48-SSOP		2423.00/1,000	
SN75LP196DBR	296-6974-1-ND	LP Multiple RS-232 Driver/Receiver	20-SSOP	2.48	1.98	1.49
SN75LP196DBR	296-6974-2-ND	LP Multiple RS-232 Driver/Receiver	20-SSOP		2574.00/2,000	
SN75LP196DWR	296-6975-1-ND	LP Multiple RS-232 Driver/Receiver	20-SOIC	2.48	1.98	1.49
SN75LP196DWR	296-6975-2-ND	LP Multiple RS-232 Driver/Receiver	20-SOIC		2574.00/2,000	
SN75LP1185DBR	296-6971-1-ND	LP Multiple RS-232 Driver/Receiver	20-SSOP	2.48	1.98	1.49
SN75LP1185DBR	296-6971-2-ND	LP Multiple RS-232 Driver/Receiver	20-SSOP		2574.00/2,000	
SN75LP1185DW	296-6972-5-ND	LP Multiple RS-232 Driver/Receiver	20-SOIC	2.48	1.98	1.49
SN75LP1185DWR	296-6972-1-ND	LP Multiple RS-232 Driver/Receiver	20-SOIC	2.48	1.98	1.49
SN75LP1185DWR	296-6972-2-ND	LP Multiple RS-232 Driver/Receiver	20-SOIC		2574.00/2,000	
SN75LPE185DBR	296-6976-1-ND	LP Multiple RS-232 Driver/Receiver	24-SSOP	2.36	1.89	1.47
SN75LPE185DBR	296-6976-2-ND	LP Multiple RS-232 Driver/Receiver	24-SSOP		2678.00/2,000	

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
4000 Family						
CD4027BNSR	296-14101-1-ND	Dual JK Master/Slave Flip-Flop	16-SOP	.50	.40	.30
CD4027BNSR	296-14101-2-ND	Dual JK Master/Slave Flip-Flop	16-SOP		308.00/2,000	
CD4027BPWR	296-14262-1-ND	Dual JK Master/Slave Flip-Flop	16-TSSOP	.55	.44	.33
CD4027BPWR	296-14262-2-ND	Dual JK Master/Slave Flip-Flop	16-TSSOP		308.00/2,000	
CD4028BE	296-2045-5-ND	BCD-to-Decimal Decoder	16-Dip	.52	.39	.30
CD4028BM96	296-14702-1-ND	BCD-to-Decimal Decoder	16-SOIC	.50	.40	.30
CD4028BM96	296-14702-2-ND	BCD-to-Decimal Decoder	16-SOIC		372.50/2,500	
CD4028BNSR	296-12724-1-ND	BCD-to-Decimal Decoder	16-SOP	.50	.40	.30
CD4028BNSR	296-12724-2-ND	BCD-to-Decimal Decoder	16-SOP		308.00/2,000	
CD4029BE	296-2046-5-ND	Preset Up/Down Binary Counter	16-Dip	.52	.39	.30
CD4029BPWR	296-17105-1-ND	Preset Up/Down Binary Counter	16-TSSOP	.60	.48	.36
CD4029BPWR	296-17105-2-ND	Preset Up/Down Binary Counter	16-TSSOP		336.00/2,000	
CD4030BE	296-2047-5-ND	Quad Exclusive OR Gate	14-Dip	.48	.36	.27
CD4030BM	296-14263-5-ND	Quad Exclusive OR Gate	14-SOIC	.55	.44	.33
CD4030BNSR	296-14102-1-ND	Quad Exclusive OR Gate	14-SOP	.50	.40	.30
CD4030BNSR	296-14102-2-ND	Quad Exclusive OR Gate	14-SOP		308.00/2,000	
CD4030BPWR	296-14103-1-ND	Quad Exclusive OR Gate	14-TSSOP	.50	.40	.30
CD4030BPWR	296-14103-2-ND	Quad Exclusive OR Gate	14-TSSOP		308.00/2,000	
CD4031BE	296-2162-5-ND	CMOS 64-Stage Static Shift Register	16-Dip	1.38	1.15	.92
CD4033BE	296-14264-5-ND	Decade Counter/Divider	16-Dip	1.38	1.10	.83
CD4034BE	296-14237-ND	CMOS 36-Stage Static Bidirectional Parallel/Serial Input/Output Bus Register	24-Dip	1.88	1.50	1.13
CD4035BE	296-2163-5-ND	CMOS 4-Stage Parallel in/Parallel Out Shift Register	16-Dip	1.44	1.20	.96
CD4035BPWR	296-14267-1-ND	CMOS 4-Stage Parallel In/Parallel Out Shift Register	16-TSSOP	1.44	1.20	.96
CD4035BPWR	296-14267-2-ND	CMOS 4-Stage Parallel In/Parallel Out Shift Register	16-TSSOP		1276.00/2,000	
CD4040BE	296-2048-5-ND	12-Stage, CMOS Ripple-Carry Binary Counter/Divider	16-Dip	.48	.36	.27
CD4040BNSR	296-13770-1-ND	12-Stage, CMOS Ripple-Carry Binary Counter/Divider	16-SOP	.50	.40	.30
CD4040BNSR	296-13770-2-ND	12-Stage, CMOS Ripple-Carry Binary Counter/Divider	16-SOP		308.00/2,000	
CD4040BPWR	296-12761-1-ND	12-Stage, CMOS Ripple-Carry Binary Counter/Divider	14-TSSOP	.55	.44	.33
CD4040BPWR	296-12761-2-ND	12-Stage, CMOS Ripple-Carry Binary Counter/Divider	14-TSSOP		308.00/2,000	
CD4041UBE	296-2164-5-ND	Quad True/Complement Buffer	14-Dip	.96	.72	.54
CD4041UBPWR	296-14104-1-ND	Quad True/Complement Buffer	14-TSSOP	.96	.72	.54
CD4041UBPWR	296-14104-2-ND	Quad True/Complement Buffer	14-TSSOP		638.00/2,000	
CD4042BE	296-2049-5-ND	Quad D-Type Latch	16-Dip	.48	.36	.27
CD4043BE	296-2050-5-ND	Tri-State Quad NOR R/S Latch	16-Dip	.60	.45	.34
CD4043BDW	296-14269-5-ND	Tri-State Quad NOR R/S Latch	16-SOIC	.60	.45	.34
CD4043BNSR	296-14105-1-ND	Tri-State Quad NOR R/S Latch	16-SOP	.60	.45	.34
CD4043BNSR	296-14105-2-ND	Tri-State Quad NOR R/S Latch	16-SOP		400.00/2,000	
CD4043BPWR	296-14106-1-ND	Tri-State Quad NOR R/S Latch	16-TSSOP	.60	.45	.34
CD4043BPWR	296-14106-2-ND	Tri-State Quad NOR R/S Latch	16-TSSOP		400.00/2,000	
CD4044BE	296-2051-5-ND	Quad NAND R/S Latch	16-Dip	.60	.45	.34
CD4044BNSR	296-12762-1-ND	Quad NAND R/S Latch	16-SOP	.52	.39	.30
CD4044BNSR	296-12762-2-ND	Quad NAND R/S Latch	16-SOP		346.00/2,000	
CD4045BE	296-3512-5-ND	Divide by N-Counter	16-Dip	.56	.42	.32
CD4045BPWR	296-14107-1-ND	Divide by N-Counter	16-TSSOP	.56	.42	.32
CD4045BPWR	296-14107-2-ND	Divide by N-Counter	16-TSSOP		372.00/2,000	
CD4046BE	296-2052-5-ND	Micropower Phase Lock Loop	16-Dip	.56	.42	.32
CD4046BNSR	296-14108-1-ND	Micropower Phase Lock Loop	16-SOP	.72	.54	.41
CD4046BNSR	296-14108-2-ND	Micropower Phase Lock Loop	16-SOP		478.00/2,000	
CD4046BPWR	296-14109-1-ND	Micropower Phase Lock Loop	16-TSSOP	.56	.42	.32
CD4046BPWR	296-14109-2-ND	Micropower Phase Lock Loop	16-TSSOP		372.00/2,000	
CD4047BE	296-2053-5-ND	CMOS Low Power Monostable/Astable Multivibrator	14-Dip	.52	.39	.30
CD4047BNSR	296-14110-1-ND	CMOS Low Power Monostable/Astable Multivibrator	14-SOP	.50	.40	.30
CD4047BNSR	296-14110-2-ND	CMOS Low Power Monostable/Astable Multivibrator	14-SOP		308.00/2,000	
CD4047BPWR	296-13642-1-ND	CMOS Low Power Monostable/Astable Multivibrator	14-TSSOP	.50	.40	.30
CD4047BPWR	296-13642-2-ND	CMOS Low Power Monostable/Astable Multivibrator	14-TSSOP		308.00/2,000	
CD4048BE	296-2054-5-ND	Expandable 8-Input Gate	16-Dip	.66	.50	.38
CD4049UBE	296-2055-5-ND	Hex Inverting Buffer/Converter	16-Dip	.53	.40	.30
CD4049UBNSR	296-14112-1-ND	Hex Inverting Buffer/Converter	16-SOP	.50	.40	.30
CD4049UBNSR	296-14112-2-ND	Hex Inverting Buffer/Converter	16-SOP		308.00/2,000	
CD4050BE	296-2056-5-ND	Hex Non-Inverting Buffer/Converter	16-Dip	.48	.36	.27
CD4050BDWR	296-14270-1-ND	Hex Non-Inverting Buffer/Converter	16-SOIC	.50	.40	.30
CD4050BDWR	296-14270-2-ND	Hex Non-Inverting Buffer/Converter	16-SOIC		308.00/2,000	
CD4050BNSR	296-14113-1-ND	Hex Non-Inverting Buffer/Converter	16-SOP	.50	.40	.30
CD4050BNSR	296-14113-2-ND	Hex Non-Inverting Buffer/Converter	16-SOP		308.00/2,000	
CD4051BE	296-2057-5-ND	8-Channel Analog Mux/Demux	16-Dip	.52	.39	.30
CD4051BM96	296-14271-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.48	.36	.27
CD4051BM96	296-14271-2-ND	8-Channel Analog Mux/Demux	16-SOIC		390.00/2,500	
CD4051BNSR	296-14115-1-ND	8-Channel Analog Mux/Demux	16-SOP	.52	.39	.30
CD4051BNSR	296-14115-2-ND	8-Channel Analog Mux/Demux	16-SOP		346.00/2,000	
CD4051BPWR	296-11993-1-ND	8-Channel Analog Mux/Demux	16-TSSOP	.48	.36	.27
CD4051BPWR	296-11993-2-ND	8-Channel Analog Mux/Demux	16-TSSOP		320.00/2,000	
CD4051BQPWRQ1	296-17780-1-ND	8-Channel Analog Mux/Demux	16-TSSOP	.56	.42	.32
CD4051BQPWRQ1	296-17780-2-ND	8-Channel Analog Mux/Demux	16-TSSOP		372.00/2,000	
CD4052BE	296-2058-5-ND	4-Channel Analog Mux/Demux	16-Dip	.48	.36	.27
CD4052BM96	296-14272-1-ND	4-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
CD4052BM96	296-14272-2-ND	4-Channel Analog Mux/Demux	16-SOIC		372.50/2,500	
CD4052BNSR	296-14116-1-ND	4-Channel Analog Mux/Demux	16-SOP	.50	.40	.30
CD4052BNSR	296-14116-2-ND	4-Channel Analog Mux/Demux	16-SOP		308.00/2,000	
CD4052BPWR	296-14273-1-ND	4-Channel Analog Mux/Demux	16-TSSOP	.55	.44	.33
CD4052BPWR	296-14273-2-ND	4-Channel Analog Mux/Demux	16-TSSOP		308.00/2,000	
CD4053BE	296-2059-5-ND	Triple 2-Channel Analog Mux/Demux	16-Dip	.55	.44	.33
CD4053BM96	296-14274-1-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
CD4053BM96	296-14274-2-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC		372.50/2,500	
CD4053BPWR	296-14117-1-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP	.55	.44	.33
CD4053BPWR	296-14117-2-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP		308.00/2,000	
CD4054BE	296-3514-5-ND	CMOS 4-Segment LCD Driver	16-Dip	.52	.39	.30
CD4055BE	296-14275-5-ND	BCD to 7-Segment Decoder/Driver	16-Dip	.80	.60	.45
CD4056BE	296-14118-5-ND	BCD to 7-Segment Decoder/Driver	16-Dip	.62	.47	.35
CD4059AE	296-3515-5-ND	CMOS Prog. Divide-by-N Counter	24-Dip	2.48	1.98	1.54
CD4060BE	296-2060-5-ND	14-Stage Ripple Counter/Divider and Oscillator	16-Dip	.48	.36	.27
CD4060BPWR	296-14119-1-ND	14-Stage Ripple Counter/Divider and Oscillator	16-TSSOP	.55	.44	.33
CD4060BPWR	296-14119-2-ND	14-Stage Ripple Counter/Divider and Oscillator	16-TSSOP		308.00/2,000	
CD4063BE	296-14120-5-ND	4-Bit Magnitude Comparator	16-Dip	.72	.54	.41
CD4063BNSR	296-14121-1-ND	4-Bit Magnitude Comparator	16-SOP	.72	.54	.41
CD4063BNSR	296-14121-2-ND	4-Bit Magnitude Comparator	16-SOP		478.00/2,000	
CD4066BE	296-2061-5-ND	Quad Bilateral Switch	14-Dip	.55	.44	.33
CD4066BM	296-3516-5-ND	Quad Bilateral Switch	14-SOIC	.55	.44	.33
CD4066BM96	296-14475-1-ND	Quad Bilateral Switch	14-SOIC	.55	.44	.33
CD4066BM96	296-14475-2-ND	Quad Bilateral Switch	14-SOIC		372.50/2,500	
CD4066BNSR	296-14122-1-ND	Quad Bilateral Switch	14-SOP	.55	.44	.33
CD4066BNSR	296-14122-2-ND	Quad Bilateral Switch	14-SOP		308.00/2,000	
CD4066BPWR	296-14123-1-ND	Quad Bilateral Switch	14-TSSOP	.55	.44	.33
CD4066BPWR	296-14123-2-ND	Quad Bilateral Switch	14-TSSOP		308.00/2,000	
CD4067BE	296-3517-5-ND	Single 16-Channel Analog Mux/Demux	24-Dip	1.38	1.15	.92
CD4068BE	296-14124-5-ND	8-Input NAND/AND Gate	14-Dip	.48	.36	.27
CD4068BM96	296-15355-1-ND	8-Input NAND/AND Gate	14-SOIC	.55	.44	.33
CD4068BM96	296-15355-2-ND	8-Input NAND/AND Gate	14-SOIC		372.50/2,500	
CD4068BNSR	296-14125-1-ND	8-Input NAND/AND Gate	14-SOP	.55	.44	.33
CD4068BNSR	296-14125-2-ND	8-Input NAND/AND Gate	14-SOP		308.00/2,000	
CD4069UBE	296-3518-5-ND	Hex Inverter	14-Dip	.55	.44	.33
CD4069UBM	296-3519-5-ND	Hex Inverter	14-SOIC	.55	.44	.33
CD4069UBM96	296-14476-1-ND	Hex Inverter	14-SOIC	.50	.40	.30
CD4069UBM96	296-14476-2-ND	Hex Inverter	14-SOIC		372.50/2,500	
CD4069UBNSR	296-14126-1-ND	Hex Inverter	14-SOP	.55	.44	.33
CD4069UBNSR	296-14126-2-ND	Hex Inverter	14-SOP		308.00/2,000	
CD4069UBPWR	296-14127-1-ND	Hex Inverter	14-TSSOP	.55	.44	.33
CD4069UBPWR	296-14127-2-ND	Hex Inverter	14-TSSOP		308.00/2,000	
CD4070BE	296-14128-5-ND	Quad Exclusive OR Gate	14-Dip	.55	.44	.33
CD4070BM	296-14276-5-ND	Quad Exclusive OR Gate	14-SOIC	.50	.40	.30
CD4070BNSR	296-14129-1-ND	Quad Exclusive OR Gate	14-SOP	.50	.40	.30
CD4070BNSR	296-14129-2-ND	Quad Exclusive OR Gate	14-SOP		280.00/2,000	
CD4070BPWR	296-14277-1-ND	Quad Exclusive OR Gate	14-TSSOP	.50	.40	.30
CD4070BPWR	296-14277-2-ND	Quad Exclusive OR Gate	14-TSSOP		280.00/2,000	
CD4071BE	296-2062-5-ND	Quad 2-Input OR Gate	14-Dip	.55	.44	.33
CD4071BM	296-14278-5-ND	Quad 2-Input OR Gate	14-SOIC	.50	.40	.30
CD4071BNSR	296-14130-1-ND	Quad 2-Input OR Gate	14-SOP	.50	.40	.30
CD4071BNSR	296-14130-2-ND	Quad 2-Input OR Gate	14-SOP		280.00/2,000	
CD4071BPW	296-14131-5-ND	Quad 2-Input OR Gate	14-TSSOP	.50	.40	.30
CD4072BE	296-2063-5-ND	Dual 4-Input OR Gate	14-Dip	.55	.44	.33
CD4072BNSR	296-14132-1-ND	Dual 4-Input OR Gate	14-SOP	.50	.40	.30
CD4072BNSR	296-14132-2-ND	Dual 4-Input OR Gate	14-SOP		280.00/2,000	
CD4073BE	296-2064-5-ND	Triple 3-Input AND Gate	14-Dip	.55	.44	.33
CD4073BM	296-3520-5-ND	Triple 3-Input AND Gate	14-SOIC	.55	.44	.33
CD4073BNSR	296-14133-1-ND	Triple 3-Input AND Gate	14-SOP	.55	.44	.33
CD4073BNSR	296-14133-2-ND	Triple 3-Input AND Gate	14-SOP		308.00/2,000	
CD4073BPWR	296-14134-1-ND	Triple 3-Input AND Gate	14-TSSOP	.55	.44	.33
CD4073BPWR	296-14134-2-ND	Triple 3-Input AND Gate	14-TSSOP		308.00/2,000	
CD4075BE	296-2065-5-ND	Triple 3-Input OR Gate	14-Dip	.55	.44	.33
CD4075BM	296-14279-5-ND	Triple 3-Input OR Gate	14-SOIC	.55	.44	.33
CD4075BNSR	296-14136-1-ND	Triple 3-Input OR Gate	14-SOP	.55	.44	.33
CD4075BNSR	296-14136-2-ND	Triple 3-Input OR Gate	14-SOP		308.00/2,000	
CD4076BE	296-14137-5-ND	4-Bit D-Type Register	16-Dip	.60	.45	.34
CD4077BE	296-13771-5-ND	CMOS Quad Exclusive NOR Gate	14-Dip	.48	.36	.27
CD4077BM	296-9406-5-ND	CMOS Quad Exclusive NOR Gate	14-SOIC	.55	.44	.33
CD4078BE	296-3521-5-ND	8-Input NOR/OR Gate	14-Dip	.55	.44	.33
CD4078BM	296-14138-5-ND	8-Input NOR/OR Gate	14-SOIC	.55	.44	.33
CD4078BNSR	296-14139-1-ND	8-Input NOR/OR Gate	14-SOP	.55	.44	.33
CD4078BNSR	296-14139-2-ND	8-Input NOR/OR Gate	14-SOP		308.00/2,000	
CD4081BE	296-2066-5-ND	Quad 2-Input AND Gate	14-Dip	.55	.44	.33
CD4081BM	296-14280-5-ND	Quad 2-Input AND Gate	14-SOIC	.55	.44	.33
CD4081BNSR	296-14140-1-ND	Quad 2-Input AND Gate	14-SOP	.46	.37	.26
CD4081BNSR	296-14140-2-ND	Quad 2-Input AND Gate	14-SOP		308.00/2,000	
CD4081BPWR	296-14141-1-ND	Quad 2-Input AND Gate	14-TSSOP	.46	.37	.26
CD4081BPWR	296-14141-2-ND	Quad 2-Input AND Gate	14-TSSOP		308.00/2,000	
CD4082BE	296-2067-5-ND	Dual 4-Input AND Gate	14-Dip	.55	.44	.33
CD4085BE	296-3522-5-ND	Dual 2-Wide/2-In AND/OR Invert Gate	14-Dip	.84	.63	.48
CD4085BPWR	296-14143-1-ND	Dual 2-Wide/2-In AND/OR Invert Gate	14-TSSOP	.84	.63	.48
CD4085BPWR	296-14143-2-ND	Dual 2-Wide/2-In AND/OR Invert Gate	14-TSSOP		558.00/2,000	
CD4086BE	296-14281-5-ND	Expandable 4-Wide/2-Input AND/OR Invert Gate	14-Dip	.92	.69	.52
CD4089BE	296-2165-5-ND	Binary Rate Multiplier	16-Dip	1.20	1.00	.80
CD4089BPWR	296-3523-1-ND	Binary Rate Multiplier	16-TSSOP	1.20	1.00	.80
CD4089BPWR	296-3523-2-ND	Binary Rate Multiplier	16-TSSOP		1064.00/2,000	
CD4093BE	296-2068-5-ND	Quad 2-Input NAND Schmitt Trigger	14-Dip	.55	.44	.33
CD4093BM	296-3524-5-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC	.55	.44	.33
CD4093BNSR	296-14145-1-ND	Quad 2-Input NAND Schmitt Trigger	14-SOP	.50	.40	.30
CD4093BNSR	296-14145-2-ND	Quad 2-Input NAND Schmitt Trigger	14-SOP		308.00/2,000	
CD4093BPW	296-14146-5-ND	Quad 2-Input NAND Schmitt Trigger	14-TSSOP	.55	.44	.33
CD4093BPWR	296-13873-1-ND	Quad 2-Input NAND Schmitt Trigger	14-TSSOP	.50	.40	.30
CD4093BPWR	296-13873-2-ND	Quad 2-Input NAND Schmitt Trigger	14-TSSOP		308.00/2,000	
CD4094BE	296-2069-5-ND	8-Bit Shift Register with Latch	16-Dip	.52	.39	.30
CD4094BPWR	296-13860-1-ND	8-Bit Shift Register with Latch	16-TSSOP	.55	.44	.33
CD4094BPWR	296-13860-2-ND	8-Bit Shift Register with Latch	16-TSSOP		308.00/2,000	
CD4097BE	296-3525-5-ND	Dual 8-Channel Analog Mux/Demux	24-Dip	1.88	1.50	1.13
CD4098BE	296-3526-5-ND	Dual Monostable Multivibrator	16-Dip	.53	.40	.30
CD4098BM	296-16736-5-ND	Dual Monostable Multivibrator	16-SOIC	.48	.36	.27
CD4099BE	296-2070-5-ND	8-Bit Addressable Latch	16-Dip	.53	.40	.30
CD4099BPWR	296-9407-1-ND	8-Bit Addressable Latch	16-TSSOP	.48	.36	.27
CD4099BPWR	296-9407-2-ND	8-Bit Addressable Latch	16-TSSOP		320.00/2,000	
CD4502BE	296-2165-5-ND	CMOS Strobed Hex Inverter/Buffer	16-Dip	.48	.36	.27
CD4502BNSR	296-14148-1-ND	Strobed Hex Inverter/Buffer	16-SOP	.48	.36	.27
CD4502BNSR	296-14148-2-ND	Strobed Hex Inverter/Buffer	16-SOP		320.00/2,000	
CD4503BE	296-2071-5-ND	Tri-State Hex Buffer	16-Dip	.53	.40	.30
CD4504BE	296-3527-5-ND	Hex Voltage-Level Shifter	16-Dip	.80	.60	.45
CD4504BM96	296-14150-1-ND	Hex Voltage-Level Shifter	16-SOIC	.80	.60	.45
CD4504BM96	296-14150-2-ND	Hex Voltage-Level Shifter	16-SOIC		650.00/2,500	
CD4504BPWR	296-12010-1-ND	Hex Voltage-Level Shifter	16-TSSOP	.80	.60	.45
CD4504BPWR	296-12010-2-ND	Hex Voltage-Level Shifter	16-TSSOP		532.00/2,000	
CD4508BE	296-14151-5-ND	Dual 4-Bit Latch	24-Dip	1.55	1.24	.93
CD4510BNSR	296-14152-1-ND	BCD Presettable Up/Down Counter	16-SOP	.52	.39	.30
CD4510BNSR	296-14152-2-ND	BCD Presettable Up/Down Counter	16-SOP		346.00/2,000	
CD4510BPWR	296-14153-1-ND	BCD Presettable Up/Down Counter	16-TSSOP	.52	.39	.30
CD4510BPWR	296-14153-2-ND	BCD Presettable Up/Down Counter	16-TSSOP		346.00/2,000	

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
D4511BE	296-2072-5-ND	BCD-to-7 Segment LED Latch/Decoder/Driver	16-Dip	.65	.52	.39
D4511BNSR	296-3528-1-ND	BCD-to-7 Segment LED Latch/Decoder/Driver	16-SOP	.48	.36	.27
D4511BNSR	296-3528-2-ND	BCD-to-7 Segment LED Latch/Decoder/Driver	16-SOP		320.00/2,000	
D4511BPWR	296-3529-1-NO	BCD-to-7 Segment LED Latch/Decoder/Driver	16-TSSOP	.48	.36	.27
D4511BPWR	296-3529-2-ND	BCD-to-7 Segment LED Latch/Decoder/Driver	16-TSSOP		336.00/2,000	
D4512BE	296-2073-5-ND	8-Channel Data Selector	16-Dip	.52	.39	.30
D4512BM96	296-16676-1-ND	8-Channel Data Selector	16-SOIC	.55	.44	.33
D4512BM96	296-16676-2-ND	8-Channel Data Selector	16-SOIC		372.50/2,500	
D4514BE	296-2074-5-ND	4-Bit Latch/Line Decoder	24-Dip	1.14	.80	.76
D4514BM	296-14282-5-ND	4-Bit Latch/Line Decoder	24-SOIC	.80	.60	.45
D4515BE	296-2168-5-ND	4-Bit Latch/Line Decoder	24-Dip	.90	.75	.60
D4515BM	296-14284-5-ND	4-Bit Latch/Line Decoder	24-SOIC	.80	.60	.45
D4516BE	296-2075-5-ND	Binary Up/Down Counter	16-Dip	.64	.48	.36
D4516BPWR	296-3530-1-ND	Binary Up/Down Counter	16-TSSOP	.64	.48	.36
D4516BPWR	296-3530-2-ND	Binary Up/Down Counter	16-TSSOP		426.00/2,000	
D4517BE	296-14285-5-ND	Dual 64-Stage Static Shift Register	16-Dip	1.25	1.00	.75
D4518BE	296-2076-5-ND	Dual BCD Up Counter	16-Dip	.53	.40	.30
D4518BNSR	296-14157-1-ND	Dual BCD Up Counter	16-SOP	.48	.36	.27
D4518BNSR	296-14157-2-ND	Dual BCD Up Counter	16-SOP		320.00/2,000	
D4520BE	296-2077-5-ND	Dual Binary Up Counter	16-Dip	.48	.36	.27
D4521BE	296-14158-5-ND	24-Stage Frequency Divider	16-Dip	.76	.57	.43
D4522BE	296-3531-5-ND	Programmable BCD Divide-by-N Counter	16-Dip	.53	.40	.30
D4527BE	296-3532-5-ND	BCD Rate Multiplier	16-Dip	.64	.48	.36
D4527BNSR	296-14159-1-ND	BCD Rate Multiplier	16-SOP	.56	.42	.32
D4527BNSR	296-14159-2-ND	BCD Rate Multiplier	16-SOP		372.00/2,000	
D4527BPWR	296-14160-1-ND	BCD Rate Multiplier	16-TSSOP	.56	.42	.32
D4527BPWR	296-14160-2-ND	BCD Rate Multiplier	16-TSSOP		372.00/2,000	
D4532BE	296-3533-5-ND	8-Bit Priority Encoder	16-Dip	.48	.36	.27
D4532BPWR	296-14161-1-ND	8-Bit Priority Encoder	16-TSSOP	.48	.36	.27
D4532BPWR	296-14161-2-ND	8-Bit Priority Encoder	16-TSSOP		320.00/2,000	
D4536BE	296-3534-5-ND	CMOS Programmable Timer	16-Dip	.72	.54	.41
D4536BNSR	296-14304-1-ND	CMOS Programmable Timer	16-SOP	.64	.48	.36
D4536BNSR	296-14304-2-ND	CMOS Programmable Timer	16-SOP		426.00/2,000	
D4541BE	296-2078-5-ND	Programmable Timer	14-Dip	.55	.44	.33
D4541BM	296-3535-5-ND	Programmable Timer	14-SOIC	.55	.44	.33
D4541BM96	296-3536-1-ND	Programmable Timer	14-SOIC	.55	.44	.33
D4541BM96	296-3536-2-ND	Programmable Timer	14-SOIC		372.50/2,500	
D4543BE	296-2079-5-ND	BCD to 7-Segment Decoder Driver	16-Dip	.48	.36	.27
D4543BPWR	296-17106-1-ND	BCD to 7-Segment Decoder Driver	16-TSSOP	.48	.36	.27
D4543BPWR	296-17106-2-ND	BCD to 7-Segment Decoder Driver	16-TSSOP		320.00/2,000	
D4555BE	296-14286-5-ND	Dual Binary to 1-of-4 Decoder/Demux	16-Dip	.32	.42	.32
D4556BE	296-3537-5-ND	Dual Binary to 1-of-4 Decoder/Demux	16-Dip	.72	.54	.41
D4572UBE	296-14287-5-ND	Hex Inverting Buffer Gate	14-Dip	.99	.83	.66
D4585BE	296-2080-5-ND	4-Bit Magnitude Comparator	16-Dip	.72	.54	.41
D4724BE	296-2169-5-ND	8-Bit Addressable Latch	16-Dip	.80	.60	.45
D4724BPWR	296-14162-1-ND	8-Bit Addressable Latch	16-TSSOP	.80	.60	.45
D4724BPWR	296-14162-2-ND	8-Bit Addressable Latch	16-TSSOP		532.00/2,000	
D14538BE	296-14074-5-ND	Dual Precision Monostable Multivibrator	16-Dip	.80	.60	.45
D14538BNSR	296-14075-1-ND	Dual Precision Monostable Multivibrator	16-SOP	.80	.60	.45
D14538BNSR	296-14075-2-ND	Dual Precision Monostable Multivibrator	16-SOP		532.00/2,000	
D14538BPWR	296-12018-1-ND	CMOS Dual Precision Monostable Multivibrator	16-TSSOP	.80	.60	.45
D14538BPWR	296-12018-2-ND	CMOS Dual Precision Monostable Multivibrator	16-TSSOP		532.00/2,000	
D40102BE	296-14079-5-ND	2-Decade BCD 8-Stage Sync. Down Counter	16-Dip	.96	.80	.64
D40102BPWR	296-14241-1-ND	2-Decade BCD 8-Stage Sync. Down Counter	16-TSSOP	.96	.80	.64
D40102BPWR	296-14241-2-ND	2-Decade BCD 8-Stage Sync. Down Counter	16-TSSOP		852.00/2,000	
D40103BE	296-14080-5-ND	8-Bit Binary 8-Stage Sync. Down Counter	16-Dip	.96	.80	.64
D40105BE	296-14242-5-ND	CMOS FIFO Register	16-Dip	1.28	1.02	.77
D40106BE	296-3503-5-ND	Hex Schmitt Trigger	14-Dip	.50	.40	.30
D40106BM96	296-14081-1-ND	Hex Schmitt Trigger	14-SOIC	.50	.40	.30
D40106BM96	296-14081-2-ND	Hex Schmitt Trigger	14-SOIC		337.50/2,500	
D40106BPWR	296-14082-1-ND	Hex Schmitt Trigger	14-TSSOP	.50	.40	.30
D40106BPWR	296-14082-2-ND	Hex Schmitt Trigger	14-TSSOP		280.00/2,000	
D40107BE	296-3504-5-ND	Dual 2-Input NAND Buffer/Driver	8-Dip	.56	.42	.32
D40107BPSR	296-14083-1-ND	Dual 2-Input NAND Buffer/Driver	8-SOP	.56	.42	.32
D40107BPSR	296-14083-2-ND	Dual 2-Input NAND Buffer/Driver	8-SOP		372.00/2,000	
D40109BE	296-3505-5-ND	Quad Low-High Voltage Level Shifter	16-Dip	.80	.60	.45
D40109BPWR	296-12163-1-ND	Quad Low-High Voltage Level Shifter	16-TSSOP	1.14	.95	.76
D40109BPWR	296-12163-2-ND	Quad Low-High Voltage Level Shifter	16-TSSOP		532.00/2,000	
D40110BE	296-3506-5-ND	Decade Up-Down Counter/Latch/Display Driver	16-Dip	1.50	1.20	.90
D40117BE	296-14244-5-ND	Programmable Dual 4-Bit Terminator	14-Dip	.96	.72	.54
D40147BE	296-14247-5-ND	10-4 BCD Priority Encoder	16-Dip	1.14	.95	.76
D40161BE	296-2170-5-ND	Synchronous 4-Bit Binary Counter	16-Dip	.56	.42	.32
D40161BNSR	296-14091-1-ND	Synchronous 4-Bit Binary Counter	16-SOP	.56	.42	.32
D40161BNSR	296-14091-2-ND	Synchronous 4-Bit Binary Counter	16-SOP		372.00/2,000	
D40161BPWR	296-14249-1-ND	Synchronous 4-Bit Binary Counter	16-TSSOP	.56	.42	.32
D40161BPWR	296-14249-2-ND	Synchronous 4-Bit Binary Counter	16-TSSOP		372.00/2,000	
D40174BE	296-3508-5-ND	Hex D-Type Flip-Flop	16-Dip	.52	.39	.30
D40175BE	296-14251-5-ND	Quad D-Type Flip-Flop	16-Dip	.48	.36	.27
D40175BPWR	296-14093-1-ND	Quad D-Type Flip-Flop	16-TSSOP	.48	.36	.27
D40175BPWR	296-14093-2-ND	Quad D-Type Flip-Flop	16-TSSOP		320.00/2,000	
D40192BE	296-3509-5-ND	Presettable Up/Down BCD Counter (Dual Clock with Reset)	16-Dip	.56	.42	.32
D40192BNSR	296-14096-1-ND	Presettable Up/Down Counter	16-SOP	.56	.42	.32
D40192BNSR	296-14096-2-ND	Presettable Up/Down Counter	16-SOP		372.00/2,000	
D40193BE	296-3510-5-ND	Presettable Up/Down Binary Counter (Dual Clock with Reset)	16-Dip	.72	.54	.41
D40193BPWR	296-14253-1-ND	Presettable Up/Down Binary Counter (Dual Clock with Reset)	16-TSSOP	.64	.48	.36
D40193BPWR	296-14253-2-ND	Presettable Up/Down Binary Counter (Dual Clock with Reset)	16-TSSOP		426.00/2,000	
D40194BE	296-14254-5-ND	4-Bit Bidirectional Univ. Shift Register	16-Dip	.78	.65	.52
D40257BE	296-14259-5-ND	Quad 2-1 Data Selector/Multiplexer	16-Dip	.80	.60	.45

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ABT Family						
CABT16245AMDLREP	296-19490-1-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP	4.50	3.60	2.80
CABT16245AMDLREP	296-19490-2-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP		2550.00/1,000	
SN74ABT125D	296-1019-5-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.64	.48	.36
SN74ABT125DR	296-1019-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.64	.48	.36
SN74ABT125DR	296-1019-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		520.00/2,500	
SN74ABT125DBR	296-3875-1-ND	Tri-State Quad Bus Buffer Gate	14-SSOP	.64	.48	.36
SN74ABT125DBR	296-3875-2-ND	Tri-State Quad Bus Buffer Gate	14-SSOP		426.00/2,000	
SN74ABT125N	296-3876-5-ND	Tri-State Quad Bus Buffer Gate	14-Dip	.64	.48	.36
SN74ABT125PWR	296-3877-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.70	.53	.40
SN74ABT125PWR	296-3877-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		468.00/2,000	
SN74ABT125RGYR	296-13888-1-ND	Tri-State Quad Bus Buffer Gate	14-QFN	.80	.60	.45
SN74ABT125RGYR	296-13888-2-ND	Tri-State Quad Bus Buffer Gate	14-QFN		266.00/1,000	
SN74ABT126D	296-1020-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.64	.48	.36
SN74ABT126DR	296-1020-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		520.00/2,500	
SN74ABT126DBR	296-3878-1-ND	Tri-State Quad Bus Buffer Gate	14-SSOP	.64	.48	.36
SN74ABT126DBR	296-3878-2-ND	Tri-State Quad Bus Buffer Gate	14-SSOP		426.00/2,000	
SN74ABT126N	296-3879-5-ND	Tri-State Quad Bus Buffer Gate	14-Dip	.64	.48	.36
SN74ABT126PWR	296-3880-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.70	.53	.40
SN74ABT126PWR	296-3880-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		468.00/2,000	
SN74ABT126RGYR	296-13889-1-ND	Tri-State Quad Bus Buffer Gate	14-QFN	.80	.60	.45
SN74ABT126RGYR	296-13889-2-ND	Tri-State Quad Bus Buffer Gate	14-QFN		266.00/1,000	
SN74ABT240ADBR	296-3959-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.88	.66	.50
SN74ABT240ADBR	296-3959-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		586.00/2,000	
SN74ABT240ADW	296-3960-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.88	.66	.50
SN74ABT240ADWR	296-14662-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.88	.66	.50
SN74ABT240ADWR	296-14662-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		586.00/2,000	
SN74ABT240AN	296-3961-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.88	.66	.50
SN74ABT240APWR	296-3962-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.88	.66	.50
SN74ABT240APWR	296-3962-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		586.00/2,000	
SN74ABT241ADBR	296-3963-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.88	.66	.50
SN74ABT241ADBR	296-3963-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		586.00/2,000	
SN74ABT241ADW	296-3964-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.88	.66	.50
SN74ABT241ADWR	296-14663-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.88	.66	.50
SN74ABT241ADWR	296-14663-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		586.00/2,000	
SN74ABT241AN	296-3965-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.88	.66	.50
SN74ABT241APWR	296-3966-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.88	.66	.50
SN74ABT241APWR	296-3966-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		586.00/2,000	
SN74ABT244ADBR	296-1037-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.80	.60	.45
SN74ABT244ADBR	296-1037-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		532.00/2,000	
SN74ABT244ADW	296-1038-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.80	.60	.45
SN74ABT244ADWR	296-1038-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.80	.60	.45
SN74ABT244ADWR	296-1038-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		532.00/2,000	
SN74ABT244AN	296-3967-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.80	.60	.45
SN74ABT244ANSR	296-15878-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.80	.60	.45
SN74ABT244ANSR	296-15878-2-ND	Tri-State Octal Buffer/Driver	20-SOP		532.00/2,000	
SN74ABT244APWR	296-3969-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.80	.60	.45
SN74ABT244APWR	296-3968-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		532.00/2,000	
SN74ABT245BDBR	296-1039-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.72	.54	.41
SN74ABT245BDBR	296-1039-2-ND	Tri-State Octal Bus Transceiver	20-SSOP		478.00/2,000	
SN74ABT245BDGVR	296-3969-1-ND	Tri-State Octal Bus Transceiver	20-TVSOP	.80	.60	.45
SN74ABT245BDGVR	296-3969-2-ND	Tri-State Octal Bus Transceiver	20-TVSOP		532.00/2,000	
SN74ABT245BDW	296-1040-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.72	.54	.41
SN74ABT245BDWR	296-1040-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.72	.54	.41
SN74ABT245BDWR	296-1040-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		478.00/2,000	
SN74ABT245BGQNR	296-12461-1-ND	Tri-State Octal Bus Transceiver	20-VFBGA	1.14	.95	.76
SN74ABT245BGQNR	296-12461-2-ND	Tri-State Octal Bus Transceiver	20-VFBGA		505.00/1,000	
SN74ABT245BN	296-3970-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.72	.54	.41
SN74ABT245BNSR	296-15879-1-ND	Tri-State Octal Bus Transceiver	20-SOP	.72	.54	.41
SN74ABT245BNSR	296-15879-2-ND	Tri-State Octal Bus Transceiver	20-SOP		478.00/2,000	
SN74ABT245BPWR	296-3971-1-ND	Tri-State Octal Bus Transceiver	20-TSSOP	.72	.54	.41
SN74ABT245BPWR	296-3971-2-ND	Tri-State Octal Bus Transceiver	20-TSSOP		478.00/2,000	
SN74ABT245BRGYR	296-13890-1-ND	Tri-State Octal Bus Transceiver	20-QFN	.88	.66	.50
SN74ABT245BRGYR	296-13890-2-ND	Tri-State Octal Bus Transceiver	20-QFN		293.00/1,000	
SN74ABT273DBR	296-1041-1-ND	Octal D-Type Flip-Flop	20-SSOP	.80	.60	.45
SN74ABT273DBR	296-1041-2-ND	Octal D-Type Flip-Flop	20-SSOP		532.00/2,000	
SN74ABT273DW	296-1042-5-ND	Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74ABT273DWR	296-1042-1-ND	Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74ABT273DWR	296-1042-2-ND	Octal D-Type Flip-Flop	20-SOIC		532.00/2,000	
SN74ABT273N	296-3972-5-ND	Octal D-Type Flip-Flop	20-Dip	.80	.60	.45
SN74ABT273PWR	296-3973-1-ND	Octal D-Type Flip-Flop	20-TSSOP	.80	.50	.45
SN74ABT273PWR	296-3973-2-ND	Octal D-Type Flip-Flop	20-TSSOP		532.00/2,000	
SN74ABT373DBR	296-4002-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SSOP	.80	.60	.45
SN74ABT373DBR	296-4002-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SSOP		532.00/2,000	
SN74ABT373DW	296-1043-5-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.80	.60	.45
SN74ABT373DWR	296-1043-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.80	.60	.45
SN74ABT373DWR	296-1043-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC		532.00/2,000	
SN74ABT373N	296-4003-5-ND	Tri-St. Octal Transparent D-Type Latch	20-Dip	.88	.66	.50
SN74ABT373NSR	296-15880-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP	.80	.60	.45
SN74ABT373NSR	296-15880-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP		532.00/2,000	
SN74ABT373PWR	296-4004-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.80	.60	.45
SN74ABT373PWR	296-4004-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP		532.00/2,000	
SN74ABT374ADBR	296-4005-1-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP	.80	.60	.45
SN74ABT374ADBR	296-4005-2-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP		532.00/2,000	
SN74ABT374ADW	296-1044-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74ABT374ADWR	296-1044-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74ABT374ADWR	296-1044-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		532.00/2,000	
SN74ABT374AN	296-4006-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.80	.60	.45
SN74ABT374APWR	296-4007-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.80	.60	.45
SN74ABT374APWR	296-4007-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP		532.00/2,000	
SN74ABT377ADBR	296-4008-1-ND	Octal D-Type Flip-Flop w/Clock Enable	20-SSOP	.80	.60	.45
SN74ABT377ADBR	296-4008-2-ND	Octal D-Type Flip-Flop w/Clock Enable	20-SSOP		532.00/2,000	
SN74ABT377ADWR	296-4009-1-ND	Octal D-Type Flip-Flop w/Clock Enable	20-SOIC	.80	.60	.45
SN74ABT377ADWR	296-4009-2-ND	Octal D-Type Flip-Flop w/Clock Enable	20-SOIC		532.00/2,000	
SN74ABT377AN	296-4010-5-ND	Octal D-Type Flip-Flop w/Clock Enable	20-Dip	.80	.60	.45
SN74ABT377APWR	296-4011-1-ND	Octal D-Type Flip-Flop w/Clock Enable	20-TSSOP	.80	.50	.45
SN74ABT377APWR	296-4011-2-ND	Octal D-Type Flip-Flop w/Clock Enable	20-TSSOP		532.00/2,000	
SN74ABT533ADBR	296-4012-1-ND	Tri-State Transparent D-Type Latch	20-SSOP	.80	.60	.45
SN74ABT533ADBR	296-4012-2-ND	Tri-State Transparent D-Type Latch	20-SSOP		532.00/2,000	
SN74ABT533ADW	296-4013-5-ND	Tri-State Transparent D-Type Latch	20-SOIC	.80	.60	.45
SN74ABT533ADWR	296-4013-1-ND	Tri-State Transparent D-Type Latch	20-SOIC	.80	.60	.45

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ABTE Family						
SN74ABTE16245DGGR	296-9755-1-ND	Tri-State 16-Bit Incident-Wave Bus Transceiver	48-TSSOP	8.10	6.48	5.47
SN74ABTE16245DGGR	296-9755-2-ND	Tri-State 16-Bit Incident-Wave Bus Transceiver	48-TSSOP		1032B.00/2,000	
SN74ABTE16245DL	296-9756-5-ND	Tri-State 16-Bit Incident-Wave Bus Transceiver	48-SSOP	8.10	6.48	5.47
SN74ABTE16246DGGR	296-4119-1-ND	Tri-State 11-Bit Incident-Wave Bus Transceiver	48-TSSOP	9.50	7.60	6.42
SN74ABTE16246DGGR	296-4119-2-ND	Tri-State 11-Bit Incident-Wave Bus Transceiver	48-TSSOP		1187B.00/2,000	
SN74ABTE16246DL	296-4120-5-ND	Tri-State 11-Bit Incident-Wave Bus Transceiver	48-SSOP	9.50	7.60	6.42
SN74ABTE16246DLR	296-4120-1-ND	Tri-State 11-Bit Incident-Wave Bus Transceiver	48-SSOP	9.50	7.60	6.42
SN74ABTE16246DLR	296-4120-2-ND	Tri-State 11-Bit Incident-Wave Bus Transceiver	48-SSOP		5938.00/1,000	
ABTH Family						
SN74ABTH245DBR	296-4138-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.84	.63	.48
SN74ABTH245DBR	296-4138-2-ND	Tri-State Octal Bus Transceiver	20-SSOP		558.00/2,000	
SN74ABTH245DGVR	296-4139-1-ND	Tri-State Octal Bus Transceiver	20-TVSOP	.92	.69	.52
SN74ABTH245DGVR	296-4139-2-ND	Tri-State Octal Bus Transceiver	20-TVSOP		612.00/2,000	
SN74ABTH245DWR	296-4140-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.84	.63	.48
SN74ABTH245DWR	296-4140-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		558.00/2,000	
SN74ABTH245N	296-4141-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.84	.63	.48
SN74ABTH245PWR	296-4142-1-ND	Tri-State Octal Bus Transceiver	20-TSSOP	.84	.63	.48
SN74ABTH245PWR	296-4142-2-ND	Tri-State Octal Bus Transceiver	20-TSSOP		558.00/2,000	
SN74ABTH25245DW	296-4143-5-ND	Tri-State 25-Ohm Octal Bus Transceiver	24-SOIC	4.93	3.95	3.07
SN74ABTH25245NT	296-4144-5-ND	Tri-State 25-Ohm Octal Bus Transceiver	24-Dip	4.93	3.95	3.07
SN74ABTH32245PZ	296-4145-ND	Tri-State 36-Bit Bus Transceiver	100-LQFP	15.00	14.00	13.00
SN74ABTH32316PN	296-4146-ND	Tri-Port 16-Bit Univ. Bus Exchanger	80-TQFP	15.54	14.51	13.48
SN74ABTH32543PZ	296-4147-ND	Tri-State 36-Bit Registered Bus Transceiver	100-LQFP	15.75	14.70	13.65
SN74ABTH16244DGGR	296-4122-1-ND	Tri-State 16-Bit Bus Buffer/Driver	48-TSSOP	1.20	1.00	.80
SN74ABTH16244DGGR	296-4122-2-ND	Tri-State 16-Bit Bus Buffer/Driver	48-TSSOP		1064.00/2,000	
SN74ABTH16244DL	296-4123-5-ND	Tri-State 16-Bit Bus Buffer/Driver	48-SSOP	1.20	1.00	.80
SN74ABTH16244DLR	296-4123-1-ND	Tri-State 16-Bit Bus Buffer/Driver	48-SSOP	1.20	1.00	.80
SN74ABTH16244DLR	296-4123-2-ND	Tri-State 16-Bit Bus Buffer/Driver	48-SSOP		532.00/1,000	
SN74ABTH16245DGGR	296-4124-1-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP	1.20	1.00	.80
SN74ABTH16245DGGR	296-4124-2-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP		1064.00/2,000	
SN74ABTH16245DGVR	296-4125-1-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP	1.20	1.00	.80
SN74ABTH16245DGVR	296-4125-2-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP		1064.00/2,000	
SN74ABTH16245DL	296-4126-5-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP	1.20	1.00	.80
SN74ABTH16260DL	296-1446-5-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-SSOP	7.70	6.16	5.20
SN74ABTH16260DLR	296-1446-1-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-SSOP	7.70	6.16	5.20
SN74ABTH16260DLR	296-1446-2-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-SSOP		4813.00/1,000	
SN74ABTH16460DGGR	296-4127-1-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-TSSOP	7.70	6.16	5.20
SN74ABTH16460DGGR	296-4127-2-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-TSSOP		9626.00/2,000	
SN74ABTH16460DL	296-4128-5-ND	Tri-State 12-24 Bit Mux D-Type Latch	56-SSOP	7.70	6.16	5.20
SN74ABTH16823DGGR	296-4129-1-ND	Tri-State 18-Bit Bus-Interface Flip-Flop	56-TSSOP	5.20	4.16	3.51
SN74ABTH16823DGGR	296-4129-2-ND	Tri-State 18-Bit Bus-Interface Flip-Flop	56-TSSOP		6500.00/2,000	
SN74ABTH16823DLR	296-4130-1-ND	Tri-State 18-Bit Bus-Interface Flip-Flop	56-SSOP	5.20	4.16	3.51
SN74ABTH16823DLR	296-4130-2-ND	Tri-State 18-Bit Bus-Interface Flip-Flop	56-SSOP		3250.00/1,000	
SN74ABTH32318PN	296-1447-5-ND	18-Bit Tri-Port Univ Bus Exchange	80-TQFP	14.58	13.13	11.64
SN74ABTH32501PZ	296-1448-5-ND	36-Bit Bus Transceiver	100-LQFP	16.50	15.40	14.30
SN74ABTH162245DGGR	296-1050-1-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP	1.29	1.08	.86
SN74ABTH162245DGGR	296-1050-2-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP		1144.00/2,000	
SN74ABTH162245DGVR	296-4121-1-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP	1.29	1.08	.86
SN74ABTH162245DGVR	296-4121-2-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP		1144.00/2,000	
SN74ABTH162245DL	296-1445-5-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP	1.29	1.08	.86
SN74ABTH162260DLR	296-1051-1-ND	12-24-Bit Mux D-Type Latch	56-SSOP	5.56	4.45	3.46
SN74ABTH162260DLR	296-1051-2-ND	Tri-State 12-24 Bit Mux. D-Type Latch	56-SSOP		3149.00/1,000	
SN74ABTH182502APM	296-4131-ND	Scan Test Device with 18-Bit Universal Bus Transceiver	64-LQFP	15.44	13.90	12.33
SN74ABTH182504APM	296-4132-ND	Scan Test Device with 20-Bit Universal Bus Transceiver	64-LQFP	15.44	13.90	12.33
SN74ABTH182646APM	296-4133-ND	Scan Test Device with 18-Bit Transceiver/Register	64-LQFP	15.09	14.09	13.08
SN74ABTH18502APM	296-4134-ND	Scan Test Device with 18-Bit Universal Bus Transceiver	64-LQFP	15.44	13.90	12.33
SN74ABTH18502APMR	296-14683-1-ND	Scan Test Device with 18-Bit Universal Bus Transceiver	64-LQFP	15.44	13.90	12.33
SN74ABTH18502APMR	296-14683-2-ND	Scan Test Device with 18-Bit Universal Bus Transceiver	64-LQFP		1144.00/1,000	
SN74ABTH18504APM	296-4135-ND	Scan Test Device with 20-Bit Universal Bus Transceiver	64-LQFP	15.44	13.90	12.33
SN74ABTH18646APM	296-4136-ND	Scan Test Device with 18-Bit Transceiver/Register	64-LQFP	13.74	12.38	10.98
SN74ABTH18652APM	296-4137-ND	Scan Test Device with 18-Bit Transceiver/Register	64-LQFP	13.74	12.38	10.98
SN74ABTH25245DWR	296-14684-1-ND	Tri-St. 25-Ohm Octal Bus Transceiver	24-SOIC	4.93	3.95	3.07
SN74ABTH25245DWR	296-14684-2-ND	Tri-St. 25-Ohm Octal Bus Transceiver	24-SOIC		5584.00/2,000	
ABTR Family						
SN74ABTR2245DBR	296-4148-1-ND	Tri-State Octal Transceiver/Line/Memory Driver	20-SSOP	.84	.63	.48
SN74ABTR2245DBR	296-4148-2-ND	Tri-State Octal Transceiver/Line/Memory Driver	20-SSOP		558.00/2,000	
SN74ABTR2245DW	296-4149-5-ND	Tri-State Octal Transceiver/Line/Memory Driver	20-SOIC	.84	.63	.48
SN74ABTR2245PWR	296-4150-1-ND	Tri-State Octal Transceiver/Line/Memory Driver	20-TSSOP	.84	.63	.48
SN74ABTR2245PWR	296-4150-2-ND	Tri-State Octal Transceiver/Line/Memory Driver	20-TSSOP		558.00/2,000	
AC Family						
74AC11004DW	296-4152-5-ND	Hex Inverter	20-SOIC	1.50	1.20	.90
74AC11004DWR	296-4152-1-ND	Hex Inverter	20-SOIC	1.50	1.20	.90
74AC11004DWR	296-4152-2-ND	Hex Inverter	20-SOIC		1580.00/2,000	
74AC11004N	296-4153-5-ND	Hex Inverter	20-Dip	1.50	1.20	.90
74AC11008N	296-4154-5-ND	Quad 2-Input Positive AND Gate	16-Dip	1.50	1.20	.90
74AC11008PWR	296-4155-1-ND	Quad 2-Input Positive AND Gate	16-TSSOP	1.50	1.20	.90
74AC11008PWR	296-4155-2-ND	Quad 2-Input Positive AND Gate	16-TSSOP		1580.00/2,000	
74AC11032D	296-4156-5-ND	Quad 2-Input OR Gate	16-SOIC	1.50	1.20	.90
74AC11032DBR	296-4157-1-ND	Quad 2-Input OR Gate	16-SSOP	1.50	1.20	.90
74AC11032DBR	296-4157-2-ND	Quad 2-Input OR Gate	16-SSOP		1560.00/2,000	
74AC11032N	296-4158-5-ND	Quad 2-Input OR Gate	16-Dip	1.50	1.20	.90
74AC11074D	296-4159-5-ND	Dual D-Type Flip-Flop	14-SOIC	1.50	1.20	.90
74AC11074PWR	296-4160-1-ND	Dual D-Type Flip-Flop	14-TSSOP	1.50	1.20	.90
74AC11074PWR	296-4160-2-ND	Dual D-Type Flip-Flop	14-TSSOP		1560.00/2,000	
74AC11086D	296-4161-5-ND	Quad 2-Input Exclusive OR Gate	16-SOIC	1.50	1.20	.90
74AC11138N	296-4162-5-ND	3-8 Decoder/Demultiplexer	16-Dip	1.75	1.40	1.05
74AC11138PWR	296-4163-1-ND	3-8 Decoder/Demultiplexer	16-TSSOP	1.75	1.40	1.05
74AC11138PWR	296-4163-2-ND	3-8 Decoder/Demultiplexer	16-TSSOP		1820.00/2,000	
74AC11240DBR	296-4167-1-ND	Octal Buffer/Line Driver	24-SSOP	2.34	1.88	1.46
74AC11240DBR	296-4167-2-ND	Octal Buffer/Line Driver	24-SSOP		2652.00/2,000	
74AC11244DBR	296-4168-1-ND	Octal Buffer/Line Driver	24-SSOP	2.34	1.88	1.46
74AC11244DBR	296-4168-2-ND	Octal Buffer/Line Driver	24-SSOP		2652.00/2,000	
74AC11244DW	296-4169-5-ND	Octal Buffer/Line Driver	24-SOIC	2.34	1.88	1.46
74AC11244PWR	296-1000-1-ND	Octal Buffer/Line Driver	24-TSSOP	2.34	1.88	1.46
74AC11244PWR	296-1000-2-ND	Octal Buffer/Line Driver	24-TSSOP		2652.00/2,000	
74AC11245DW	296-4170-5-ND	Octal Bus Transceiver	24-SOIC	2.34	1.88	1.46
74AC16244DGGR	296-15845-1-ND	16-Bit Buffer/Line Driver	48-TSSOP	1.38	1.10	.83
74AC16244DGGR	296-15845-2-ND	16-Bit Buffer/Line Driver	48-TSSOP		1430.00/2,000	
74AC16244DL	296-4173-5-ND	16-Bit Buffer/Line Driver	48-SSOP	1.38	1.10	.83
74AC16244DLR	296-14452-1-ND	16-Bit Buffer/Line Driver	48-SSOP	1.38	1.10	.83
74AC16244DLR	296-14452-2-ND	16-Bit Buffer/Line Driver	48-SSOP		715.00/1,000	
74AC16245DL	296-4174-5-ND	16-Bit Bus Transceiver	48-SSOP	1.50	1.20	.90
74AC16374DLR	296-14453-1-ND	Tri-State 16-Bit D-Type Flip-Flop	48-SSOP	1.38	1.10	.83
74AC16374DLR	296-14453-2-ND	Tri-State 16-Bit D-Type Flip-Flop	48-SSOP		715.00/1,000	
CD74AC00E	296-4214-5-ND	Quad 2-Input NAND Gate	14-Dip	.60	.45	.34
CD74AC00M	296-4215-5-ND	Quad 2-Input NAND Gate	14-SOIC	.56	.42	.32
CD74AC00M96	296-4215-1-ND	Quad 2-Input NAND Gate	14-SOIC	.56	.42	.32
CD74AC00M96	296-4215-2-ND	Quad 2-Input NAND Gate	14-SOIC		455.00/2,500	
CD74AC02M96	296-4216-1-ND	Quad 2-Input NOR Gate	14-SOIC	.56	.42	.32
CD74AC02M96	296-4216-2-ND	Quad 2-Input NOR Gate	14-SOIC		455.00/2,500	
CD74AC04E	296-4217-5-ND	Hex Inverter	14-Dip	.60	.45	.34
CD74AC04M96	296-4218-1-ND	Hex Inverter	14-SOIC	.56	.42	.32
CD74AC04M96	296-4218-2-ND	Hex Inverter	14-SOIC		455.00/2,500	
CD74AC05E	296-4219-5-ND	Hex Inverter	14-Dip	.60	.45	.34
CD74AC05M	296-4220-5-ND	Hex Inverter	14-SOIC	.56	.42	.32
CD74AC08M	296-1377-5-ND	Quad 2-Input AND Gate	14-SOIC	.56	.42	.32
CD74AC08M96	296-14477-1-ND	Quad 2-Input AND Gate	14-SOIC	.56	.42	.32
CD74AC08M96	296-14477-2-ND	Quad 2-Input AND Gate	14-SOIC		455.00/2,500	
CD74AC10M96	296-4222-1-ND	Triple 3-Input NAND Gate	14-SOIC	.56	.42	.32
CD74AC10M96	296-4222-2-ND	Triple 3-Input NAND Gate	14-SOIC		455.00/2,500	
CD74AC14M	296-1981-5-ND	Hex Inverter Schmitt Trigger	14-SOIC	.56	.42	.32
CD74AC14M96	296-1981-1-ND	Hex Inverter Schmitt Trigger	14-SOIC	.56	.42	.32
CD74AC14M96	296-1981-2-ND	Hex Inverter Schmitt Trigger	14-SOIC		455.00/2,500	
CD74AC20E	296-4237-5-ND	Dual 4-Input NAND Gate	14-Dip	.60	.45	.34
CD74AC20M	296-4238-5-ND	Dual 4-Input NAND Gate	14-SOIC	.56	.42	.32
CD74AC32M96	296-1985-1-ND	Quad 2-Input OR Gate	14-SOIC	.56	.42	.32
CD74AC32M96	296-1985-2-ND	Quad 2-Input OR Gate	14-SOIC		455.00/2,500	
CD74AC74M	296-4249-5-ND	Dual D-Type Flip-Flop with Set/Reset	14-SOIC	.56	.42	.32
CD74AC74M96	296-14484-1-ND	Dual D-Type Flip-Flop with Set/Reset	14-SOIC	.56	.42	.32
CD74AC74M96	296-14484-2-ND	Dual D-Type Flip-Flop with Set/Reset	14-SOIC		455.00/2,500	
CD74AC109M96	296-4221-1-ND	Dual JK Flip-Flop with Set/Reset	16-SOIC	.56	.42	.32
CD74AC109M96	296-4221-2-ND	Dual JK Flip-Flop with Set/Reset	16-SOIC		455.00/2,500	
CD74AC112E	296-4223-5-ND	Dual JK Flip-Flop with Set/Reset	16-Dip	.68	.51	.39
CD74AC112M	296-4224-5-ND	Dual JK Flip-Flop with Set/Reset	16-SOIC	.56	.42	.32
CD74AC138E	296-4225-5-ND	3-8 Line Decoder/Demultiplexer	16-Dip	.68	.51	.39
CD74AC138M	296-4226-5-ND	3-8 Life Decoder/Demultiplexer	16-SOIC	.56	.42	.32
CD74AC139M96	296-4227-1-ND	Dual 2-4 Line Decoder/Demultiplexer	16-SOIC	.60	.45	.34
CD74AC139M96	296-4227-2-ND	Dual 2-4 Line Decoder/Demultiplexer	16-SOIC		487.50/2,500	
CD74AC151M96	296-4228-1-ND	8-Input Multiplexer	16-SOIC	.76	.57	.43
CD74AC151M96	296-4228-2-ND	8-Input Multiplexer	16-SOIC		617.50/2,500	
CD74AC153M96	296-4229-1-ND	Dual 4-Input Multiplexer	16-SOIC	.76	.57	.43
CD74AC153M96	296-4229-2-ND	Dual 4-Input Multiplexer	16-SOIC		617.50/2,500	
CD74AC157E	296-4230-5-ND	Quad 2-Input Multiplexer	16-Dip	.72	.54	.41
CD74AC157M	296-4231-5-ND	Quad 2-Input Multiplexer	16-SOIC	.72	.54	.41
CD74AC161M	296-4232-5-ND	4-Bit Synchronous Binary Counter	16-SOIC	.72	.54	.41
CD74AC163E	296-4233-5-ND	4-Bit Synchronous Binary Counter	16-Dip	.68	.51	.39
CD74AC163M96	296-4234-1-ND	4-Bit Synchronous Binary Counter	16-SOIC	.64	.48	.36
CD74AC163M96	296-4234-2-ND	4-Bit Synchronous Binary Counter	16-SOIC		520.00/2,500	
CD74AC164E	296-4235-5-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-Dip	.68	.51	.39
CD74AC174E	296-4236-5-ND	Hex D-Type Flip-Flop with Reset	16-Dip	.68	.51	.39
CD74AC238M96	296-4239-1-ND	3-8 Line Decoder/Demux	16-SOIC	1.25	1.00	.75
CD74AC238M96	296-4239-2-ND	3-8 Line Decoder/Demux	16-SOIC		1600.00/2,500	
CD74AC240M	296-4240-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.80	.60	.45
CD74AC244M96	296-14479-1-ND	Tri-State Non-Inverting Octal Buffer/Line Driver	20-SOIC	.80	.60	.45
CD74AC244M96	296-14479-2-ND	Tri-State Non-Inverting Octal Buffer/Line Driver	20-SOIC		532.00/2,000	
CD74AC245M96	296-14480-1-ND	Tri-State Non-Inverting Octal Bus Transceiver	20-SOIC	.92	.69	.52
CD74AC245M96	296-14480-2-ND	Tri-State Non-Inverting Octal Bus Transceiver	20-SOIC		612.00/2,000	
CD74AC253M	296-4242-5-ND	Tri-State Dual 4-Input Mux	16-SOIC	.92	.69	.52
CD74AC257M	296-4243-5-ND	Tri-State Quad 2-Input Mux	16-SOIC	.78	.65	.52
CD74AC273E	296-1378-5-ND	Octal D-Type Flip-Flop with Reset	20-Dip	.75	.63	.50
CD74AC273M96	296-14481-1-ND	Octal D-Type Flip-Flop with Reset	20-SOIC	.75	.63	.50
CD74AC273M96	296-14481-2-ND	Octal D-Type Flip-Flop with Reset	20-SOIC		666.00/2,000	
CD74AC280E	296-4245-5-ND	9-Bit Odd/Even Parity-Generator/Checker	14-Dip	.96	.72	.54
CD74AC280M96	296-4246-1-ND	9-Bit Odd/Even Parity-Generator/Checker	14-SOIC	.88	.66	.50
CD74AC280M96	296-4246-2-ND	9-Bit Odd/Even Parity-Generator/Checker	14-SOIC		715.00/2,500	
CD74AC373M96	296-14482-1-ND	Tri-State Octal Transparent Latch	20-SOIC	.92	.69	.52
CD74AC373M96	296-14482-2-ND	Tri-State Octal Transparent Latch	20-SOIC		612.00/2,000	
CD74AC374M	296-9411-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.92	.69	.52
CD74AC534M96	296-4247-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.92	.69	.52
CD74AC534M96	296-4247-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		612.00/2,000	
CD74AC541E	296-4248-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.92	.69	.52
CD74AC541M96	296-16677-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.92	.69	.52
CD74AC541M96	296-16677-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		612.00/2,000	
CD74AC573E	296-1379-5-ND	Octal Transparent Latch	20-Dip	.92	.69	.52
CD74AC573M96	296-14483-1-ND	Octal Transparent Latch	20-SOIC	.92	.69	.52
CD74AC573M96	296-14483-2-ND	Octal Transparent Latch	20-SOIC		612.00/2,000	
SN74AC00D	296-1052-5-ND	Quad 2-Input NAND Gate	14-SOIC	.45	.36	.27

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SN74AHC74D	296-1105-5-ND	Dual D-Type F/F with Clear/Preset	14-SOIC	.46	.37	.26
SN74AHC74DR	296-1105-1-ND	Dual D-Type F/F with Clear/Preset	14-SOIC	.46	.37	.26
SN74AHC74DR	296-1105-2-ND	Dual D-Type F/F with Clear/Preset	14-SOIC		297.50/2,500	
SN74AHC74DBR	296-4621-1-ND	Dual D-Type F/F with Clear/Preset	14-SSOP	.46	.37	.26
SN74AHC74DBR	296-4621-2-ND	Dual D-Type F/F with Clear/Preset	14-SSOP		252.00/2,000	
SN74AHC74DGVR	296-4622-1-ND	Dual D-Type F/F with Clear/Preset	14-TVSOP	.50	.41	.28
SN74AHC74DGVR	296-4622-2-ND	Dual D-Type F/F with Clear/Preset	14-TVSOP		278.00/2,000	
SN74AHC74N	296-4623-5-ND	Dual D-Type F/F with Clear/Preset	14-Dip	.53	.42	.32
SN74AHC74PWR	296-4624-1-ND	Dual D-Type F/F with Clear/Preset	14-TSSOP	.46	.37	.26
SN74AHC74PWR	296-4624-2-ND	Dual D-Type F/F with Clear/Preset	14-TSSOP		252.00/2,000	
SN74AHC74QDRQ1	296-17298-1-ND	Dual D-Type F/F with Clear/Preset	14-SOIC	.64	.48	.36
SN74AHC74QDRQ1	296-17298-2-ND	Dual D-Type F/F with Clear/Preset	14-SOIC		520.00/2,500	
SN74AHC74QPWRQ1	296-17496-1-ND	Dual D-Type F/F with Clear/Preset	14-TSSOP	.64	.48	.36
SN74AHC74QPWRQ1	296-17496-2-ND	Dual D-Type F/F with Clear/Preset	14-TSSOP		426.00/2,000	
SN74AHC74RGYR	296-13904-1-ND	Dual D-Type Flip-Flop with Clear/Preset	14-QFN	.52	.39	.30
SN74AHC74RGYR	296-13904-2-ND	Dual D-Type Flip-Flop with Clear/Preset	14-QFN		173.00/1,000	
SN74AHC86D	296-4625-5-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.46	.37	.26
SN74AHC86DR	296-4625-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.46	.37	.26
SN74AHC86DR	296-4625-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		297.50/2,500	
SN74AHC86DBR	296-4626-1-ND	Quad 2-Input Exclusive OR Gate	14-SSOP	.46	.37	.26
SN74AHC86DBR	296-4626-2-ND	Quad 2-Input Exclusive OR Gate	14-SSOP		252.00/2,000	
SN74AHC86N	296-4627-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.53	.42	.32
SN74AHC86PWR	296-4628-1-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP	.40	.32	.24
SN74AHC86PWR	296-4628-2-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP		224.00/2,000	
SN74AHC86RGYR	296-13905-1-ND	Quad 2-Input Exclusive OR Gate	14-QFN	.60	.45	.34
SN74AHC86RGYR	296-13905-2-ND	Quad 2-Input Exclusive OR Gate	14-QFN		200.00/1,000	
SN74AHC123ADBR	296-4525-1-ND	Dual Retrig Monostable Multivibrator	16-SSOP	.55	.44	.33
SN74AHC123ADBR	296-4525-2-ND	Dual Retrig Monostable Multivibrator	16-SSOP		308.00/2,000	
SN74AHC123ADGVR	296-4526-1-ND	Dual Retrig Monostable Multivibrator	16-TVSOP	.48	.36	.27
SN74AHC123ADGVR	296-4526-2-ND	Dual Retrig Monostable Multivibrator	16-TVSOP		320.00/2,000	
SN74AHC123AD	296-4527-1-ND	Dual Retrig Monostable Multivibrator	16-SOIC	.55	.44	.33
SN74AHC123AD	296-4527-2-ND	Dual Retrig Monostable Multivibrator	16-SOIC		372.50/2,500	
SN74AHC123APWR	296-4528-1-ND	Dual Retrig Monostable Multivibrator	16-TSSOP	.55	.44	.33
SN74AHC123APWR	296-4528-2-ND	Dual Retrig Monostable Multivibrator	16-TSSOP		308.00/2,000	
SN74AHC125DBR	296-4529-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74AHC125DBR	296-4529-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		308.00/2,000	
SN74AHC125DR	296-4530-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74AHC125DR	296-4530-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		372.50/2,500	
SN74AHC125N	296-4531-5-ND	Tri-State Quad Bus Buffer Gate	14-Dip	.55	.44	.33
SN74AHC125PWR	296-1083-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.55	.44	.33
SN74AHC125PWR	296-1083-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		308.00/2,000	
SN74AHC1250PWRQ1	296-17494-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.52	.39	.30
SN74AHC1250PWRQ1	296-17494-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		344.00/2,000	
SN74AHC125RGYR	296-13897-1-ND	Tri-State Quad Bus Buffer Gate	14-QFN	.48	.36	.27
SN74AHC125RGYR	296-13897-2-ND	Tri-State Quad Bus Buffer Gate	14-QFN		160.00/1,000	
SN74AHC126DBR	296-4532-1-ND	Tri-State Quad Bus Buffer Gate	14-SSOP	.55	.44	.33
SN74AHC126DBR	296-4532-2-ND	Tri-State Quad Bus Buffer Gate	14-SSOP		308.00/2,000	
SN74AHC126DGVR	296-4533-1-ND	Tri-State Quad Bus Buffer Gate	14-TVSOP	.55	.44	.33
SN74AHC126DGVR	296-4533-2-ND	Tri-State Quad Bus Buffer Gate	14-TVSOP		308.00/2,000	
SN74AHC126D	296-4534-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74AHC126DR	296-4534-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		372.50/2,500	
SN74AHC126N	296-4535-5-ND	Tri-State Quad Bus Buffer Gate	14-Dip	.55	.44	.33
SN74AHC126PW	296-4536-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.55	.44	.33
SN74AHC126PWR	296-4536-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		308.00/2,000	
SN74AHC132D	296-1465-5-ND	Quad NAND Gate	14-SOIC	.55	.44	.33
SN74AHC132DR	296-1465-1-ND	Quad NAND Gate	14-SOIC	.55	.44	.33
SN74AHC132DR	296-1465-2-ND	Quad NAND Gate	14-SOIC		372.50/2,500	
SN74AHC132DBR	296-4537-1-ND	Quad NAND Gate	14-SSOP	.55	.44	.33
SN74AHC132DBR	296-4537-2-ND	Quad NAND Gate	14-SSOP		308.00/2,000	
SN74AHC132DGVR	296-4538-1-ND	Quad NAND Gate	14-TVSOP	.55	.44	.33
SN74AHC132DGVR	296-4538-2-ND	Quad NAND Gate	14-TVSOP		308.00/2,000	
SN74AHC132N	296-1466-5-ND	Quad NAND Gate	14-Dip	.55	.44	.33
SN74AHC132PWR	296-4539-1-ND	Quad NAND Gate	14-TSSOP	.55	.44	.33
SN74AHC132PWR	296-4539-2-ND	Quad NAND Gate	14-TSSOP		308.00/2,000	
SN74AHC132RGYR	296-13898-1-ND	Quad NAND Gate	14-QFN	.48	.36	.27
SN74AHC132RGYR	296-13898-2-ND	Quad NAND Gate	14-QFN		160.00/1,000	
SN74AHC138D	296-4540-5-ND	3-8 Line Decoder/Demultiplexer	16-SOIC	.55	.44	.33
SN74AHC138DR	296-4540-1-ND	3-8 Line Decoder/Demultiplexer	16-SOIC	.55	.44	.33
SN74AHC138DR	296-4540-2-ND	3-8 Line Decoder/Demultiplexer	16-SOIC		372.50/2,500	
SN74AHC138DBR	296-4541-1-ND	3-8 Line Decoder/Demultiplexer	16-SSOP	.55	.44	.33
SN74AHC138DBR	296-4541-2-ND	3-8 Line Decoder/Demultiplexer	16-SSOP		308.00/2,000	
SN74AHC138N	296-4542-5-ND	3-8 Line Decoder/Demultiplexer	16-Dip	.55	.44	.33
SN74AHC138PWR	296-1084-1-ND	3-8 Line Decoder/Demultiplexer	16-TSSOP	.55	.44	.33
SN74AHC138PWR	296-1084-2-ND	3-8 Line Decoder/Demultiplexer	16-TSSOP		308.00/2,000	
SN74AHC138RGYR	296-13899-1-ND	3-8 Line Decoder/Demultiplexer	16-QFN	.60	.45	.34
SN74AHC138RGYR	296-13899-2-ND	3-8 Line Decoder/Demultiplexer	16-QFN		200.00/1,000	
SN74AHC139D	296-4543-5-ND	Dual 2-4 Decoder/Demultiplexer	16-SOIC	.55	.44	.33
SN74AHC139DBR	296-4544-1-ND	Dual 2-4 Decoder/Demultiplexer	16-SSOP	.55	.44	.33
SN74AHC139DBR	296-4544-2-ND	Dual 2-4 Decoder/Demultiplexer	16-SSOP		308.00/2,000	
SN74AHC139DGVR	296-4545-1-ND	Dual 2-4 Decoder/Demultiplexer	16-TVSOP	.48	.36	.27
SN74AHC139DGVR	296-4545-2-ND	Dual 2-4 Decoder/Demultiplexer	16-TVSOP		320.00/2,000	
SN74AHC139N	296-4546-5-ND	Dual 2-4 Decoder/Demultiplexer	16-Dip	.55	.44	.33
SN74AHC139PWR	296-4547-1-ND	Dual 2-4 Decoder/Demultiplexer	16-TSSOP	.55	.44	.33
SN74AHC139PWR	296-4547-2-ND	Dual 2-4 Decoder/Demultiplexer	16-TSSOP		308.00/2,000	
SN74AHC139RGYR	296-13900-1-ND	Dual 2-4 Decoder/Demultiplexer	16-QFN	.60	.45	.34
SN74AHC139RGYR	296-13900-2-ND	Dual 2-4 Decoder/Demultiplexer	16-QFN		200.00/1,000	
SN74AHC157D	296-4551-5-ND	Quad 2-1 Data Selector/Multiplexer	16-SOIC	.64	.48	.36
SN74AHC157DBR	296-4552-1-ND	Quad 2-1 Data Selector/Multiplexer	16-SSOP	.64	.48	.36
SN74AHC157DBR	296-4552-2-ND	Quad 2-1 Data Selector/Multiplexer	16-SSOP		426.00/2,000	
SN74AHC157DGVR	296-4553-1-ND	Quad 2-1 Data Selector/Multiplexer	16-TVSOP	.64	.48	.36
SN74AHC157DGVR	296-4553-2-ND	Quad 2-1 Data Selector/Multiplexer	16-TVSOP		426.00/2,000	
SN74AHC157DR	296-14700-1-ND	Quad 2-1 Data Selector/Multiplexer	16-SOIC	.64	.48	.36
SN74AHC157DR	296-14700-2-ND	Quad 2-1 Data Selector/Multiplexer	16-SOIC		520.00/2,500	
SN74AHC157N	296-4554-5-ND	Quad 2-1 Data Selector/Multiplexer	16-Dip	.64	.48	.36
SN74AHC157NSR	296-13134-1-ND	Quad 2-1 Data Selector/Multiplexer	16-SOP	.64	.48	.36
SN74AHC157NSR	296-13134-2-ND	Quad 2-1 Data Selector/Multiplexer	16-SOP		426.00/2,000	
SN74AHC157PWR	296-4555-1-ND	Quad 2-1 Data Selector/Multiplexer	16-TSSOP	.64	.48	.36
SN74AHC157PWR	296-4555-2-ND	Quad 2-1 Data Selector/Multiplexer	16-TSSOP		426.00/2,000	
SN74AHC157RGYR	296-13902-1-ND	Quad 2-1 Data Selector/Multiplexer	16-QFN	.64	.48	.36
SN74AHC157RGYR	296-13902-2-ND	Quad 2-1 Data Selector/Multiplexer	16-QFN		213.00/1,000	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74AHC158DBR	296-4556-1-ND	Quad 2-1 Data Selector/Multiplexer	16-SSOP	.55	.44	.33
SN74AHC158DBR	296-4556-2-ND	Quad 2-1 Data Selector/Multiplexer	16-SSOP		308.00/2,000	
SN74AHC158DGVR	296-4557-1-ND	Quad 2-1 Data Selector/Multiplexer	16-TVSOP	.55	.44	.33
SN74AHC158DGVR	296-4557-2-ND	Quad 2-1 Data Selector/Multiplexer	16-TVSOP		308.00/2,000	
SN74AHC158D	296-4558-1-ND	Quad 2-1 Data Selector/Multiplexer	16-SOIC	.55	.44	.33
SN74AHC158DR	296-4558-2-ND	Quad 2-1 Data Selector/Multiplexer	16-SOIC		372.50/2,500	
SN74AHC158PWR	296-4559-1-ND	Quad 2-1 Data Selector/Multiplexer	16-TSSOP	.55	.44	.33
SN74AHC158PWR	296-4559-2-ND	Quad 2-1 Data Selector/Multiplexer	16-TSSOP		308.00/2,000	
SN74AHC174D	296-1467-5-ND	Hex D-Type Flip-Flop with Clear	16-SOIC	.55	.44	.33
SN74AHC174DBR	296-4578-1-ND	Hex D-Type Flip-Flop with Clear	16-SSOP	.55	.44	.33
SN74AHC174DBR	296-4578-2-ND	Hex D-Type Flip-Flop with Clear	16-SSOP		308.00/2,000	
SN74AHC174N	296-1468-5-ND	Hex D-Type Flip-Flop with Clear	16-Dip	.55	.44	.33
SN74AHC174PWR	296-12739-1-ND	Hex D-Type Flip-Flop with Clear	16-TSSOP	.55	.44	.33
SN74AHC174PWR	296-12739-2-ND	Hex D-Type Flip-Flop with Clear	16-TSSOP		308.00/2,000	
SN74AHC240DBR	296-4579-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.60	.45	.34
SN74AHC240DBR	296-4579-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		400.00/2,000	
SN74AHC240DGVR	296-12858-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.60	.45	.34
SN74AHC240DGVR	296-12858-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP		400.00/2,000	
SN74AHC240DW	296-4580-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
SN74AHC240DWR	296-4580-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
SN74AHC240DWR	296-4580-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		400.00/2,000	
SN74AHC240N	296-4581-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.66	.50	.38
SN74AHC240PWR	296-4582-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.60	.45	.34
SN74AHC240PWR	296-4582-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		400.00/2,000	
SN74AHC244DBR	296-4583-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.60	.45	.34
SN74AHC244DBR	296-4583-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		400.00/2,000	
SN74AHC244DGVR	296-4584-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.60	.45	.34
SN74AHC244DGVR	296-4584-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP		400.00/2,000	
SN74AHC244DW	296-1095-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
SN74AHC244DWR	296-1096-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
SN74AHC244DWR	296-1096-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		400.00/2,000	
SN74AHC244N	296-4585-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.66	.50	.38
SN74AHC244PWR	296-1097-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.60	.45	.34
SN74AHC244PWR	296-1097-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		400.00/2,000	
SN74AHC244QDWRQ1	296-17495-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.70	.53	.40
SN74AHC244QDWRQ1	296-17495-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		468.00/2,000	
SN74AHC244QPWR	296-17013-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.96	.72	.54
SN74AHC244QPWR	296-17013-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		638.00/2,000	
SN74AHC245DBR	296-4586-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.48	.36	.27
SN74AHC245DBR	296-4586-2-ND	Tri-State Octal Bus Transceiver	20-SSOP		320.00/2,000	
SN74AHC2450GVR	296-4587-1-ND	Tri-State Octal Bus Transceiver	20-TVSOP	.53	.40	.30
SN74AHC2450GVR	296-4587-2-ND	Tri-State Octal Bus Transceiver	20-TVSOP		352.00/2,000	
SN74AHC245DW	296-4588-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.48	.36	.27
SN74AHC245N	296-4589-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.57	.43	.33
SN74AHC245NSR	296-13135-1-ND	Tri-State Octal Bus Transceiver	20-SOP	.57	.43	.33
SN74AHC245NSR	296-13135-2-ND	Tri-State Octal Bus Transceiver	20-SOP		380.00/2,000	
SN74AHC245PWR	296-1098-1-ND	Tri-State Octal Transceiver	20-TSSOP	.48	.36	.27
SN74AHC245PWR	296-1098-2-ND	Tri-State Octal Transceiver	20-TSSOP		320.00/2,000	
SN74AHC273DBR	296-4590-1-ND	Octal D-Type Flip-Flop with Clear	20-SSOP	.56	.42	.32
SN74AHC273DBR	296-4590-2-ND	Octal D-Type Flip-Flop with Clear	20-SSOP		372.00/2,000	
SN74AHC273DGVR	296-4591-1-ND	Octal D-Type Flip-Flop with Clear	20-TVSOP	.60	.45	.34
SN74AHC273DGVR	296-4591-2-ND	Octal D-Type Flip-Flop with Clear	20-TVSOP		400.00/2,000	
SN74AHC273DW	296-1470-5-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.56	.42	.32
SN74AHC273DWR	296-1470-1-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.56	.42	.32
SN74AHC273DWR	296-1470-2-ND	Octal D-Type Flip-Flop with Clear	20-SOIC		372.00/2,000	
SN74AHC273N	296-1471-5-ND	Octal D-Type Flip-Flop with Clear	20-Dip	.56	.42	.32
SN74AHC273PWR	296-4592-1-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP	.56	.42	.32
SN74AHC273PWR	296-4592-2-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP		372.00/2,000	
SN74AHC367DR	296-4597-1-ND	Tri-State Hex Buffer/Driver	16-SOIC	1.05	.88	.70
SN74AHC367DR	296-4597-2-ND	Tri-State Hex Buffer/Driver	16-SOIC		1137.50/2,500	
SN74AHC373DBR	296-4598-1-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP	.60	.45	.34
SN74AHC373DBR	296-4598-2-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP		400.00/2,000	
SN74AHC373DGVT	296-17111-1-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP	.66	.50	.38
SN74AHC373DGVT	296-17111-2-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP		438.00/2,000	
SN74AHC373DW	296-4599-5-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.60	.45	.34
SN74AHC373N	296-4600-5-ND	Tri-State Octal Transp. D-Type Latch	20-Dip	.66	.50	.38
SN74AHC373NSR	296-13137-1-ND	Tri-State Octal Transp. D-Type Latch	20-SOP	.60	.45	.34
SN74AHC373NSR	296-13137-2-ND	Tri-State Octal Transp. D-Type Latch	20-SOP		400.00/2,000	
SN74AHC373PWR	296-1100-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.60	.45	.34
SN74AHC373PWR	296-1100-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP		400.00/2,000	
SN74AHC374DBR	296-1101-1-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP	.60	.45	.34
SN74AHC374DBR	296-1101-2-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP		400.00/2,000	
SN74AHC374DGVR	296-4601-1-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP	.60	.45	.34
SN74AHC374DGVR	296-4601-2-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP		400.00/2,000	
SN74AHC374DW	296-4602-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
SN74AHC374DWR	296-4602-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		400.00/2,000	
SN74AHC374N	296-4603-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.66	.50	.38
SN74AHC374PWR	296-1102-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.60	.45	.34
SN74AHC374PWR	296-1102-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP		400.00/2,000	
SN74AHC540DBR	296-4603-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.56	.42	.32
SN74AHC540DBR	296-4604-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		372.00/2,000	
SN74AHC540DW	296-4605-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.56	.42	.32
SN74AHC540DWR	296-4605-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.56	.42	.32
SN74AHC540DWR	296-4605-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		372.00/2,000	
SN74AHC540N	296-4606-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.56	.42	.32
SN74AHC540PWR	296-4607-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.56	.42	.32
SN74AHC540PWR	296-4607-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		372.00/2,000	
SN74AHC541DBR	296-4608-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.56	.42	.32
SN74AHC541DBR	296-4608-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		372.00/2,000	
SN74AHC541DGVR	296-12740-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.56	.42	.32
SN74AHC541DGVR	296-12740-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP		372.00/2,000	
SN74AHC541DWR	296-4609-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.56	.42	.32
SN74AHC541DWR	296-4609-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		372.00/2,000	
SN74AHC541N	296-4610-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.56	.42	.32
SN74AHC541NSR	296-13138-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.56	.42	.32
SN74AHC541NSR	296-13138-2-ND	Tri-State Octal Buffer/Driver	20-SOP		372.00/2,000	
SN74AHC541PWR	296-1103-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.56	.42	.32
SN74AHC541PWR	296-1103-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		372.00/2,000	
SN74AHC541QPWRQ1	296-19592-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.66	.50	.37
SN74AHC541QPWRQ1	296-19592-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		436.00/2,000	
SN74AHC573DBR	296-4611-1-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP	.60	.45	.34
SN74AHC573DBR	296-4611-2-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP		400.00/2,000	
SN74AHC573DGVR	296-13818-1-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP	.60	.45	.34
SN74AHC573DGVR	296-13818-2-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP		400.00/2,000	
SN74AHC573DW	296-4612-5-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.60	.45	.34

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AHCU Family						
SN74AHCU04D	296-9759-5-ND	Hex Inverter	14-SOIC	.46	.37	.26
SN74AHCU04DBR	296-9760-1-ND	Hex Inverter	14-SSOP	.46	.37	.26
SN74AHCU04DBR	296-9760-2-ND	Hex Inverter	14-SSOP		252.00/2,000	
SN74AHCU04DGV	296-9761-1-ND	Hex Inverter	14-TVSOP	.50	.41	.28
SN74AHCU04DGV	296-9761-2-ND	Hex Inverter	14-TVSOP		278.00/2,000	
SN74AHCU04N	296-9762-5-ND	Hex Inverter	14-Dip	.46	.37	.26
SN74AHCU04PWR	296-9763-1-ND	Hex Inverter	14-TSSOP	.46	.37	.26
SN74AHCU04PWR	296-9763-2-ND	Hex Inverter	14-TSSOP		252.00/2,000	
SN74AHCU04RGYR	296-13916-1-ND	Hex Inverter	14-QFN	.46	.36	.27
SN74AHCU04RGYR	296-13916-2-ND	Hex Inverter	14-QFN		160.00/1,000	
Micrograte Family						
SN74AHC1G00DBVR	296-1087-1-ND	Single 2-Input NAND Gate	SOT-23-5	.39	.32	.22
SN74AHC1G00DBVR	296-1087-2-ND	Single 2-Input NAND Gate	SOT-23-5		306.00/3,000	
SN74AHC1G00DCKR	296-8741-1-ND	Single 2-Input NAND Gate	SC70-5	.39	.32	.22
SN74AHC1G00DCKR	296-8741-2-ND	Single 2-Input NAND Gate	SC70-5		306.00/3,000	
SN74AHC1G00DRLR	296-19780-1-ND	Single 2-Input NAND Gate **NEW!**	5-SOP	.42	.35	.24
SN74AHC1G00DRLR	296-19780-2-ND	Single 2-Input NAND Gate **NEW!**	5-SOP		444.00/4,000	
SN74AHC1G02DBVR	296-1088-1-ND	Single 2-Input NOR Gate	SOT-23-5	.39	.32	.22
SN74AHC1G02DBVR	296-1088-2-ND	Single 2-Input NOR Gate	SOT-23-5		306.00/3,000	
SN74AHC1G02DCKR	296-8742-1-ND	Single 2-Input NOR Gate	SC70-5	.39	.32	.22
SN74AHC1G02DCKR	296-8742-2-ND	Single 2-Input NOR Gate	SC70-5		306.00/3,000	
SN74AHC1G04DBVR	296-1089-1-ND	Single Inverter Gate	SOT-23-5	.39	.32	.22
SN74AHC1G04DBVR	296-1089-2-ND	Single Inverter Gate	SOT-23-5		306.00/3,000	
SN74AHC1G04DCKR	296-1090-1-ND	Single Inverter Gate	SC70-5	.39	.32	.22
SN74AHC1G04DCKR	296-1090-2-ND	Single Inverter Gate	SC70-5		306.00/3,000	
SN74AHC1G04DRLR	296-19375-1-ND	Single Inverter Gate	5-SOP	.42	.35	.24
SN74AHC1G04DRLR	296-19375-2-ND	Single Inverter Gate	5-SOP		444.00/4,000	
SN74AHC1G04QDKRQ1	296-17248-1-ND	Single Inverter Gate	SC70-5	.46	.37	.26
SN74AHC1G04QDKRQ1	296-17248-2-ND	Single Inverter Gate	SC70-5		357.00/3,000	
SN74AHC1G08DBVR	296-1091-1-ND	Single 2-Input AND Gate	SOT-23-5	.39	.32	.22
SN74AHC1G08DBVR	296-1091-2-ND	Single 2-Input AND Gate	SOT-23-5		306.00/3,000	
SN74AHC1G08DCKR	296-8743-1-ND	Single 2-Input AND Gate	5-SOP	.39	.32	.22
SN74AHC1G08DCKR	296-8743-2-ND	Single 2-Input AND Gate	5-SOP		306.00/3,000	
SN74AHC1G08DRLR	296-19376-1-ND	Single 2-Input AND Gate	5-SOP	.42	.35	.24
SN74AHC1G08DRLR	296-19376-2-ND	Single 2-Input AND Gate	5-SOP		444.00/4,000	
SN74AHC1G14DBVR	296-1092-1-ND	Single Schmitt-Trigger Inverter	SOT-23-5	.39	.32	.22
SN74AHC1G14DBVR	296-1092-2-ND	Single Schmitt-Trigger Inverter	SOT-23-5		306.00/3,000	
SN74AHC1G14DCKR	296-8748-1-ND	Single Schmitt-Trigger Inverter	SC70-5	.39	.32	.22
SN74AHC1G14DCKR	296-8748-2-ND	Single Schmitt-Trigger Inverter	SC70-5		306.00/3,000	
SN74AHC1G32DBVR	296-1093-1-ND	Single 2-Input OR Gate	SOT-23-5	.39	.32	.22
SN74AHC1G32DBVR	296-1093-2-ND	Single 2-Input OR Gate	SOT-23-5		306.00/3,000	
SN74AHC1G32DCKR	296-8749-1-ND	Single 2-Input OR Gate	SC70-5	.39	.32	.22
SN74AHC1G32DCKR	296-8749-2-ND	Single 2-Input OR Gate	SC70-5		306.00/3,000	
SN74AHC1G32DRLR	296-19378-1-ND	Single 2-Input OR Gate	5-SOP	.42	.35	.24
SN74AHC1G32DRLR	296-19378-2-ND	Single 2-Input OR Gate	5-SOP		444.00/4,000	
SN74AHC1G32TDBVRQ1	296-17421-1-ND	Single 2-Input OR Gate	SOT-23-5	.46	.37	.26
SN74AHC1G32TDBVRQ1	296-17421-2-ND	Single 2-Input OR Gate	SOT-23-5		357.00/3,000	
SN74AHC1G86DBVR	296-1094-1-ND	Single 2-Input Exclusive OR Gate	SOT-23-5	.39	.32	.22
SN74AHC1G86DBVR	296-1094-2-ND	Single 2-Input Exclusive OR Gate	SOT-23-5		306.00/3,000	
SN74AHC1G86DCKR	296-8750-1-ND	Single 2-Input Exclusive OR Gate	SC70-5	.39	.32	.22
SN74AHC1G86DCKR	296-8750-2-ND	Single 2-Input Exclusive OR Gate	SC70-5		306.00/3,000	
SN74AHC1G86DRLR	296-19738-1-ND	Single 2-Input Exclusive OR Gate **NEW!**	5-SOP	.42	.35	.24
SN74AHC1G86DRLR	296-19738-2-ND	Single 2-Input Exclusive OR Gate **NEW!**	5-SOP		444.00/4,000	
SN74AHC1G125DBVR	296-8744-1-ND	Tri-State Single Bus Buffer Gate	SOT-23-5	.39	.32	.22
SN74AHC1G125DBVR	296-8744-2-ND	Tri-State Single Bus Buffer Gate	SOT-23-5		306.00/3,000	
SN74AHC1G125DCKR	296-8745-1-ND	Tri-State Single Bus Buffer Gate	SC70-5	.39	.32	.22
SN74AHC1G125DCKR	296-8745-2-ND	Tri-State Single Bus Buffer Gate	SC70-5		306.00/3,000	
SN74AHC1G126DBVR	296-8746-1-ND	Tri-State Single Bus Buffer Gate	SOT-23-5	.39	.32	.22
SN74AHC1G126DBVR	296-8746-2-ND	Tri-State Single Bus Buffer Gate	SOT-23-5		306.00/3,000	
SN74AHC1G126DCKR	296-8747-1-ND	Tri-State Single Bus Buffer Gate	SC70-5	.39	.32	.22
SN74AHC1G126DCKR	296-8747-2-ND	Tri-State Single Bus Buffer Gate	SC70-5		306.00/3,000	
SN74AHC1G126DRLR	296-19377-1-ND	Tri-State Single Bus Buffer Gate	5-SOP	.46	.37	.26
SN74AHC1G126DRLR	296-19377-2-ND	Tri-State Single Bus Buffer Gate	5-SOP		476.00/4,000	
SN74AHC1GU04DBVR	296-1095-1-ND	Single Inverter Gate	SOT-23-5	.39	.32	.22
SN74AHC1GU04DBVR	296-1095-2-ND	Single Inverter Gate	SOT-23-5		306.00/3,000	
SN74AHC1GU04DCKR	296-8751-1-ND	Single Inverter Gate	SC70-5	.39	.32	.22
SN74AHC1GU04DCKR	296-8751-2-ND	Single Inverter Gate	SC70-5		306.00/3,000	
SN74AHCT1G00DBVR	296-1111-1-ND	Single 2-Input NAND Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G00DBVR	296-1111-2-ND	Single 2-Input NAND Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G00DCKR	296-4703-1-ND	Single 2-Input NAND Gate	5-SOT	.39	.32	.22
SN74AHCT1G00DCKR	296-4703-2-ND	Single 2-Input NAND Gate	5-SOT		306.00/3,000	
SN74AHCT1G02DBVR	296-4704-1-ND	Single 2-Input NOR Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G02DBVR	296-4704-2-ND	Single 2-Input NOR Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G02DCKR	296-4705-1-ND	Single 2-Input NOR Gate	5-SOT	.39	.32	.22
SN74AHCT1G02DCKR	296-4705-2-ND	Single 2-Input NOR Gate	5-SOT		306.00/3,000	
SN74AHCT1G04DBVR	296-1112-1-ND	Single Inverter Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G04DBVR	296-1112-2-ND	Single Inverter Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G04DCKR	296-4706-1-ND	Single Inverter Gate	5-SOT	.39	.32	.22
SN74AHCT1G04DCKR	296-4706-2-ND	Single Inverter Gate	5-SOT		306.00/3,000	
SN74AHCT1G08DBVR	296-1113-1-ND	Single 2-Input AND Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G08DBVR	296-1113-2-ND	Single 2-Input AND Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G08DCKR	296-4707-1-ND	Single 2-Input AND Gate	5-SOT	.39	.32	.22
SN74AHCT1G08DCKR	296-4707-2-ND	Single 2-Input AND Gate	5-SOT		306.00/3,000	
SN74AHCT1G08DRLR	296-19593-1-ND	Single 2-Input AND Gate	SOT-553	.42	.35	.24
SN74AHCT1G08DRLR	296-19593-2-ND	Single 2-Input AND Gate	SOT-553		444.00/4,000	
SN74AHCT1G14DBVR	296-1114-1-ND	Single Schmitt-Trigger Inverter	SOT-23-5	.39	.32	.22
SN74AHCT1G14DBVR	296-1114-2-ND	Single Schmitt-Trigger Inverter	SOT-23-5		306.00/3,000	
SN74AHCT1G14DCKR	296-4712-1-ND	Single Schmitt-Trigger Inverter Gate	5-SOT	.39	.32	.22
SN74AHCT1G14DCKR	296-4712-2-ND	Single Schmitt-Trigger Inverter Gate	5-SOT		306.00/3,000	
SN74AHCT1G32DBVR	296-1115-1-ND	Single 2-Input OR Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G32DBVR	296-1115-2-ND	Single 2-Input OR Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G32DCKR	296-4713-1-ND	Single 2-Input OR Gate	5-SOT	.39	.32	.22
SN74AHCT1G32DCKR	296-4713-2-ND	Single 2-Input OR Gate	5-SOT		306.00/3,000	
SN74AHCT1G86DBVR	296-4714-1-ND	Single 2-Input Exclusive OR Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G86DBVR	296-4714-2-ND	Single 2-Input Exclusive OR Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G86DCKR	296-4715-1-ND	Single 2-Input Exclusive OR Gate	5-SOT	.39	.32	.22

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74AHCT1G86DCKR	296-4715-2-ND	Single 2-Input Exclusive OR Gate	5-SOT		306.00/3,000	
SN74AHCT1G125DBVR	296-4706-1-ND	Tri-State Single Bus Buffer Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G125DBVR	296-4708-2-ND	Tri-State Single Bus Buffer Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G125DCKR	296-4709-1-ND	Tri-State Single Bus Buffer Gate	5-SOT	.39	.32	.22
SN74AHCT1G125DCKR	296-4709-2-ND	Tri-State Single Bus Buffer Gate	5-SOT		306.00/3,000	
SN74AHCT1G125DRLR	296-19379-1-ND	Tri-State Single Bus Buffer Gate	5-SOP	.46	.37	.26
SN74AHCT1G125DRLR	296-19379-2-ND	Tri-State Single Bus Buffer Gate	5-SOP		476.00/4,000	
SN74AHCT1G126DBVR	296-4710-1-ND	Tri-State Single Bus Buffer Gate	SOT-23-5	.39	.32	.22
SN74AHCT1G126DBVR	296-4710-2-ND	Tri-State Single Bus Buffer Gate	SOT-23-5		306.00/3,000	
SN74AHCT1G126DCKR	296-4711-1-ND	Tri-State Single Bus Buffer Gate	5-SOT	.39	.32	.22
SN74AHCT1G126DCKR	296-4711-2-ND	Tri-State Single Bus Buffer Gate	5-SOT		306.00/3,000	
ALB Family						
SN74ALB16244DGGR	296-9764-1-ND	Tri-State 16-Bit Buffer/Driver	48-TSSOP	5.06	4.05	3.15
SN74ALB16244DGGR	296-9764-2-ND	Tri-State 16-Bit Buffer/Driver	48-TSSOP		5738.00/2,000	
SN74ALB16244DGVR	296-9765-1-ND	Tri-State 16-Bit Buffer/Driver	48-TVSOP	5.06	4.05	3.15
SN74ALB16244DGVR	296-9765-2-ND	Tri-State 16-Bit Buffer/Driver	48-TVSOP		5738.00/2,000	
SN74ALB16244DL	296-9766-5-ND	Tri-State 16-Bit Buffer/Driver	48-SSOP	5.06	4.05	3.15
SN74ALB16244DLR	296-9766-1-ND	Tri-State 16-Bit Buffer/Driver	48-SSOP	5.06	4.05	3.15
SN74ALB16244DLR	296-9766-2-ND	Tri-State 16-Bit Buffer/Driver	48-SSOP		2869.00/1,000	
SN74ALB16245DGGR	296-9767-1-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP	5.06	4.05	3.15
SN74ALB16245DGGR	296-9767-2-ND	Tri-State 16-Bit Bus Transceiver	48-TSSOP		5738.00/2,000	
SN74ALB16245DGVR	296-9768-1-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP	5.06	4.05	3.15
SN74ALB16245DGVR	296-9768-2-ND	Tri-State 16-Bit Bus Transceiver	48-TVSOP		5738.00/2,000	
SN74ALB16245DLR	296-9769-1-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP	5.06	4.05	3.15
SN74ALB16245DLR	296-9769-2-ND	Tri-State 16-Bit Bus Transceiver	48-SSOP		2869.00/1,000	
ALS Family						
SN65ALS176D	296-9698-5-ND	Differential Bus Transceiver	8-SOP	1.75	1.40	1.05
SN65ALS176DR	296-14637-1-ND	Differential Bus Transceiver	8-SOIC	1.75	1.40	1.05
SN65ALS176DR	296-14637-2-ND	Differential Bus Transceiver	8-SOIC		2240.00/2,500	
SN65ALS180DR	296-14638-1-ND	Differential Driver and Receiver Pair	14-SOIC	2.38	1.90	1.43
SN65ALS180DR	296-14638-2-ND	Differential Driver and Receiver Pair	14-SOIC		3040.00/2,500	
SN65ALS544NSR	296-15214-1-ND	Differential Interface LD Driver	20-SOP	3.60	2.88	2.24
SN65ALS544NSR	296-15214-2-ND	Differential Interface LD Driver	20-SOP		4080.00/2,000	
SN65ALS1176DR	296-9687-1-ND	Differential Bus Transceiver	8-SOIC	3.94	3.15	2.45
SN65ALS1176DR	296-9697-2-ND	Differential Bus Transceiver	8-SOIC		5512.50/2,500	
SN74ALS00AD	296-1477-5-ND	Quad 2-Input NAND Gate	14-SOIC	.72	.54	.41
SN74ALS00ADBR	296-5000-1-ND	Quad 2-Input NAND Gate	14-SSOP	.80	.60	.45
SN74ALS00ADBR	296-5000-2-ND	Quad 2-Input NAND Gate	14-SSOP		532.00/2,000	
SN74ALS00ADR	296-1477-1-ND	Quad 2-Input NAND Gate	14-SOIC	.72	.54	.41
SN74ALS00ADR	296-1477-2-ND	Quad 2-Input NAND Gate	14-SOIC		585.00/2,500	
SN74ALS00AN	296-1478-5-ND	Quad 2-Input NAND Gate	14-Dip	.80	.60	.45
SN74ALS00ANSR	296-5001-2-ND	Quad 2-Input NAND Gate	14-SOP		478.00/2,000	
SN74ALS02ADR	296-14705-1-ND	Quad 2-Input NOR Gate	14-SOIC	.72	.54	.41
SN74ALS02ADR	296-14705-2-ND	Quad 2-Input NOR Gate	14-SOIC		585.00/2,500	
SN74ALS02AN	296-1479-5-ND	Quad 2-Input NOR Gate	14-Dip	.76	.57	.43
SN74ALS04BD	296-1122-5-ND	Hex Inverter	14-SOIC	.72	.54	.41
SN74ALS04BDBR	296-5004-1-ND	Hex Inverter	14-SSOP	.72	.54	.41
SN74ALS04BDBR	296-5004-2-ND	Hex Inverter	14-SSOP		478.00/2,000	
SN74ALS04BDR	296-1122-1-ND	Hex Inverter	14-SOIC	.72	.54	.41
SN74ALS04BDR	296-1122-2-ND	Hex Inverter	14-SOIC		585.00/2,500	
SN74ALS04BN	296-1481-5-ND	Hex Inverter	14-Dip	.76	.57	.43
SN74ALS05ADR	296-14707-1-ND	Hex Inverter	14-SOIC	.72	.54	.41
SN74ALS05ADR	296-14707-2-ND	Hex Inverter	14-SOIC		585.00/2,500	
SN74ALS05AN	296-1482-5-ND	Hex Inverter with OC	14-Dip	.76	.57	.43
SN74ALS08D	296-1123-5-ND	Quad 2-Input AND Gate	14-SOIC	.72	.54	.41
SN74ALS08DR	296-1123-1-ND	Quad 2-Input AND Gate	14-SOIC	.72	.54	.41
SN74ALS08DR	296-1123-2-ND	Quad 2-Input AND Gate	14-SOIC		585.00/2,500	
SN74ALS08N	296-1483-5-ND	Quad 2-Input AND Gate	14-Dip	.76	.57	.43
SN74ALS10ADR	296-14712-1-ND	Triple 3-Input NAND Gate	14-SOIC	.72	.54	.41
SN74ALS10ADR	296-14712-2-ND	Triple 3-Input NAND Gate	14-SOIC		585.00/2,500	
SN74ALS10AN	296-5011-5-ND	Triple 3-Input NAND Gate	14-Dip	.72	.54	.41
SN74ALS11ADR	296-14713-1-ND	Triple 3-Input AND Gate	14-SOIC	.96	.72	.54
SN74ALS11ADR	296-14713-2-ND	Triple 3-Input AND Gate	14-SOIC		780.00/2,500	
SN74ALS21ADR	296-5045-1-ND	Dual 4-Input AND Gate	14-SOIC	.96	.72	.54
SN74ALS21ADR	296-5045-2-ND	Dual 4-Input AND Gate	14-SOIC		780.00/2,500	
SN74ALS27ADR	296-14731-1-ND	Triple 3-Input NOR Gate	14-SOIC	.84	.70	.56
SN74ALS27ADR	296-14731-2-ND	Triple 3-Input NOR Gate	14-SOIC		910.00/2,500	
SN74ALS30AN	296-1494-5-ND	8-Input NAND Gate	14-Dip	.72	.54	.41
SN74ALS32DR	296-1126-1-ND	Quad 2-Input OR Gate	14-SOIC	.72	.54	.41
SN74ALS32DR	296-1127-2-ND	Quad 2-Input OR Gate	14-SOIC		585.00/2,500	
SN74ALS32N	296-1495-5-ND	Quad 2-Input OR Gate	14-Dip	.72	.54	.41
SN74ALS38BDR	296-14738-1-ND	Quad 2-Input NAND Buffer	14-SOIC	.72	.54	.41
SN74ALS38BDR	296-14738-2-ND	Quad 2-Input NAND Buffer	14-SOIC		585.00/2,500	
SN74ALS74AD	296-1130-5-ND	Dual D-Type Flip-Flop	14-SOIC	.88	.66	.50
SN74ALS74ADR	296-1130-1-ND	Dual D-Type Flip-Flop	14-SOIC	.88	.66	.50
SN74ALS74ADR	296-1130-2-ND	Dual D-Type Flip-Flop	14-SOIC		715.00/2,500	
SN74ALS74AN	296-1506-5-ND	Dual D-Type Flip-Flop	14-Dip	.88	.66	.50
SN74ALS86DR	296-14751-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.52	.39	.30
SN74ALS86DR	296-14751-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		422.50/2,500	
SN74ALS109AN	296-14711-5-ND	Dual J-K Flip-Flop	16-Dip	.84	.70	.56
SN74ALS112AN	296-5013-5-ND	Dual J-K Negative-Edge-Triggered F/F	16-Dip	.84	.70	.56
SN74ALS138ADR	296-14714-1-ND	3-8 Line Decoder/Demux	16-SOIC	.96	.72	.54
SN74ALS138ADR	296-14714-2-ND	3-8 Line Decoder/Demux	16-SOIC		780.00/2,500	
SN74ALS138AN	296-1485-5-ND	3-8 Line Decoder/Demux	16-Dip	.96	.72	.54
SN74ALS139DR	296-14715-1-ND	Dual 2-4 Decoder/Demux	16-SOIC	.78	.65	.52
SN74ALS139DR	296-14715-2-ND	Dual 2-4 Decoder/Demux	16-SOIC		845.00/2,500	
SN74ALS139N	296-1486-5-ND	Dual 2-4 Decoder/Demux	16-Dip	.78	.65	.52
SN74ALS151DR	296-14717-1-ND	1-of-8 Data Selector/Mux	16-SOIC	.90	.75	.60
SN74ALS151DR	296-14717-2-ND	1-of-8 Data Selector/Mux	16-SOIC		975.00/2,500	
SN74ALS157ADR	296-14718-1-ND	Quad 1-of-2 Data Selector/Mux	16-SOIC	.90	.75	.60
SN74ALS157ADR	296-14718-2-ND	Quad 1-of-2 Data Selector/Mux	16-SOIC		975.00/2,500	
SN74ALS157AN	296-14719-5-ND	Quad 1-of-2 Data Selector/Mux	16-Dip	.90	.75	.60
SN74ALS158NSR	296-13147-1-ND	Quad 1-of-2 Data Selector/Mux	16-SOP	2.40	1.92	1.44
SN74ALS158NSR	296-13147-2-ND	Quad 1-of-2 Data Selector/Mux	16-SOP		2496.00/2,000	
SN74ALS161BN	296-1487-5-ND	4-Bit Synchronous Binary Counter	16-Dip	.96	.72	.54
SN74ALS163BN	296-1488-5-ND	4-Bit Synchronous Binary Counter	16-Dip	.87	.73	.58
SN74ALS166DBR	296-5027-1-ND	8-Bit Parallel-Load Shift Register	16-SSOP	3.04	2.43	1.89
SN74ALS166DBR	296-5027-2-ND	8-Bit Parallel-Load Shift Register	16-SSOP		3622.00/2,000	

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SN74ALS169BNSR	296-13148-1-ND	4-Bit Sync. Up/Down Binary Counter	16-SOP	1.32	1.10	.88
SN74ALS169BNSR	296-13148-2-ND	4-Bit Sync. Up/Down Binary Counter	16-SOP		1170.00/2,000	
SN74ALS175DR	296-14721-1-ND	Quad D-Type Flip-Flop	16-SOIC	.96	.72	.54
SN74ALS175DR	296-14721-2-ND	Quad D-Type Flip-Flop	16-SOIC		780.00/2,500	
SN74ALS191AN	296-5034-5-ND	Sync. 4-Bit Up/Down Binary Counter	16-Dip	1.83	1.46	1.10
SN74ALS193AN	296-14722-5-ND	4-Bit Sync. Binary Counter	16-Dip	1.83	1.46	1.10
SN74ALS240ADWR	296-14724-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.93	.78	.62
SN74ALS240ADWR	296-14724-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		824.00/2,000	
SN74ALS240AN	296-14725-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.93	.78	.62
SN74ALS243ANSR	296-13149-1-ND	Tri-State Quad Bus Transceiver	14-SOP	3.83	3.06	2.38
SN74ALS243ANSR	296-13149-2-ND	Tri-State Quad Bus Transceiver	14-SOP		4336.00/2,000	
SN74ALS244CDW	296-1124-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.87	.73	.58
SN74ALS244CDWR	296-1124-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.87	.73	.58
SN74ALS244CDWR	296-1124-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		772.00/2,000	
SN74ALS244CN	296-1490-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.87	.73	.58
SN74ALS245ADW	296-1125-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.87	.73	.58
SN74ALS245ADWR	296-1125-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.87	.73	.58
SN74ALS245ADWR	296-1125-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		772.00/2,000	
SN74ALS245AN	296-1492-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.87	.73	.58
SN74ALS257ADR	296-14728-1-ND	Tri-State Quad 2-1 Line Mux	16-SOIC	.90	.75	.60
SN74ALS257ADR	296-14728-2-ND	Tri-State Quad 2-1 Line Mux	16-SOIC		975.00/2,500	
SN74ALS257AN	296-5051-5-ND	Tri-State Quad 2-1 Line Mux	16-Dip	.90	.75	.60
SN74ALS259DR	296-14729-1-ND	8-Bit Addressable Latch	16-SOIC	2.27	1.82	1.42
SN74ALS259DR	296-14729-2-ND	8-Bit Addressable Latch	16-SOIC		3182.50/2,500	
SN74ALS273DWR	296-1126-1-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.90	.75	.60
SN74ALS273DWR	296-1126-2-ND	Octal D-Type Flip-Flop with Clear	20-SOIC		788.00/2,000	
SN74ALS273N	296-1493-5-ND	Octal D-Type Flip-Flop with Clear	20-Dip	.90	.75	.60
SN74ALS299NSR	296-13150-1-ND	Tri-State 8-Bit, Universal Shift/ Storage Register	20-SOP	3.60	2.88	2.24
SN74ALS299NSR	296-13150-2-ND	Tri-State 8-Bit, Universal Shift/ Storage Register	20-SOP		4080.00/2,000	
SN74ALS373ADWR	296-14735-1-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.84	.70	.56
SN74ALS373ADWR	296-14735-2-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC		744.00/2,000	
SN74ALS373AN	296-1496-5-ND	Tri-State Octal Transp. D-Type Latch	20-Dip	.84	.70	.56
SN74ALS374ADWR	296-1128-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.84	.70	.56
SN74ALS374ADWR	296-1128-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		744.00/2,000	
SN74ALS374AN	296-1498-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.84	.70	.56
SN74ALS520N	296-14739-5-ND	8-Bit Identity Comparator	20-Dip	1.45	1.16	.87
SN74ALS521NSR	296-13151-1-ND	8-Bit Identity Comparator	20-SOP	1.38	1.10	.83
SN74ALS521NSR	296-13151-2-ND	8-Bit Identity Comparator	20-SOP		1508.00/2,000	
SN74ALS534ADWR	296-14740-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	2.25	1.80	1.40
SN74ALS534ADWR	296-14740-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		2550.00/2,000	
SN74ALS540DWR	296-14741-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	2.13	1.70	1.28
SN74ALS540DWR	296-14741-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		2210.00/2,000	
SN74ALS540-1NSR	296-13152-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	5.27	4.22	3.28
SN74ALS540-1NSR	296-13152-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP		6248.00/2,000	
SN74ALS541DW	296-1499-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	1.35	1.13	.90
SN74ALS541DWR	296-14742-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	1.35	1.13	.90
SN74ALS541DWR	296-14742-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		1198.00/2,000	
SN74ALS541N	296-1500-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	1.35	1.13	.90
SN74ALS541NSR	296-13153-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	1.35	1.13	.90
SN74ALS541NSR	296-13153-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP		1198.00/2,000	
SN74ALS573CDW	296-1129-5-ND	Tri-State Octal D-Type Transparent Latch	20-SOIC	.84	.70	.56
SN74ALS573CDWR	296-1129-1-ND	Tri-State Octal D-Type Transparent Latch	20-SOIC	.84	.70	.56
SN74ALS573CDWR	296-1129-2-ND	Tri-State Octal D-Type Transparent Latch	20-SOIC		744.00/2,000	
SN74ALS573CN	296-1502-5-ND	Tri-State Octal D-Type Transparent Latch	20-Dip	.84	.70	.56
SN74ALS574BDW	296-1503-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.84	.70	.56
SN74ALS574BDWR	296-14745-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.84	.70	.56
SN74ALS574BDWR	296-14745-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		744.00/2,000	
SN74ALS574BN	296-1504-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.84	.70	.56
SN74ALS580BNSR	296-13154-1-ND	Tri-State Octal D-Type Transparent Latch	20-SOP	2.34	1.88	1.46
SN74ALS580BNSR	296-13154-2-ND	Tri-State Octal D-Type Transparent Latch	20-SOP		2652.00/2,000	
SN74ALS639AN	296-5068-5-ND	Octal Bus Transceiver	20-Dip	3.51	2.81	2.19
SN74ALS641A-1DW	296-9770-5-ND	Octal Bus Transceiver with OC Output	20-SOIC	3.17	2.54	1.98
SN74ALS641ADW	296-9771-5-ND	Octal Bus Transceiver with OC Output	20-SOIC	2.61	2.09	1.63
SN74ALS645AN	296-5076-5-ND	Tri-State Octal Bus Transceiver	20-Dip	1.50	1.20	.90
SN74ALS652ANT	296-14747-5-ND	Tri-State Octal Bus Transceiver	24-Dip	4.97	3.98	3.10
SN74ALS688N	296-14748-5-ND	8-Bit Identity Comparator	20-Dip	4.39	3.51	2.73
SN74ALS874BNT	296-14752-5-ND	Dual 4-Bit D-Type Flip-Flop	24-Dip	2.75	2.20	1.71
SN74ALS996DWR	296-5098-1-ND	8-Bit READ-BACK Latch	24-SOIC	9.66	7.73	6.53
SN74ALS996DWR	296-5098-2-ND	8-Bit READ-BACK Latch	24-SOIC		12076.00/2,000	
SN74ALS996NT	296-1507-5-ND	8-Bit READ-BACK Latch	24-Dip	9.66	7.73	6.53
SN74ALS1005DR	296-14709-1-ND	Hex Inverting Buffer	14-SOIC	1.45	1.16	.87
SN74ALS1005DR	296-14709-2-ND	Hex Inverting Buffer	14-SOIC		1855.00/2,500	
SN74ALS1005NSR	296-13146-1-ND	Hex Inverting Buffer with OC Outputs	14-SOP	1.38	1.10	.83
SN74ALS1005NSR	296-13146-2-ND	Hex Inverting Buffer with OC Outputs	14-SOP		1508.00/2,000	
SN74ALS1034DR	296-5007-5-ND	Hex Non-Inverting Buffer	14-SOIC	1.83	1.46	1.10
SN74ALS1035DR	296-14710-1-ND	Hex Non-Inverting Buffer	14-SOIC	1.45	1.16	.87
SN74ALS1035DR	296-14710-2-ND	Hex Non-Inverting Buffer	14-SOIC		1855.00/2,500	
SN74ALS1035N	296-5009-5-ND	Hex Non-Inverting Buffer	14-Dip	1.45	1.16	.87
SN74ALS29827NT	296-14732-5-ND	Tri-State 10-Bit Buffer	24-Dip	5.20	4.16	3.24
SN74ALS057DWR	296-12932-1-ND	Quad Interface Bus Transceiver	20-SOIC	4.37	3.50	2.72
SN74ALS057DWR	296-12932-2-ND	Quad Interface Bus Transceiver	20-SOIC		4948.00/2,000	
SN74ALS057N	296-9927-5-ND	Quad Interface Bus Transceiver	20-Dip	4.37	3.50	2.72
SN74ALS085DW	296-12933-5-ND	Dual Channel Driver/Receiver	24-SOIC	9.00	7.20	6.06
SN74ALS085NT	296-9228-5-ND	Dual Channel Driver/Receiver	24-Dip	9.50	7.60	6.42
SN74ALS160DW	296-9932-5-ND	Octal Bus Transceiver	20-SOIC	2.38	1.90	1.43
SN74ALS161N	296-9933-5-ND	Octal Bus Transceiver	20-Dip	5.60	4.48	3.78
SN74ALS162DW	296-9934-5-ND	Octal Bus Transceiver	24-SOIC	4.70	3.77	2.93
SN74ALS162DWR	296-14963-1-ND	Octal Bus Transceiver	24-SOIC	4.70	3.77	2.93
SN74ALS162DWR	296-14963-2-ND	Octal Bus Transceiver	24-SOIC		5330.00/2,000	
SN74ALS163DWR	296-9935-1-ND	Octal Interface Bus Transceiver	20-SOIC	5.30	4.24	3.59
SN74ALS163DWR	296-9935-2-ND	Octal Interface Bus Transceiver	20-SOIC		6626.00/2,000	
SN74ALS170ADW	296-9936-5-ND	Triple Differential Bus Transceiver	20-SOIC	5.52	4.42	3.73
SN74ALS171ADW	296-9937-5-ND	Triple Differential Bus Transceiver	20-SOIC	5.52	4.42	3.73
SN74ALS171DWR	296-9938-1-ND	Triple Differential Bus Transceiver	20-SOIC	5.14	4.12	3.47
SN74ALS171DWR	296-9938-2-ND	Triple Differential Bus Transceiver	20-SOIC		6426.00/2,000	
SN74ALS172ADW	296-9939-5-ND	Quad Differential Bus Line Driver	20-SOIC	3.26	2.61	2.03
SN74ALS172AN	296-9940-5-ND	Quad Differential Bus Line Driver	16-Dip	3.26	2.61	2.03
SN74ALS173N	296-9951-5-ND	Quad Differential Line Receiver	16-Dip	3.26	2.61	2.03

T.I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN75ALS174AN	296-9952-5-ND	Quad Differential Line Driver	16-Dip	2.36	1.89	1.47
SN75ALS175N	296-9953-5-ND	Quad Differential Line Receiver	16-Dip	2.86	2.29	1.78
SN75ALS175NSR	296-9954-1-ND	Quad Differential Line Receiver	16-SOP	2.86	2.29	1.78
SN75ALS175NSR	296-9954-2-ND	Quad Differential Line Receiver	16-SOP		3238.00/2,000	
SN75ALS176AD	296-9955-5-ND	Differential Bus Transceiver	8-SOIC	1.75	1.40	1.05
SN75ALS176ADR	296-14964-1-ND	Differential Bus Transceiver	8-SOIC	1.75	1.40	1.05
SN75ALS176ADR	296-14964-2-ND	Differential Bus Transceiver	8-SOIC		2240.00/2,500	
SN75ALS176BD	296-9956-5-ND	Differential Bus Transceiver	8-SOIC	1.75	1.40	1.05
SN75ALS176BDR	296-14965-1-ND	Differential Bus Transceiver	8-SOIC	1.20	1.00	.80
SN75ALS176BDR	296-14965-2-ND	Differential Bus Transceiver	8-SOIC		1300.00/2,500	
SN75ALS176P	296-9957-5-ND	Differential Bus Transceiver	8-Dip	1.55	1.24	.93
SN75ALS176D	296-9958-5-ND	Differential Bus Transceiver	8-SOIC	1.55	1.24	.93
SN75ALS176DR	296-14966-1-ND	Differential Bus Transceiver	8-SOIC	1.55	1.24	.93
SN75ALS176DR	296-14966-2-ND	Differential Bus Transceiver	8-SOIC		1985.00/2,500	
SN75ALS176P	296-9959-5-ND	Differential Bus Transceiver	8-Dip	1.55	1.24	.93
SN75ALS180D	296-9960-5-ND	Differential Driver/Receiver Pair	14-SOIC	2.05	1.64	1.23
SN75ALS180DR	296-14967-1-ND	Differential Driver/Receiver Pair	14-SOIC	2.05	1.64	1.23
SN75ALS180DR	296-14967-2-ND	Differential Driver/Receiver Pair	14-SOIC		2625.00/2,500	
SN75ALS180N	296-9961-5-ND	Differential Driver/Receiver Pair	14-Dip	2.05	1.64	1.23
SN75ALS181N	296-9962-5-ND	Differential Driver/Receiver Pair	14-Dip	2.25	1.80	1.35
SN75ALS181NSR	296-9963-1-ND	Differential Driver/Receiver Pair	14-SOP	2.25	1.80	1.35
SN75ALS181NSR	296-9963-2-ND	Differential Driver/Receiver Pair	14-SOP		2340.00/2,000	
SN75ALS191D	296-9964-5-ND	Dual Differential Line Driver	8-SOIC	1.25	1.00	.75
SN75ALS191P	296-9965-5-ND	Dual Differential Line Driver	8-Dip	1.25	1.00	.75
SN75ALS191PSR	296-13318-1-ND	Dual Differential Line Driver	8-SOP	1.25	1.00	.75
SN75ALS191PSR	296-13318-2-ND	Dual Differential Line Driver	8-SOP		1300.00/2,000	
SN75ALS192D	296-9966-5-ND	Quad Differential Line Driver	16-SOIC	.80	.60	.45
SN75ALS192DR	296-14968-1-ND	Quad Differential Line Driver	16-SOIC	.80	.60	.45
SN75ALS192DR	296-14968-2-ND	Quad Differential Line Driver	16-SOIC		650.00/2,500	
SN75ALS192N	296-15071-5-ND	Quad Differential Line Driver	16-Dip	.80	.60	.45
SN75ALS193D	296-9967-5-ND	Quad Differential Line Receiver	16-SOIC	.88	.66	.50
SN75ALS193N	296-9968-5-ND	Quad Differential Line Receiver	16-Dip	.88	.66	.50
SN75ALS194DR	296-14969-1-ND	Quad Differential Line Driver	16-SOIC	1.26	1.05	.84
SN75ALS194DR	296-14969-2-ND	Quad Differential Line Driver	16-SOIC		1365.00/2,500	
SN75ALS194N	296-9969-5-ND	Quad Differential Line Driver	16-Dip	1.26	1.05	.84
SN75ALS195N	296-9970-5-ND	Quad Differential Line Receiver	16-Dip	1.88	1.50	1.13
SN75ALS197D	296-9971-5-ND	Quad Differential Line Receiver	16-SOIC	.60	.45	.34
SN75ALS197DR	296-14970-1-ND	Quad Differential Line Receiver	16-SOIC	.60	.45	.34
SN75ALS197DR	296-14970-2-ND	Quad Differential Line Receiver	16-SOIC		487.50/2,500	
SN75ALS197N	296-9972-5-ND	Quad Differential Line Receiver	16-Dip	.60	.45	.34
SN75ALS197NSR	296-13319-1-ND	Tri-State Quad Differential Line Receiver	16-SOP	.80	.45	.34
SN75ALS197NSR	296-13319-2-ND	Tri-State Quad Differential Line Receiver	16-SOP		400.00/2,000	
SN75ALS199D	296-9973-5-ND	Quad Differential Line Receiver	16-SOIC	1.26	1.05	.84
SN75ALS1177N	296-9929-5-ND	Tri-State Dual Differential Driver/Receiver	16-Dip	4.05	3.24	2.52
SN75ALS1177NSR	296-9930-1-ND	Tri-State Dual Differential Driver/Receiver	16-SOP	4.05	3.24	2.52
SN75ALS1177NSR	296-9930-2-ND	Tri-State Dual Differential Driver/Receiver	16-SOP		4590.00/2,000	
SN75ALS1178N	296-9931-5-ND	Tri-State Dual Differential Driver/Receiver	16-Dip	4.05	3.24	2.52
SN75ALS1178NSR	296-12185-1-ND	Tri-State Dual Differential Driver/Receiver	16-SOP	4.05	3.24	2.52
SN75ALS1178NSR	296-12185-2-ND	Tri-State Dual Differential Driver/Receiver	16-SOP		4590.00/2,000	

ALVC Family

T.I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74ALVC164245GRDR	296-16868-1-ND	Tri-St. 16-Bit Level Shifting Transceiver	54-BGA	2.40	1.92	1.44
74ALVC164245GRDR	296-16868-2-ND	Tri-St. 16-Bit Level Shifting Transceiver	54-BGA		1248.00/1,000	
74ALVC164245ZRDR	296-16869-1-ND	Tri-St. 16-Bit Level Shifting Transceiver	54-BGA	1.60	1.28	.96
74ALVC164245ZRDR	296-16869-2-ND	Tri-St. 16-Bit Level Shifting Transceiver	54-BGA		832.00/1,000	
CALVC164245IDGGREP	296-19491-1-ND	Tri-State 16-Bit, Noninverting Bus Transceiver	48-TSSOP	3.04	2.43	1.89
CALVC164245IDGGREP	296-19491-2-ND	Tri-State 16-Bit, Noninverting Bus Transceiver	48-TSSOP		3442.00/2,000	
CALVC164245IDLREP	296-18092-1-ND	Tri-St. 16-Bit Level Shifting Transceiver	48-SSOP	3.04	2.43	1.89
CALVC164245IDLREP	296-18092-2-ND	Tri-St. 16-Bit Level Shifting Transceiver	48-SSOP		1721.00/1,000	
SN74ALVC00DGVR	296-5100-1-ND	Quad 2-Input NAND Gate	14-TVSOP	.50	.40	.30
SN74ALVC00DGVR	296-5100-2-ND	Quad 2-Input NAND Gate	14-TVSOP		278.00/2,000	
SN74ALVC00DR	296-5101-1-ND	Quad 2-Input NAND Gate	14-SOIC	.45	.36	.27
SN74ALVC00DR	296-5101-2-ND	Quad 2-Input NAND Gate	14-SOIC		305.00/2,500	
SN74ALVC00NSR	296-5103-1-ND	Quad 2-Input NAND Gate	14-SOP	.45	.36	.27
SN74ALVC00NSR	296-5103-2-ND	Quad 2-Input NAND Gate	14-SOP		252.00/2,000	
SN74ALVC00PWR	296-5104-1-ND	Quad 2-Input NAND Gate	14-TSSOP	.45	.36	.27
SN74ALVC00PWR	296-5104-2-ND	Quad 2-Input NAND Gate	14-TSSOP		252.00/2,000	
SN74ALVC04D	296-1508-5-ND	Hex Inverter	14-SOIC	.45	.36	.27
SN74ALVC04DGVR	296-5106-1-ND	Hex Inverter	14-TVSOP	.50	.40	.30
SN74ALVC04DGVR	296-5105-2-ND	Hex Inverter	14-TVSOP		278.00/2,000	
SN74ALVC04DR	296-14780-1-ND	Hex Inverter	14-SOIC	.45	.36	.27
SN74ALVC04DR	296-14780-2-ND	Hex Inverter	14-SOIC		305.00/2,500	
SN74ALVC04PWR	296-5106-1-ND	Hex Inverter	14-TSSOP	.45	.36	.27
SN74ALVC04PWR	296-5106-2-ND	Hex Inverter	14-TSSOP		252.00/2,000	
SN74ALVC04RGYR	296-13917-1-ND	Hex Inverter	14-QFN	.56	.42	.32
SN74ALVC04RGYR	296-13917-2-ND	Hex Inverter	14-QFN		186.00/1,000	
SN74ALVC08DGVR	296-5107-1-ND	Quad 2-Input AND Gate	14-TVSOP	.50	.40	.30
SN74ALVC08DGVR	296-5107-2-ND	Quad 2-Input AND Gate	14-TVSOP		278.00/2,000	
SN74ALVC08DR	296-5108-1-ND	Quad 2-Input AND Gate	14-SOIC	.45	.36	.27
SN74ALVC08DR	296-5108-2-ND	Quad 2-Input AND Gate	14-SOIC		305.00/2,500	
SN74ALVC08PWR	296-5109-1-ND	Quad 2-Input AND Gate	14-TSSOP	.45	.36	.27
SN74ALVC08PWR	296-5109-2-ND	Quad 2-Input AND Gate	14-TSSOP		252.00/2,000	
SN74ALVC08RGYR	296-13918-1-ND	Quad 2-Input AND Gate	14-QFN	.64	.48	.36
SN74ALVC08RGYR	296-13918-2-ND	Quad 2-Input AND Gate	14-QFN		213.00/1,000	
SN74ALVC10D	296-1509-5-ND	Triple 3-Input NAND Gate	14-SOIC	.45	.36	.27
SN74ALVC10DR	296-1509-1-ND	Triple 3-Input NAND Gate	14-SOIC	.45	.36	.27
SN74ALVC10DR	296-1509-2-ND	Triple 3-Input NAND Gate	14-SOIC		305.00/2,500	
SN74ALVC10DGVR	296-5110-1-ND	Triple 3-Input NAND Gate	14-TVSOP	.50	.40	.30
SN74ALVC10DGVR	296-5110-2-ND	Triple 3-Input NAND Gate	14-TVSOP		278.00/2,000	
SN74ALVC10NSR	296-5111-1-ND	Triple 3-Input NAND Gate	14-SOP	.45	.36	.27
SN74ALVC10NSR	296-5111-2-ND	Triple 3-Input NAND Gate	14-SOP		252.00/2,000	
SN74ALVC10PWR	296-5112-1-ND	Triple 3-Input NAND Gate	14-TSSOP	.45	.36	.27
SN74ALVC10PWR	296-5112-2-ND	Triple 3-Input NAND Gate	14-TSSOP		252.00/2,000	
SN74ALVC14DGVR	296-5119-1-ND	Hex Schmitt-Trigger Inverter	14-TVSOP	.50	.40	.30
SN74ALVC14DGVR	296-5119-2-ND	Hex Schmitt-Trigger Inverter	14-TVSOP		278.00/2,000	
SN74ALVC14DR	296-5120-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.45	.36	.27
SN74ALVC14DR	296-5120-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		305.00/2,500	
SN74ALVC14PWR	296-5121-1-ND	Hex Schmitt-Trigger Inverter	14-TSSOP	.45	.36	.27
SN74ALVC14PWR	296-5121-2-ND	Hex Schmitt-Trigger Inverter	14-TSSOP		252.00/2,000	
SN74ALVC32DGVR	296-5139-1-ND	Quad 2-Input OR Gate	14-TVSOP	.45	.36	.27

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C

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		HC Family				
CD74HC03M96	296-12771-1-ND	High Speed, Quad 2-Input NAND Gate with Open Drain	14-SOIC	.48	.36	.27
CD74HC03M96	296-12771-2-ND	High Speed, Quad 2-Input NAND Gate with Open Drain	14-SOIC		390.00/2,500	
CD74HC04E	296-12772-5-ND	High Speed, CMOS Logic Hex Inverter	14-Dip	.64	.48	.36
CD74HC04M	296-17318-5-ND	High Speed, CMOS Logic Hex Inverter	14-SOIC	.48	.36	.27
CD74HC04M96	296-14505-1-ND	High Speed, CMOS Logic Hex Inverter	14-SOIC	.48	.36	.27
CD74HC04M96	296-14505-2-ND	High Speed, CMOS Logic Hex Inverter	14-SOIC		390.00/2,500	
CD74HC08E	296-12773-5-ND	High Speed, Quad 2-Input AND Gate	14-Dip	.64	.48	.36
CD74HC08M	296-9169-5-ND	High Speed, Quad 2-Input AND Gate	14-SOIC	.48	.36	.27
CD74HC08M96	296-14506-1-ND	High Speed, Quad 2-Input AND Gate	14-SOIC	.48	.36	.27
CD74HC08M96	296-14506-2-ND	High Speed, Quad 2-Input AND Gate	14-SOIC		390.00/2,500	
CD74HC10E	296-12774-5-ND	Triple 3-Input NAND Gate	14-Dip	.64	.48	.36
CD74HC10M	296-12775-5-ND	Triple 3-Input NAND Gate	14-SOIC	.48	.36	.27
CD74HC10M96	296-14507-1-ND	Triple 3-Input NAND Gate	14-SOIC	.48	.36	.27
CD74HC10M96	296-14507-2-ND	Triple 3-Input NAND Gate	14-SOIC		390.00/2,500	
CD74HC11M	296-9170-5-ND	Triple 3-Input AND Gate	14-SOIC	.48	.36	.27
CD74HC11M96	296-12779-1-ND	Triple 3-Input AND Gate	14-SOIC	.48	.36	.27
CD74HC11M96	296-12779-2-ND	Triple 3-Input AND Gate	14-SOIC		390.00/2,500	
CD74HC14E	296-12786-5-ND	Hex Schmitt Trigger Inverter	14-Dip	.64	.48	.36
CD74HC14M	296-9179-5-ND	Hex Schmitt Trigger Inverter	14-SOIC	.48	.36	.27
CD74HC14M96	296-9179-1-ND	Hex Schmitt Trigger Inverter	14-SOIC	.48	.36	.27
CD74HC14M96	296-9179-2-ND	Hex Schmitt Trigger Inverter	14-SOIC		390.00/2,500	
CD74HC21M	296-9186-5-ND	Dual 4-Input AND Gate	14-SOIC	.48	.36	.27
CD74HC27E	296-12802-5-ND	High Speed Triple 3-Input NOR Gate	14-Dip	.64	.48	.36
CD74HC30E	296-9196-5-ND	8-Input NAND Gate	14-Dip	.53	.42	.32
CD74HC30M	296-9197-5-ND	8-Input NAND Gate	14-SOIC	.46	.37	.26
CD74HC30M96	296-14521-1-ND	8-Input NAND Gate	14-SOIC	.46	.37	.26
CD74HC30M96	296-14521-2-ND	8-Input NAND Gate	14-SOIC		297.50/2,500	
CD74HC32E	296-12803-5-ND	HS CMOS Logic Quad 2-Input OR Gate	14-Dip	.64	.48	.36
CD74HC32M	296-12804-5-ND	HS CMOS Logic Quad 2-Input OR Gate	14-SOIC	.48	.36	.27
CD74HC32M96	296-14522-1-ND	HS CMOS Logic Quad 2-Input OR Gate	14-SOIC	.48	.36	.27
CD74HC32M96	296-14522-2-ND	HS CMOS Logic Quad 2-Input OR Gate	14-SOIC		390.00/2,500	
CD74HC73M96	296-14540-1-ND	Dual J-K Flip-Flop with Reset	14-SOIC	.60	.45	.34
CD74HC73M96	296-14540-2-ND	Dual J-K Flip-Flop with Reset	14-SOIC		487.50/2,500	
CD74HC74E	296-12819-5-ND	Dual D-Type Flip-Flop	14-Dip	.64	.48	.36
CD74HC74M	296-12820-5-ND	Dual D-Type Flip-Flop	14-SOIC	.48	.36	.27
CD74HC74M96	296-14541-1-ND	Dual D-Type Flip-Flop	14-SOIC	.48	.36	.27
CD74HC74M96	296-14541-2-ND	Dual D-Type Flip-Flop	14-SOIC		390.00/2,500	
CD74HC75E	296-9240-5-ND	Dual 2-Bit Bistable Transparent Latch	16-Dip	.88	.66	.50
CD74HC85E	296-12821-5-ND	4-Bit, High Speed, Magnitude Comparator	16-Dip	.81	.68	.54
CD74HC85M	296-9242-5-ND	4-Bit, HS, Magnitude Comparator	16-SOIC	.81	.68	.54
CD74HC85M96	296-9242-1-ND	4-Bit, HS, Magnitude Comparator	16-SOIC	.81	.68	.54
CD74HC85M96	296-9242-2-ND	4-Bit, HS, Magnitude Comparator	16-SOIC		877.50/2,500	
CD74HC86E	296-12822-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.72	.54	.41
CD74HC93M96	296-9243-1-ND	4-Bit Binary Ripple Counter	14-SOIC	.81	.68	.54
CD74HC93M96	296-9243-2-ND	4-Bit Binary Ripple Counter	14-SOIC		877.50/2,500	
CD74HC112E	296-12776-5-ND	Dual, Negative, J-K Flip-Flop with Set and Reset	16-Dip	.72	.54	.41
CD74HC112M96	296-12777-1-ND	Dual, Negative, J-K Flip-Flop with Set and Reset	16-SOIC	.64	.48	.36
CD74HC112M96	296-12777-2-ND	Dual, Negative, J-K Flip-Flop with Set and Reset	16-SOIC		520.00/2,500	
CD74HC112PWR	296-12778-1-ND	Dual, Negative, J-K Flip-Flop with Set and Reset	16-TSSOP	.64	.48	.36
CD74HC112PWR	296-12778-2-ND	Dual, Negative, J-K Flip-Flop with Set and Reset	16-TSSOP		426.00/2,000	
CD74HC123E	296-9171-5-ND	Dual Retriggerable Monostable Multivibrators with Reset	16-Dip	.53	.40	.30
CD74HC123M	296-9172-5-ND	Dual Retriggerable Monostable Multivibrators with Reset	16-SOIC	.48	.36	.27
CD74HC123M96	296-14508-1-ND	Dual Retriggerable Monostable Multivibrator with Reset	16-SOIC	.48	.36	.27
CD74HC123M96	296-14508-2-ND	Dual Retriggerable Monostable Multivibrator with Reset	16-SOIC		390.00/2,500	
CD74HC123PWR	296-12780-1-ND	Dual Retriggerable Monostable Multivibrators with Reset	16-TSSOP	.48	.36	.27
CD74HC123PWR	296-12780-2-ND	Dual Retriggerable Monostable Multivibrators with Reset	16-TSSOP		320.00/2,000	
CD74HC125E	296-12781-5-ND	Tri-State High Speed Quad Buffer	14-Dip	.72	.54	.41
CD74HC125M	296-9173-5-ND	Tri-State High Speed Quad Buffer	14-SOIC	.64	.48	.36
CD74HC125M96	296-14509-1-ND	Tri-State High Speed Quad Buffer	14-SOIC	.64	.48	.36
CD74HC125M96	296-14509-2-ND	Tri-State High Speed Quad Buffer	14-SOIC		520.00/2,500	
CD74HC126E	296-12782-5-ND	Tri-State High Speed Quad Buffer	14-Dip	.72	.54	.41
CD74HC126M	296-12783-5-ND	Tri-State High Speed Quad Buffer	14-SOIC	.64	.48	.36
CD74HC126M96	296-14510-1-ND	Tri-State High Speed Quad Buffer	14-SOIC	.64	.48	.36
CD74HC126M96	296-14510-2-ND	Tri-State High Speed Quad Buffer	14-SOIC		520.00/2,500	
CD74HC132E	296-12784-5-ND	Quad 2-Input Schmitt-Trig. NAND Gate	14-Dip	.72	.54	.41
CD74HC132M	296-12785-5-ND	Quad 2-Input Schmitt-Trig. NAND Gate	14-SOIC	.64	.48	.36
CD74HC132M96	296-9175-1-ND	Quad 2-Input Schmitt-Trig. NAND Gate	14-SOIC	.64	.48	.36
CD74HC132M96	296-9175-2-ND	Quad 2-Input Schmitt-Trig. NAND Gate	14-SOIC		520.00/2,500	
CD74HC137E	296-9176-5-ND	3-8 Line Decoder/Demultiplexer, with Address Latch	16-Dip	.53	.40	.30
CD74HC138E	296-12785-5-ND	3-8 Line Decoder/Demux, Inverting/Non-Inverting	16-Dip	.72	.54	.41
CD74HC138M	296-9177-5-ND	3-8 Line Decoder/Demux, Inverting/Non-Inverting	16-SOIC	.64	.48	.36
CD74HC138M96	296-14511-1-ND	3-8 Line Decoder/Demux, Inverting/Non-Inverting	16-SOIC	.64	.48	.36
CD74HC138M96	296-14511-2-ND	3-8 Line Decoder/Demux, Inverting/Non-Inverting	16-SOIC		520.00/2,500	
CD74HC139M96	296-14512-1-ND	Dual 2-4 Line Decoder/Demux	16-SOIC	.64	.48	.36
CD74HC139M96	296-14512-2-ND	Dual 2-4 Line Decoder/Demux	16-SOIC		520.00/2,500	
SN74HC139QPWRQ1	296-18717-1-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP	.52	.39	.30
SN74HC139QPWRQ1	296-18717-2-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP		344.00/2,000	
CD74HC147E	296-14513-5-ND	10-4 Line Priority Encoder	16-Dip	.53	.40	.30
CD74HC151M96	296-12787-1-ND	HS CMOS Logic 8-Input Mux	16-SOIC	.64	.48	.36
CD74HC151M96	296-12787-2-ND	HS CMOS Logic 8-Input Mux	16-SOIC		520.00/2,500	
CD74HC154EN	296-9181-5-ND	4-16 Line Decoder/Demultiplexer	24-Dip	.90	.75	.60
CD74HC154M	296-9182-5-ND	4-16 Line Decoder/Demultiplexer	24-SOIC	.60	.45	.34
CD74HC164E	296-12788-5-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-Dip	.72	.54	.41
CD74HC164M	296-12789-5-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC	.64	.48	.36
CD74HC164M96	296-14514-1-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC	.64	.48	.36
CD74HC164M96	296-14514-2-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC		520.00/2,500	
CD74HC165E	296-12790-5-ND	8-Bit Parallel-In/Serial-Out Shift Register	16-Dip	.72	.54	.41
CD74HC165M	296-12791-5-ND	8-Bit Parallel-In/Serial-Out Shift Register	16-SOIC	.64	.48	.36
CD74HC173PWR	296-12792-1-ND	Tri-State Quad D-Type Flip-Flop	16-TSSOP	.48	.36	.27
CD74HC173PWR	296-12792-2-ND	Tri-State Quad D-Type Flip-Flop	16-TSSOP		320.00/2,000	
CD74HC174E	296-14515-5-ND	Hex D-Type Flip-Flop with Reset	16-Dip	.72	.54	.41
CD74HC192PWR	296-12793-1-ND	Presettable Synchronous 4-Bit Up/Down Counters	16-TSSOP	.60	.45	.34
CD74HC192PWR	296-12793-2-ND	Presettable Synchronous 4-Bit Up/Down Counters	16-TSSOP		400.00/2,000	
CD74HC194E	296-9183-5-ND	4-Bit Bi-Directional Univ. Shift Register	16-Dip	.72	.54	.41
CD74HC194M	296-9185-5-ND	4-Bit Bi-Directional Univ. Shift Register	16-SOIC	.48	.36	.27
CD74HC194M96	296-9185-1-ND	4-Bit Bi-Directional Univ. Shift Register	16-SOIC	.96	.80	.64
CD74HC194M96	296-9185-2-ND	4-Bit Bi-Directional Univ. Shift Register	16-SOIC		390.00/2,500	
CD74HC194PWR	296-12794-1-ND	4-Bit Bi-Directional Univ. Shift Register	16-TSSOP	.48	.36	.27
CD74HC194PWR	296-12794-2-ND	4-Bit Bi-Directional Univ. Shift Register	16-TSSOP		320.00/2,000	
CD74HC195PWR	296-12795-1-ND	4-Bit Parallel Access Register	16-TSSOP	.92	.69	.52
CD74HC195PWR	296-12795-2-ND	4-Bit Parallel Access Register	16-TSSOP		612.00/2,000	
CD74HC221E	296-9187-5-ND	HS Dual Mono Multivibrator w/Reset	16-Dip	.66	.50	.38
CD74HC221M96	296-17789-5-ND	HS Dual Mono Multivibrator w/Reset	16-SOIC	.60	.45	.34
CD74HC221PWR	296-12796-1-ND	HS Dual Mono Multivibrator w/Reset	16-TSSOP	.60	.45	.34
CD74HC221PWR	296-12796-2-ND	HS Dual Mono Multivibrator w/Reset	16-TSSOP		400.00/2,000	
CD74HC237M96	296-12797-1-ND	3-to-8 Line Decoder Demux with Address Latches	16-SOIC	.64	.48	.36
CD74HC237M96	296-12797-2-ND	3-to-8 Line Decoder Demux with Address Latches	16-SOIC		520.00/2,500	
CD74HC237PWR	296-13813-1-ND	3-to-8 Line Decoder Demux HS, CMOS Logic	16-TSSOP	.64	.48	.36
CD74HC237PWR	296-13813-2-ND	3-to-8 Line Decoder Demux HS, CMOS Logic	16-TSSOP		426.00/2,000	
CD74HC238M	296-9188-5-ND	3-to-8 line Decoder/Demux; Inverting/Non-Inverting	16-SOIC	.48	.36	.27
CD74HC238PWR	296-13814-1-ND	3-to-8 Line Decoder/Demux, HS CMOS Logic, Inverting/Non-Inverting	16-TSSOP	.48	.36	.27
CD74HC238PWR	296-13814-2-ND	3-to-8 Line Decoder/Demux, HS CMOS Logic, Inverting/Non-Inverting	16-TSSOP		320.00/2,000	
CD74HC243M96	296-9189-1-ND	Tri-State Quad Bus Transceiver	14-SOIC	.60	.45	.34
CD74HC243M96	296-9189-2-ND	Tri-State Quad Bus Transceiver	14-SOIC		487.50/2,500	
CD74HC244E	296-12798-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.96	.72	.54
CD74HC244M	296-12799-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.76	.57	.43
CD74HC244M96	296-14516-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.76	.57	.43
CD74HC244M96	296-14516-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		506.00/2,000	
CD74HC245E	296-12800-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.96	.72	.54
CD74HC245M	296-9421-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.76	.57	.43
CD74HC245M96	296-14517-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.76	.57	.43
CD74HC245M96	296-14517-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		506.00/2,000	
CD74HC259M	296-9192-5-ND	8-Bit Addressable Latch	16-SOIC	.76	.57	.43
CD74HC259M96	296-9192-1-ND	8-Bit Addressable Latch	16-SOIC	.76	.57	.43
CD74HC259M96	296-9192-2-ND	8-Bit Addressable Latch	16-SOIC		617.50/2,500	
CD74HC273E	296-12801-5-ND	Octal D-Type Flip-Flop with Reset	20-Dip	.96	.72	.54
CD74HC280M96	296-14518-1-ND	9-Bit Odd/Even Parity Generator/ Checker	14-SOIC	.84	.63	.48
CD74HC280M96	296-14518-2-ND	9-Bit Odd/Even Parity Generator/ Checker	14-SOIC		682.50/2,500	
CD74HC283E	296-14519-5-ND	4-Bit Binary Full Adder with Fast Carry	16-Dip	.62	.47	.35
CD74HC297E	296-9193-5-ND	Digital Phase-Locked-Loop	16-Dip	2.18	1.64	1.31
CD74HC299E	296-9194-5-ND	Tri-State 8-Bit Universal Shift Register	20-Dip	.80	.60	.45
CD74HC299M	296-9195-5-ND	Tri-State 8-Bit Universal Shift Register	20-SOIC	.80	.60	.45
CD74HC299M96	296-14520-1-ND	Tri-State 8-Bit Universal Shift Register	20-SOIC	.80	.60	.45
CD74HC299M96	296-14520-2-ND	Tri-State 8-Bit Universal Shift Register	20-SOIC		532.00/2,000	
CD74HC354E	296-9198-5-ND	Tri-State 8-Input Mux/Register	20-Dip	.88	.66	.50
CD74HC367M96	296-14523-1-ND	Tri-State Hex Buffer/Line Driver, Non-Inverting/Inverting	16-SOIC	.76	.57	.43
CD74HC367M96	296-14523-2-ND	Tri-State Hex Buffer/Line Driver, Non-Inverting/Inverting	16-SOIC		617.50/2,500	
CD74HC373E	296-12805-5-ND	Tri-St. Octal Transparent D-Type Latch	20-Dip	.96	.72	.54
CD74HC373M	296-9422-5-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.76	.57	.43
CD74HC373M96	296-14524-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.76	.57	.43
CD74HC373M96	296-14524-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC		506.00/2,000	
CD74HC374E	296-12806-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.96	.72	.54
CD74HC374M	296-12807-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.76	.57	.43
CD74HC374M96	296-14525-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.76	.57	.43
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CD74HC541M	296-12814-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.80	.60	.45
CD74HC541M96	296-14538-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.80	.60	.45
CD74HC541M96	296-14538-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		532.00/2,000	
CD74HC573E	296-12815-5-ND	Tri-St. Octal Transparent D-Type Latch	20-Dip	.96	.72	.54
CD74HC573M96	296-12816-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.80	.60	.45
CD74HC573M96	296-12816-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC		532.00/2,000	
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CD74HC574M	296-12818-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
CD74HC595DWR	296-18401-1-ND	Tri-State 8-Bit Shift Register	16-SOIC	.80	.60	.45
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CD74HC4020M96	296-12809-2-ND	HS CMOS Logic 14-Bit Binary Counter	16-SOIC		372.50/2,500	
CD74HC4024E	296-9206-5-ND	7-Stage Binary Ripple Counter	14-Dip	.53	.40	.30
CD74HC4024M	296-9207-5-ND	7-Stage Binary Ripple Counter	14-SOIC	.48	.36	.27
CD74HC4040M96	296-14527-1-ND	12-Stage Binary Counter	16-SOIC	.64	.48	.36
CD74HC4040M96	296-14527-2-ND	12-Stage Binary Counter	16-SOIC		520.00/2,500	
CD74HC4046AE	296-9208-5-ND	Phase-Locked-Loop with VCO	16-Dip	.60	.45	.34
CD74HC4046AM	296-9209-5-ND	Phase-Locked-Loop with VCO	16-SOIC	.60	.45	.34
CD74HC4046AM96	296-14528-1-ND	Phase-Locked-Loop with VCO	16-SOIC	.60	.45	.34
CD74HC4046AM96	296-14528-2-ND	Phase-Locked-Loop with VCO	16-SOIC		487.50/2,500	
CD74HC4046APWR	296-9210-1-ND	Phase-Locked-Loop with VCO	16-TSSOP	.60	.45	.34
CD74HC4046APWR	296-9210-2-ND	Phase-Locked-Loop with VCO	16-TSSOP		400.00/2,000	
CD74HC4049E	296-9211-5-ND	Hex Inverting Buffer	16-Dip	.62	.47	.35
CD74HC4049M	296-9212-5-ND	Hex Inverting Buffer	16-SOIC	.56	.42	.32
CD74HC4049PWR	296-15717-1-ND	Hex Inverting Buffer	16-TSSOP	.56	.42	.32
CD74HC4049PWR	296-15717-2-ND	Hex Inverting Buffer	16-TSSOP		372.00/2,000	
CD74HC4050E	296-9213-5-ND	Hex Non-Inverting Buffer	16-Dip	.55	.44	.33
CD74HC4050M	296-9214-5-ND	Hex Non-Inverting Buffer	16-SOIC	.50	.40	.30
CD74HC4050M96	296-14529-1-ND	Hex Non-Inverting Buffer	16-SOIC	.50	.40	.30
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CD74HC4050PWR	296-9215-1-ND	Hex Non-Inverting Buffer	16-TSSOP	.50	.40	.30
CD74HC4050PWR	296-9215-2-ND	Hex Non-Inverting Buffer	16-TSSOP		280.00/2,000	
CD74HC4051E	296-12810-5-ND	HS CMOS Logic Analog Mux/Demux	16-Dip	.48	.37	.28
CD74HC4051M	296-9216-5-ND	HS CMOS Logic Analog Mux/Demux	16-SOIC	.55	.44	.33
CD74HC4051M96	296-14530-1-ND	HS CMOS Logic Analog Mux/Demux	16-SOIC	.50	.40	.30
CD74HC4051M96	296-14530-2-ND	HS CMOS Logic Analog Mux/Demux	16-SOIC		335.00/2,500	
CD74HC4051PWR	296-13031-1-ND	HS CMOS Logic Analog Mux/Demux	16-TSSOP	.50	.40	.30
CD74HC4051PWR	296-13031-2-ND	HS CMOS Logic Analog Mux/Demux	16-TSSOP		308.00/2,000	
CD74HC4052E	296-9217-5-ND	Dual 4-Channel Analog Mux/Demux	16-Dip	.53	.40	.30
CD74HC4052M	296-9218-5-ND	Dual 4-Channel Analog Mux/Demux	16-SOIC	.48	.36	.27
CD74HC4052M96	296-14531-1-ND	Dual 4-Channel Analog Mux/Demux	16-SOIC	.48	.36	.27
CD74HC4052M96	296-14531-2-ND	Dual 4-Channel Analog Mux/Demux	16-SOIC		390.00/2,500	
CD74HC4052PWR	296-17619-1-ND	Dual 4-Channel Analog Mux/Demux	16-TSSOP	.48	.36	.27
CD74HC4052PWR	296-17619-2-ND	Dual 4-Channel Analog Mux/Demux	16-TSSOP		320.00/2,000	
CD74HC4053E	296-9219-5-ND	Triple 2-Channel Analog Mux/Demux	16-Dip	.55	.44	.33
CD74HC4053M	296-9220-5-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
CD74HC4053M96	296-14532-1-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
CD74HC4053M96	296-14532-2-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC		337.50/2,500	
CD74HC4053PWR	296-12111-1-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP	.50	.40	.30
CD74HC4053PWR	296-12111-2-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP		280.00/2,000	
CD74HC4059M96	296-9221-1-ND	CMOS Prog. Divide-by-N Counter	24-SOIC	2.48	1.98	1.49
CD74HC4059M96	296-9221-2-ND	CMOS Prog. Divide-by-N Counter	24-SOIC		2574.00/2,000	
CD74HC4060M	296-9222-5-ND	14-Stage Binary Counter with Oscillator	16-SOIC	.48	.36	.27
CD74HC4066E	296-14533-5-ND	Quad Bilateral Switch	14-Dip	.48	.37	.28
CD74HC4066M	296-9224-5-ND	Quad Bilateral Switch	14-SOIC	.55	.44	.33
CD74HC4066M96	296-9224-1-ND	Quad Bilateral Switch	14-SOIC	.50	.40	.30
CD74HC4060M96	296-9224-2-ND	Quad Bilateral Switch	14-SOIC		372.50/2,500	
CD74HC4066PWR	296-16703-1-ND	High Speed CMOS Logic Quad Bilateral Switch	14-TSSOP	.50	.40	.30
CD74HC4066PWR	296-16703-2-ND	High Speed CMOS Logic Quad Bilateral Switch	14-TSSOP		308.00/2,000	
CD74HC4067M	296-9225-5-ND	16-Channel Analog Mux/Demux	24-SOIC	.72	.54	.41
CD74HC4067SM96	296-9226-1-ND	16-Channel Analog Mux/Demux	24-SSOP	.88	.66	.50
CD74HC4067SM96	296-9226-2-ND	16-Channel Analog Mux/Demux	24-SSOP		586.00/2,000	
CD74HC4075M	296-9227-5-ND	Triple 3-Input OR Gate	14-SOIC	.48	.36	.27
CD74HC4075M96	296-14534-1-ND	Triple 3-Input OR Gate	14-SOIC	.48	.36	.27
CD74HC4075M96	296-14534-2-ND	Triple 3-Input OR Gate	14-SOIC		390.00/2,500	
CD74HC4075PWR	296-9228-1-ND	Triple 3-Input OR Gate	14-TSSOP	.52	.39	.30
CD74HC4075PWR	296-9228-2-ND	Triple 3-Input OR Gate	14-TSSOP		346.00/2,000	
CD74HC4094M	296-14290-5-ND	Tri-State 8-Stage Bus Register	16-SOIC	.48	.36	.27
CD74HC4094M96	296-14535-1-ND	Tri-State 8-Stage Bus Register	16-SOIC	.48	.36	.27
CD74HC4094M96	296-14535-2-ND	Tri-State 8-Stage Bus Register	16-SOIC		390.00/2,500	
CD74HC4316M	296-9230-5-ND	Quad Analog Switch with Level Translation	16-SOIC	.72	.54	.41
CD74HC4316M96	296-14536-1-ND	Quad Analog Switch with Level Translation	16-SOIC	.72	.54	.41
CD74HC4316M96	296-14536-2-ND	Quad Analog Switch with Level Translation	16-SOIC		585.00/2,500	
CD74HC4351E	296-9231-5-ND	Analog Mux/Demux with Latch	20-Dip	.84	.70	.56
CD74HC4511E	296-14537-5-ND	BCD-to-7 Segment Latch/Decoder/Driver	16-Dip	.80	.60	.45
CD74HC4511M	296-9232-5-ND	BCD-to-7 Segment Latch/Decoder/Driver	16-SOIC	.80	.60	.45
CD74HC4515M	296-9233-5-ND	4-16 Line Decoder/Demux with Input Latch	24-SOIC	2.13	1.70	1.28
CD74HC4538E	296-12811-5-ND	Dual Retriggerable Precision Monostable Multivibrator	16-Dip	.80	.60	.45
CD74HC4538M	296-9234-5-ND	Dual Retriggerable Precision Monostable Multivibrator	16-SOIC	.72	.54	.41
CD74HC7046AE	296-9237-5-ND	PLL with VCO/Lock Detector	16-Dip	1.93	1.54	1.16
CD74HC7046AM	296-9238-5-ND	PLL with VCO/Lock Detector	16-SOIC	1.93	1.54	1.16
CD74HC7266M	296-9239-5-ND	Quad 2-Input Exclusive NOR Gate	14-SOIC	.78	.65	.52
CD74HC40103E	296-9200-5-ND	8-Stage Synchronous Down Counter	16-Dip	.81	.68	.54
CD74HC40103M	296-9201-5-ND	8-Stage Synchronous Down Counter	16-SOIC	.81	.68	.54
CD74HC40105E	296-9202-5-ND	4-Bit by 16-Word FIFO Register	16-Dip	.78	.65	.52
CD74HC40105M96	296-9203-1-ND	4-Bit by 16-Word FIFO Register	16-SOIC	.78	.65	.52
CD74HC40105M96	296-9203-2-ND	4-Bit by 16-Word FIFO Register	16-SOIC		845.00/2,500	
N74HC00D	296-1187-5-ND	Quad 2-Input NAND Gate	14-SOIC	.46	.37	.26
N74HC00DR	296-1187-1-ND	Quad 2-Input NAND Gate	14-SOIC	.46	.37	.26

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74HC00DR	296-1187-2-ND	Quad 2-Input NAND Gate	14-SOIC		297.50/2,500	
SN74HC00N	296-1563-5-ND	Quad 2-Input NAND Gate	14-Dip	.53	.42	.32
SN74HC00NSR	296-8202-1-ND	Quad 2-Input NAND Gate	14-SOP	.51	.42	.29
SN74HC00NSR	296-8202-2-ND	Quad 2-Input NAND Gate	14-SOP		284.00/2,000	
SN74HC00PWR	296-8203-1-ND	Quad 2-Input NAND Gate	14-TSSOP	.46	.37	.26
SN74HC00PWR	296-8203-2-ND	Quad 2-Input NAND Gate	14-TSSOP		252.00/2,000	
SN74HC00QDRQ1	296-18232-1-ND	Quad 2-Input NAND Gate	14-SOIC	.41	.33	.25
SN74HC00QDRQ1	296-18232-2-ND	Quad 2-Input NAND Gate	14-SOIC		277.50/2,500	
SN74HC02D	296-1188-5-ND	Quad 2-Input NOR Gate	14-SOIC	.46	.37	.26
SN74HC02DR	296-1188-1-ND	Quad 2-Input NOR Gate	14-SOIC	.46	.37	.26
SN74HC02DR	296-1188-2-ND	Quad 2-Input NOR Gate	14-SOIC		297.50/2,500	
SN74HC02DBR	296-8204-1-ND	Quad 2-Input NOR Gate	14-SSOP	.46	.37	.26
SN74HC02DBR	296-8204-2-ND	Quad 2-Input NOR Gate	14-SSOP		252.00/2,000	
SN74HC02N	296-1564-5-ND	Quad 2-Input NOR Gate	14-Dip	.53	.42	.32
SN74HC02NSR	296-8205-1-ND	Quad 2-Input NOR Gate	14-SOP	.51	.42	.29
SN74HC02NSR	296-8205-2-ND	Quad 2-Input NOR Gate	14-SOP		284.00/2,000	
SN74HC02PWR	296-8206-1-ND	Quad 2-Input NOR Gate	14-TSSOP	.46	.37	.26
SN74HC02PWR	296-8206-2-ND	Quad 2-Input NOR Gate	14-TSSOP		252.00/2,000	
SN74HC02QPWREP	296-19505-1-ND	Quad 2-Input NOR Gate	14-TSSOP	.76	.57	.43
SN74HC02QPWREP	296-19505-2-ND	Quad 2-Input NOR Gate	14-TSSOP		506.00/2,000	
SN74HC03D	296-9817-5-ND	Quad 2-In. NAND Gate with OD Output	14-SOIC	.46	.37	.26
SN74HC03DR	296-14826-1-ND	Quad 2-In. NAND Gate with OD Output	14-SOIC	.46	.37	.26
SN74HC03DR	296-14826-2-ND	Quad 2-In. NAND Gate with OD Output	14-SOIC		297.50/2,500	
SN74HC03N	296-8207-5-ND	Quad 2-In. NAND Gate with OD Output	14-Dip	.53	.42	.32
SN74HC04D	296-1189-5-ND	Hex Inverter	14-SOIC	.46	.37	.26
SN74HC04DBR	296-19247-1-ND	Hex Inverter	14-SSOP	.46	.37	.26
SN74HC04DBR	296-19247-2-ND	Hex Inverter	14-SSOP		252.00/2,000	
SN74HC04DR	296-1189-1-ND	Hex Inverter	14-SOIC	.46	.37	.26
SN74HC04DR	296-1189-2-ND	Hex Inverter	14-SOIC		297.50/2,500	
SN74HC04N	296-1566-5-ND	Hex Inverter	14-Dip	.53	.42	.32
SN74HC04NSR	296-12883-1-ND	Hex Inverter	14-SOP	.51	.42	.29
SN74HC04NSR	296-12883-2-ND	Hex Inverter	14-SOP		284.00/2,000	
SN74HC04PWR	296-8208-1-ND	Hex Inverter	14-TSSOP	.46	.37	.26
SN74HC04PWR	296-8208-2-ND	Hex Inverter	14-TSSOP		252.00/2,000	
SN74HC05D	296-1190-5-ND	Hex Inverter with OD	14-SOIC	.46	.37	.26
SN74HC05DR	296-1190-1-ND	Hex Inverter with OD	14-SOIC	.46	.37	.26
SN74HC05DR	296-1190-2-ND	Hex Inverter with OD	14-SOIC		297.50/2,500	
SN74HC05N	296-1568-5-ND	Hex Inverter with OD	14-Dip	.53	.42	.32
SN74HC08D	296-1191-5-ND	Quad 2-Input AND Gate	14-SOIC	.46	.37	.26
SN74HC08DR	296-1191-1-ND	Quad 2-Input AND Gate	14-SOIC	.46	.37	.26
SN74HC08DR	296-1191-2-ND	Quad 2-Input AND Gate	14-SOIC		297.50/2,500	
SN74HC08N	296-1570-5-ND	Quad 2-Input AND Gate	14-Dip	.53	.42	.32
SN74HC08NSR	296-12884-1-ND	Quad 2-Input AND Gate	14-SOP	.51	.42	.29
SN74HC08NSR	296-12884-2-ND	Quad 2-Input AND Gate	14-SOP		284.00/2,000	
SN74HC08PWR	296-8210-1-ND	Quad 2-Input AND Gate	14-TSSOP	.46	.37	.26
SN74HC08PWR	296-8210-2-ND	Quad 2-Input AND Gate	14-TSSOP		252.00/2,000	
SN74HC10D	296-8213-5-ND	Triple 3-Input NAND Gate	14-SOIC	.46	.37	.26
SN74HC10DR	296-14828-1-ND	Triple 3-Input NAND Gate	14-SOIC	.46	.37	.26
SN74HC10DR	296-14828-2-ND	Triple 3-Input NAND Gate	14-SOIC		297.50/2,500	
SN74HC10N	296-8214-5-ND	Triple 3-Input NAND Gate	14-Dip	.53	.42	.32
SN74HC11D	296-8216-5-ND	Triple 3-Input Positive AND Gate	14-SOIC	.46	.37	.26
SN74HC11DR	296-14830-1-ND	Triple 3-Input Positive AND Gate	14-SOIC	.46	.37	.26
SN74HC11DR	296-14830-2-ND	Triple 3-Input Positive AND Gate	14-SOIC		297.50/2,500	
SN74HC11N	296-8217-5-ND	Triple 3-Input Positive AND Gate	14-Dip	.53	.42	.32
SN74HC11NSR	296-12885-1-ND	Triple 3-Input Positive AND Gate	14-SOP	.51	.42	.29
SN74HC11NSR	296-12885-2-ND	Triple 3-Input Positive AND Gate	14-SOP		284.00/2,000	
SN74HC11PWR	296-13611-1-ND	Triple 3-Input Positive AND Gate	14-TSSOP	.46	.37	.26
SN74HC11PWR	296-13611-2-ND	Triple 3-Input Positive AND Gate	14-TSSOP		252.00/2,000	
SN74HC14D	296-1194-5-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.46	.37	.26
SN74HC14DR	296-1194-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.46	.37	.26
SN74HC14DR	296-1194-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		260.00/2,500	
SN74HC14N	296-1577-5-ND	Hex Schmitt-Trigger Inverter	14-Dip	.53	.42	.32
SN74HC14NSR	296-12887-1-ND	Hex Schmitt-Trigger Inverter	14-SOP	.51	.42	.29
SN74HC14NSR	296-12887-2-ND	Hex Schmitt-Trigger Inverter	14-SOP		284.00/2,000	
SN74HC14PWR	296-8234-1-ND	Hex Schmitt-Trigger Inverter	14-TSSOP	.46	.37	.26
SN74HC14PWR	296-8234-2-ND	Hex Schmitt-Trigger Inverter	14-TSSOP		252.00/2,000	
SN74HC14QDRQ1	296-19248-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.41	.33	.25
SN74HC14QDRQ1	296-19248-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		277.50/2,500	
SN74HC14QPWRQ1	296-17530-1-ND	Hex Schmitt-Trigger Inverter	14-TSSOP	.44	.35	.27
SN74HC14QPWRQ1	296-17530-2-ND	Hex Schmitt-Trigger Inverter	14-TSSOP		244.00/2,000	
SN74HC20D	296-8263-1-ND	Dual 4-Input NAND Gate	14-SOIC	.46	.37	.26
SN74HC20DR	296-8263-2-ND	Dual 4-Input NAND Gate	14-SOIC		297.50/2,500	
SN74HC20N	296-12892-5-ND	Dual 4-Input NAND Gate	14-Dip	.53	.42	.32
SN74HC20NSR	296-12893-1-ND	Dual 4-Input NAND Gate	14-SOP	.51	.42	.29
SN74HC20NSR	296-12893-2-ND	Dual 4-Input NAND Gate	14-SOP		284.00/2,000	
SN74HC21D	296-8265-5-ND	Dual 4-Input Positive AND Gate	14-SOIC	.46	.37	.26
SN74HC21DR	296-14842-1-ND	Dual 4-Input Positive AND Gate	14-SOIC	.46	.37	.26
SN74HC21DR	296-14842-2-ND	Dual 4-Input Positive AND Gate	14-SOIC		297.50/2,500	
SN74HC21N	296-8266-5-ND	Dual 4-Input Positive AND Gate	14-Dip	.53	.42	.32
SN74HC21NSR	296-13216-1-ND	Dual 4-Input Positive AND Gate	14-SOP	.51	.42	.29
SN74HC21NSR	296-13216-2-ND	Dual 4-Input Positive AND Gate	14-SOP		284.00/2,000	
SN74HC21PWR	296-15846-1-ND	Dual 4-Input Positive AND Gate	14-TSSOP	.46	.37	.26
SN74HC21PWR	296-15846-2-ND	Dual 4-Input Positive AND Gate	14-TSSOP		252.00/2,000	
SN74HC21QPWRQ1	296-18317-1-ND	Dual 4-Input Positive AND Gate	14-TSSOP	.41	.33	.25
SN74HC21QPWRQ1	296-18317-2-ND	Dual 4-Input Positive AND Gate	14-TSSOP		230.00/2,000	
SN74HC27D	296-8298-5-ND	Triple 3-Input NOR Gate	14-SOIC	.46	.37	.26
SN74HC27DR	296-14848-1-ND	Triple 3-Input NOR Gate	14-SOIC	.46	.37	.26
SN74HC27DR	296-14848-2-ND	Triple 3-Input NOR Gate	14-SOIC		297.50/2,500	
SN74HC27N	296-12896-5-ND	Triple 3-Input NOR Gate	14-Dip	.53	.42	.32
SN74HC27NSR	296-8299-1-ND	Triple 3-Input NOR Gate	14-SOP	.51	.42	.29
SN74HC27NSR	296-8299-2-ND	Triple 3-Input NOR Gate	14-SOP		284.00/2,000	
SN74HC32D	296-1199-5-ND	Quad 2-Input OR Gate	14-SOIC	.46	.37	.26
SN74HC32DR	296-1199-1-ND	Quad 2-Input OR Gate	14-SOIC	.46	.37	.26
SN74HC32DR	296-1199-2-ND	Quad 2-Input OR Gate	14-SOIC		297.50/2,500	
SN74HC32DBR	296-8301-1-ND	Quad 2-Input OR Gate	14-SSOP	.46	.37	.26
SN74HC32DBR	296-8301-2-ND	Quad 2-Input OR Gate	14-SSOP		252.00/2,000	
SN74HC32N	296-1589-5-ND	Quad 2-Input OR Gate	14-Dip	.53	.42	.32
SN74HC32PWR	296-8302-1-ND	Quad 2-Input OR Gate	14-TSSOP	.46	.37	.26
SN74HC32PWR	296-8302-2-ND	Quad 2-Input OR Gate	14-TSSOP		252.00/2,000	
SN74HC42D	296-8331-5-ND	4-to-10 Line Decoder (1 of 10)	16-SOIC	.96	.72	.54

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SN74HC42DR	296-8331-1-ND	4-to-10 Line Decoder (1-of-10)	16-SOIC	.96	.72	.54
SN74HC42DR	296-8331-2-ND	4-to-10 Line Decoder (1-of-10)	16-SOIC		780.00/2,500	
SN74HC42N	296-8332-5-ND	4-to-10 Line Decoder (1-of-10)	16-Dip	.96	.72	.54
SN74HC74D	296-1204-5-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SOIC	.46	.37	.26
SN74HC74DR	296-1204-1-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SOIC	.46	.37	.26
SN74HC74DR	296-1204-2-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SOIC		260.00/2,500	
SN74HC74DBR	296-8370-1-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SSOP	.46	.37	.26
SN74HC74DBR	296-8370-2-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SSOP		252.00/2,000	
SN74HC74N	296-1602-5-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-Dip	.53	.42	.32
SN74HC74NSR	296-8371-1-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SOP	.51	.42	.29
SN74HC74NSR	296-8371-2-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-SOP		284.00/2,000	
SN74HC74PWR	296-8372-1-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-TSSOP	.46	.37	.26
SN74HC74PWR	296-8372-2-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-TSSOP		252.00/2,000	
SN74HC74QPWRQ1	296-19255-1-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-TSSOP	.44	.35	.27
SN74HC74QPWRQ1	296-19255-2-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop with Clear/Preset	14-TSSOP		244.00/2,000	
SN74HC86D	296-8374-5-ND	Quad 2-Input Exclusive-OR Gate	14-SOIC	.46	.37	.26
SN74HC86DR	296-14859-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.46	.37	.26
SN74HC86DR	296-14859-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		297.50/2,500	
SN74HC86N	296-8375-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.53	.42	.32
SN74HC86PWR	296-8376-1-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP	.40	.32	.24
SN74HC86PWR	296-8376-2-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP		224.00/2,000	
SN74HC109D	296-8211-5-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC	.45	.36	.27
SN74HC109DR	296-14827-1-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC	.45	.36	.27
SN74HC109DR	296-14827-2-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC		305.00/2,500	
SN74HC109N	296-8212-5-ND	Dual J-K Flip-Flop with Clear and Preset	16-Dip	.53	.42	.32
SN74HC112D	296-8215-5-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC	.55	.44	.33
SN74HC112DR	296-14829-1-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC	.55	.44	.33
SN74HC112DR	296-14829-2-ND	Dual J-K Flip-Flop with Clear and Preset	16-SOIC		372.50/2,500	
SN74HC112N	296-12121-5-ND	Dual J-K Flip-Flop with Clear and Preset	16-Dip	.55	.44	.33
SN74HC125D	296-1192-5-ND	Quad Tri-State Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74HC125DR	296-1192-1-ND	Quad Tri-State Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74HC125DR	296-1192-2-ND	Quad Tri-State Bus Buffer Gate	14-SOIC		372.50/2,500	
SN74HC125DBR	296-8218-1-ND	Quad Tri-State Bus Buffer Gate	14-SSOP	.55	.44	.33
SN74HC125DBR	296-8218-2-ND	Quad Tri-State Bus Buffer Gate	14-SSOP		308.00/2,000	
SN74HC125N	296-1572-5-ND	Quad Tri-State Bus Buffer Gate	14-Dip	.48	.36	.27
SN74HC125PWT	296-16821-1-ND	Quad Tri-State Bus Buffer Gate	14-TSSOP	.78	.65	.52
SN74HC125PWT	296-16821-2-ND	Quad Tri-State Bus Buffer Gate	14-TSSOP		97.50/250	
SN74HC126D	296-8219-5-ND	Quad Tri-State Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74HC126DBR	296-8220-1-ND	Quad Tri-State Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74HC126DBR	296-8220-2-ND	Quad Tri-State Bus Buffer Gate	14-SSOP		308.00/2,000	
SN74HC126DR	296-14831-1-ND	Quad Tri-State Bus Buffer Gate	14-SOIC	.55	.44	.33
SN74HC126DR	296-14831-2-ND	Quad Tri-State Bus Buffer Gate	14-SOIC		372.50/2,500	
SN74HC126N	296-8221-5-ND	Quad Tri-State Bus Buffer Gate	14-Dip	.48	.36	.27
SN74HC126NSR	296-8222-1-ND	Quad Tri-State Bus Buffer Gate	14-SOP	.55	.44	.33
SN74HC126NSR	296-8222-2-ND	Quad Tri-State Bus Buffer Gate	14-SOP		308.00/2,000	
SN74HC126PWT	296-16822-1-ND	Quad Tri-State Bus Buffer Gate	14-TSSOP	.78	.65	.52
SN74HC126PWT	296-16822-2-ND	Quad Tri-State Bus Buffer Gate	14-TSSOP		97.50/250	
SN74HC132D	296-8224-5-ND	Quad NAND Gate w/Schmitt-Trigger In	14-SOIC	.55	.44	.33
SN74HC132DBR	296-8225-1-ND	Quad NAND Gate w/Schmitt-Trigger In	14-SSOP	.55	.44	.33
SN74HC132DBR	296-8225-2-ND	Quad NAND Gate w/Schmitt-Trigger In	14-SSOP		308.00/2,000	
SN74HC132DR	296-14832-1-ND	Quad NAND Gate w/Schmitt-Trigger In	14-SOIC	.55	.44	.33
SN74HC132DR	296-14832-2-ND	Quad NAND Gate w/Schmitt-Trigger In	14-SOIC		372.50/2,500	
SN74HC132N	296-1573-5-ND	Quad NAND Gate w/Schmitt-Trigger In	14-Dip	.48	.36	.27
SN74HC132PWR	296-8226-1-ND	Quad NAND Gate w/Schmitt-Trigger In	14-TSSOP	.55	.44	.33
SN74HC132PWR	296-8226-2-ND	Quad NAND Gate w/Schmitt-Trigger In	14-TSSOP		308.00/2,000	
SN74HC138D	296-1193-5-ND	3-to-8 Line Decoder/Demux	16-SOIC	.55	.44	.33
SN74HC138DR	296-1193-1-ND	3-to-8 Line Decoder/Demux	16-SOIC	.55	.44	.33
SN74HC138DR	296-1193-2-ND	3-to-8 Line Decoder/Demux	16-SOIC		372.50/2,500	
SN74HC138DBR	296-8227-1-ND	3-to-8 Line Decoder/Demux	16-SSOP	.55	.44	.33
SN74HC138DBR	296-8227-2-ND	3-to-8 Line Decoder/Demux	16-SSOP		308.00/2,000	
SN74HC138N	296-1575-5-ND	3-to-8 Line Decoder/Demux	16-Dip	.48	.36	.27
SN74HC138NSR	296-12886-1-ND	3-to-8 Line Decoder/Demux	16-SOP	.55	.44	.33
SN74HC138NSR	296-12886-2-ND	3-to-8 Line Decoder/Demux	16-SOP		308.00/2,000	
SN74HC138PWR	296-8228-1-NQ	3-to-8 Line Decoder/Demux	16-TSSOP	.55	.44	.33
SN74HC138PWR	296-8228-2-ND	3-to-8 Line Decoder/Demux	16-TSSOP		308.00/2,000	
SN74HC139D	296-8229-5-ND	Dual 2-4 Line Decoder/Demux	16-SOIC	.55	.44	.33
SN74HC139DR	296-14833-1-ND	Dual 2-4 Line Decoder/Demux	16-SOIC	.55	.44	.33
SN74HC139DR	296-14833-2-ND	Dual 2-4 Line Decoder/Demux	16-SOIC		372.50/2,500	
SN74HC139N	296-8230-5-ND	Dual 2-4 Line Decoder/Demux	16-Dip	.48	.36	.27
SN74HC139PWR	296-8231-1-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP	.55	.44	.33
SN74HC139PWR	296-8231-2-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP		308.00/2,000	
SN74HC148D	296-8232-5-ND	8-to-3 Line Priority Encoder	16-SOIC	.55	.44	.33
SN74HC148N	296-8233-5-ND	8-to-3 Line Priority Encoder	16-Dip	.55	.44	.33
SN74HC151D	296-8235-5-ND	8-1 Line Data Selector/Mux	16-SOIC	.55	.44	.33
SN74HC151DR	296-14834-1-ND	8-1 Line Data Selector/Mux	16-SOIC	.55	.44	.33
SN74HC151DR	296-14834-2-ND	8-1 Line Data Selector/Mux	16-SOIC		372.50/2,500	
SN74HC151N	296-8236-5-ND	8-1 Line Data Selector/Mux	16-Dip	.48	.36	.27
SN74HC153D	296-8237-5-ND	Dual 4-1 Line Data Selector/Mux	16-SOIC	.55	.44	.33
SN74HC153DR	296-14835-1-ND	Dual 4-1 Line Data Selector/Mux	16-SOIC	.55	.44	.33
SN74HC153DR	296-14835-2-ND	Dual 4-1 Line Data Selector/Mux	16-SOIC		372.50/2,500	
SN74HC153PWR	296-12888-1-ND	Dual 4-1 Line Data Selector/Mux	16-TSSOP	.55	.44	.33
SN74HC153PWR	296-12888-2-ND	Dual 4-1 Line Data Selector/Mux	16-TSSOP		308.00/2,000	
SN74HC153N	296-8238-5-ND	Dual 4-1 Line Data Selector/Mux	16-Dip	.48	.36	.27
SN74HC157D	296-8239-5-ND	Quad 2-1 Data Selector/Mux	16-SOIC	.48	.36	.27
SN74HC157DR	296-14836-1-ND	Quad 2-1 Data Selector/Mux	16-SOIC	.48	.36	.27
SN74HC157DR	296-14836-2-ND	Quad 2-1 Data Selector/Mux	16-SOIC		390.00/2,500	
SN74HC157N	296-1578-5-ND	Quad 2-1 Data Selector/Mux	16-Dip	.53	.40	.30
SN74HC157NSR	296-8240-1-ND	Quad 2-1 Data Selector/Mux	16-SOP	.48	.36	.27
SN74HC157NSR	296-8240-2-ND	Quad 2-1 Data Selector/Mux	16-SOP		320.00/2,000	
SN74HC161D	296-8243-5-ND	4-Bit Sync. Binary Counter	16-SOIC	.55	.44	.33
SN74HC161DR	296-14837-1-ND	4-Bit Sync. Binary Counter	16-SOIC	.55	.44	.33

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74HC161DR	296-14837-2-ND	4-Bit Sync. Binary Counter	16-SOIC		372.50/2,500	
SN74HC161N	296-8244-5-ND	4-Bit Sync. Binary Counter	16-Dip	.53	.40	.30
SN74HC163D	296-8245-5-ND	4-Bit Sync. Binary Counter	16-SOIC	.55	.44	.33
SN74HC163N	296-8246-5-ND	4-Bit Sync. Binary Counter	16-Dip	.48	.36	.27
SN74HC163NSR	296-12889-1-ND	4-Bit Sync. Binary Counter	16-SOP	.55	.44	.33
SN74HC163NSR	296-12889-2-ND	4-Bit Sync. Binary Counter	16-SOP		308.00/2,000	
SN74HC164D	296-8247-5-ND	8-Bit Parallel-Out Serial Shift Register	14-SOIC	.55	.44	.33
SN74HC164DR	296-14838-1-ND	8-Bit Parallel-Out Serial Shift Register	14-SOIC	.55	.44	.33
SN74HC164DR	296-14838-2-ND	8-Bit Parallel-Out Serial Shift Register	14-SOIC		372.50/2,500	
SN74HC164N	296-8248-5-ND	8-Bit Parallel-Out Serial Shift Register	14-Dip	.48	.36	.27
SN74HC164PWR	296-14020-1-ND	8-Bit Parallel-Out Serial Shift Register	14-TSSOP	.55	.44	.33
SN74HC164PWR	296-14020-2-ND	8-Bit Parallel-Out Serial Shift Register	14-TSSOP		308.00/2,000	
SN74HC165D	296-8249-5-ND	8-Bit Parallel-Load Shift Register	16-SOIC	.55	.44	.33
SN74HC165DR	296-8250-1-ND	8-Bit Parallel-Load Shift Register	16-SOIC	.55	.44	.33
SN74HC165DR	296-8250-2-ND	8-Bit Parallel-Load Shift Register	16-SOIC		297.50/2,500	
SN74HC165N	296-8251-5-ND	8-Bit Parallel-Load Shift Register	16-Dip	.48	.36	.27
SN74HC165NSR	296-8252-1-ND	8-Bit Parallel-Load Shift Register	16-SOP	.55	.44	.33
SN74HC165NSR	296-8252-2-ND	8-Bit Parallel-Load Shift Register	16-SOP		308.00/2,000	
SN74HC165PWR	296-8253-1-ND	8-Bit Parallel-Load Shift Register	16-TSSOP	.55	.44	.33
SN74HC165PWR	296-8253-2-ND	8-Bit Parallel-Load Shift Register	16-TSSOP		308.00/2,000	
SN74HC166D	296-8254-5-ND	8-Bit Parallel-Load Shift Register	16-SOIC	.55	.44	.33
SN74HC166DR	296-14839-1-ND	8-Bit Parallel-Load Shift Register	16-SOIC	.55	.44	.33
SN74HC166DR	296-14839-2-ND	8-Bit Parallel-Load Shift Register	16-SOIC		372.50/2,500	
SN74HC166N	296-8255-5-ND	8-Bit Parallel-Load Shift Register	16-Dip	.48	.36	.27
SN74HC166NSR	296-13214-1-ND	8-Bit Parallel-Load Shift Register	16-SOP	.55	.44	.33
SN74HC166NSR	296-13214-2-ND	8-Bit Parallel-Load Shift Register	16-SOP		308.00/2,000	
SN74HC174D	296-1195-5-ND	Hex D-Type Flip-Flop with Clear	16-SOIC	.55	.44	.33
SN74HC174DBR	296-19249-1-ND	Hex D-Type Flip-Flop with Clear	16-SSOP	.55	.44	.33
SN74HC174DBR	296-19249-2-ND	Hex D-Type Flip-Flop with Clear	16-SSOP		308.00/2,000	
SN74HC174DR	296-1195-1-ND	Hex D-Type Flip-Flop with Clear	16-SOIC	.55	.44	.33
SN74HC174DR	296-1195-2-ND	Hex D-Type Flip-Flop with Clear	16-SOIC		372.50/2,500	
SN74HC174N	296-1579-5-ND	Hex D-Type Flip-Flop with Clear	16-Dip	.48	.36	.27
SN74HC174NSR	296-13215-1-ND	Hex D-Type Flip-Flop with Clear	16-SOP	.55	.44	.33
SN74HC174NSR	296-13215-2-ND	Hex D-Type Flip-Flop with Clear	16-SOP		308.00/2,000	
SN74HC175D	296-8256-5-ND	Quad D-Type Flip-Flop with Clear	16-SOIC	.55	.44	.33
SN74HC175DR	296-14840-1-ND	Quad D-Type Flip-Flop with Clear	16-SOIC	.55	.44	.33
SN74HC175DR	296-14840-2-ND	Quad D-Type Flip-Flop with Clear	16-SOIC		372.50/2,500	
SN74HC175N	296-8257-5-ND	Quad D-Type Flip-Flop with Clear	16-Dip	.48	.36	.27
SN74HC175PWR	296-8258-1-ND	Quad D-Type Flip-Flop with Clear	16-TSSOP	.55	.44	.33
SN74HC175PWR	296-8258-2-ND	Quad D-Type Flip-Flop with Clear	16-TSSOP		308.00/2,000	
SN74HC191D	296-8259-5-ND	4-Bit Sync. Up/Down Binary Counter	16-SOIC	.48	.36	.27
SN74HC191DR	296-14841-1-ND	4-Bit Sync. Up/Down Binary Counter	16-SOIC	.48	.36	.27
SN74HC191DR	296-14841-2-ND	4-Bit Sync. Up/Down Binary Counter	16-SOIC		390.00/2,500	
SN74HC191N	296-8260-5-ND	4-Bit Sync. Up/Down Binary Counter	16-Dip	.53	.40	.30
SN74HC191NSR	296-12890-1-ND	4-Bit Sync. Up/Down Binary Counter	16-SOP	.48	.36	.27
SN74HC191NSR	296-12890-2-ND	4-Bit Sync. Up/Down Binary Counter	16-SOP		320.00/2,000	
SN74HC193D	296-8261-5-ND	4-Bit Sync. Up/Down Counter (Dual Clock with Clear)	16-SOIC	.48	.36	.27
SN74HC193N	296-8262-5-ND	4-Bit Sync. Up/Down Counter (Dual Clock with Clear)	16-Dip	.53	.40	.30
SN74HC193NSR	296-12891-1-ND	4-Bit Sync. Up/Down Counter (Dual Clock with Clear)	16-SOP	.48	.36	.27
SN74HC193NSR	296-12891-2-ND	4-Bit Sync. Up/Down Counter (Dual Clock with Clear)	16-SOP		320.00/2,000	
SN74HC240DW	296-8267-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
SN74HC240DWR	296-14843-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
SN74HC240DWR	296-14843-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		400.00/2,000	
SN74HC240N	296-1580-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.66	.50	.38
SN74HC240PWR	296-8269-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.60	.45	.34
SN74HC240PWR	296-8269-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		400.00/2,000	
SN74HC241DW	296-8270-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
SN74HC241N	296-8271-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.62	.47	.35
SN74HC241PWR	296-19250-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.56	.42	.32
SN74HC241PWR	296-19250-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		372.00/2,000	
SN74HC244DBR	296-8273-1-ND	Tri-State Octal Buffer/Line Driver	20-SSOP	.60	.45	.34
SN74HC244DBR	296-8273-2-ND	Tri-State Octal Buffer/Line Driver	20-SSOP		400.00/2,000	
SN74HC244DW	296-1196-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
SN74HC244DWR	296-1196-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
SN74HC244DWR	296-1196-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		400.00/2,000	
SN74HC244N	296-1582-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.66	.50	.38
SN74HC244NSR	296-8274-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	.60	.45	.34
SN74HC244NSR	296-8274-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP		400.00/2,000	
SN74HC244PWR	296-8276-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.60	.45	.34
SN74HC244PWR	296-8276-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		400.00/2,000	
SN74HC245DBR	296-8277-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.60	.45	.34
SN74HC245DBR	296-8277-2-ND	Tri-State Octal Bus Transceiver	20-SSOP		400.00/2,000	
SN74HC245DW	296-1197-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.60	.45	.34
SN74HC245DWR	296-1197-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.60	.45	.34
SN74HC245DWR	296-1197-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		400.00/2,000	
SN74HC245N	296-1584-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.66	.50	.38
SN74HC245NSR	296-8278-1-ND	Tri-State Octal Bus Transceiver	20-SOP	.60	.45	.34
SN74HC245NSR	296-8278-2-ND	Tri-State Octal Bus Transceiver	20-SOP		400.00/2,000	
SN74HC245PWR	296-8279-1-ND	Tri-State Octal Bus Transceiver	20-TSSOP	.60	.45	.34
SN74HC245PWR	296-8279-2-ND	Tri-State Octal Bus Transceiver	20-TSSOP		400.00/2,000	
SN74HC251D	296-8280-5-ND	Tri-State Data Selector/Mux	16-SOIC	.53	.42	.32
SN74HC251DBR	296-12894-1-ND	Tri-State Data Selector/Mux	16-SSOP	.53	.42	.32
SN74HC251DBR	296-12894-2-ND	Tri-State Data Selector/Mux	16-SSOP		294.00/2,000	
SN74HC251DR	296-14844-1-ND	Tri-State Data Selector/Mux	16-SOIC	.53	.42	.32
SN74HC251DR	296-14844-2-ND	Tri-State Data Selector/Mux	16-SOIC		355.00/2,500	
SN74HC251N	296-1585-5-ND	Tri-State Data Selector/Mux	16-Dip	.55	.44	.33
SN74HC251NSR	296-13217-1-ND	Tri-State Data Selector/Mux	16-SOP	.48	.36	.27
SN74HC251NSR	296-13217-2-ND	Tri-State Data Selector/Mux	16-SOP		320.00/2,000	
SN74HC253D	296-8281-5-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-SOIC	.48	.36	.27
SN74HC253DBR	296-8282-1-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-SSOP	.48	.36	.27
SN74HC253DBR	296-8282-2-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-SSOP		320.00/2,000	
SN74HC253DR	296-14845-1-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-SOIC	.48	.36	.27
SN74HC253DR	296-14845-2-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-SOIC		390.00/2,500	
SN74HC253N	296-8283-5-ND	Tri-St. Dual 4-1 Line Data Selector/Mux	16-Dip	.53	.40	.30
SN74HC257D	296-8284-5-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOIC	.53	.42	.32
SN74HC257DR	296-14846-1-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOIC	.53	.42	.32

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74HC257DR	296-14846-2-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOIC		355.00/2,500	
74HC257N	296-8285-5-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-Dip	.55	.44	.33
74HC257NSR	296-8286-1-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOP	.48	.36	.27
74HC257NSR	296-8286-2-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOP		320.00/2,000	
74HC257PW	296-8287-1-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-TSSOP	.53	.42	.32
74HC257PWR	296-8287-2-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-TSSOP		294.00/2,000	
74HC259D	296-8290-5-ND	8-Bit Addressable Latch	16-SOIC	.53	.42	.32
74HC259DR	296-14847-1-ND	8-Bit Addressable Latch	16-SOIC	.53	.42	.32
74HC259DR	296-14847-2-ND	8-Bit Addressable Latch	16-SOIC		355.00/2,500	
74HC259N	296-8291-5-ND	8-Bit Addressable Latch	16-Dip	.55	.44	.33
74HC259NSR	296-12895-1-ND	8-Bit Addressable Latch	16-SOP	.48	.36	.27
74HC259NSR	296-12895-2-ND	8-Bit Addressable Latch	16-SOP		320.00/2,000	
74HC259PW	296-8292-1-ND	8-Bit Addressable Latch	16-TSSOP	.53	.42	.32
74HC259PWR	296-8292-2-ND	8-Bit Addressable Latch	16-TSSOP		294.00/2,000	
74HC266D	296-8293-5-ND	Quad 2-Input Exclusive NOR Gate with Open-Drain Output	14-SOIC	.53	.42	.32
74HC266N	296-8294-5-ND	Quad 2-Input Exclusive NOR Gate with Open-Drain Output	14-Dip	.55	.44	.33
74HC273DBR	296-8295-1-ND	Octal D-Type Flip-Flop with Clear	20-SSOP	.55	.44	.33
74HC273DBR	296-8295-2-ND	Octal D-Type Flip-Flop with Clear	20-SSOP		308.00/2,000	
74HC273DW	296-1198-5-ND	Octal D-Type Flip-Flop	20-SOIC	.55	.44	.33
74HC273DWR	296-1198-1-ND	Octal D-Type Flip-Flop	20-SOIC	.55	.44	.33
74HC273DWR	296-1198-2-ND	Octal D-Type Flip-Flop	20-SOIC		264.00/2,000	
74HC273N	296-1587-5-ND	Octal D-Type Flip-Flop	20-Dip	.48	.36	.27
74HC273NSR	296-8296-1-ND	Octal D-Type Flip-Flop with Clear	20-SOP	.48	.36	.27
74HC273NSR	296-8296-2-ND	Octal D-Type Flip-Flop with Clear	20-SOP		320.00/2,000	
74HC273PWR	296-8297-1-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP	.55	.44	.33
74HC273PWR	296-8297-2-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP		308.00/2,000	
74HC365D	296-8303-5-ND	Tri-State Hex Buffer/Line Driver	16-SOIC	.52	.39	.30
74HC365N	296-8304-5-ND	Tri-State Hex Buffer/Line Driver	16-Dip	.52	.39	.30
74HC365NSR	296-12897-1-ND	Tri-State Hex Buffer/Line Driver	16-SOP	.52	.39	.30
74HC365NSR	296-12897-2-ND	Tri-State Hex Buffer/Line Driver	16-SOP		346.00/2,000	
74HC367D	296-8305-5-ND	Tri-State Hex Buffer/Line Driver	16-SOIC	.52	.39	.30
74HC367DR	296-14849-1-ND	Tri-State Hex Buffer/Line Driver	16-SOIC	.52	.39	.30
74HC367DR	296-14849-2-ND	Tri-State Hex Buffer/Line Driver	16-SOIC		422.50/2,500	
74HC367N	296-8306-5-ND	Tri-State Hex Buffer/Line Driver	16-Dip	.64	.48	.36
74HC367NSR	296-12898-1-ND	Tri-State Hex Buffer/Line Driver	16-SOP	.52	.39	.30
74HC367NSR	296-12898-2-ND	Tri-State Hex Buffer/Line Driver	16-SOP		346.00/2,000	
74HC368D	296-8307-5-ND	Tri-State Hex Buffer/Line Driver	16-SOIC	.52	.39	.30
74HC368DR	296-14850-1-ND	Tri-State Hex Buffer/Line Driver	16-SOIC	.52	.39	.30
74HC368DR	296-14850-2-ND	Tri-State Hex Buffer/Line Driver	16-SOIC		422.50/2,500	
74HC368N	296-8308-5-ND	Tri-State Hex Buffer/Line Driver	16-Dip	.57	.43	.33
74HC373DBR	296-8309-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SSOP	.60	.45	.34
74HC373DBR	296-8309-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SSOP		400.00/2,000	
74HC373DW	296-1200-5-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.60	.45	.34
74HC373DWR	296-1200-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.60	.45	.34
74HC373DWR	296-1200-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC		400.00/2,000	
74HC373N	296-1591-5-ND	Tri-St. Octal Transparent D-Type Latch	20-Dip	.66	.50	.38
74HC373NSR	296-8310-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP	.60	.45	.34
74HC373NSR	296-8310-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP		400.00/2,000	
74HC373PWR	296-8311-1-ND	Tri-St. Octal Transparent D-Type Latch	20-TSSOP	.60	.45	.34
74HC373PWR	296-8311-2-ND	Tri-St. Octal Transparent D-Type Latch	20-TSSOP		400.00/2,000	
74HC374DBR	296-8312-1-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP	.60	.45	.34
74HC374DBR	296-8312-2-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP		400.00/2,000	
74HC374DW	296-1201-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
74HC374DWR	296-1201-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
74HC374DWR	296-1201-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		400.00/2,000	
74HC374N	296-1592-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.64	.48	.36
74HC374NSR	296-8313-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOP	.60	.45	.34
74HC374NSR	296-8313-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOP		400.00/2,000	
74HC374PWR	296-8314-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.60	.45	.34
74HC374PWR	296-8314-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP		400.00/2,000	
74HC377DW	296-9818-5-ND	Octal D-Type Flip-Flop with Clock Enable	20-SOIC	.48	.36	.27
74HC377DWR	296-9818-1-ND	Octal D-Type Flip-Flop with Clock Enable	20-SOP	.48	.36	.27
74HC377DWR	296-9818-2-ND	Octal D-Type Flip-Flop with Clock Enable	20-SOP		320.00/2,000	
74HC377N	296-8316-5-ND	Octal D-Type Flip-Flop with Clock Enable	20-Dip	.53	.40	.30
74HC393D	296-8317-5-ND	Dual 4-Bit Binary Counter	14-SOIC	.50	.40	.30
74HC393DBR	296-8318-1-ND	Dual 4-Bit Binary Counter	14-SSOP	.50	.40	.30
74HC393DBR	296-8318-2-ND	Dual 4-Bit Binary Counter	14-SSOP		280.00/2,000	
74HC393DR	296-14851-1-ND	Dual 4-Bit Binary Counter	14-SOIC	.50	.40	.30
74HC393DR	296-14851-2-ND	Dual 4-Bit Binary Counter	14-SOIC		337.50/2,500	
74HC393N	296-8319-5-ND	Dual 4-Bit Binary Counter	14-Dip	.50	.40	.30
74HC540DW	296-8333-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
74HC540DWR	296-8333-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		372.00/2,000	
74HC540N	296-8334-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.62	.47	.35
74HC541DBR	296-14855-1-ND	Tri-State Octal Buffer/Line Driver	20-SSOP	.56	.42	.32
74HC541DBR	296-14855-2-ND	Tri-State Octal Buffer/Line Driver	20-SSOP		372.00/2,000	
74HC541DW	296-1202-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
74HC541DWR	296-1202-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
74HC541DWR	296-1202-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		250.00/2,000	
74HC541N	296-1594-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.62	.47	.35
74HC541NSR	296-13218-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	.56	.42	.32
74HC541NSR	296-13218-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP		372.00/2,000	
74HC541PW	296-8335-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.56	.42	.32
74HC541PWR	296-8335-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		372.00/2,000	
74HC573ADW	296-1203-5-ND	Tri-State Octal D-Type Latch	20-SOIC	.60	.45	.34
74HC573ADWR	296-1203-1-ND	Tri-State Octal D-Type Latch	20-SOIC	.60	.45	.34
74HC573ADWR	296-1203-2-ND	Tri-State Octal D-Type Latch	20-SOIC		400.00/2,000	
74HC573AN	296-1596-5-ND	Tri-State Octal D-Type Latch	20-Dip	.66	.50	.38
74HC573APWR	296-8338-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.60	.45	.34
74HC573APWR	296-8338-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP		400.00/2,000	
74HC574DW	296-1597-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
74HC574DWR	296-1597-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
74HC574DWR	296-1597-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		400.00/2,000	
74HC574N	296-1598-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.66	.50	.38
74HC574PWR	296-8339-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.60	.45	.34
74HC574PWR	296-8339-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP		400.00/2,000	
74HC590AD	296-8340-5-ND	Tri-State 8-Bit Binary Counter	16-SOIC	.60	.45	.34
74HC590ADR	296-17132-1-ND	Tri-State 8-Bit Binary Counter	16-SOIC	.60	.45	.34

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74HC590ADR	296-17132-2-ND	Tri-State 8-Bit Binary Counter	16-SOIC		487.50/2,500	
SN74HC590ADW	296-8341-5-ND	Tri-State 8-Bit Binary Counter	16-SOIC	.60	.45	.34
SN74HC590ADWR	296-14856-1-ND	Tri-State 8-Bit Binary Counter	16-SOIC	.60	.45	.34
SN74HC590ADWR	296-14856-2-ND	Tri-State 8-Bit Binary Counter	16-SOIC		400.00/2,000	
SN74HC590AN	296-1599-5-ND	Tri-State 8-Bit Binary Counter	16-Dip	.66	.50	.38
SN74HC594DW	296-8342-5-ND	8-Bit Shift Register with Output Register	16-SOIC	.75	.63	.50
SN74HC594N	296-8343-5-ND	8-Bit Shift Register with Output Register	16-Dip	.75	.63	.50
SN74HC595D	296-8344-5-ND	Tri-State 8-Bit Shift Register	16-SOIC	.60	.45	.34
SN74HC595DR	296-14857-1-ND	Tri-State 8-Bit Shift Register	16-SOIC	.60	.45	.34
SN74HC595DR	296-14857-2-ND	Tri-State 8-Bit Shift Register	16-SOIC		440.00/2,500	
SN74HC595DW	296-8345-5-ND	Tri-State 8-Bit Shift Register	16-SOIC	.60	.45	.34
SN74HC595DWR	296-14858-1-ND	Tri-State 8-Bit Shift Register	16-SOIC	.60	.45	.34
SN74HC595DWR	296-14858-2-ND	Tri-State 8-Bit Shift Register	16-SOIC		400.00/2,000	
SN74HC595N	296-1600-5-ND	Tri-State 8-Bit Shift Register	16-Dip	.66	.50	.38
SN74HC623DW	296-8346-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	5.20	4.16	3.51
SN74HC623N	296-8347-5-ND	Tri-State Octal Bus Transceiver	20-Dip	5.20	4.16	3.51
SN74HC640DW	296-8348-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	1.35	1.13	.90
SN74HC640N	296-8349-5-ND	Tri-State Octal Bus Transceiver	20-Dip	1.35	1.13	.90
SN74HC645DW	296-8350-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	1.20	1.00	.80
SN74HC645N	296-8351-5-ND	Tri-State Octal Bus Transceiver	20-Dip	1.20	1.00	.80
SN74HC646DW	296-8352-5-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC	1.20	1.00	.80
SN74HC646NT	296-8353-5-ND	Tri-State Octal Bus Transceiver/Register	24-Dip	1.20	1.00	.80
SN74HC652DW	296-8354-5-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC	1.50	1.20	.90
SN74HC652NT	296-8355-5-ND	Tri-State Octal Bus Transceiver/Register	24-Dip	1.88	1.50	1.13
SN74HC682DWR	296-8356-1-ND	8-Bit Magnitude Comparator	20-SOIC	3.31	2.65	2.06
SN74HC682DWR	296-8356-2-ND	8-Bit Magnitude Comparator	20-SOIC		3748.00/2,000	
SN74HC682N	296-8357-5-ND	8-Bit Magnitude Comparator	20-Dip	3.31	2.65	2.06
SN74HC684DW	296-8358-5-ND	8-Bit Magnitude Comparator	20-SOIC	5.80	4.64	3.92
SN74HC684N	296-8359-5-ND	8-Bit Magnitude Comparator	20-Dip	6.00	4.80	4.05
SN74HC688DW	296-8360-5-ND	8-Bit Identity Comparator	20-SOIC	.81	.68	.54
SN74HC688N	296-8361-5-ND	8-Bit Identity Comparator	20-Dip	.81	.68	.54
SN74HC688PWR	296-8362-1-ND	8-Bit Identity Comparator	20-TSSOP	.81	.66	.54
SN74HC688PWR	296-8362-2-ND	8-Bit Identity Comparator	20-TSSOP		718.00/2,000	
SN74HC4020N	296-8320-5-ND	14-Bit Async. Binary Counter	16-SOIC	.54	.41	.31
SN74HC4020N	296-8321-5-ND	14-Bit Async. Binary Counter	16-Dip	.54	.41	.31
SN74HC4040D	296-8322-5-ND	12-Bit Async. Binary Counter	16-SOIC	.54	.41	.31
SN74HC4040DBR	296-8323-1-ND	12-Bit Async. Binary Counter	16-SSOP	.54	.41	.31
SN74HC4040DBR	296-8323-2-ND	12-Bit Async. Binary Counter	16-SSOP		360.00/2,000	
SN74HC4040DR	296-14852-1-ND	12-Bit Async. Binary Counter	16-SOIC	.54	.41	.31
SN74HC4040DR	296-14852-2-ND	12-Bit Async. Binary Counter	16-SOIC		440.00/2,500	
SN74HC4040N	296-8324-5-ND	12-Bit Async. Binary Counter	16-Dip	.54	.41	.31
SN74HC4040PWR	296-8325-1-ND	12-Bit Async. Binary Counter	16-TSSOP	.54	.41	.31
SN74HC4040PWR	296-8325-2-ND	12-Bit Async. Binary Counter	16-TSSOP		360.00/2,000	
SN74HC4060D	296-8326-5-ND	14-Stage Async. Binary Counter and Oscillator	16-SOIC	.56	.42	.32
SN74HC4060DR	296-14853-1-ND	14-Stage Async. Binary Counter and Oscillator	16-SOIC	.56	.42	.32
SN74HC4060DR	296-14853-2-ND	14-Stage Async. Binary Counter and Oscillator	16-SOIC		455.00/2,500	
SN74HC4060N	296-8209-5-ND	14-Stage Async. Binary Counter and Oscillator	16-Dip	.56	.42	.32
SN74HC4066D	296-8327-5-ND	Quad Bilateral Analog Switch	14-SOIC	.50	.40	.30
SN74HC4066DBR	296-8328-1-ND	Quad Bilateral Analog Switch	14-SSOP	.50	.40	.30
SN74HC4066DBR	296-8328-2-ND	Quad Bilateral Analog Switch	14-SSOP		280.00/2,000	
SN74HC4066DR	296-14854-1-ND	Quad Bilateral Analog Switch	14-SOIC	.50	.40	.30
SN74HC4066DR	296-14854-2-ND	Quad Bilateral Analog Switch	14-SOIC		337.50/2,500	
SN74HC4066N	296-8329-5-ND	Quad Bilateral Analog Switch	14-Dip	.50	.40	.30
SN74HC4066PWR	296-8330-1-ND	Quad Bilateral Analog Switch	14-TSSOP	.50	.40	.30
SN74HC4066PWR	296-8330-2-ND	Quad Bilateral Analog Switch	14-TSSOP		280.00/2,000	
SN74HC4851DGVR	296-19251-1-ND	8-Channel Analog Mux/Demux	16-TVSOP	.70	.53	.40
SN74HC4851DGVR	296-19251-2-ND	8-Channel Analog Mux/Demux	16-TVSOP		468.00/2,000	
SN74HC4851DR	296-15740-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.64	.48	.36
SN74HC4851DR	296-15740-2-ND	8-Channel Analog Mux/Demux	16-SOIC		520.00/2,500	
SN74HC4851N	296-15741-5-ND	8-Channel Analog Mux/Demux	16-Dip	.64	.48	.36
SN74HC4851PWR	296-16983-1-ND	8-Channel Analog Mux/Demux	16-TSSOP	.64	.48	.36
SN74HC4851PWR	296-16983-2-ND	8-Channel Analog Mux/Demux	16-TSSOP		426.00/2,000	
SN74HC4851QDRQ1	296-17266-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.75	.57	.43
SN74HC4851QDRQ1	296-17266-2-ND	8-Channel Analog Mux/Demux	16-SOIC		610.00/2,500	
SN74HC4851QPWRQ1	296-19551-1-ND	8-Channel Analog Mux/Demux	16-TSSOP	.75	.57	.43
SN74HC4851QPWRQ1	296-19551-2-ND	8-Channel Analog Mux/Demux	16-TSSOP		500.00/2,000	
SN74HC4852DGVR	296-19252-1-ND	Dual 4-1 Channel Analog Mux/Demux	16-TVSOP	.64	.48	.36
SN74HC4852DGVR	296-19252-2-ND	Dual 4-1 Channel Analog Mux/Demux	16-TVSOP		426.00/2,000	
SN74HC4852DR	296-19253-1-ND	Dual 4-1 Channel Analog Mux/Demux	16-SOIC	.64	.48	.36
SN74HC4852DR	296-19253-2-ND	Dual 4-1 Channel Analog Mux/Demux	16-SOIC		520.00/2,500	
SN74HC4852N	296-17301-5-ND	Dual 4-1 Channel Analog Mux/Demux	16-Dip	.64	.48	.36
SN74HC4852PWR	296-19254-1-ND	Dual 4-1 Channel Analog Mux/Demux	16-TSSOP	.64	.48	.36
SN74HC4852PWR	296-19254-2-ND	Dual 4-1 Channel Analog Mux/Demux	16-TSSOP		426.00/2,000	
SN74HC7001D	296-8363-5-ND	Dual AND Gate w/Schmitt-Trigger Input	14-SOIC	1.41	1.18	.94
SN74HC7001N	296-8364-5-ND	Quad AND Gate w/Schmitt-Trigger Input	14-Dip	1.41	1.18	.94
SN74HC7002D	296-8365-5-ND	Quad NOR Gate w/Schmitt-Trigger Input	14-SOIC	2.00	1.60	1.20
SN74HC7002N	296-8366-5-ND	Quad NOR Gate w/Schmitt-Trigger Input	14-Dip	2.00	1.60	1.20
SN74HC7032D	296-8367-5-ND	Quad OR Gate w/Schmitt-Trigger Input	14-SOIC	2.25	1.80	1.40
SN74HC7032N	296-8368-5-ND	Quad OR Gate w/Schmitt-Trigger Input	14-Dip	2.25	1.80	1.40

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CD74HCT00M96	296-14542-2-ND	Quad 2-Input NAND Gate	14-SOIC		390.00/2,500	
CD74HCT02E	296-2082-5-ND	Quad 2-Input NOR Gate	14-Dip	.64	.48	.36
CD74HCT02M	296-12825-5-ND	Quad 2-Input NOR Gate	14-SOIC	.48	.36	.27
CD74HCT03E	296-2134-5-ND	Quad 2-Input NAND Gate with OD	14-SOIC	.53	.42	.32
CD74HCT03M96	296-9245-1-ND	Quad 2-Input NAND Gate with OD	14-SOIC	.46	.37	.26
CD74HCT03M96	296-9245-2-ND	Quad 2-Input NAND Gate with OD	14-SOIC		297.50/2,500	
CD74HCT04E	296-2083-5-ND	Hex Inverter/Buffer	14-Dip	.64	.48	.36
CD74HCT04M	296-9246-5-ND	Hex Inverter/Buffer	14-SOIC	.48	.36	.27
CD74HCT04M96	296-14543-1-ND	Hex Inverter/Buffer	14-SOIC	.48	.36	.27
CD74HCT04M96	296-14543-2-ND	Hex Inverter/Buffer	14-SOIC		390.00/2,500	
CD74HCT04PWR	296-17129-1-ND	Hex Inverter/Buffer	14-TSSOP	.48	.36	.27
CD74HCT04PWR	296-17123-2-ND	Hex Inverter/Buffer	14-TSSOP		320.00/2,000	
CD74HCT08E	296-2084-5-ND	Quad 2-Input AND Gate	14-Dip	.64	.48	.36
CD74HCT08M	296-12828-5-ND	Quad 2-Input AND Gate	14-SOIC	.48	.36	.27
CD74HCT08M96	296-14544-1-ND	Quad 2-Input AND Gate	14-SOIC	.48	.36	.27
CD74HCT08M96	296-14544-2-ND	Quad 2-Input AND Gate	14-SOIC		390.00/2,500	
CD74HCT10E	296-2086-5-ND	Triple 3-Input NAND Gate	14-Dip	.64	.48	.36

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CD74HCT10M96	296-14545-1-ND	Triple 3-Input NAND Gate	14-SOIC	.48	.36	.27
CD74HCT10M96	296-14545-2-ND	Triple 3-Input NAND Gate	14-SOIC		390.00/2,500	
CD74HCT14E	296-2087-5-ND	Triple 3-Input NAND Gate	14-DIP	.53	.42	.32
CD74HCT11M96	296-9249-1-ND	Triple 3-Input AND Gate	14-SOIC	.45	.36	.27
CD74HCT11M96	296-9249-2-ND	Triple 3-Input AND Gate	14-SOIC		305.00/2,500	
CD74HCT14E	296-2093-5-ND	Hex Schmitt-Trigger Inverter	14-DIP	.64	.48	.36
CD74HCT14M	296-9253-5-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.48	.36	.27
CD74HCT14M96	296-14548-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.48	.36	.27
CD74HCT14M96	296-14548-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		390.00/2,500	
CD74HCT21E	296-9262-5-ND	Dual 4-Input AND Gate	14-DIP	.53	.42	.32
CD74HCT30E	296-2111-5-ND	8-Input NAND Gate	14-DIP	.53	.42	.32
CD74HCT30M	296-9267-5-ND	8-Input NAND Gate	14-SOIC	.46	.37	.26
CD74HCT32E	296-2112-5-ND	Quad 2-Input OR Gate	14-DIP	.64	.48	.36
CD74HCT32M	296-12842-5-ND	Quad 2-Input OR Gate	14-SOIC	.48	.36	.27
CD74HCT32M96	296-14555-1-ND	Quad 2-Input OR Gate	14-SOIC	.48	.36	.27
CD74HCT32M96	296-14555-2-ND	Quad 2-Input OR Gate	14-SOIC		390.00/2,500	
CD74HCT73E	296-9297-5-ND	Dual Neg-Edge-Trig. J-K Flip-Flop with Reset	14-DIP	.80	.60	.45
CD74HCT73M	296-9298-5-ND	Dual Neg-Edge-Trig. J-K Flip-Flop with Reset	14-SOP	.80	.60	.45
CD74HCT74E	296-2132-5-ND	Dual D-Type Flip-Flop with Set and Reset	14-DIP	.64	.48	.36
CD74HCT74M	296-9299-5-ND	Dual Pos-Edge-Trig. D-Type Flip-Flop with Set and Reset	14-SOIC	.48	.36	.27
CD74HCT74M96	296-14561-1-ND	Dual Pos-Edge-Trig. D-Type Flip-Flop with Set and Reset	14-SOIC	.48	.36	.27
CD74HCT74M96	296-14561-2-ND	Dual Pos-Edge-Trig. D-Type Flip-Flop with Set and Reset	14-SOIC		390.00/2,500	
CD74HCT75E	296-2136-5-ND	Dual 2-Bit Bistable Transparent Latch	16-DIP	.81	.68	.54
CD74HCT86E	296-2133-5-ND	Quad HS 2-Input Exclusive OR Gate	14-DIP	.72	.54	.41
CD74HCT86M	296-8201-5-ND	Quad HS 2-Input Exclusive OR Gate	14-SOIC	.64	.48	.36
CD74HCT86M96	296-8201-1-ND	Quad HS 2-Input Exclusive OR Gate	14-SOIC	.64	.48	.36
CD74HCT86M96	296-8201-2-ND	Quad HS 2-Input Exclusive OR Gate	14-SOIC		520.00/2,500	
CD74HCT109E	296-2085-5-ND	Dual J-K Flip-Flop with Set and Reset	16-DIP	.80	.60	.45
CD74HCT112E	296-9248-5-ND	Dual Neg-Edge-Trig J-K Flip-Flop with Set and Reset	16-DIP	.49	.36	.27
CD74HCT123E	296-2088-5-ND	Dual Retriggerable Monostable Multivibrator with Reset	16-DIP	.53	.40	.30
CD74HCT123M	296-9250-5-ND	Dual Retriggerable Monostable Multivibrator with Reset	16-SOIC	.48	.36	.27
CD74HCT125E	296-2089-5-ND	Tri-State Quad Buffer	14-DIP	.72	.54	.41
CD74HCT125M96	296-12829-1-ND	Tri-State Quad Buffer	14-SOIC	.64	.48	.36
CD74HCT125M96	296-12829-2-ND	Tri-State Quad Buffer	14-SOIC		520.00/2,500	
CD74HCT126E	296-9251-5-ND	Tri-State Quad Buffer	14-DIP	.53	.40	.30
CD74HCT126M	296-12830-5-ND	Tri-State Quad Buffer	14-SOIC	.48	.36	.27
CD74HCT126M96	296-14546-1-ND	Tri-State Quad Buffer	14-SOIC	.48	.36	.27
CD74HCT126M96	296-14546-2-ND	Tri-State Quad Buffer	14-SOIC		390.00/2,500	
CD74HCT132E	296-2090-5-ND	Quad 2-Input NAND Schmitt Trigger	14-DIP	.53	.40	.30
CD74HCT132M96	296-12831-1-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC	.48	.36	.27
CD74HCT132M96	296-12831-2-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC		390.00/2,500	
CD74HCT138E	296-2091-5-ND	3-8 Line Decoder/Demux Inverting/Non-Inverting	16-DIP	.72	.54	.41
CD74HCT138M	296-12832-5-ND	3-8 Line Decoder/Demux Inverting/Non-Inverting	16-SOIC	.64	.48	.36
CD74HCT138M96	296-14547-1-ND	3-8 Line Decoder/Demux Inverting/Non-Inverting	16-SOIC	.64	.48	.36
CD74HCT138M96	296-14547-2-ND	3-8 Line Decoder/Demux Inverting/Non-Inverting	16-SOIC		520.00/2,500	
CD74HCT139E	296-2092-5-ND	Dual 2-of-4 Line Decoder/Demux	16-DIP	.72	.54	.41
CD74HCT147E	296-9252-5-ND	10-4 Line Priority Encoder	16-DIP	.60	.45	.34
CD74HCT151M	296-9254-5-ND	8-Input Multiplexer	16-SOIC	.48	.36	.27
CD74HCT153E	296-2094-5-ND	Dual 4-Input Multiplexer	16-DIP	.48	.36	.27
CD74HCT153M	296-9255-5-ND	Dual 4-Input Multiplexer	16-SOIC	.48	.36	.27
CD74HCT157E	296-2095-5-ND	Quad 2-Input Multiplexer	16-DIP	.72	.54	.41
CD74HCT161E	296-2096-5-ND	Sync. 4-Bit Binary Counter, Async. Reset	16-DIP	.53	.40	.30
CD74HCT161M	296-9256-5-ND	Sync. 4-Bit Binary Counter, Async. Reset	16-SOIC	.48	.36	.27
CD74HCT163E	296-12833-5-ND	Presettable Sync. Counter	16-DIP	.53	.40	.30
CD74HCT164E	296-2097-5-ND	8-Bit Serial-In Parallel-Out Shift Register	14-DIP	.53	.40	.30
CD74HCT164M	296-9257-5-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC	.48	.36	.27
CD74HCT164M96	296-14549-1-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC	.48	.36	.27
CD74HCT164M96	296-14549-2-ND	8-Bit Serial-In/Parallel-Out Shift Register	14-SOIC		390.00/2,500	
CD74HCT165E	296-2098-5-ND	8-Bit Parallel-In Serial-Out Shift Register	16-DIP	.53	.40	.30
CD74HCT165M	296-9258-5-ND	Asynchronous 8-Bit Parallel-In/Serial-Out Shift Register	16-SOIC	.48	.36	.27
CD74HCT165M96	296-14551-1-ND	8-Bit Parallel-In Serial-Out Shift Register	16-SOIC	.48	.36	.27
CD74HCT165M96	296-14551-2-ND	8-Bit Parallel-In Serial-Out Shift Register	16-SOIC		390.00/2,500	
CD74HCT166E	296-2099-5-ND	8-Bit Parallel-In Serial-Out Shift Register	16-DIP	.53	.40	.30
CD74HCT166M	296-9259-5-ND	Synchronous 8-Bit Parallel-In/Serial-Out Shift Register	16-SOIC	.48	.36	.27
CD74HCT174E	296-2100-5-ND	Hex D-Type Flip-Flop with Reset	16-DIP	.53	.40	.30
CD74HCT174M	296-9260-5-ND	Hex D-Type Flip-Flop with Reset	16-SOIC	.48	.36	.27
CD74HCT174M96	296-12836-1-ND	Hex D-Type Flip-Flop with Reset	16-SOIC	.48	.36	.27
CD74HCT174M96	296-12836-2-ND	Hex D-Type Flip-Flop with Reset	16-SOIC		390.00/2,500	
CD74HCT175E	296-2101-5-ND	Quad D-Type Flip-Flop with Reset	16-DIP	.53	.40	.30
CD74HCT175M96	296-12837-1-ND	Quad D-Type Flip-Flop with Reset	16-SOIC	.48	.36	.27
CD74HCT175M96	296-12837-2-ND	Quad D-Type Flip-Flop with Reset	16-SOIC		390.00/2,500	
CD74HCT191M	296-9261-5-ND	Presettable Synchronous 4-Bit Binary Up/Down Counter	16-SOIC	.72	.54	.41
CD74HCT221M96	296-9263-1-ND	Dual Mono Multivibrator with Reset	16-SOIC	.72	.54	.41
CD74HCT221M96	296-9263-2-ND	Dual Mono Multivibrator with Reset	16-SOIC		585.00/2,500	
CD74HCT238M96	296-17124-5-ND	HS CMOS 3-to-8 Line Decoder/Demux Inverter/Noninverting	16-SOIC	.60	.45	.34
CD74HCT240E	296-2103-5-ND	Tri-St. Inverting Octal Buffer Line Driver	20-DIP	.96	.72	.54
CD74HCT240M	296-9264-5-ND	Tri-St. Inverting Octal Buffer Line Driver	20-SOIC	.76	.57	.43
CD74HCT241M96	296-12838-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
CD74HCT241M96	296-12838-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		400.00/2,000	
CD74HCT243E	296-2145-5-ND	Tri-State HS CMOS Logic Quad Bus Transceiver	14-DIP	.96	.80	.64
CD74HCT244E	296-2104-5-ND	Tri-State Octal Buffer/Line Driver	20-DIP	.96	.72	.54
CD74HCT244M	296-12839-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.76	.57	.43
CD74HCT244M96	296-14552-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.76	.57	.43
CD74HCT244M96	296-14552-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		506.00/2,000	
CD74HCT245E	296-2105-5-ND	Tri-State Octal Bus Transceiver	20-DIP	.96	.72	.54

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CD74HCT245M96	296-14553-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.76	.57	.43
CD74HCT245M96	296-14553-2-ND	Tri-State Octal Bus Transceiver	20-SOIC		506.00/2,000	
SN74HCT245NSR	296-15849-1-ND	Tri-State Octal Bus Transceiver	20-SOP	.60	.45	.34
SN74HCT245NSR	296-15849-2-ND	Tri-State Octal Bus Transceiver	20-SOP		400.00/2,000	
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CD74HCT253E	296-2107-5-ND	Tri-State Dual 4-Input Multiplexer	16-DIP	.60	.45	.34
CD74HCT253M	296-9265-5-ND	Tri-State Dual 4-Input Multiplexer	16-SOIC	.60	.45	.34
CD74HCT257E	296-2108-5-ND	Tri-St. Quad 2-Input Mux, Non-Invert Out	16-DIP	.96	.72	.54
CD74HCT258E	296-2146-5-ND	Tri-State Inverting High Speed CMOS Logic Quad 2-Input Multiplexer	16-DIP	.52	.39	.30
CD74HCT259E	296-2109-5-ND	8-Bit Addressable Latch	16-DIP	.62	.47	.35
CD74HCT273E	296-2110-5-ND	Octal D-Type Flip-Flop with Reset	20-DIP	.96	.72	.54
CD74HCT273M	296-12841-5-ND	Octal D-Type Flip-Flop with Reset	20-SOIC	.76	.57	.43
CD74HCT273M96	296-14554-1-ND	Octal D-Type Flip-Flop with Reset	20-SOIC	.76	.57	.43
CD74HCT273M96	296-14554-2-ND	Octal D-Type Flip-Flop with Reset	20-SOIC		506.00/2,000	
CD74HCT280E	296-2147-5-ND	High Speed CMOS Logic 9-Bit Odd/Even Parity Generator/Checker	14-DIP	.64	.48	.36
CD74HCT299M	296-9266-5-ND	Tri-State 8-Bit Universal Shift Register	20-SOIC	.72	.54	.41
CD74HCT356E	296-2148-5-ND	Tri-State High Speed CMOS Logic 8-Input Multiplexer/Register	20-DIP	1.32	1.10	.88
CD74HCT365E	296-2149-5-ND	Tri-State High Speed CMOS Logic Hex Buffer/Line Driver, Non-Invert	16-DIP	.64	.48	.36
CD74HCT365M96	296-15733-1-ND	Tri-State High Speed CMOS Logic Hex Buffer/Line Driver, Non-Invert	16-SOIC	.64	.48	.36
CD74HCT365M96	296-15733-2-ND	Tri-State High Speed CMOS Logic Hex Buffer/Line Driver, Non-Invert	16-SOIC		520.00/2,500	
CD74HCT367E	296-2113-5-ND	Tri-State Hex Buffer/Line Driver	16-DIP	.64	.48	.36
CD74HCT368M	296-9268-5-ND	Tri-State Inverting Hex Buffer/Line Driver	16-SOIC	.64	.48	.36
CD74HCT373E	296-2114-5-ND	Tri-State Octal Transparent D-Type Latch	20-DIP	.96	.72	.54
CD74HCT373M	296-12843-5-ND	Tri-State Octal Transparent D-Type Latch	20-SOIC	.76	.57	.43
CD74HCT374E	296-2115-5-ND	Tri-State Octal D-Type Flip-Flop	20-DIP	.96	.72	.54
CD74HCT374M96	296-9269-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.76	.57	.43
CD74HCT374M96	296-9269-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		506.00/2,000	
CD74HCT377M	296-9427-5-ND	Octal D-Type Flip-Flop w/Clock Enable	20-SOIC	.76	.57	.43
CD74HCT390M	296-9270-5-ND	Dual Decade Ripple Counter	16-SOIC	.52	.39	.30
CD74HCT393E	296-2116-5-ND	Dual 4-Stage Binary Counter	14-DIP	.52	.39	.30
CD74HCT393M	296-9271-5-ND	Dual 4-Stage Binary Counter	14-SOIC	.52	.39	.30
CD74HCT393M96	296-14556-1-ND	Dual 4-Stage Binary Counter	14-SOIC	.52	.39	.30
CD74HCT393M96	296-14556-2-ND	Dual 4-Stage Binary Counter	14-SOIC		422.50/2,500	
CD74HCT540E	296-2126-5-ND	Tri-State Inverting Octal Buffer Line Driver	20-DIP	.96	.72	.54
CD74HCT541E	296-2127-5-ND	Tri-State Octal Buffer Line Driver	20-DIP	.96	.72	.54
CD74HCT541M	296-9288-5-ND	Tri-State Non-Inverting Octal Buffer Line Driver	20-SOIC	.76	.57	.43
CD74HCT541M96	296-9288-1-ND	Tri-State Non-Inverting Octal Buffer Line Driver	20-SOIC	.76	.57	.43
CD74HCT541M96	296-9288-2-ND	Tri-State Non-Inverting Octal Buffer Line Driver	20-SOIC		506.00/2,000	
CD74HCT563M	296-9289-5-ND	Tri-St. Octal Transparent Inverting Latch	20-SOIC	.60	.45	.34
CD74HCT564M	296-9290-5-ND	Tri-St. Inverting Octal D-Type Flip-Flop	20-SOIC	1.35	1.13	.90
CD74HCT573E	296-2128-5-ND	Tri-State Octal Transparent Latch	20-DIP	.96	.72	.54
CD74HCT573DBR	296-17125-1-ND	Tri-State Octal Transparent Latch	20-SSOP	.76	.57	.43
CD74HCT573DBR	296-17125-2-ND	Tri-State Octal Transparent Latch	20-SSOP		506.00/2,000	
CD74HCT573M96	296-9291-1-ND	Tri-State Octal Transparent Latch	20-SOIC	.76	.57	.43
CD74HCT573M96	296-9291-2-ND	Tri-State Octal Transparent Latch	20-SOIC		506.00/2,000	
CD74HCT574E	296-2129-5-ND	Tri-State Octal D-Type Flip-Flop	20-DIP	.96	.72	.54
CD74HCT574M96	296-9292-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.76	.57	.43
CD74HCT574M96	296-9292-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC		506.00/2,000	
CD74HCT574PWR	296-17126-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.76	.57	.43
CD74HCT574PWR	296-17126-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP		506.00/2,000	
CD74HCT597E	296-2130-5-ND	8-Bit Shift Register with Input Storage	16-DIP	.96	.79	.59
CD74HCT597M96	296-12844-1-ND	8-Bit Shift Register with Input Storage	16-SOIC	1.05	.88	.70
CD74HCT597M96	296-12844-2-ND	8-Bit Shift Register with Input Storage	16-SOIC		1137.50/2,500	
CD74HCT646M96	296-9293-1-ND	Tri-State Octal D-Type Flip-Flop	24-SOIC	2.00	1.60	1.20
CD74HCT646M96	296-9293-2-ND	Tri-State Octal D-Type Flip-Flop	24-SOIC		2080.00/2,000	
CD74HCT670M	296-9294-5-ND	4-by-4 Register File	16-SOIC	4.73	3.78	2.94
CD74HCT688E	296-2131-5-ND	8-Bit Magnitude Comparator	20-DIP	.88	.66	.50
CD74HCT688M	296-9295-5-ND	8-Bit Magnitude Comparator	20-SOIC	.80	.60	.45
CD74HCT4020M	296-9273-5-ND	14-Stage Binary Counter	16-SOIC	.48	.36	.27
CD74HCT4024M	296-9274-5-ND	7-Stage Binary Ripple Counter	14-SOIC	.56	.42	.32
CD74HCT4040E	296-2132-5-ND	12-Bit Binary Counter	16-DIP	.70	.53	.39
CD74HCT4040M96	296-14558-1-ND	12-Stage Binary Counter	16-SOIC	.64	.48	.36
CD74HCT4040M96	296-14558-2-ND	12-Stage Binary Counter	16-SOIC		520.00/2,500	
CD74HCT4046AM	296-9275-5-ND	Phase-Locked-Loop with VCO	16-SOIC	.60	.45	.34
CD74HCT4046AM96	296-14559-1-ND	Phase-Locked-Loop with VCO	16-SOIC	.60	.45	.34
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CD74HCT4051E	296-2119-5-ND	8-Channel Analog Mux/Demux	16-DIP	.52	.39	.30
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CD74HCT4051M96	296-14560-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
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CD74HCT4051QM96G1	296-17264-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.59	.48	.36
CD74HCT4051QM96G1	296-17264-2-ND	8-Channel Analog Mux/Demux	16-SOIC		397.50/2,500	
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CD74HCT4052M96	296-9277-1-ND	Dual 4-Channel Analog Mux/Demux	16-SOIC	.52	.39	.30
CD74HCT4052M96	296-9277-2-ND	Dual 4-Channel Analog Mux/Demux	16-SOIC		422.50/2,500	
CD74HCT4053E	296-2121-5-ND	Triple 2-Channel Analog Mux/Demux	16-DIP	.55	.44	.33
CD74HCT4053M	296-9278-5-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.50	.40	.30
CD74HCT4053PWR	296-9279-1-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP	.50	.40	.30
CD74HCT4053PWR	296-9279-2-ND	Triple 2-Channel Analog Mux/Demux	16-TSSOP		280.00/2,000	
CD74HCT4060M	296-9280-5-ND	14-Stage Binary Counter with Oscillator	16-SOIC	.68	.51	.39
CD74HCT4066M96	296-9281-1-ND	Quad Bilateral Switch	14-SOIC	.68	.51	.39
CD74HCT4066M96	296-9281-2-ND	Quad Bilateral Switch	14-SOIC		552.50/2,500	
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CD74HCT4316E	296-2124-5-ND	Quad Analog Switch	16-DIP	.92	.69	.52
CD74HCT4351E	296-2158-5-ND	High Speed CMOS Logic Analog Mux/Demux	20-DIP	.76	.57	.43
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74HCT02DR	296-14861-2-ND	Quad 2-Input NOR Gate	14-SOIC			297.50/2,500
74HCT02N	296-8380-5-ND	Quad 2-Input NOR Gate	14-Dip	.53	.42	.32
74HCT04D	296-1205-5-ND	Hex Inverter	14-SOIC	.46	.37	.26
74HCT04DR	296-1205-1-ND	Hex Inverter	14-SOIC	.46	.37	.26
74HCT04DR	296-1205-2-ND	Hex Inverter	14-SOIC			297.50/2,500
74HCT04N	296-1605-5-ND	Hex Inverter	14-Dip	.53	.42	.32
74HCT04PWR	296-8382-1-ND	Hex Inverter	14-TSSOP	.46	.37	.26
74HCT04PWR	296-8382-2-ND	Hex Inverter	14-TSSOP			252.00/2,000
74HCT08D	296-8383-5-ND	Quad 2-Input AND Gate	14-SOIC	.46	.37	.26
74HCT08DBR	296-8384-1-ND	Quad 2-Input AND Gate	14-SSOP	.46	.37	.26
74HCT08DBR	296-8384-2-ND	Quad 2-Input AND Gate	14-SSOP			252.00/2,000
74HCT08DR	296-14862-1-ND	Quad 2-Input AND Gate	14-SOIC	.46	.37	.26
74HCT08DR	296-14862-2-ND	Quad 2-Input AND Gate	14-SOIC			297.50/2,500
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74HCT14DGVR	296-8393-1-ND	Hex Schmitt-Trigger Inverter	14-TVSOP	.50	.41	.28
74HCT14DGVR	296-8393-2-ND	Hex Schmitt-Trigger Inverter	14-TVSOP			278.00/2,000
74HCT14DR	296-14864-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.46	.37	.26
74HCT14DR	296-14864-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC			260.00/2,500
74HCT14N	296-8394-5-ND	Hex Schmitt-Trigger Inverter	14-Dip	.53	.42	.32
74HCT14PWR	296-8395-1-ND	Hex Schmitt-Trigger Inverter	14-TSSOP	.46	.37	.26
74HCT14PWR	296-8395-2-ND	Hex Schmitt-Trigger Inverter	14-TSSOP			252.00/2,000
74HCT32D	296-1614-5-ND	Quad 2-Input OR Gate	14-SOIC	.46	.37	.26
74HCT32DBR	296-8410-1-ND	Quad 2-Input OR Gate	14-SSOP	.46	.37	.26
74HCT32DBR	296-8410-2-ND	Quad 2-Input OR Gate	14-SSOP			252.00/2,000
74HCT32DR	296-14868-1-ND	Quad 2-Input OR Gate	14-SOIC	.46	.37	.26
74HCT32DR	296-14868-2-ND	Quad 2-Input OR Gate	14-SOIC			297.50/2,500
74HCT32N	296-1615-5-ND	Quad 2-Input OR Gate	14-Dip	.53	.42	.32
74HCT32PWR	296-8411-1-ND	Quad 2-Input OR Gate	14-TSSOP	.46	.37	.26
74HCT32PWR	296-8411-2-ND	Quad 2-Input OR Gate	14-TSSOP			252.00/2,000
74HCT74D	296-1211-5-ND	Dual D-Type F/F with Clear and Preset	14-SOIC	.46	.37	.26
74HCT74DR	296-1211-1-ND	Dual D-Type F/F with Clear and Preset	14-SOIC	.46	.37	.26
74HCT74DR	296-1211-2-ND	Dual D-Type F/F with Clear and Preset	14-SOIC			297.50/2,500
74HCT74N	296-1625-5-ND	Dual D-Type Flip-Flop	14-Dip	.53	.42	.32
74HCT74PWR	296-8429-1-ND	Dual D-Type Flip-Flop with Clear and Preset	14-TSSOP	.46	.37	.26
74HCT74PWR	296-8429-2-ND	Dual D-Type Flip-Flop with Clear and Preset	14-TSSOP			252.00/2,000
74HCT125D	296-1206-5-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.55	.44	.33
74HCT125DR	296-1206-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.55	.44	.33
74HCT125DR	296-1206-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC			372.50/2,500
74HCT125N	296-8386-5-ND	Tri-State Quad Bus Buffer Gate	14-Dip	.53	.40	.30
74HCT138D	296-8387-5-ND	3-8 Line Decoder/Demultiplexer	16-SOIC	.55	.44	.33
74HCT138DR	296-14863-1-ND	3-8 Line Decoder/Demultiplexer	16-SOIC	.55	.44	.33
74HCT138DR	296-14863-2-ND	3-8 Line Decoder/Demultiplexer	16-SOIC			372.50/2,500
74HCT138N	296-1608-5-ND	3-8 Line Decoder/Demultiplexer	16-Dip	.53	.40	.30
74HCT138PWR	296-8388-1-ND	3-8 Line Decoder/Demultiplexer	14-TSSOP	.55	.44	.33
74HCT138PWR	296-8388-2-ND	3-8 Line Decoder/Demultiplexer	14-TSSOP			308.00/2,000
74HCT139D	296-8389-5-ND	Dual 2-to-4 Line Decoder/Demux	16-SOIC	.55	.44	.33
74HCT139N	296-8390-5-ND	Dual 2-to-4 Line Decoder/Demux	16-Dip	.53	.40	.30
74HCT139PWR	296-11999-1-ND	Dual 2-to-4 Line Decoder/Demux	16-TSSOP	.55	.44	.33
74HCT139PWR	296-11999-2-ND	Dual 2-to-4 Line Decoder/Demux	16-TSSOP			308.00/2,000
74HCT157D	296-8396-5-ND	Quad 2-to-1 Line Data Selector/Mux	16-SOIC	.56	.42	.32
74HCT157N	296-8397-5-ND	Quad 2-to-1 Line Data Selector/Mux	16-Dip	.56	.42	.32
74HCT240DW	296-8398-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
74HCT240DWR	296-14865-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
74HCT240DWR	296-14865-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC			400.00/2,000
74HCT240N	296-8399-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.66	.50	.38
74HCT240NSR	296-12899-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	.60	.45	.34
74HCT240NSR	296-12899-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP			400.00/2,000
74HCT240PWR	296-13631-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.60	.45	.34
74HCT240PWR	296-13631-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP			400.00/2,000
74HCT244DB	296-8400-1-ND	Tri-State Octal Buffer/Line Driver	20-SSOP	.60	.45	.34
74HCT244DBR	296-8400-2-ND	Tri-State Octal Buffer/Line Driver	20-SSOP			400.00/2,000
74HCT244DW	296-1207-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
74HCT244DWR	296-1207-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.60	.45	.34
74HCT244DWR	296-1207-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC			400.00/2,000
74HCT244N	296-1610-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.66	.50	.38
74HCT244NSR	296-8401-1-ND	Tri-State Octal Buffer/Line Driver	20-SOP	.60	.45	.34
74HCT244NSR	296-8401-2-ND	Tri-State Octal Buffer/Line Driver	20-SOP			400.00/2,000
74HCT244PWR	296-8402-1-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.60	.45	.34
74HCT244PWR	296-8402-2-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP			400.00/2,000
74HCT245DB	296-8403-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.60	.45	.34
74HCT245DBR	296-8403-2-ND	Tri-State Octal Bus Transceiver	20-SSOP			400.00/2,000
74HCT245DW	296-1208-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.60	.45	.34
74HCT245DWR	296-1208-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.60	.45	.34
74HCT245DWR	296-1208-2-ND	Tri-State Octal Bus Transceiver	20-SOIC			400.00/2,000
74HCT245N	296-1612-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.66	.50	.38
74HCT245PWR	296-8404-1-ND	Tri-State Octal Bus Transceiver	20-TSSOP	.60	.45	.34
74HCT245PWR	296-8404-2-ND	Tri-State Octal Bus Transceiver	20-TSSOP			400.00/2,000
74HCT257D	296-14866-1-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOIC	.56	.42	.32
74HCT257DR	296-14866-2-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-SOIC			455.00/2,500
74HCT257N	296-8406-5-ND	Tri-St. Quad 2-1 Line Data Selector/Mux	16-Dip	.62	.47	.35
74HCT273DBR	296-8407-1-ND	Octal D-Type Flip-Flop with Clear	20-SSOP	.56	.42	.32
74HCT273DBR	296-8407-2-ND	Octal D-Type Flip-Flop with Clear	20-SSOP			372.00/2,000
74HCT273DW	296-8408-5-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.56	.42	.32

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74HCT273DWR	296-14867-1-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.56	.42	.32
SN74HCT273DWR	296-14867-2-ND	Octal D-Type Flip-Flop with Clear	20-SOIC			372.00/2,000
SN74HCT273N	296-1613-5-ND	Octal D-Type Flip-Flop with Clear	20-Dip	.62	.47	.35
SN74HCT273PWR	296-8409-1-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP	.56	.42	.32
SN74HCT273PWR	296-8409-2-ND	Octal D-Type Flip-Flop with Clear	20-TSSOP			372.00/2,000
SN74HCT373DW	296-8412-5-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.60	.45	.34
SN74HCT373DWR	296-8412-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC	.60	.45	.34
SN74HCT373DWR	296-8412-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOIC			400.00/2,000
SN74HCT373N	296-1616-5-ND	Tri-St. Octal Transparent D-Type Latch	20-Dip	.66	.50	.38
SN74HCT373NSR	296-8413-1-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP	.66	.50	.38
SN74HCT373NSR	296-8413-2-ND	Tri-St. Octal Transparent D-Type Latch	20-SOP			438.00/2,000
SN74HCT373PWR	296-8414-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.60	.45	.34
SN74HCT373PWR	296-8414-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP			400.00/2,000
SN74HCT374DBR	296-8415-1-ND	Tri-State Octal Transp. D-Type Flip-Flop	20-SSOP	.60	.45	.34
SN74HCT374DBR	296-8415-2-ND	Tri-State Octal Transp. D-Type Flip-Flop	20-SSOP			400.00/2,000
SN74HCT374DW	296-1209-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
SN74HCT374DWR	296-1209-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
SN74HCT374DWR	296-1209-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC			400.00/2,000
SN74HCT374N	296-1617-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.66	.50	.38
SN74HCT377DW	296-8416-5-ND	Octal D-Type Flip-Flop with Clock Enable	20-SOIC	.56	.42	.32
SN74HCT377N	296-8417-5-ND	Octal D-Type Flip-Flop with Clock Enable	20-Dip	.62	.47	.35
SN74HCT540DW	296-8418-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
SN74HCT540DWR	296-14869-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
SN74HCT540DWR	296-14869-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC			372.00/2,000
SN74HCT540N	296-8419-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.56	.42	.32
SN74HCT541DW	296-1618-5-ND	Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
SN74HCT541DWR	296-14870-1-ND	Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
SN74HCT541DWR	296-14870-2-ND	Octal Buffer/Line Driver	20-SOIC			372.00/2,000
SN74HCT541N	296-1619-5-ND	Octal Buffer/Line Driver	20-Dip	.62	.47	.35
SN74HCT573DBR	296-8420-1-ND	Tri-St. Octal D-Type Transparent Latch	20-SSOP	.60	.45	.34
SN74HCT573DBR	296-8420-2-ND	Tri-St. Octal D-Type Transparent Latch	20-SSOP			400.00/2,000
SN74HCT573DW	296-1210-5-ND	Tri-St. Octal D-Type Transparent Latch	20-SOIC	.60	.45	.34
SN74HCT573DWR	296-1210-1-ND	Tri-State Octal D-Type Transparent Latch	20-SOIC	.60	.45	.34
SN74HCT573DWR	296-1210-2-ND	Tri-State Octal D-Type Transparent Latch	20-SOIC			400.00/2,000
SN74HCT573N	296-1621-5-ND	Tri-State Octal D-Type Transparent Latch	20-Dip	.66	.50	.38
SN74HCT574DW	296-1622-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
SN74HCT574DWR	296-14871-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.45	.34
SN74HCT574DWR	296-14871-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC			400.00/2,000
SN74HCT574N	296-1623-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.66	.50	.38
SN74HCT574PWR	296-8421-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.60	.45	.34
SN74HCT574PWR	296-8421-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP			400.00/2,000
SN74HCT623DW	296-8422-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	5.27	4.22	3.28
SN74HCT645DW	296-8423-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	1.20	1.00	.80
SN74HCT645N	296-8424-5-ND	Tri-State Octal Bus Transceiver	20-Dip	1.20	1.00	.80
SN74HCT646DW	296-8425-5-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC	1.26	1.05	.84
SN74HCT646NT	296-8426-5-ND	Tri-State Octal Bus Transceiver/Register	24-Dip	1.38	1.15	.92
SN74HCT652DW	296-1624-5-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC	1.50	1.20	.90
SN74HCT652DWR	296-1624-1-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC	1.50	1.20	.90
SN74HCT652DWR	296-1624-2-ND	Tri-State Octal Bus Transceiver/Register	24-SOIC			1560.00/2,000
SN74HCT652NT	296-8427-5-ND	Tri-State Octal Bus Transceiver/Register	24-Dip	1.50	1.20	.90

HCU Family

CD74HCU04M	296-9432-5-ND	Hex Inverter/Buffer	14-SOIC	.48	.36	.27
SN74HCU04D	296-9819-5-ND	Hex Inverter	14-SOIC	.46	.37	.26
SN74HCU04DR	296-14872-1-ND	Hex Inverter	14-SOIC	.46	.37	.26
SN74HCU04DR	296-14872-2-ND	Hex Inverter	14-SOIC			297.50/2,500
SN74HCU04N	296-9820-5-ND	Hex Inverter	14-Dip	.53	.42	.32
SN74HCU04PWR	296-9821-1-ND	Hex Inverter	14-TSSOP	.46	.37	.26
SN74HCU04PWR	296-9821-2-ND	Hex Inverter	14-TSSOP			252.00/2,000

HSTL Family

SN74HSTL16918DGGR	296-9823-1-ND	9-to-18 Bit HSTL-to-LVTTL Memory Address Latch	48-TSSOP	4.50	3.60	2.80
SN74HSTL16918DGGR	296-9823-2-ND	9-to-18 Bit HSTL-to-LVTTL Memory Address Latch	48-TSSOP			5100.00/2,000
SN74HSTL16919DGGR	296-13219-1-ND	9-to-18 Bit HSTL-to-LVTTL Memory Address Latch with Input Pullup Resistors	48-TSSOP	7.50	6.00	5.07
SN74HSTL16919DGGR	296-13219-2-ND	9-to-18 Bit HSTL-to-LVTTL Memory Address Latch with Input Pullup Resistors	48-TSSOP			9376.00/2,000
SN74HSTL162822DGGR	296-9822-1-ND	14-to-28 Bit HSTL-to-LVTTL Memory Address Latch	64-TSSOP	8.00	6.40	5.40
SN74HSTL162822DGGR	296-9822-2-ND	14-to-28 Bit HSTL-to-LVTTL Memory Address Latch	64-TSSOP			10000.00/2,000

LS Family

SN74LS00DR	296-14873-1-ND	Quad 2-Input Positive NAND Gate	14-SOIC	.56	.42	.32
SN74LS00DR	296-14873-2-ND	Quad 2-Input Positive NAND Gate	14-SOIC			455.00/2,500
SN74LS00N	296-1626-5-ND	Quad 2-Input Positive NAND Gate	14-Dip	.56	.42	.32
SN74LS00NSR	296-3616-2-ND	Quad 2-Input Positive NAND Gate	14-SOP			372.00/2,000
SN74LS00PSR	296-13220-1-ND	Quad 2-Input Positive NAND Gate	8-SOP	.56	.42	.32
SN74LS00PSR	296-13220-2-ND	Quad 2-Input Positive NAND Gate	8-SOP			372.00/2,000
SN74LS02DR	296-14874-1-ND	Quad 2-Input Positive NOR Gate	14-SOIC	.56	.42	.32
SN74LS02DR	296-14874-2-ND	Quad 2-Input Positive NOR Gate	14-SOIC			455.00/2,500
SN74LS02N	296-1627-5-ND	Quad 2-Input NOR Gate	14-Dip	.56	.42	.32
SN74LS02NSR	296-3618-2-ND	Quad 2-Input NOR Gate	14-SOP			372.00/2,000
SN74LS03N	296-3620-5-ND	Quad 2-Input NAND Gate with OC Output	14-Dip	.96	.72	.54
SN74LS04DR	296-14628-1-ND	Hex Inverter	14-SOIC	.56	.42	.32
SN74LS04DR	296-14875-1-ND	Hex Inverter	14-SOIC	.56	.42	.32
SN74LS04DR	296-14875-2-ND	Hex Inverter	14-SOIC			455.00/2,500
SN74LS04N	296-1629-5-ND	Hex Inverter	14-Dip	.56	.42	.32
SN74LS05D	296-1630-5-ND	Hex Inverter with OC Output	14-SOIC	.56	.42	.32
SN74LS05DBR	296-3622-1-ND	Hex Inverter with OC Output	14-SSOP	.56	.42	.32
SN74LS05DBR	296-3622-2-ND	Hex Inverter with OC Output	14-SSOP			372.00/2,000
SN74LS05N	296-1631-5-ND	Hex Inverter with OC Output	14-Dip	.56	.42	.32
SN74LS05DR	296-1630-1-ND	Hex Inverter with OC Output	14-SOIC	.56	.42	.32
SN74LS05DR	296-1630-2-ND	Hex Inverter with OC Output	14-SOIC			455.00/2,500
SN74LS06DBR	296-3624-1-ND	Hex Inverter Buffer/Driver with OC High-Voltage Output	14-SSOP	.90	.75	.60
SN74LS06DBR	296-3624-2-ND	Hex Inverter Buffer/Driver with OC High-Voltage Output	14-SSOP			798.00/2,000
SN74LS06DR	296-14876-1-ND	Hex Inverter Buffer/Driver with OC High-Voltage Output	14-SOIC	.90	.75	.60
SN74LS06DR	296-14876-2-ND	Hex Inverter Buffer/Driver with OC High-Voltage Output	14-SOIC			975.00/2,500
SN74LS06N	296-15069-5-ND	Hex Inverter Buffer/Driver with OC High-Voltage Output	14-Dip	.90	.75	.60

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LS07D	296-3626-5-ND	Hex Buffer/Driver with HV Output	14-SOP	.90	.75	.60
SN74LS07DBR	296-3627-1-ND	Hex Buffer/Driver with HV Output	14-SSOP	.90	.75	.60
SN74LS07DBR	296-3627-2-ND	Hex Buffer/Driver with HV Output	14-SSOP		796.00/2,000	
SN74LS07DR	296-14877-1-ND	Hex Buffer/Driver with HV Output	14-Dip	.99	.83	.66
SN74LS07DR	296-14877-2-ND	Hex Buffer/Driver with HV Output	14-SOIC		1072.50/2,500	
SN74LS07N	296-14878-5-ND	Hex Buffer/Driver with HV Output	14-Dip	.90	.75	.60
SN74LS07NSR	296-3628-2-ND	Hex Buffer/Driver with HV Output	14-SOP		798.00/2,000	
SN74LS08D	296-1632-5-ND	Quad 2-Input AND Gate	14-SOIC	.56	.42	.32
SN74LS08DR	296-14879-1-ND	Quad 2-Input AND Gate	14-SOIC	.56	.42	.32
SN74LS08DR	296-14879-2-ND	Quad 2-Input AND Gate	14-SOIC		455.00/2,500	
SN74LS08N	296-1633-5-ND	Quad 2-Input AND Gate	14-Dip	.56	.42	.32
SN74LS09DR	296-14880-1-ND	Quad 2-Input AND Gate with OC Output	14-SOIC	.56	.42	.32
SN74LS09DR	296-14880-2-ND	Quad 2-Input AND Gate with OC Output	14-SOIC		455.00/2,500	
SN74LS09N	296-3631-5-ND	Quad 2-Input AND Gate with OC Output	14-Dip	.56	.42	.32
SN74LS10N	296-1634-5-ND	Triple 3-Input NAND Gate	14-Dip	.68	.51	.39
SN74LS11N	296-3638-5-ND	Triple 3-Input Positive AND Gate	14-Dip	.68	.51	.39
SN74LS14D	296-1212-5-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.48	.36	.27
SN74LS14DR	296-1212-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.48	.36	.27
SN74LS14DR	296-1212-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		390.00/2,500	
SN74LS14N	296-1643-5-ND	Hex Schmitt-Trigger Inverter	14-Dip	.56	.42	.32
SN74LS20N	296-3670-5-ND	Dual 4-Input NAND Gate	14-Dip	.96	.72	.54
SN74LS21N	296-3672-5-ND	Dual 4-Input AND Gate	14-Dip	.52	.39	.30
SN74LS27N	296-14890-5-ND	Triple 3-Input NOR Gate	14-Dip	.81	.68	.54
SN74LS30N	296-3693-5-ND	8-Input NAND Gate	14-Dip	.48	.36	.27
SN74LS32DR	296-14891-1-ND	Quad 2-Input OR Gate	14-SOIC	.52	.39	.30
SN74LS32DR	296-14891-2-ND	Quad 2-Input OR Gate	14-SOIC		422.50/2,500	
SN74LS32N	296-1658-5-ND	Quad 2-Input OR Gate	14-Dip	.52	.39	.30
SN74LS33DR	296-14892-1-ND	Quad 2-Input NOR Buffer w/OC Output	14-SOIC	1.26	1.05	.84
SN74LS33DR	296-14892-2-ND	Quad 2-Input NOR Buffer w/OC Output	14-SOIC		1365.00/2,500	
SN74LS33N	296-3699-5-ND	Quad 2-Input NOR Buffer w/OC Output	14-Dip	1.26	1.05	.84
SN74LS38N	296-1664-5-ND	Quad 2-Input NAND Buffer	14-Dip	.88	.66	.50
SN74LS47N	296-3712-5-ND	BCD to 7-Segment Decoder/Driver	16-Dip	1.44	1.20	.96
SN74LS47NSR	296-13223-1-ND	BCD to 7-Segment Decoder/Driver	16-SOP	1.44	1.20	.96
SN74LS47NSR	296-13223-2-ND	BCD to 7-Segment Decoder/Driver	16-SOP		1276.00/2,000	
SN74LS74ADR	296-14899-1-ND	Dual D-Type Flip-Flop	14-SOIC	.52	.39	.30
SN74LS74ADR	296-14899-2-ND	Dual D-Type Flip-Flop	14-SOIC		422.50/2,500	
SN74LS74AN	296-1668-5-ND	Dual D-Type Flip-Flop	14-Dip	.52	.39	.30
SN74LS85N	296-14900-5-ND	4-Bit Magnitude Comparator	16-Dip	1.05	.88	.70
SN74LS86ADR	296-14901-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.52	.39	.30
SN74LS86ADR	296-14901-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		422.50/2,500	
SN74LS86AN	296-1669-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.52	.39	.30
SN74LS92D	296-3747-5-ND	Divide-by-Twelve Counter	14-SOIC	1.65	1.32	.99
SN74LS92NSR	296-13225-1-ND	Divide-by-Twelve Counter	14-SOP	1.65	1.32	.99
SN74LS92NSR	296-13225-2-ND	Divide-by-Twelve Counter	14-SOP		1716.00/2,000	
SN74LS93N	296-3750-5-ND	4-Bit Binary Counter	14-Dip	1.65	1.32	.99
SN74LS112AN	296-3637-5-ND	Dual J-K Negative-Edge-Triggered F/F	16-Dip	.68	.51	.39
SN74LS122N	296-3639-5-ND	Retriggerable Monostable Multivibrator	14-Dip	.90	.75	.60
SN74LS122NSR	296-13221-1-ND	Retriggerable Monostable Multivibrator	14-SOP	.90	.75	.60
SN74LS122NSR	296-13221-2-ND	Retriggerable Monostable Multivibrator	14-SOP		798.00/2,000	
SN74LS123D	296-1635-5-ND	Dual Monostable Multivibrator	16-SOIC	.72	.54	.41
SN74LS123DR	296-14881-1-ND	Dual Monostable Multivibrator	16-SOIC	.72	.54	.41
SN74LS123DR	296-14881-2-ND	Dual Monostable Multivibrator	16-SOIC		585.00/2,500	
SN74LS123N	296-1636-5-ND	Dual Monostable Multivibrator	16-Dip	.72	.54	.41
SN74LS125AD	296-1637-5-ND	Tri-State Quad Bus Buffer	14-SOIC	.72	.54	.41
SN74LS125ADR	296-1637-1-ND	Tri-State Quad Bus Buffer	14-SOIC	.72	.54	.41
SN74LS125ADR	296-1637-2-ND	Tri-State Quad Bus Buffer	14-SOIC		585.00/2,500	
SN74LS125AN	296-1638-5-ND	Tri-State Quad Bus Buffer	14-Dip	.72	.54	.41
SN74LS126ADR	296-14882-1-ND	Tri-State Quad Bus Buffer	14-SOIC	.72	.54	.41
SN74LS126ADR	296-14882-2-ND	Tri-State Quad Bus Buffer	14-SOIC		585.00/2,500	
SN74LS126AN	296-3643-5-ND	Tri-State Quad Bus Buffer	14-Dip	.72	.54	.41
SN74LS132N	296-3645-5-ND	Quad 2-Input NAND Schmitt Trigger	14-Dip	.76	.57	.43
SN74LS136N	296-3647-5-ND	Quad 2-Input Exclusive OR Gate	14-Dip	.90	.75	.60
SN74LS138DR	296-14883-1-ND	3-8 Line Decoder/Demux	16-SOIC	.72	.54	.41
SN74LS138DR	296-14883-2-ND	3-8 Line Decoder/Demux	16-SOIC		585.00/2,500	
SN74LS138N	296-1639-5-ND	3-8 Line Decoder/Demux	16-Dip	.72	.54	.41
SN74LS139AN	296-1640-5-ND	Dual 2-4 Line Decoder	16-Dip	.72	.54	.41
SN74LS145N	296-1641-5-ND	BCD-To-Decimal Decoder/Driver	16-Dip	.81	.68	.54
SN74LS148N	296-3651-5-ND	8-3 Line Priority Encoder	16-Dip	1.20	1.00	.80
SN74LS151N	296-1644-5-ND	8-1 Data Selector/Multiplexer	16-Dip	.88	.66	.50
SN74LS157DR	296-14884-1-ND	Quad 2-Input Data Selector/Mux	16-SOIC	.68	.51	.39
SN74LS157DR	296-14884-2-ND	Quad 2-1 Data Selector/Mux	16-SOIC		552.50/2,500	
SN74LS157N	296-1645-5-ND	Quad 2-1 Data Selector/Mux	16-Dip	.68	.51	.39
SN74LS157NSR	296-3659-2-ND	Quad 2-1 Data Selector/Mux	16-SOP		452.00/2,000	
SN74LS161AN	296-1646-5-ND	4-Bit Synchronous Binary Counter	16-Dip	.76	.57	.43
SN74LS161ANSR	296-3660-2-ND	4-Bit Synchronous Binary Counter	16-SOP		506.00/2,000	
SN74LS163AN	296-3661-5-ND	Sync. 4-Bit Binary Counter	16-Dip	.76	.57	.43
SN74LS164N	296-1647-5-ND	8-Bit Shift Register	14-Dip	.68	.51	.39
SN74LS165AN	296-14885-5-ND	Parallel Load 8-Bit Shift Register	16-Dip	.68	.51	.39
SN74LS175N	296-1648-5-ND	Quad D-Type Flip-Flop	16-Dip	.80	.60	.45
SN74LS191N	296-14886-5-ND	Sync. Up/Down Counter with Down/Up Mode Control	16-Dip	.81	.68	.54
SN74LS193N	296-1649-5-ND	4-Bit Up/Down Counter	16-Dip	.81	.68	.54
SN74LS221N	296-3674-5-ND	Dual Mono Multivibrator	16-Dip	.93	.78	.62
SN74LS240DW	296-1650-5-ND	Octal Buffer/Line Driver	20-SOIC	.84	.63	.48
SN74LS240DWR	296-1650-1-ND	Octal Buffer/Line Driver	20-SOIC	.84	.63	.48
SN74LS240DWR	296-1650-2-ND	Octal Buffer/Line Driver	20-SOIC		558.00/2,000	
SN74LS240N	296-1651-5-ND	Octal Buffer/Line Driver	20-Dip	.84	.63	.48
SN74LS241N	296-14887-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.84	.63	.48
SN74LS244DW	296-1213-5-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.88	.66	.50
SN74LS244DWR	296-1213-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.88	.66	.50
SN74LS244DWR	296-1213-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		586.00/2,000	
SN74LS244N	296-1653-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.88	.66	.50
SN74LS245DW	296-1214-5-ND	Octal Bus Transceiver	20-SOIC	.88	.66	.50
SN74LS245DWR	296-1214-1-ND	Octal Bus Transceiver	20-SOIC	.88	.66	.50
SN74LS245DWR	296-1214-2-ND	Octal Bus Transceiver	20-SOIC		586.00/2,000	
SN74LS245N	296-1655-5-ND	Octal Bus Transceiver	20-Dip	.88	.66	.50
SN74LS247D	296-3678-5-ND	BCD to 7-Segment Decoder/Driver	16-SOIC	1.44	1.20	.96
SN74LS247N	296-3679-5-ND	BCD to 7-Segment Decoder/Driver	16-Dip	1.44	1.20	.96
SN74LS251N	296-14888-5-ND	Tri-State 8-1 Data Selector/Mux	16-Dip	.72	.66	.50
SN74LS257BN	296-1656-5-ND	Quad 2-1 Data Selector/Multiplexer	16-Dip	.88	.66	.50
SN74LS259BN	296-14889-5-ND	8-Bit Addressable Latch	16-Dip	.84	.70	.56
SN74LS266N	296-3681-5-ND	Quad 2-input Exclusive-NOR Gate with OC Output	14-Dip	.84	.70	.56
SN74LS273DWR	296-3682-1-ND	Octal D-Type Flip-Flop	20-SOIC	.84	.63	.48
SN74LS273DWR	296-3682-2-ND	Octal D-Type Flip-Flop	20-SOIC		558.00/2,000	
SN74LS273N	296-1657-5-ND	Octal D-Type Flip-Flop	20-Dip	.84	.63	.48

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LS279AN	296-3684-5-ND	Quad S-R Latch	16-Dip	.96	.80	.64
SN74LS279ANSR	296-13222-1-ND	Quad S-R Latch	16-SOP	.96	.80	.64
SN74LS279ANSR	296-13222-2-ND	Quad S-R Latch	16-SOP		852.00/2,000	
SN74LS280N	296-3687-5-ND	9-Bit Odd/Even Parity Generator/Checker	14-Dip	.96	.80	.64
SN74LS367AN	296-3701-5-ND	Tri-State Hex Bus Driver	16-Dip	.87	.73	.58
SN74LS368AN	296-3702-5-ND	6-Bit Buffer/Line Driver	16-Dip	.87	.73	.58
SN74LS373DW	296-1659-5-ND	Octal D-Type Latch	20-SOIC	.80	.60	.45
SN74LS373DWR	296-14893-1-ND	Octal D-Type Latch	20-SOIC	.80	.60	.45
SN74LS373DWR	296-14893-2-ND	Octal D-Type Latch	20-SOIC		532.00/2,000	
SN74LS373N	296-1660-5-ND	Octal D-Type Latch	20-Dip	.80	.60	.45
SN74LS374DW	296-1661-5-ND	Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74LS374DWR	296-14894-1-ND	Octal D-Type Flip-Flop	20-SOIC	.80	.60	.45
SN74LS374DWR	296-14894-2-ND	Octal D-Type Flip-Flop	20-SOIC		532.00/2,000	
SN74LS374N	296-1662-5-ND	Octal D-Type Flip-Flop	20-Dip	.80	.60	.45
SN74LS377N	296-1663-5-ND	Octal D-Type Flip-Flop	20-Dip	1.11	.93	.74
SN74LS393N	296-1665-5-ND	Dual 4-Bit Binary Counter	14-Dip	.90	.75	.60
SN74LS399N	296-14895-5-ND	Quad 2-Input Mux with Storage	16-Dip	1.40	1.12	.84
SN74LS423N	296-3707-5-ND	Dual Retrig. Mono Multivibrator	16-Dip	1.75	1.40	1.05
SN74LS540N	296-3715-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	1.20	1.00	.80
SN74LS541DWR	296-3716-1-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.90	.75	.60
SN74LS541DWR	296-3716-2-ND	Tri-State Octal Buffer/Line Driver	20-SOIC		798.00/2,000	
SN74LS541N	296-1666-5-ND	Tri-State Octal Buffer/Line Driver	20-Dip	.90	.75	.60
SN74LS590N	296-3718-5-ND	8-Bit Binary Counter	16-Dip	6.62	5.30	4.47
SN74LS595DR	296-14896-1-ND	8-Bit Shift Register with Output Latch	16-SOIC	6.60	5.28	4.46
SN74LS595DR	296-14896-2-ND	8-Bit Shift Register with Output Latch	16-SOIC		10230.00/2,500	
SN74LS595N	296-15070-5-ND	8-Bit Shift Register with Output Latch	16-Dip	6.60	5.28	4.46
SN74LS640N	296-14897-5-ND	Octal Bus Transceiver	20-Dip	1.28	1.02	.77
SN74LS645-1NSR	296-13224-1-ND	Tri-State Octal Bus Transceiver	20-SOP	2.38	1.90	1.43
SN74LS645-1NSR	296-13224-2-ND	Tri-State Octal Bus Transceiver	20-SOP		2470.00/2,000	
SN74LS682N	296-14898-5-ND	8-Bit Magnitude/Identity Comparator	20-Dip	1.65	1.32	.99
SN74LS688N	296-1667-5-ND	8-Bit Magnitude Comparator	20-Dip	1.75	1.40	1.05

LV Family

SN74LV00AD	296-1670-5-ND	Quad 2-Input Positive NAND Gate	14-SOIC	.49	.40	.27
SN74LV00ADR	296-1670-1-ND	Quad 2-Input Positive NAND Gate	14-SOIC	.46	.37	.26
SN74LV00ADR	296-1670-2-ND	Quad 2-Input Positive NAND Gate	14-SOIC		297.50/2,500	
SN74LV00ADBR	296-3751-1-ND	Quad 2-Input Positive NAND Gate	14-SSOP	.46	.37	.26
SN74LV00ADBR	296-3751-2-ND	Quad 2-Input Positive NAND Gate	14-SSOP		252.00/2,000	
SN74LV00ADGVR	296-3752-1-ND	Quad 2-Input Positive NAND Gate	14-TVSOP	.50	.41	.28
SN74LV00ADGVR	296-3752-2-ND	Quad 2-Input Positive NAND Gate	14-TVSOP		278.00/2,000	
SN74LV00ANSR	296-13226-1-ND	Quad 2-Input Positive NAND Gate	14-SOP	.46	.37	.26
SN74LV00ANSR	296-13226-2-ND	Quad 2-Input Positive NAND Gate	14-SOP		252.00/2,000	
SN74LV00APWR	296-3753-1-ND	Quad 2-Input Positive NAND Gate	14-TSSOP	.46	.37	.26
SN74LV00APWR	296-3753-2-ND	Quad 2-Input Positive NAND Gate	14-TSSOP		252.00/2,000	
SN74LV00ARGYR	296-13927-1-ND	Quad 2-Input Positive NAND Gate	14-QFN	.50	.38	.29
SN74LV00ARGYR	296-13927-2-ND	Quad 2-Input Positive NAND Gate	14-QFN		166.00/1,000	
SN74LV02AD	296-1671-5-ND	Quad 2-Input NOR Gate	14-SOIC	.60	.45	.34
SN74LV02ADBR	296-3754-1-ND	Quad 2-Input NOR Gate	14-SSOP	.60	.45	.34
SN74LV02ADBR	296-3754-2-ND	Quad 2-Input NOR Gate	14-SSOP		400.00/2,000	
SN74LV02ADGVR	296-16706-1-ND	Quad 2-Input NOR Gate	14-TVSOP	.60	.45	.34
SN74LV02ADGVR	296-16706-2-ND	Quad 2-Input NOR Gate	14-TVSOP		400.00/2,000	
SN74LV02APWR	296-14902-1-ND	Quad 2-Input NOR Gate	14-TSSOP	.60	.45	.34
SN74LV02APWR	296-14902-2-ND	Quad 2-Input NOR Gate	14-TSSOP		400.00/2,000	
SN74LV02ARGYR	296-13928-1-ND	Quad 2-Input NOR Gate	14-QFN	.50	.38	.29
SN74LV02ARGYR	296-13928-2-ND	Quad 2-Input NOR Gate	14-QFN		166.00/1,000	
SN74LV04AD	296-1672-5-ND	Hex Inverter	14-SOIC	.49	.40	.27
SN74LV04ADBR	296-3755-1-ND	Hex Inverter	14-SSOP	.46	.37	.26
SN74LV04ADBR	296-3755-2-ND	Hex Inverter	14-SSOP		252.00/2,000	
SN74LV04ADGVR	296-3756-1-ND	Hex Inverter	14-TVSOP	.50	.41	.28
SN74LV04ADGVR	296-3756-2-ND	Hex Inverter	14-TVSOP		278.00/2,000	
SN74LV04APWR	296-3757-1-ND	Hex Inverter	14-TSSOP	.46	.37	.26
SN74LV04APWR	296-3757-2-ND	Hex Inverter	14-TSSOP		252.00/2,000	
SN74LV04ARGYR	296-13929-1-ND	Hex Inverter	14-QFN	.50	.38	.29
SN74LV04ARGYR	296-13929-2-ND	Hex Inverter	14-QFN		166.00/1,000	
SN74LV05ADGVR	296-14313-1-ND	Hex Inverter with OD Output	14-TVSOP	.60	.45	.34
SN74LV05ADGVR	296-14313-2-ND	Hex Inverter with OD Output	14-TVSOP		400.00/2,000	
SN74LV05ADR	296-3758-1-ND	Hex Inverter with OD Output	14-SOIC	.60	.45	.34
SN74LV05ADR	296-3758-2-ND	Hex Inverter with OD Output	14-SOIC		487.50/2,500	
SN74LV05APWR	296-3759-1-ND	Hex Inverter with OD Output	14-TSSOP	.60	.45	.34
SN74LV05APWR	296-3759-2-ND	Hex Inverter with OD Output	14-TSSOP		400.00/2,000	
SN74LV06ADBR	296-3760-1-ND	Hex Inverter Buffer/Driver with OD Out	14-SSOP	.60	.45	.34
SN74LV06ADBR	296-3760-2-ND	Hex Inverter Buffer/Driver with OD Out	14-SSOP		400.00/2,000	
SN74LV06ADGVR	296-3761-1-ND	Hex Inverter Buffer/Driver with OD Out	14-TVSOP	.60	.45	.34
SN74LV06ADGVR	296-3761-2-ND	Hex Inverter Buffer/Driver with OD Out	14-TVSOP		400.00/2,000	
SN74LV06ADR	296-3762-1-ND	Hex Inverter Buffer/Driver with OD Out	14-SOIC	.60	.45	.34
SN74LV06ADR	296-3762-2-ND	Hex Inverter Buffer/Driver with OD Out	14-SOIC		487.50/2,500	
SN74LV06APWR	296-3763-1-ND	Hex Inverter Buffer/Driver with OD Out	14-TSSOP	.60	.45	.34
SN74LV06APWR	296-3763-2-ND	Hex Inverter Buffer/Driver with OD Out	14-TSSOP		400.00/2,000	
SN74LV07AD	296-3764-5-ND	Hex Buffer/Driver with OD Out	14-SOIC	.60	.45	.34
SN74LV07ADR	296-3764-1-ND	Hex Buffer/Driver with OD Out	14-SOIC	.60	.45	.34
SN74LV07ADR	296-3764-2-ND	Hex Buffer/Driver with OD Out	14-SOIC		487.50/2,500	
SN74LV07ADBR	296-3765-1-ND	Hex Buffer/Driver with OD Out	14-SSOP	.60	.45	.34
SN74LV07ADBR	296-3765-2-ND	Hex Buffer/Driver with OD Out	14-SSOP		400.00/2,000	
SN74LV07ADGVR	296-3766-1-ND	Hex Buffer/Driver with OD Out	14-TVSOP	.60	.45	.34
SN74LV07ADGVR	296-3766-2-ND	Hex Buffer/Driver with OD Out	14-TVSOP		400.00/2,000	
SN74LV07APWR	296-3767-1-ND	Hex Buffer/Driver with OD Out	14-TSSOP	.60	.45	.34
SN74LV07APWR	296-3767-2-ND	Hex Buffer/Driver with OD Out	14-TSSOP		400.00/2,000	
SN74LV08AD	296-1673-5-ND	Quad 2-Input AND Gate	14-SOIC	.46	.37	.26
SN74LV08ADBR	296-3768-1-ND	Quad 2-Input AND Gate	14-SSOP	.46	.37	.26
SN74LV08ADBR	296-3768-2-ND	Quad 2-Input AND Gate	14-SSOP		252.00/2,000	
SN74LV08ADGVR	296-3769-1-ND	Quad 2-Input AND Gate	14-TVSOP	.50	.41	.28
SN74LV08ADGVR	296-3769-2-ND	Quad 2-Input AND Gate	14-TVSOP		278.00/2,000	
SN74LV08AMPWREP	296-19441-1-ND	Quad 2-Input AND Gate	14-TSSOP	.60	.45	.34
SN74LV08AMPWREP	296-19441-2-ND	Quad 2-Input AND Gate	14-TSSOP		400.00/2,000	
SN74LV08APWR	296-3770-1-ND	Quad 2-Input AND Gate	14-TSSOP	.46	.37	.26
SN74LV08APWR	296-3770-2-ND	Quad 2-Input AND Gate	14-TSSOP		270.00/2,000	
SN74LV08ARGYR	296-13930-1-ND	Quad 2-Input AND Gate	14-QFN	.50	.38	.29
SN74LV08ARGYR	296-13930-2-ND	Quad 2-Input AND Gate	14-QFN		166.00/1,000	
SN74LV10AD	296-3771-5-ND	Triple 3-Input NAND Gate	14-SOIC	.46	.37	.26
SN74LV10ADR	296-3771-1-ND	Triple 3-Input NAND Gate	14-SOIC	.46	.37	.26
SN74LV10ADR	296-3771-2-ND	Triple 3-Input NAND Gate	14-SOIC		297.50/2,500	
SN74LV10ADBR	296-3772-1-ND	Triple 3-Input NAND Gate	14-SSOP	.46	.37	.26
SN74LV10ADBR	296-3772-2-ND	Triple 3-Input NAND Gate	14-SSOP		252.00/2,000	

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74LV8153PWR	296-18750-1-ND	Serial-to-Parallel Interface	20-TSSOP	1.38	1.10	.83
74LV8153PWR	296-18750-2-ND	Serial-to-Parallel Interface	20-TSSOP		1430.00/2,000	
74LV8153QPWRQ1	296-17728-1-ND	Serial-to-Parallel Interface	20-TSSOP	1.61	1.29	.97
74LV8153QPWRQ1	296-17728-2-ND	Serial-to-Parallel Interface	20-TSSOP		1674.00/2,000	
74LV161284DGGR	296-1215-2-ND	19-Bit Bus Interface	48-TSSOP	3.04	2.43	1.89
74LV161284DGGR		19-Bit Bus Interface	48-TSSOP		3442.00/2,000	
74LV161284DL	296-1679-5-ND	19-Bit Bus Interface	48-SSOP	3.04	2.43	1.89
74LV161284DLR	296-3786-1-ND	19-Bit Bus Interface	48-SSOP	3.04	2.43	1.89
74LV161284DLR	296-3786-2-ND	19-Bit Bus Interface	48-SSOP		1721.00/1,000	
		LVC Family				
1G125QDCKRQ1	296-18348-1-ND	Tri-State Single Bus Buffer Gate	SC70-5	.46	.37	.26
1G125QDCKRQ1	296-18348-2-ND	Tri-State Single Bus Buffer Gate	SC70-5		357.00/3,000	
1G3157QDBVRQ1	296-18349-1-ND	SPDT Analog Switch	SOT-23-6	.76	.62	.43
1G3157QDBVRQ1	296-18349-2-ND	SPDT Analog Switch	SOT-23-6		597.00/3,000	
1G3157QDCKRQ1	296-15610-1-ND	SPDT Analog Switch	SC70-6	.80	.60	.45
1G3157QDCKRQ1	296-15610-2-ND	SPDT Analog Switch	SC70-6		780.00/3,000	
74LVC1G00DBVR	296-9845-1-ND	2-Input NAND Gate	SOT-23-5	.39	.32	.22
74LVC1G00DBVR	296-9845-2-ND	2-Input NAND Gate	SOT-23-5		306.00/3,000	
74LVC1G00DCKR	296-9846-1-ND	2-Input NAND Gate	SC70	.39	.32	.22
74LVC1G00DCKR	296-9846-2-ND	2-Input NAND Gate	SC70		306.00/3,000	
74LVC1G00DRLR	296-18007-1-ND	2-Input NAND Gate	SOP-5	.42	.35	.24
74LVC1G00DRLR	296-18007-2-ND	2-Input NAND Gate	SOP-5		444.00/4,000	
74LVC1G00YEAR	296-14022-1-ND	Single 2-Input Positive NAND Gate	5-DSBGA	.76	.57	.43
74LVC1G00YEAR	296-14022-2-ND	Single 2-Input Positive NAND Gate	5-DSBGA		741.00/3,000	
74LVC1G00YZAR	296-14023-1-ND	Single 2-Input Positive NAND Gate	5-DSBGA	.76	.57	.43
74LVC1G00YZAR	296-14023-2-ND	Single 2-Input Positive NAND Gate	5-DSBGA		741.00/3,000	
74LVC1G00YZAR	296-14353-1-ND	Single 2-Input Positive NAND Gate	5-DSBGA	.53	.42	.32
74LVC1G00YZAR	296-14353-2-ND	Single 2-Input Positive NAND Gate	5-DSBGA		426.00/3,000	
74LVC1G02DBVR	296-18318-1-ND	Single 2-Input Positive NOR Gate	SOT-553	.42	.35	.24
74LVC1G02DBVR	296-18318-2-ND	Single 2-Input Positive NOR Gate	SOT-553		444.00/4,000	
74LVC1G02YEAR	296-14024-1-ND	Single 2-Input Positive NOR Gate	5-DSBGA	.76	.57	.43
74LVC1G02YEAR	296-14024-2-ND	Single 2-Input Positive NOR Gate	5-DSBGA		741.00/3,000	
74LVC1G02YZAR	296-13249-1-ND	Single 2-Input Positive NOR Gate	5-DSBGA	.76	.57	.43
74LVC1G02YZAR	296-13249-2-ND	Single 2-Input Positive NOR Gate	5-DSBGA		741.00/3,000	
74LVC1G04DRLR	296-18008-1-ND	Single Inverter Gate	SOP-5	.42	.35	.24
74LVC1G04DRLR	296-18008-2-ND	Single Inverter Gate	SOP-5		444.00/4,000	
74LVC1G04YEAR	296-13250-1-ND	Single Inverter Gate	5-DSBGA	.76	.57	.43
74LVC1G04YEAR	296-13250-2-ND	Single Inverter Gate	5-DSBGA		741.00/3,000	
74LVC1G04YEPR	296-14354-1-ND	Single Inverter Gate	5-DSBGA	.76	.57	.43
74LVC1G04YEPR	296-14354-2-ND	Single Inverter Gate	5-DSBGA		741.00/3,000	
74LVC1G04YZAR	296-14025-1-ND	Single Inverter Gate	5-DSBGA	.76	.57	.43
74LVC1G04YZAR	296-14025-2-ND	Single Inverter Gate	5-DSBGA		741.00/3,000	
74LVC1G04YZPR	296-14355-1-ND	Single Inverter Gate	5-DSBGA	.53	.42	.32
74LVC1G04YZPR	296-14355-2-ND	Single Inverter Gate	5-DSBGA		426.00/3,000	
74LVC1G06DBVR	296-8483-1-ND	Single Inverter Buffer/Driver with OD Output	SOT-23-5	.39	.32	.22
74LVC1G06DBVR	296-8483-2-ND	Single Inverter Buffer/Driver with OD Output	SOT-23-5		306.00/3,000	
74LVC1G06DCKR	296-8484-1-ND	Single Inverter Buffer/Driver w/OD Output	SC70-5	.46	.37	.26
74LVC1G06DCKR	296-8484-2-ND	Single Inverter Buffer/Driver w/OD Output	SC70-5		357.00/3,000	
74LVC1G06DRLR	296-18009-1-ND	Single Inverter Buffer/Driver w/OD Output	SOP-5	.42	.35	.24
74LVC1G06DRLR	296-18009-2-ND	Single Inverter Buffer/Driver w/OD Output	SOP-5		444.00/4,000	
74LVC1G06YEAR	296-14292-1-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA	.76	.57	.43
74LVC1G06YEAR	296-14292-2-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA		741.00/3,000	
74LVC1G06YEPR	296-18752-1-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA	.76	.57	.43
74LVC1G06YEPR	296-18752-2-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA		741.00/3,000	
74LVC1G06YZAR	296-14356-1-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA	.76	.57	.43
74LVC1G06YZAR	296-14356-2-ND	Single Inverter Buffer/Driver w/OD Out	5-DSBGA		741.00/3,000	
74LVC1G07DBVR	296-8485-1-ND	Single Buffer/Driver with OD Output	SOT-23-5	.46	.37	.26
74LVC1G07DBVR	296-8485-2-ND	Single Buffer/Driver with OD Output	SOT-23-5		357.00/3,000	
74LVC1G07DCKR	296-8486-1-ND	Single Buffer/Driver with OD Output	SC70-5	.46	.37	.26
74LVC1G07DCKR	296-8486-2-ND	Single Buffer/Driver with OD Output	SC70-5		357.00/3,000	
74LVC1G07DRLR	296-18010-1-ND	Single Buffer/Driver with OD Output	SOT-533	.46	.37	.26
74LVC1G07DRLR	296-18010-2-ND	Single Buffer/Driver with OD Output	SOT-533		476.00/4,000	
74LVC1G07YEAR	296-13251-1-ND	Single Buffer/Driver with OD Output	5-DSBGA	.76	.57	.43
74LVC1G07YEAR	296-13251-2-ND	Single Buffer/Driver with OD Output	5-DSBGA		741.00/3,000	
74LVC1G07YZAR	296-14026-1-ND	Single Buffer/Driver with OD Output	5-DSBGA	.76	.57	.43
74LVC1G07YZAR	296-14026-2-ND	Single Buffer/Driver with OD Output	5-DSBGA		741.00/3,000	
74LVC1G08DCKR	296-11602-1-ND	Single 2-Input Positive AND Gate	SC70-5	.39	.32	.22
74LVC1G08DCKR	296-11602-2-ND	Single 2-Input Positive AND Gate	SC70-5		306.00/3,000	
74LVC1G08DRLR	296-18011-1-ND	Single 2-Input Positive AND Gate	SOP-5	.42	.35	.24
74LVC1G08DRLR	296-18011-2-ND	Single 2-Input Positive AND Gate	SOP-5		444.00/4,000	
74LVC1G08YEAR	296-12474-1-ND	Single 2-Input Positive AND Gate	5-DSBGA	.76	.57	.43
74LVC1G08YEAR	296-12474-2-ND	Single 2-Input Positive AND Gate	5-DSBGA		741.00/3,000	
74LVC1G08YEPR	296-14357-1-ND	Single 2-Input Positive AND Gate	5-DSBGA	.76	.57	.43
74LVC1G08YEPR	296-14357-2-ND	Single 2-Input Positive AND Gate	5-DSBGA		741.00/3,000	
74LVC1G08YZAR	296-13252-1-ND	Single 2-Input Positive AND Gate	5-DSBGA	.76	.57	.43
74LVC1G08YZAR	296-13252-2-ND	Single 2-Input Positive AND Gate	5-DSBGA		741.00/3,000	
74LVC1G08YZPR	296-14358-1-ND	Single 2-Input Positive AND Gate	5-DSBGA	.53	.42	.32
74LVC1G08YZPR	296-14358-2-ND	Single 2-Input Positive AND Gate	5-DSBGA		426.00/3,000	
74LVC1G0832DBVR	296-18753-1-ND	Single 3-Input Positive AND/OR Gate	SOT-23-6	.55	.44	.33
74LVC1G0832DBVR	296-18753-2-ND	Single 3-Input Positive AND/OR Gate	SOT-23-6		447.00/3,000	
74LVC1G0832DCKR	296-18754-1-ND	Single 3-Input Positive AND/OR Gate	SC70-5	.55	.44	.33
74LVC1G0832DCKR	296-18754-2-ND	Single 3-Input Positive AND/OR Gate	SC70-5		447.00/3,000	
74LVC1G0832YZPR	296-18199-1-ND	Single 3-Input Positive AND/OR Gate	6-DSBGA	.52	.39	.30
74LVC1G0832YZPR	296-18199-2-ND	Single 3-Input Positive AND/OR Gate	6-DSBGA		507.00/3,000	
74LVC1G10DBVR	296-18755-1-ND	Single 3-Input Positive NAND Gate	SOT-23-6	.39	.32	.22
74LVC1G10DBVR	296-18755-2-ND	Single 3-Input Positive NAND Gate	SOT-23-6		306.00/3,000	
74LVC1G10DCKR	296-17844-1-ND	Single 3-Input Positive NAND Gate	SC70-6	.39	.32	.22
74LVC1G10DCKR	296-17844-2-ND	Single 3-Input Positive NAND Gate	SC70-6		306.00/3,000	
74LVC1G10YZPR	296-18756-1-ND	Single 3-Input Positive NAND Gate	6-DSBGA	.50	.38	.29
74LVC1G10YZPR	296-18756-2-ND	Single 3-Input Positive NAND Gate	6-DSBGA		489.00/3,000	
74LVC1G11DBVR	296-16810-1-ND	Single 3-Input Positive AND Gate	SOT-23-6	.39	.32	.22
74LVC1G11DBVR	296-16810-2-ND	Single 3-Input Positive AND Gate	SOT-23-6		306.00/3,000	
74LVC1G11DCKR	296-18066-1-ND	Single 3-Input Positive AND Gate	SC70-6	.39	.32	.22
74LVC1G11DCKR	296-18066-2-ND	Single 3-Input Positive AND Gate	SC70-6		306.00/3,000	
74LVC1G11YZPR	296-18757-1-ND	Single 3-Input Positive AND Gate	6-DSBGA	.50	.38	.29
74LVC1G11YZPR	296-18757-2-ND	Single 3-Input Positive AND Gate	6-DSBGA		489.00/3,000	
74LVC1G14DRLR	296-18014-1-ND	Single Schmitt-Trigger Inverter	SOP-5	.46	.37	.26
74LVC1G14DRLR	296-18014-2-ND	Single Schmitt-Trigger Inverter	SOP-5		476.00/4,000	
74LVC1G14YEAR	296-13037-1-ND	Single Schmitt-Trigger Inverter	5-DSBGA	.76	.57	.43

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC1G14YEAR	296-13037-2-ND	Single Schmitt-Trigger Inverter	5-DSBGA		741.00/3,000	
SN74LVC1G14YEPR	296-14362-1-ND	Single Schmitt-Trigger Inverter	5-DSBGA	.76	.57	.43
SN74LVC1G14YEPR	296-14362-2-ND	Single Schmitt-Trigger Inverter	5-DSBGA		741.00/3,000	
SN74LVC1G14YZAR	296-13038-1-ND	Single Schmitt-Trigger Inverter	5-DSBGA	.76	.57	.43
SN74LVC1G14YZAR	296-13038-2-ND	Single Schmitt-Trigger Inverter	5-DSBGA		741.00/3,000	
SN74LVC1G14YZPR	296-14363-1-ND	Single Schmitt-Trigger Inverter	5-DSBGA	.53	.42	.32
SN74LVC1G14YZPR	296-14363-2-ND	Single Schmitt-Trigger Inverter	5-DSBGA		426.00/3,000	
SN74LVC1G17DBVR	296-11933-1-ND	Single Schmitt-Trigger Buffer	SOT-23-5	.36	.29	.20
SN74LVC1G17DBVR	296-11933-2-ND	Single Schmitt-Trigger Buffer	SOT-23-5		282.00/3,000	
SN74LVC1G17DCKR	296-11934-1-ND	Single Schmitt-Trigger Buffer	SC70-5	.39	.32	.22
SN74LVC1G17DCKR	296-11934-2-ND	Single Schmitt-Trigger Buffer	SC70-5		306.00/3,000	
SN74LVC1G17DRLR	296-18585-1-ND	Single Schmitt-Trigger Buffer	SOT-553	.39	.32	.22
SN74LVC1G17DRLR	296-18585-2-ND	Single Schmitt-Trigger Buffer	SOT-553		408.00/4,000	
SN74LVC1G17YEAR	296-15566-1-ND	Single Schmitt-Trigger Buffer	5-DSBGA	.76	.57	.43
SN74LVC1G17YEAR	296-15566-2-ND	Single Schmitt-Trigger Buffer	5-DSBGA		741.00/3,000	
SN74LVC1G17YZAR	296-15567-1-ND	Single Schmitt-Trigger Buffer	5-DSBGA	.76	.57	.43
SN74LVC1G17YZAR	296-15567-2-ND	Single Schmitt-Trigger Buffer	5-DSBGA		741.00/3,000	
SN74LVC1G17YZPR	296-18761-1-ND	Single Schmitt-Trigger Buffer	5-DSBGA	.53	.42	.32
SN74LVC1G17YZPR	296-18761-2-ND	Single Schmitt-Trigger Buffer	5-DSBGA		426.00/3,000	
SN74LVC1G18DBVR	296-15568-1-ND	Tri-State 1-of-2 Noninverting Demux	SOT-23-6	.42	.35	.24
SN74LVC1G18DBVR	296-15568-2-ND	Tri-State 1-of-2 Noninverting Demux	SOT-23-6		333.00/3,000	
SN74LVC1G18DCKR	296-15569-1-ND	Tri-State 1-of-2 Noninverting Demux	SC70-6	.78	.59	.43
SN74LVC1G18DCKR	296-15569-2-ND	Tri-State 1-of-2 Noninverting Demux	SC70-6		459.00/3,000	
SN74LVC1G18YZAR	296-15570-1-ND	Tri-State 1-of-2 Noninverting Demux	6-DSBGA	.76	.57	.43
SN74LVC1G18YZAR	296-15570-2-ND	Tri-State 1-of-2 Noninverting Demux	6-DSBGA		741.00/3,000	
SN74LVC1G18YZAR	296-15571-1-ND	Tri-State 1-of-2 Noninverting Demux	6-DSBGA	.76	.57	.43
SN74LVC1G18YZAR	296-15571-2-ND	Tri-State 1-of-2 Noninverting Demux	6-DSBGA		741.00/3,000	
SN74LVC1G19DBVR	296-16982-1-ND	1-of-2 Decoder/Demux	SOP-6	.42	.35	.24
SN74LVC1G19DBVR	296-16982-2-ND	1-of-2 Decoder/Demux	SOP-6		333.00/3,000	
SN74LVC1G19DCKR	296-17991-1-ND	1-of-2 Decoder/Demux	SC70-6	.42	.35	.24
SN74LVC1G19DCKR	296-17991-2-ND	1-of-2 Decoder/Demux	SC70-6		333.00/3,000	
SN74LVC1G19DRLR	296-18319-1-ND	1-of-2 Decoder/Demux	SOT-553	.49	.40	.27
SN74LVC1G19DRLR	296-18319-2-ND	1-of-2 Decoder/Demux	SOT-553		512.00/4,000	
SN74LVC1G19YZAR	296-18762-1-ND	1-of-2 Decoder/Demux	6-DSBGA	.76	.57	.43
SN74LVC1G19YEPR	296-18762-2-ND	1-of-2 Decoder/Demux	6-DSBGA		741.00/3,000	
SN74LVC1G19YZPR	296-18586-1-ND	1-of-2 Decoder/Demux	6-WCSP	.48	.36	.27
SN74LVC1G19YZPR	296-18586-2-ND	1-of-2 Decoder/Demux	6-WCSP		468.00/3,000	
SN74LVC1G27DBVR	296-17119-1-ND	Single 3-Input Positive NOR Gate	SOT-23-6	.39	.32	.22
SN74LVC1G27DBVR	296-17119-2-ND	Single 3-Input Positive NOR Gate	SOT-23-6		306.00/3,000	
SN74LVC1G27DCKR	296-18764-1-ND	Single 3-Input Positive NOR Gate	SC70-6	.40	.32	.24
SN74LVC1G27DCKR	296-18764-2-ND	Single 3-Input Positive NOR Gate	SC70-6		324.00/3,000	
SN74LVC1G27YEPR	296-18765-1-ND	Single 3-Input Positive NOR Gate	6-DSBGA	.76	.57	.43
SN74LVC1G27YEPR	296-18765-2-ND	Single 3-Input Positive NOR Gate	6-DSBGA		741.00/3,000	
SN74LVC1G27YZPR	296-18766-1-ND	Single 3-Input Positive NOR Gate	6-DSBGA	.53	.42	.32
SN74LVC1G27YZPR	296-18766-2-ND	Single 3-Input Positive NOR Gate	6-DSBGA		426.00/3,000	
SN74LVC1G29DCTR	296-18767-1-ND	2-of-3 Decoder/Demux	8-SSOP	.50	.38	.29
SN74LVC1G29DCTR	296-18767-2-ND	2-of-3 Decoder/Demux	8-SSOP		489.00/3,000	
SN74LVC1G29DCUR	296-18768-1-ND	2-of-3 Decoder/Demux	8-VSSOP	.50	.38	.29
SN74LVC1G29DCUR	296-18768-2-ND	2-of-3 Decoder/Demux	8-VSSOP		489.00/3,000	
SN74LVC1G29YZPR	296-18769-1-ND	2-of-3 Decoder/Demux	8-DSBGA	.50	.38	.29
SN74LVC1G29YZPR	296-18769-2-ND	2-of-3 Decoder/Demux	8-DSBGA		489.00/3,000	
SN74LVC1G32DBVR	296-9847-1-ND	Single 2-Input Positive OR Gate	SOT-23-5	.39	.32	.22
SN74LVC1G32DBVR	296-9847-2-ND	Single 2-Input Positive OR Gate	SOT-23-5		306.00/3,000	
SN74LVC1G32DCKR	296-9848-1-ND	Single 2-Input Positive OR Gate	SC70	.39	.32	.22
SN74LVC1G32DCKR	296-9848-2-ND	Single 2-Input Positive OR Gate	SC70		306.00/3,000	
SN74LVC1G32DRLR	296-18016-1-ND	Single 2-Input Positive OR Gate	SOP-5	.48	.36	.27
SN74LVC1G32DRLR	296-18016-2-ND	Single 2-Input Positive OR Gate	SOP-5		624.00/4,000	
SN74LVC1G32YEAR	296-13039-1-ND	Single 2-Input Positive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G32YEAR	296-13039-2-ND	Single 2-Input Positive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G32YZAR	296-14028-1-ND	Single 2-Input Positive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G32YZAR	296-14028-2-ND	Single 2-Input Positive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G32YZPR	296-14365-1-ND	Single 2-Input Positive OR Gate	5-DSBGA	.53	.42	.32
SN74LVC1G32YZPR	296-14365-2-ND	Single 2-Input Positive OR Gate	5-DSBGA		426.00/3,000	
SN74LVC1G07DBVR	296-17893-1-ND	Single Buffer Gate	SOT-23-5	.39	.32	.22
SN74LVC1G34DBVR	296-17893-2-ND	Single Buffer Gate	SOT-23-5		306.00/3,000	
SN74LVC1G34DCKR	296-17230-1-ND	Single Buffer Gate	SC70-5	.39	.32	.22
SN74LVC1G34DCKR	296-17230-2-ND	Single Buffer Gate	SC70-5		306.00/3,000	
SN74LVC1G34DRLR	296-18017-1-ND	Single Buffer Gate	SOP-5	.42	.35	.24
SN74LVC1G34DRLR	296-18017-2-ND	Single Buffer Gate	SOP-5		444.00/4,000	
SN74LVC1G34YZPR	296-18773-1-ND	Single Buffer Gate	5-DSBGA	.53	.42	.32
SN74LVC1G34YZPR	296-18773-2-ND	Single Buffer Gate	5-DSBGA		426.00/3,000	
SN74LVC1G38DBVR	296-17846-1-ND	Single 2-Input NAND Gate with Open Drain Output	SOT-23-5	.39	.32	.22
SN74LVC1G38DBVR	296-17846-2-ND	Single 2-Input NAND Gate with Open Drain Output	SOT-23-5		306.00/3,000	
SN74LVC1G38DCKR	296-17907-1-ND	Single 2-Input NAND Gate with Open Drain Output	SC70-5	.39	.32	.22
SN74LVC1G38DCKR	296-17907-2-ND	Single 2-Input NAND Gate with Open Drain Output	SC70-5		306.00/3,000	
SN74LVC1G38YZPR	296-18783-1-ND	Single 2-Input NAND Gate with Open Drain Output	5-DSBGA	.53	.42	.32
SN74LVC1G38YZPR	296-18783-2-ND	Single 2-Input NAND Gate with Open Drain Output	5-DSBGA		426.00/3,000	
SN74LVC1G57DBVR	296-15574-1-ND	Configurable Multiple-Function Gate	SOT-23-6	.39	.32	.22
SN74LVC1G57DBVR	296-15574-2-ND	Configurable Multiple-Function Gate	SOT-23-6		306.00/3,000	
SN74LVC1G57DCKR	296-15575-1-ND	Configurable Multiple-Function Gate	SC70-6	.39	.32	.22
SN74LVC1G57DCKR	296-15575-2-ND	Configurable Multiple-Function Gate	SC70-6		306.00/3,000	
SN74LVC1G57DRLR	296-18653-1-ND	Configurable Multiple-Function Gate	SOT-553	.46	.37	.26
SN74LVC1G57DRLR	296-18653-2-ND	Configurable Multiple-Function Gate	SOT-553		476.00/4,000	
SN74LVC1G57YEAR	296-14293-1-ND	Configurable Multiple-Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G57YEAR	296-14293-2-ND	Configurable Multiple-Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G57YZPR	296-18784-1-ND	Configurable Multiple-Function Gate	6-DSBGA	.53	.42	.32
SN74LVC1G57YZPR	296-18784-2-ND	Configurable Multiple-Function Gate	6-DSBGA		426.00/3,000	
SN74LVC1G58DBVR	296-15576-1-ND	Configurable Multiple-Function Gate	SOT-23-6	.39	.32	.22
SN74LVC1G58DBVR	296-15576-2-ND	Configurable Multiple-Function Gate	SOT-23-6		306.00/3,000	
SN74LVC1G58DCKR	296-15577-1-ND	Configurable Multiple-Function Gate	SC70-6	.39	.32	.22
SN74LVC1G58DCKR	296-15577-2-ND	Configurable Multiple-Function Gate	SC70-6		306.00/3,000	
SN74LVC1G58DRLR	296-18654-1-ND	Configurable Multiple-Function Gate	SOT-553	.46	.37	.26
SN74LVC1G58DRLR	296-18654-2-ND	Configurable Multiple-Function Gate	SOT-553		476.00/4,000	
SN74LVC1G58YEAR	296-14294-1-ND	Configurable Multiple-Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G58YEAR	296-14294-2-ND	Configurable Multiple-Function Gate	6-DSBGA		741.00/3,000	

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC1G58YZPR	296-18785-1-ND	Configurable Multiple-Function Gate	6-DSBGA	.53	.42	.32
SN74LVC1G58YZPR	296-18785-2-ND	Configurable Multiple-Function Gate	6-DSBGA		426.00/3,000	
SN74LVC1G66DBVR	296-13253-1-ND	Single Bilateral Analog Switch	SOT-23-5	.46	.37	.26
SN74LVC1G66DBVR	296-13253-2-ND	Single Bilateral Analog Switch	SOT-23-5		357.00/3,000	
SN74LVC1G66DCKR	296-13254-1-ND	Single Bilateral Analog Switch	SC-70-5	.45	.36	.27
SN74LVC1G66DCKR	296-13254-2-ND	Single Bilateral Analog Switch	SC-70-5		366.00/3,000	
SN74LVC1G66DRLR	296-18018-1-ND	Single Bilateral Analog Switch	SOT-533	.45	.36	.27
SN74LVC1G66DRLR	296-18018-2-ND	Single Bilateral Analog Switch	SOT-533		488.00/4,000	
SN74LVC1G66YEAR	296-13255-1-ND	Single Bilateral Analog Switch	5-DSBGA	.76	.57	.43
SN74LVC1G66YEAR	296-13255-2-ND	Single Bilateral Analog Switch	5-DSBGA		741.00/3,000	
SN74LVC1G66YEPR	296-18786-1-ND	Single Bilateral Analog Switch	5-DSBGA	.76	.57	.43
SN74LVC1G66YEPR	296-18786-2-ND	Single Bilateral Analog Switch	5-DSBGA		741.00/3,000	
SN74LVC1G66YZAR	296-14029-1-ND	Single Bilateral Analog Switch	5-DSBGA	.76	.57	.43
SN74LVC1G66YZAR	296-14029-2-ND	Single Bilateral Analog Switch	5-DSBGA		741.00/3,000	
SN74LVC1G66YZPR	296-15108-1-ND	Single Bilateral Analog Switch	5-DSBGA	.48	.36	.27
SN74LVC1G66YZPR	296-15108-2-ND	Single Bilateral Analog Switch	5-DSBGA		468.00/3,000	
SN74LVC1G79DBVR	296-9849-1-ND	Positive Edge-Trig. D-Type Flip-Flop	SOT-23-5	.39	.32	.22
SN74LVC1G79DBVR	296-9849-2-ND	Positive Edge-Trig. D-Type Flip-Flop	SOT-23-5		306.00/3,000	
SN74LVC1G79DCKR	296-9850-1-ND	Positive Edge-Trig. D-Type Flip-Flop	SC70-5	.39	.32	.22
SN74LVC1G79DCKR	296-9850-2-ND	Positive Edge-Trig. D-Type Flip-Flop	SC70-5		306.00/3,000	
SN74LVC1G79DRLR	296-18019-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop	SOT-533	.46	.37	.26
SN74LVC1G79DRLR	296-18019-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop	SOT-533		476.00/4,000	
SN74LVC1G79WDCKREP	296-19506-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop	SC70-5	1.50	1.20	.90
SN74LVC1G79WDCKREP	296-19506-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop	SC70-5		2304.00/3,000	
SN74LVC1G79YEAR	296-14030-1-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G79YEAR	296-14030-2-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G79YEPR	296-18787-1-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G79YEPR	296-18787-2-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G79YZAR	296-15578-1-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G79YZAR	296-15578-2-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G79YZPR	296-18788-1-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA	.53	.42	.32
SN74LVC1G79YZPR	296-18788-2-ND	Single Positive Edge-Triggered D-Type Flip-Flop	5-DSBGA		426.00/3,000	
SN74LVC1G80DBVR	296-9851-1-ND	Positive Edge-Trig. D-Type Flip-Flop	SOT-23-5	.39	.32	.22
SN74LVC1G80DBVR	296-9851-2-ND	Positive Edge-Trig. D-Type Flip-Flop	SOT-23-5		306.00/3,000	
SN74LVC1G80DCKR	296-9852-1-ND	Positive Edge-Trig. D-Type Flip-Flop	SC70-5	.39	.32	.22
SN74LVC1G80DCKR	296-9852-2-ND	Positive Edge-Trig. D-Type Flip-Flop	SC70-5		306.00/3,000	
SN74LVC1G80YEAR	296-15579-1-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G80YEAR	296-15579-2-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G80YEPR	296-18789-1-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G80YEPR	296-18789-2-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G80YZAR	296-14031-1-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA	.76	.57	.43
SN74LVC1G80YZAR	296-14031-2-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA		741.00/3,000	
SN74LVC1G80YZPR	296-18790-1-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA	.53	.42	.32
SN74LVC1G80YZPR	296-18790-2-ND	Positive Edge-Trig. D-Type Flip-Flop	5-DSBGA		426.00/3,000	
SN74LVC1G86DBVR	296-9853-1-ND	2-Input Exclusive OR Gate	SOT-23-5	.36	.29	.20
SN74LVC1G86DBVR	296-9853-2-ND	2-Input Exclusive OR Gate	SOT-23-5		282.00/3,000	
SN74LVC1G86DCKR	296-9854-1-ND	2-Input Exclusive OR Gate	SC70	.39	.32	.22
SN74LVC1G86DCKR	296-9854-2-ND	2-Input Exclusive OR Gate	SC70		306.00/3,000	
SN74LVC1G86DRLR	296-18613-1-ND	2-Input Exclusive OR Gate	5-SOP	.46	.37	.26
SN74LVC1G86DRLR	296-18613-2-ND	2-Input Exclusive OR Gate	5-SOP		476.00/4,000	
SN74LVC1G86YEAR	296-15580-1-ND	2-Input Exclusive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G86YEAR	296-15580-2-ND	2-Input Exclusive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G86YEPR	296-18791-1-ND	2-Input Exclusive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G86YEPR	296-18791-2-ND	2-Input Exclusive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G86YZAR	296-14032-1-ND	2-Input Exclusive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G86YZAR	296-14032-2-ND	2-Input Exclusive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G86YZPR	296-18792-1-ND	2-Input Exclusive OR Gate	5-DSBGA	.53	.42	.32
SN74LVC1G86YZPR	296-18792-2-ND	2-Input Exclusive OR Gate	5-DSBGA		426.00/3,000	
SN74LVC1G97DBVR	296-15581-1-ND	Configurable Multiple Function Gate	SOT-23-6	.39	.32	.22
SN74LVC1G97DBVR	296-15581-2-ND	Configurable Multiple Function Gate	SOT-23-6		234.00/3,000	
SN74LVC1G97DCKR	296-15582-1-ND	Configurable Multiple Function Gate	SC70-6	.39	.32	.22
SN74LVC1G97DCKR	296-15582-2-ND	Configurable Multiple Function Gate	SC70-6		234.00/3,000	
SN74LVC1G97DRLR	296-18655-1-ND	Configurable Multiple Function Gate	SOT-553	.46	.37	.26
SN74LVC1G97DRLR	296-18655-2-ND	Configurable Multiple Function Gate	SOT-553		476.00/4,000	
SN74LVC1G97QDCKRQ1	296-17671-1-ND	Configurable Multiple Function Gate	SC70-6	.46	.37	.26
SN74LVC1G97QDCKRQ1	296-17671-2-ND	Configurable Multiple Function Gate	SC70-6		357.00/3,000	
SN74LVC1G97YEAR	296-14366-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G97YEAR	296-14366-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G97YEPR	296-18651-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G97YEPR	296-18651-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G97YZAR	296-14367-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G97YZAR	296-14367-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G97YZPR	296-16852-1-ND	Configurable Multiple Function Gate	6-DSBGA	.50	.38	.29
SN74LVC1G97YZPR	296-16852-2-ND	Configurable Multiple Function Gate	6-DSBGA		489.00/3,000	
SN74LVC1G98DBVR	296-15583-1-ND	Configurable Multiple Function Gate	SOT-23-6	.42	.35	.24
SN74LVC1G98DBVR	296-15583-2-ND	Configurable Multiple Function Gate	SOT-23-6		333.00/3,000	
SN74LVC1G98DCKR	296-15584-1-ND	Configurable Multiple Function Gate	SC70-6	.39	.32	.22
SN74LVC1G98DCKR	296-15584-2-ND	Configurable Multiple Function Gate	SC70-6		234.00/3,000	
SN74LVC1G98DRLR	296-18656-1-ND	Configurable Multiple Function Gate	SOT-553	.46	.37	.26
SN74LVC1G98DRLR	296-18656-2-ND	Configurable Multiple Function Gate	SOT-553		476.00/4,000	
SN74LVC1G98QDCKRQ1	296-17672-1-ND	Configurable Multiple Function Gate	SC70-6	.46	.37	.26
SN74LVC1G98QDCKRQ1	296-17672-2-ND	Configurable Multiple Function Gate	SC70-6		357.00/3,000	
SN74LVC1G98YEAR	296-14368-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G98YEAR	296-14368-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G98YEPR	296-18793-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G98YEPR	296-18793-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G98YZAR	296-14369-1-ND	Configurable Multiple Function Gate	6-DSBGA	.76	.57	.43
SN74LVC1G98YZAR	296-14369-2-ND	Configurable Multiple Function Gate	6-DSBGA		741.00/3,000	
SN74LVC1G99DCTR	296-18590-1-ND	Tri-State Ultra Configurable Multiple Function Gate	8-SSOP	.55	.44	.33
SN74LVC1G99DCTR	296-18590-2-ND	Tri-State Ultra Configurable Multiple Function Gate	8-SSOP		447.00/3,000	
SN74LVC1G99DCUR	296-18795-1-ND	Tri-State Ultra Configurable Multiple Function Gate	8-VSSOP	.55	.44	.33
SN74LVC1G99DCUR	296-18795-2-ND	Tri-State Ultra Configurable Multiple Function Gate	8-VSSOP		447.00/3,000	
SN74LVC1G99YZPR	296-17900-1-ND	Tri-State Ultra Configurable Multiple Function Gate	8-WCSP	.52	.39	.30
SN74LVC1G99YZPR	296-17900-2-ND	Tri-State Ultra Configurable Multiple Function Gate	8-WCSP		507.00/3,000	
SN74LVC1G123DCTR	296-18758-1-ND	Single Retriggerable Mono Multivibrator	8-SSOP	.50	.38	.29
SN74LVC1G123DCTR	296-18758-2-ND	Single Retriggerable Mono Multivibrator	8-SSOP		489.00/3,000	
SN74LVC1G125DRLR	296-18012-1-ND	Tri-State Single Bus Buffer Gate	SOP-5	.46	.37	.26
SN74LVC1G125DRLR	296-18012-2-ND	Tri-State Single Bus Buffer Gate	SOP-5		476.00/4,000	
SN74LVC1G125YEAR	296-14359-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.76	.57	.43
SN74LVC1G125YEAR	296-14359-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		741.00/3,000	
SN74LVC1G125YZPR	296-18759-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.53	.42	.32
SN74LVC1G125YZPR	296-18759-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		426.00/3,000	
SN74LVC1G126DRLR	296-18013-1-ND	Tri-State Single Bus Buffer Gate	SOP-5	.48	.36	.27
SN74LVC1G126DRLR	296-18013-2-ND	Tri-State Single Bus Buffer Gate	SOP-5		624.00/4,000	
SN74LVC1G126YEAR	296-15564-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.76	.57	.43
SN74LVC1G126YEAR	296-15564-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		741.00/3,000	
SN74LVC1G126YEPR	296-15565-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.76	.57	.43
SN74LVC1G126YEPR	296-15565-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		741.00/3,000	
SN74LVC1G126YZAR	296-14027-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.76	.57	.43
SN74LVC1G126YZAR	296-14027-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		741.00/3,000	
SN74LVC1G126YZPR	296-14361-1-ND	Tri-State Single Bus Buffer Gate	5-DSBGA	.53	.42	.32
SN74LVC1G126YZPR	296-14361-2-ND	Tri-State Single Bus Buffer Gate	5-DSBGA		426.00/3,000	
SN74LVC1G132DBVR	296-17888-1-ND	Single 2-Input NAND Gate	SOT-23-5	.39	.32	.22
SN74LVC1G132DBVR	296-17888-2-ND	Single 2-Input NAND Gate	SOT-23-5		306.00/3,000	
SN74LVC1G132DCKR	296-18760-1-ND	Single 2-Input NAND Gate	SC70-5	.39	.32	.22
SN74LVC1G132DCKR	296-18760-2-ND	Single 2-Input NAND Gate	SC70-5		306.00/3,000	
SN74LVC1G132YEPR	296-17473-1-ND	Single 2-Input NAND Gate	5-DSBGA	.76	.57	.43
SN74LVC1G132YEPR	296-17473-2-ND	Single 2-Input NAND Gate	5-DSBGA		741.00/3,000	
SN74LVC1G132YZPR	296-17622-1-ND	Single 2-Input NAND Gate	5-DSBGA	.53	.42	.32
SN74LVC1G132YZPR	296-17622-2-ND	Single 2-Input NAND Gate	5-DSBGA		426.00/3,000	
SN74LVC1G139DCTR	296-18235-1-ND	2-to-4 Line Decoder	8-SSOP	.68	.51	.39
SN74LVC1G139DCTR	296-18235-2-ND	2-to-4 Line Decoder	8-SSOP		663.00/3,000	
SN74LVC1G139DCUR	296-18203-1-ND	2-to-4 Line Decoder	8-VSSOP	.48	.36	.27
SN74LVC1G139DCUR	296-18203-2-ND	2-to-4 Line Decoder	8-VSSOP		468.00/3,000	
SN74LVC1G175DBVR	296-17617-1-ND	Single D-Type F/F with Async. Clear	SOT-23-6	.39	.32	.22
SN74LVC1G175DBVR	296-17617-2-ND	Single D-Type F/F with Async. Clear	SOT-23-6		306.00/3,000	
SN74LVC1G175DCKR	296-16998-1-ND	Single D-Type F/F with Async. Clear	SC70-6	.39	.32	.22
SN74LVC1G175DCKR	296-16998-2-ND	Single D-Type F/F with Async. Clear	SC70-6		306.00/3,000	
SN74LVC1G175YZPR	296-17373-1-ND	Single D-Type F/F with Async. Clear	6-DSBGA	.53	.42	.32
SN74LVC1G175YZPR	296-17373-2-ND	Single D-Type F/F with Async. Clear	6-DSBGA		426.00/3,000	
SN74LVC1G240YEAR	296-14363-1-ND	Tri-State Single Buffer/Driver	5-DSBGA	.76	.57	.43
SN74LVC1G240YEAR	296-14364-2-ND	Tri-State Single Buffer/Driver	5-DSBGA		741.00/3,000	
SN74LVC1G240YEPR	296-15850-1-ND	Tri-State Single Buffer/Driver	5-DSBGA	.76	.57	.43
SN74LVC1G240YEPR	296-15850-2-ND	Tri-State Single Buffer/Driver	5-DSBGA		741.00/3,000	
SN74LVC1G240YZPR	296-15874-1-ND	Tri-State Single Buffer/Driver	5-DSBGA	.53	.42	.32
SN74LVC1G240YZPR	296-15874-2-ND	Tri-State Single Buffer/Driver	5-DSBGA		426.00/3,000	
SN74LVC1G332DBVR	296-18587-1-ND	3-Input Positive OR Gate	SOT-23-6	.39	.32	.22
SN74LVC1G332DBVR	296-18587-2-ND	3-Input Positive OR Gate	SOT-23-6		306.00/3,000	
SN74LVC1G332DCKR	296-15943-1-ND	3-Input Positive OR Gate	SC70-6	.39	.32	.22
SN74LVC1G332DCKR	296-15943-2-ND	3-Input Positive OR Gate	SC70-6		306.00/3,000	
SN74LVC1G332DRLR	296-18650-1-ND	3-Input Positive OR Gate	SOT-553	.46	.37	.26
SN74LVC1G332DRLR	296-18652-2-ND	3-Input Positive OR Gate	SOT-553		476.00/4,000	
SN74LVC1G332YEPR	296-15875-1-ND	3-Input Positive OR Gate	5-DSBGA	.76	.57	.43
SN74LVC1G332YEPR	296-15875-2-ND	3-Input Positive OR Gate	5-DSBGA		741.00/3,000	
SN74LVC1G332YZPR	296-15853-1-ND	3-Input Positive OR Gate	5-DSBGA	.58	.46	.35
SN74LVC1G332YZPR	296-15853-2-ND	3-Input Positive OR Gate	5-DSBGA		465.00/3,000	
SN74LVC1G373DBVR	296-18588-1-ND	Tri-State Single D-Type Latch	SOT-23-6	.38	.31	.21
SN74LVC1G373DBVR	296-18588-2-ND	Tri-State Single D-Type Latch	SOT-23-6		297.00/3,000	
SN74LVC1G373DCKR	296-18775-1-ND	Tri-State Single D-Type Latch	SC70-6	.38	.31	.21
SN74LVC1G373DCKR	296-18775-2-ND	Tri-State Single D-Type Latch	SC70-6		297.00/3,000	
SN74LVC1G373YEPR	296-17100-1-ND	Tri-State Single D-Type Latch	6-DSBGA	.50	.38	.29
SN74LVC1G373YZPR	296-17100-2-ND	Tri-State Single D-Type Latch	6-DSBGA		489.00/3,000	
SN74LVC1G374DBVR	296-18776-1-ND	Tri-State Single D-Type Flip-Flop	SOT-23-6	.38	.31	.21
SN74LVC1G374DBVR	296-18776-2-ND	Tri-State Single D-Type Flip-Flop	SOT-23-6		297.00/3,000	
SN74LVC1G374DCKR	296-18777-1-ND	Tri-State Single D-Type Flip-Flop	SC70-6	.38	.31	.21
SN74LVC1G374DCKR	296-18777-2-ND	Tri-State Single D-Type Flip-Flop	SC70-6		297.00/3,000	
SN74LVC1G374YZPR	296-18778-1-ND	Tri-State Single D-Type Flip-Flop	6-DSBGA	.50	.38	.29
SN74LVC1G374YZPR	296-18778-2-ND	Tri-State Single D-Type Flip-Flop	6-DSBGA		489.00/3,000	
SN74LVC1G386DBVR	296-18779-1-ND	Single 3-Input Positive XOR Gate	SOT-23-6	.39	.32	.22
SN74LVC1G386DBVR	296-18779-2-ND	Single 3-Input Positive XOR Gate	SOT-23-6		306.00/3,000	
SN74LVC1G386DCKR	296-18780-1-ND	Single 3-Input Positive XOR Gate	SC70-6	.39	.32	.22
SN74LVC1G386DCKR	296-18780-2-ND	Single 3-Input Positive XOR Gate	SC70-6		306.00/3,000	
SN74LVC1G386YEPR	296-18781-1-ND	Single 3-Input Positive XOR Gate	6-DSBGA	.76	.57	.43
SN74LVC1G386YEPR	296-18781-2-ND	Single 3-Input Positive XOR Gate	6-DSBGA		741.00/3,000	
SN74LVC1G386YZPR	296-18782-1-ND	Single 3-Input Positive XOR Gate	6-DSBGA	.50	.38	.29
SN74LVC1G386YZPR	296-18782-2-ND	Single 3-Input Positive XOR Gate	6-DSBGA		489.00/3,000	
SN74LVC1G3157DBVR	296-14908-1-ND	SPDT Analog Switch	SOT-23-6	.50	.40	.30
SN74LVC1G3157DBVR	296-14908-2-ND	SPDT Analog Switch	SOT-23-6		405.00/3,000	
SN74LVC1G3157DCKR	296-14909-1-ND	SPDT Analog Switch	SC70-6	.50	.40	.30
SN74LVC1G3157DCKR	296-14909-2-ND	SPDT Analog Switch	SC70-6		405.00/3,000	
SN74LVC1G3157DRLR	296-18015-1-ND	SPDT Analog Switch	SOT-533	.48	.36	.27
SN74LVC1G3157DRLR	296-18015-2-ND	SPDT Analog Switch	SOT-533		624.00/4,000	
SN74LVC1G3157YEPR	296-17186-1-ND	SPDT Analog Switch	6-DSBGA	.76	.57	.43
SN74LVC1G3157YEPR	296-17186-2-ND	SPDT Analog Switch	6-DSBGA		741.00/3,000	
SN74LVC1G3157YZPR	296-18770-1-ND	SPDT Analog Switch	6-DSBGA	.48	.36	.27
SN74LVC1G3157YZPR	296-18770-2-ND	SPDT Analog Switch	6-DSBGA		468.00/3,000	
SN74LVC1G3208DBVR	296-18771-1-ND	Single 3-Input Positive OR-AND Gate	SOT-23-6	.40	.32	.24
SN74LVC1G3208DBVR	296-18771-2-ND	Single 3-Input Positive OR-AND Gate	SOT-23-6		324.00/3,000	
SN74LVC1G3208DCKR	296-17845-1-ND	Single 3-Input Positive OR-AND Gate	SC70-6	.40	.32	.24
SN74LVC1G3208DCKR	296-17845-2-ND	Single 3-Input Positive OR-AND Gate	SC70-6		324.00/3,000	
SN74LVC1GU04DBVR	296-8487-1-ND	Single Inverter Gate	SOT-23-5	.39	.32	.22
SN74LVC1GU04DBVR	296-8487-2-ND	Single Inverter Gate	SOT-23-5		306.00/3,000	
SN74LVC1GU04DCKR	296-8488-1-ND	Single Inverter Gate	SC70-5	.40	.32	.24
SN74LVC1GU04DCKR	296-8488-2-ND	Single Inverter Gate	SC70-5		324.00/3,000	
SN74LVC1GU04DRLR	296-18657-1-ND	Single Inverter Gate	SOT-553	.40	.32	.24
SN74LVC1GU04DRLR	296-18657-2-ND	Single Inverter Gate	SOT-553		432.00/4,000	
SN74LVC1GU04YEAR	296-13730-1-ND	Single Inverter Gate	5-DSBGA	.76	.57	.43

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74LVC1GU04YEAR	296-13730-2-ND	Single Inverter Gate	5-DSBGA		741.00/3,000	
74LVC1GU04YZAR	296-14033-1-ND	Single Inverter Gate	5-DSBGA	.76	.57	.43
74LVC1GU04YZAR	296-14033-2-ND	Single Inverter Gate	5-DSBGA		741.00/3,000	
74LVC1GU04YZPR	296-14370-1-ND	Single Inverter Gate	5-DSBGA	.53	.42	.32
74LVC1GU04YZPR	296-14370-2-ND	Single Inverter Gate	5-DSBGA		426.00/3,000	
74LVC1GX04DBVR	296-17821-1-ND	Crystal Oscillator Driver	SOT-23-6	.88	.66	.50
74LVC1GX04DBVR	296-17821-2-ND	Crystal Oscillator Driver	SOT-23-6		858.00/3,000	
74LVC1GX04DCKR	296-18796-1-ND	Crystal Oscillator Driver	SC70-6	.88	.66	.50
74LVC1GX04DCKR	296-18796-2-ND	Crystal Oscillator Driver	SC70-6		858.00/3,000	
74LVC1GX04DRLR	296-18614-1-ND	Crystal Oscillator Driver	6-SOP	.88	.66	.50
74LVC1GX04DRLR	296-18614-2-ND	Crystal Oscillator Driver	6-SOP		1144.00/4,000	
74LVC1T45DBVR	296-16843-1-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	SOT-23-6	.52	.39	.30
74LVC1T45DBVR	296-16843-2-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	SOT-23-6		507.00/3,000	
74LVC1T45DCKR	296-16844-1-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	SC70-6	.52	.39	.30
74LVC1T45DCKR	296-16844-2-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	SC70-6		507.00/3,000	
74LVC1T45YEPR	296-17207-1-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	6-DSBGA	.84	.63	.48
74LVC1T45YEPR	296-17207-2-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	6-DSBGA		819.00/3,000	
74LVC1T45YZPR	296-17018-1-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	6-DSBGA	.56	.42	.32
74LVC1T45YZPR	296-17018-2-ND	Tri-State Single-Bit Dual Supply Bus Transceiver	6-DSBGA		546.00/3,000	
74LVC2G00DCTR	296-13257-1-ND	Dual 2-Input Positive NAND Gate	8-SSOP	.54	.41	.31
74LVC2G00DCTR	296-13257-2-ND	Dual 2-Input Positive NAND Gate	8-SSOP		528.00/3,000	
74LVC2G00DCUR	296-13258-1-ND	Dual 2-Input Positive NAND Gate	8-VSSOP	.48	.36	.27
74LVC2G00DCUR	296-13258-2-ND	Dual 2-Input Positive NAND Gate	8-VSSOP		468.00/3,000	
74LVC2G00WDCTREP	296-19507-1-ND	Dual 2-Input Positive NAND Gate	8-SM	1.62	1.30	.98
74LVC2G00WDCTREP	296-19507-2-ND	Dual 2-Input Positive NAND Gate	8-SM		2496.00/3,000	
74LVC2G00YEAR	296-15585-1-ND	Dual 2-Input Positive NAND Gate	8-DSBGA	.92	.69	.52
74LVC2G00YEAR	296-15585-2-ND	Dual 2-Input Positive NAND Gate	8-DSBGA		897.00/3,000	
74LVC2G00YZAR	296-14034-1-ND	Dual 2-Input Positive NAND Gate	8-DSBGA	.92	.69	.52
74LVC2G00YZAR	296-14034-2-ND	Dual 2-Input Positive NAND Gate	8-DSBGA		897.00/3,000	
74LVC2G00YZPR	296-18797-1-ND	Dual 2-Input Positive NAND Gate	8-DSBGA	.58	.44	.33
74LVC2G00YZPR	296-18797-2-ND	Dual 2-Input Positive NAND Gate	8-DSBGA		567.00/3,000	
74LVC2G02DCTR	296-13259-1-ND	Dual 2-Input Positive NOR Gate	8-SSOP	.52	.39	.30
74LVC2G02DCTR	296-13259-2-ND	Dual 2-Input Positive NOR Gate	8-SSOP		507.00/3,000	
74LVC2G02DCUR	296-13260-1-ND	Dual 2-Input Positive NOR Gate	8-VSSOP	.48	.36	.27
74LVC2G02DCUR	296-13260-2-ND	Dual 2-Input Positive NOR Gate	8-VSSOP		468.00/3,000	
74LVC2G02YEAR	296-13731-1-ND	Dual 2-Input Positive NOR Gate	8-DSBGA	.92	.69	.52
74LVC2G02YEAR	296-13731-2-ND	Dual 2-Input Positive NOR Gate	8-DSBGA		897.00/3,000	
74LVC2G02YEPR	296-18798-1-ND	Dual 2-Input Positive NOR Gate	8-DSBGA	.92	.69	.52
74LVC2G02YEPR	296-18798-2-ND	Dual 2-Input Positive NOR Gate	8-DSBGA		897.00/3,000	
74LVC2G02YZAR	296-14035-1-ND	Dual 2-Input Positive NOR Gate	8-DSBGA	.92	.69	.52
74LVC2G02YZAR	296-14035-2-ND	Dual 2-Input Positive NOR Gate	8-DSBGA		897.00/3,000	
74LVC2G02YZPR	296-18799-1-ND	Dual 2-Input Positive NOR Gate	8-DSBGA	.58	.44	.33
74LVC2G02YZPR	296-18799-2-ND	Dual 2-Input Positive NOR Gate	8-DSBGA		567.00/3,000	
74LVC2G04DBVR	296-13261-1-ND	Dual Inverter Gate	SOT-23-6	.40	.32	.24
74LVC2G04DBVR	296-13261-2-ND	Dual Inverter Gate	SOT-23-6		324.00/3,000	
74LVC2G04DCKR	296-13262-1-ND	Dual Inverter Gate	SC-70-6	.40	.32	.24
74LVC2G04DCKR	296-13262-2-ND	Dual Inverter Gate	SC-70-6		324.00/3,000	
74LVC2G04YEAR	296-13732-1-ND	Dual Inverter Gate	6-DSBGA	.92	.69	.52
74LVC2G04YEAR	296-13732-2-ND	Dual Inverter Gate	6-DSBGA		897.00/3,000	
74LVC2G04YEPR	296-18800-1-ND	Dual Inverter Gate	6-DSBGA	.92	.69	.52
74LVC2G04YEPR	296-18800-2-ND	Dual Inverter Gate	6-DSBGA		897.00/3,000	
74LVC2G04YZAR	296-13733-1-ND	Dual Inverter Gate	6-DSBGA	.92	.69	.52
74LVC2G04YZAR	296-13733-2-ND	Dual Inverter Gate	6-DSBGA		897.00/3,000	
74LVC2G06DBVR	296-13492-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SOT-23-6	.40	.32	.24
74LVC2G06DBVR	296-13492-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SOT-23-6		324.00/3,000	
74LVC2G06DCKR	296-13493-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SC-70-6	.40	.32	.24
74LVC2G06DCKR	296-13493-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SC-70-6		324.00/3,000	
74LVC2G06MDCKREP	296-19879-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output **NEW!**	SC70-6	.80	.60	.45
74LVC2G06MDCKREP	296-19879-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output **NEW!**	SC70-6		780.00/3,000	
74LVC2G06QDCKRQ1	296-18615-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SC70-6	.47	.38	.29
74LVC2G06QDCKRQ1	296-18615-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	SC70-6		381.00/3,000	
74LVC2G06YEAR	296-13734-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA	.92	.69	.52
74LVC2G06YEAR	296-13734-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA		897.00/3,000	
74LVC2G06YEPR	296-18801-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA	.92	.69	.52
74LVC2G06YEPR	296-18801-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA		897.00/3,000	
74LVC2G06YZAR	296-13735-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA	.92	.69	.52
74LVC2G06YZAR	296-13735-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA		897.00/3,000	
74LVC2G06YZPR	296-17987-1-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA	.58	.44	.33
74LVC2G06YZPR	296-17987-2-ND	Dual Inverter Buffer/Driver with Open-Drain Output	6-DSBGA		567.00/3,000	
74LVC2G07DBVR	296-13494-1-ND	Dual Buffer/Driver with OD Output	SOT-23-6	.40	.32	.24
74LVC2G07DBVR	296-13494-2-ND	Dual Buffer/Driver with OD Output	SOT-23-6		324.00/3,000	
74LVC2G07DCKR	296-13495-1-ND	Dual Buffer/Driver with OD Output	SC-70-6	.40	.32	.24
74LVC2G07DCKR	296-13495-2-ND	Dual Buffer/Driver with OD Output	SC-70-6		324.00/3,000	
74LVC2G07YEAR	296-13736-1-ND	Dual Buffer/Driver with OD Output	6-DSBGA	.92	.69	.52
74LVC2G07YEAR	296-13736-2-ND	Dual Buffer/Driver with OD Output	6-DSBGA		897.00/3,000	
74LVC2G07YZAR	296-13737-1-ND	Dual Buffer/Driver with OD Output	6-DSBGA	.92	.69	.52
74LVC2G07YZAR	296-13737-2-ND	Dual Buffer/Driver with OD Output	6-DSBGA		897.00/3,000	
74LVC2G08DCTR	296-13263-1-ND	Dual 2-Input Positive AND Gate	8-SSOP	.48	.36	.27
74LVC2G08DCTR	296-13263-2-ND	Dual 2-Input Positive AND Gate	8-SSOP		468.00/3,000	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC2G08DCUR	296-13264-1-ND	Dual 2-Input Positive AND Gate	8-VSSOP	.48	.36	.27
SN74LVC2G08DCUR	296-13264-2-ND	Dual 2-Input Positive AND Gate	8-VSSOP		468.00/3,000	
SN74LVC2G08YEPR	296-16734-1-ND	Dual 2-Input Positive AND Gate	8-DSBGA	.92	.69	.52
SN74LVC2G08YEPR	296-16734-2-ND	Dual 2-Input Positive AND Gate	8-DSBGA		897.00/3,000	
SN74LVC2G08YZAR	296-14036-1-ND	Dual 2-Input Positive AND Gate	8-DSBGA	.92	.69	.52
SN74LVC2G08YZAR	296-14036-2-ND	Dual 2-Input Positive AND Gate	8-DSBGA		897.00/3,000	
SN74LVC2G08YZPR	296-14371-1-ND	Dual 2-Input Positive AND Gate	8-DSBGA	.58	.44	.33
SN74LVC2G08YZPR	296-14371-2-ND	Dual 2-Input Positive AND Gate	8-DSBGA		567.00/3,000	
SN74LVC2G14DBVR	296-13010-1-ND	Dual Schmitt-Trigger Inverter	SOT-23-6	.40	.32	.24
SN74LVC2G14DBVR	296-13010-2-ND	Dual Schmitt-Trigger Inverter	SOT-23-6		324.00/3,000	
SN74LVC2G14DCKR	296-13011-1-ND	Dual Schmitt-Trigger Inverter	SC70-6	.40	.32	.24
SN74LVC2G14DCKR	296-13011-2-ND	Dual Schmitt-Trigger Inverter	SC70-6		324.00/3,000	
SN74LVC2G14YEAR	296-13970-1-ND	Dual Schmitt-Trigger Inverter	6-DSBGA	.92	.69	.52
SN74LVC2G14YEAR	296-13970-2-ND	Dual Schmitt-Trigger Inverter	6-DSBGA		897.00/3,000	
SN74LVC2G14YZPR	296-18803-1-ND	Dual Schmitt-Trigger Inverter	6-DSBGA	.58	.44	.33
SN74LVC2G14YZPR	296-18803-2-ND	Dual Schmitt-Trigger Inverter	6-DSBGA		567.00/3,000	
SN74LVC2G17DBVR	296-13012-1-ND	Dual Schmitt-Trigger Buffer	SOT-23-6	.40	.32	.24
SN74LVC2G17DBVR	296-13012-2-ND	Dual Schmitt-Trigger Buffer	SOT-23-6		324.00/3,000	
SN74LVC2G17DCKR	296-13013-1-ND	Dual Schmitt-Trigger Buffer	SC70-6	.40	.32	.24
SN74LVC2G17DCKR	296-13013-2-ND	Dual Schmitt-Trigger Buffer	SC70-6		324.00/3,000	
SN74LVC2G17QDCKRQ1	296-18297-1-ND	Dual Schmitt-Trigger Buffer	SC70	.47	.38	.29
SN74LVC2G17QDCKRQ1	296-18297-2-ND	Dual Schmitt-Trigger Buffer	SC70		381.00/3,000	
SN74LVC2G17YEAR	296-14039-1-ND	Dual Schmitt-Trigger Buffer	6-DSBGA	.92	.69	.52
SN74LVC2G17YEAR	296-14039-2-ND	Dual Schmitt-Trigger Buffer	6-DSBGA		897.00/3,000	
SN74LVC2G17YEPR	296-18805-1-ND	Dual Schmitt-Trigger Buffer	6-DSBGA	.92	.69	.52
SN74LVC2G17YEPR	296-18805-2-ND	Dual Schmitt-Trigger Buffer	6-DSBGA		897.00/3,000	
SN74LVC2G32DCTR	296-13267-1-ND	Dual 2-Input Positive OR Gate	8-SSOP	.48	.36	.27
SN74LVC2G32DCTR	296-13267-2-ND	Dual 2-Input Positive OR Gate	8-SSOP		468.00/3,000	
SN74LVC2G32DCUR	296-13268-1-ND	Dual 2-Input Positive OR Gate	8-VSSOP	.48	.36	.27
SN74LVC2G32DCUR	296-13268-2-ND	Dual 2-Input Positive OR Gate	8-VSSOP		468.00/3,000	
SN74LVC2G32YEAR	296-15593-1-ND	Dual 2-Input Positive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G32YEAR	296-15593-2-ND	Dual 2-Input Positive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G32YEPR	296-15349-1-ND	Dual 2-Input Positive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G32YEPR	296-15349-2-ND	Dual 2-Input Positive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G32YZAR	296-14040-1-ND	Dual 2-Input Positive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G32YZAR	296-14040-2-ND	Dual 2-Input Positive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G32YZPR	296-15350-1-ND	Dual 2-Input Positive OR Gate	8-DSBGA	.58	.44	.33
SN74LVC2G32YZPR	296-15350-2-ND	Dual 2-Input Positive OR Gate	8-DSBGA		567.00/3,000	
SN74LVC2G34DBVR	296-13496-1-ND	Dual Buffer Gate	SOT-23-6	.48	.36	.27
SN74LVC2G34DBVR	296-13496-2-ND	Dual Buffer Gate	SOT-23-6		468.00/3,000	
SN74LVC2G34DCKR	296-13497-1-ND	Dual Buffer Gate	SC70-6	.48	.36	.27
SN74LVC2G34DCKR	296-13497-2-ND	Dual Buffer Gate	SC70-6		468.00/3,000	
SN74LVC2G34DRLR	296-18020-1-ND	Dual Buffer Gate	SOP-5	.48	.36	.27
SN74LVC2G34DRLR	296-18020-2-ND	Dual Buffer Gate	SOP-5		624.00/4,000	
SN74LVC2G34YEAR	296-13740-1-ND	Dual Buffer Gate	6-DSBGA	.92	.69	.52
SN74LVC2G34YEAR	296-13740-2-ND	Dual Buffer Gate	6-DSBGA		897.00/3,000	
SN74LVC2G34YEPR	296-17087-1-ND	Dual Buffer Gate	6-DSBGA	.92	.69	.52
SN74LVC2G34YEPR	296-17087-2-ND	Dual Buffer Gate	6-DSBGA		897.00/3,000	
SN74LVC2G34YZAR	296-13741-1-ND	Dual Buffer Gate	6-DSBGA	.92	.69	.52
SN74LVC2G34YZAR	296-13741-2-ND	Dual Buffer Gate	6-DSBGA		897.00/3,000	
SN74LVC2G38DCTR	296-17010-1-ND	Dual 2-Input NAND Gate	8-SSOP	.48	.36	.27
SN74LVC2G38DCTR	296-17010-2-ND	Dual 2-Input NAND Gate	8-SSOP		468.00/3,000	
SN74LVC2G38DCUR	296-18808-1-ND	Dual 2-Input NAND Gate	8-VSSOP	.48	.36	.27
SN74LVC2G38DCUR	296-18808-2-ND	Dual 2-Input NAND Gate	8-VSSOP		468.00/3,000	
SN74LVC2G38YZPR	296-18809-1-ND	Dual 2-Input NAND Gate	8-DSBGA	.58	.44	.33
SN74LVC2G38YZPR	296-18809-2-ND	Dual 2-Input NAND Gate	8-DSBGA		567.00/3,000	
SN74LVC2G53DCTR	296-13269-1-ND	Dual Analog Mux/Demux	8-SSOP	.52	.39	.30
SN74LVC2G53DCTR	296-13269-2-ND	Dual Analog Mux/Demux	8-SSOP		507.00/3,000	
SN74LVC2G53DCUR	296-13270-1-ND	Dual Analog Mux/Demux	8-VSSOP	.48	.36	.27
SN74LVC2G53DCUR	296-13270-2-ND	Dual Analog Mux/Demux	8-VSSOP		468.00/3,000	
SN74LVC2G53YEAR	296-13702-1-ND	Dual Analog Mux/Demux	8-DSBGA	.92	.69	.52
SN74LVC2G53YEAR	296-13702-2-ND	Dual Analog Mux/Demux	8-DSBGA		897.00/3,000	
SN74LVC2G53YZAR	296-12664-1-ND	Dual Analog Mux/Demux	8-DSBGA	.92	.69	.52
SN74LVC2G53YZAR	296-12664-2-ND	Dual Analog Mux/Demux	8-DSBGA		897.00/3,000	
SN74LVC2G53YZPR	296-14372-1-ND	Dual Analog Mux/Demux	8-DSBGA	.58	.44	.33
SN74LVC2G53YZPR	296-14372-2-ND	Dual Analog Mux/Demux	8-DSBGA		567.00/3,000	
SN74LVC2G66DCTR	296-13271-1-ND	Dual Bilateral Analog Switch	8-SSOP	.48	.36	.27
SN74LVC2G66DCTR	296-13271-2-ND	Dual Bilateral Analog Switch	8-SSOP		468.00/3,000	
SN74LVC2G66DCUR	296-13272-1-ND	Dual Bilateral Analog Switch	8-VSSOP	.48	.36	.27
SN74LVC2G66DCUR	296-13272-2-ND	Dual Bilateral Analog Switch	8-VSSOP		468.00/3,000	
SN74LVC2G66YEAR	296-15594-1-ND	Dual Bilateral Analog Switch	8-DSBGA	.92	.69	.52
SN74LVC2G66YEAR	296-15594-2-ND	Dual Bilateral Analog Switch	8-DSBGA		897.00/3,000	
SN74LVC2G66YZAR	296-14041-1-ND	Dual Bilateral Analog Switch	8-DSBGA	.92	.69	.52
SN74LVC2G66YZAR	296-14041-2-ND	Dual Bilateral Analog Switch	8-DSBGA		897.00/3,000	
SN74LVC2G66YZPR	296-14373-1-ND	Dual Bilateral Analog Switch	8-DSBGA	.58	.44	.33
SN74LVC2G66YZPR	296-14373-2-ND	Dual Bilateral Analog Switch	8-DSBGA		567.00/3,000	
SN74LVC2G74DCTR	296-13273-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-SSOP	.48	.36	.27
SN74LVC2G74DCTR	296-13273-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-SSOP		468.00/3,000	
SN74LVC2G74DCUR	296-12755-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-VSSOP	.48	.36	.27
SN74LVC2G74DCUR	296-12755-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-VSSOP		468.00/3,000	
SN74LVC2G74YEAR	296-15595-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA	.92	.69	.52
SN74LVC2G74YEAR	296-15595-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA		897.00/3,000	
SN74LVC2G74YEPR	296-14374-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA	.92	.69	.52
SN74LVC2G74YEPR	296-14374-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA		897.00/3,000	
SN74LVC2G74YZAR	296-14042-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA	.92	.69	.52
SN74LVC2G74YZAR	296-14042-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA		897.00/3,000	
SN74LVC2G74YZPR	296-14375-1-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA	.58	.44	.33
SN74LVC2G74YZPR	296-14375-2-ND	Single Positive-Edge-Triggered D-Type Flip-Flop w/Clear and Preset	8-DSBGA		567.00/3,000	
SN74LVC2G79DCTR	296-17849-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-SSOP	.48	.36	.27
SN74LVC2G79DCTR	296-17849-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-SSOP		468.00/3,000	

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC2G79DCUR	296-17254-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-VSSOP	.48	.36	.27
SN74LVC2G79DCUR	296-17254-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-VSSOP		468.00/3,000	
SN74LVC2G79YEPR	296-15982-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA	.92	.69	.52
SN74LVC2G79YEPR	296-15982-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA		897.00/3,000	
SN74LVC2G79YZPR	296-15983-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA	.58	.44	.33
SN74LVC2G79YZPR	296-15983-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA		567.00/3,000	
SN74LVC2G80DCTR	296-18810-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-SSOP	.48	.36	.27
SN74LVC2G80DCTR	296-18810-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-SSOP		468.00/3,000	
SN74LVC2G80DCUR	296-17083-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-VSSOP	.48	.36	.27
SN74LVC2G80DCUR	296-17083-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-VSSOP		468.00/3,000	
SN74LVC2G80YEPR	296-15984-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA	.92	.69	.52
SN74LVC2G80YEPR	296-15984-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA		897.00/3,000	
SN74LVC2G80YZPR	296-15985-1-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA	.58	.44	.33
SN74LVC2G80YZPR	296-15985-2-ND	Dual Positive-Edge-Triggered D-Type Flip-Flop	8-DSBGA		567.00/3,000	
SN74LVC2G86DCTR	296-13274-1-ND	Dual 2-Input Exclusive OR Gate	8-SSOP	.48	.36	.27
SN74LVC2G86DCTR	296-13274-2-ND	Dual 2-Input Exclusive OR Gate	8-SSOP		468.00/3,000	
SN74LVC2G86DCUR	296-13275-1-ND	Dual 2-Input Exclusive OR Gate	8-VSSOP	.48	.36	.27
SN74LVC2G86DCUR	296-13275-2-ND	Dual 2-Input Exclusive OR Gate	8-VSSOP		468.00/3,000	
SN74LVC2G86YEAR	296-13972-1-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G86YEAR	296-13972-2-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G86YEPR	296-18811-1-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G86YEPR	296-18811-2-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G86YZAR	296-15709-1-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA	.92	.69	.52
SN74LVC2G86YZAR	296-15709-2-ND	Dual 2-Input Exclusive OR Gate	8-DSBGA		897.00/3,000	
SN74LVC2G125DCTR	296-12164-1-ND	Tri-State Dual Bus Buffer Gate	8-SSOP	.48	.36	.27
SN74LVC2G125DCTR	296-12164-2-ND	Tri-State Dual Bus Buffer Gate	8-SSOP		468.00/3,000	
SN74LVC2G125DCUR	296-13265-1-ND	Tri-State Dual Bus Buffer Gate	8-VSSOP	.48	.36	.27
SN74LVC2G125DCUR	296-13265-2-ND	Tri-State Dual Bus Buffer Gate	8-VSSOP		468.00/3,000	
SN74LVC2G125YEAR	296-13738-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.92	.69	.52
SN74LVC2G125YEAR	296-13738-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		897.00/3,000	
SN74LVC2G125YZAR	296-14037-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.92	.69	.52
SN74LVC2G125YZAR	296-14037-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		897.00/3,000	
SN74LVC2G125YZPR	296-15109-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.58	.44	.33
SN74LVC2G125YZPR	296-15109-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		567.00/3,000	
SN74LVC2G126DCTR	296-12554-1-ND	Tri-State Dual Bus Buffer Gate	8-SSOP	.48	.36	.27
SN74LVC2G126DCTR	296-12554-2-ND	Tri-State Dual Bus Buffer Gate	8-SSOP		468.00/3,000	
SN74LVC2G126DCUR	296-12555-1-ND	Tri-State Dual Bus Buffer Gate	8-VSSOP	.48	.36	.27
SN74LVC2G126DCUR	296-12555-2-ND	Tri-State Dual Bus Buffer Gate	8-VSSOP		468.00/3,000	
SN74LVC2G126YEAR	296-15586-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.92	.69	.52
SN74LVC2G126YEAR	296-15586-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		897.00/3,000	
SN74LVC2G126YZAR	296-14038-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.92	.69	.52
SN74LVC2G126YZAR	296-14038-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		897.00/3,000	
SN74LVC2G126YZPR	296-15587-1-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA	.58	.44	.33
SN74LVC2G126YZPR	296-15587-2-ND	Tri-State Dual Bus Buffer Gate	8-DSBGA		567.00/3,000	
SN74LVC2G132DCTR	296-17056-1-ND	Dual 2-Input NAND Gate	8-SSOP	.48	.36	.27
SN74LVC2G132DCTR	296-17056-2-ND	Dual 2-Input NAND Gate	8-SSOP		468.00/3,000	
SN74LVC2G132DCUR	296-18801-1-ND	Dual 2-Input NAND Gate	8-VSSOP	.48	.36	.27
SN74LVC2G132DCUR	296-18802-2-ND	Dual 2-Input NAND Gate	8-VSSOP		468.00/3,000	
SN74LVC2G132YEPR	296-17729-1-ND	Dual 2-Input NAND Gate	8-DSBGA	.92	.69	.52
SN74LVC2G132YEPR	296-17729-2-ND	Dual 2-Input NAND Gate	8-DSBGA		897.00/3,000	
SN74LVC2G132YZPR	296-17504-1-ND	Dual 2-Input NAND Gate	8-DSBGA	.64	.48	.36
SN74LVC2G132YZPR	296-17504-2-ND	Dual 2-Input NAND Gate	8-DSBGA		624.00/3,000	
SN74LVC2G157DCTR	296-13266-1-ND	Single 2-1 Line Data Selector/Mux	8-SSOP	.48	.36	.27
SN74LVC2G157DCTR	296-13266-2-ND	Single 2-1 Line Data Selector/Mux	8-SSOP		468.00/3,000	
SN74LVC2G157DCUR	296-12605-1-ND	Single 2-1 Line Data Selector/Mux	8-VSSOP	.48	.36	.27
SN74LVC2G157DCUR	296-12605-2-ND	Single 2-1 Line Data Selector/Mux	8-VSSOP		468.00/3,000	
SN74LVC2G157YEAR	296-13971-1-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA	.92	.69	.52
SN74LVC2G157YEAR	296-13971-2-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA		897.00/3,000	
SN74LVC2G157YEPR	296-17997-1-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA	.92	.69	.52
SN74LVC2G157YEPR	296-17997-2-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA		897.00/3,000	
SN74LVC2G157YZAR	296-15708-1-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA	.92	.69	.52
SN74LVC2G157YZAR	296-15708-2-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA		897.00/3,000	
SN74LVC2G157YZPR	296-18804-1-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA	.58	.44	.33
SN74LVC2G157YZPR	296-18804-2-ND	Single 2-1 Line Data Selector/Mux	8-DSBGA		567.00/3,000	
SN74LVC2G240DCTR	296-15588-1-ND	Tri-State Dual Buffer/Driver	8-SSOP	.50	.38	.29
SN74LVC2G240DCTR	296-15588-2-ND	Tri-State Dual Buffer/Driver	8-SSOP		489.00/3,000	
SN74LVC2G240DCUR	296-13739-1-ND	Tri-State Dual Buffer/Driver	8-VSSOP	.52	.39	.30
SN74LVC2G240DCUR	296-13739-2-ND	Tri-State Dual Buffer/Driver	8-VSSOP		507.00/3,000	
SN74LVC2G240YEAR	296-15589-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G240YEAR	296-15589-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G240YEPR	296-18806-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G240YEPR	296-18806-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G240YZAR	296-15590-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G240YZAR	296-15590-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G240YZPR	296-18807-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.58	.44	.33
SN74LVC2G240YZPR	296-18807-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		567.00/3,000	
SN74LVC2G241DCTR	296-11935-1-ND	Tri-State Dual Buffer/Driver	8-SSOP	.50	.38	.29
SN74LVC2G241DCTR	296-11935-2-ND	Tri-State Dual Buffer/Driver	8-SSOP		489.00/3,000	
SN74LVC2G241DCUR	296-11936-1-ND	Tri-State Dual Buffer/Driver	8-VSSOP	.52	.39	.30
SN74LVC2G241DCUR	296-11936-2-ND	Tri-State Dual Buffer/Driver	8-VSSOP		507.00/3,000	
SN74LVC2G241YEAR	296-15591-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G241YEAR	296-15591-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G241YEPR	296-15854-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G241YEPR	296-15854-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G241YZAR	296-15592-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.92	.69	.52
SN74LVC2G241YZAR	296-15592-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		897.00/3,000	
SN74LVC2G241YZPR	296-15855-1-ND	Tri-State Dual Buffer/Driver	8-DSBGA	.58	.44	.33
SN74LVC2G241YZPR	296-15855-2-ND	Tri-State Dual Buffer/Driver	8-DSBGA		567.00/3,000	
SN74LVC2GU04DBVR	296-13276-1-ND	Dual Inverter Gate	SOT-23-6	.40	.32	.24
SN74LVC2GU04DBVR	296-13276-2-ND	Dual Inverter Gate	SOT-23-6		324.00/3,000	
SN74LVC2GU04DCKR	296-13277-1-ND	Dual Inverter Gate	SC70-6	.40	.32	.24
SN74LVC2GU04DCKR	296-13277-2-ND	Dual Inverter Gate	SC70-6		324.00/3,000	
SN74LVC2GU04YEAR	296-13742-1-ND	Dual Inverter Gate	6-DSBGA	.92	.69	.52
SN74LVC2GU04YEAR	296-13742-2-ND	Dual Inverter Gate	6-DSBGA		897.00/3,000	
SN74LVC2GU04YZAR	296-13743-1-ND	Dual Inverter Gate	6-DSBGA	.92	.69	.52
SN74LVC2GU04YZAR	296-13743-2-ND	Dual Inverter Gate	6-DSBGA		897.00/3,000	
SN74LVC2GU04YZPR	296-14376-1-ND	Dual Inverter Gate	6-DSBGA	.58	.44	.33
SN74LVC2GU04YZPR	296-14376-2-ND	Dual Inverter Gate	6-DSBGA		567.00/3,000	
SN74LVC2T45DCTR	296-16845-1-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-SSOP	.72	.54	.41
SN74LVC2T45DCTR	296-16845-2-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-SSOP		702.00/3,000	
SN74LVC2T45DCUR	296-17014-1-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-VSSOP	.72	.54	.41
SN74LVC2T45DCUR	296-17014-2-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-VSSOP		702.00/3,000	
SN74LVC2T45YEPR	296-17035-1-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-DSBGA	.84	.70	.56
SN74LVC2T45YEPR	296-17035-2-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-DSBGA		1092.00/3,000	
SN74LVC2T45YZPR	296-17036-1-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-DSBGA	.76	.57	.43
SN74LVC2T45YZPR	296-17036-2-ND	Tri-State Dual-Bit Dual Supply Bus Transceiver	8-DSBGA		741.00/3,000	
SN74LVC3G04DCTR	296-13278-1-ND	Triple Inverter Gate	8-SSOP	.60	.45	.34
SN74LVC3G04DCTR	296-13278-2-ND	Triple Inverter Gate	8-SSOP		585.00/3,000	
SN74LVC3G04DCUR	296-13279-1-ND	Triple Inverter Gate	8-VSSOP	.60	.45	.34
SN74LVC3G04DCUR	296-13279-2-ND	Triple Inverter Gate	8-VSSOP		585.00/3,000	
SN74LVC3G04YEAR	296-14043-1-ND	Triple Inverter Gate	8-DSBGA	.81	.68	.54
SN74LVC3G04YEAR	296-14043-2-ND	Triple Inverter Gate	8-DSBGA		1053.00/3,000	
SN74LVC3G04YZAR	296-15710-1-ND	Triple Inverter Gate	8-DSBGA	.81	.68	.54
SN74LVC3G04YZAR	296-15710-2-ND	Triple Inverter Gate	8-DSBGA		1053.00/3,000	
SN74LVC3G04YZPR	296-15110-1-ND	Triple Inverter Gate	8-DSBGA	.72	.54	.41
SN74LVC3G04YZPR	296-15110-2-ND	Triple Inverter Gate	8-DSBGA		702.00/3,000	
SN74LVC3G06DCTR	296-13280-1-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-SSOP	.60	.45	.34
SN74LVC3G06DCTR	296-13280-2-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-SSOP		585.00/3,000	
SN74LVC3G06DCUR	296-13281-1-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-VSSOP	.60	.45	.34
SN74LVC3G06DCUR	296-13281-2-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-VSSOP		585.00/3,000	
SN74LVC3G06YEAR	296-15598-1-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA	.81	.68	.54
SN74LVC3G06YEAR	296-15598-2-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA		1053.00/3,000	
SN74LVC3G06YEPR	296-18814-1-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA	.81	.68	.54
SN74LVC3G06YEPR	296-18814-2-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA		1053.00/3,000	
SN74LVC3G06YZPR	296-18815-1-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA	.72	.54	.41
SN74LVC3G06YZPR	296-18815-2-ND	Triple Inverter Buffer/Driver with Open Drain Outputs	8-DSBGA		702.00/3,000	
SN74LVC3G07DCTR	296-13282-1-ND	Triple Buffer/Driver with OD Outputs	8-SSOP	.60	.45	.34
SN74LVC3G07DCTR	296-13282-2-ND	Triple Buffer/Driver with OD Outputs	8-SSOP		585.00/3,000	
SN74LVC3G07DCUR	296-13283-1-ND	Triple Buffer/Driver with OD Outputs	8-VSSOP	.60	.45	.34
SN74LVC3G07DCUR	296-13283-2-ND	Triple Buffer/Driver with OD Outputs	8-VSSOP		585.00/3,000	
SN74LVC3G07YEAR	296-14044-1-ND	Triple Buffer/Driver with OD Outputs	8-DSBGA	.81	.68	.54
SN74LVC3G07YEAR	296-14044-2-ND	Triple Buffer/Driver with OD Outputs	8-DSBGA		1053.00/3,000	
SN74LVC3G07YZAR	296-15711-1-ND	Triple Buffer/Driver with OD Outputs	8-DSBGA	.81	.68	.54
SN74LVC3G07YZAR	296-15711-2-ND	Triple Buffer/Driver with OD Outputs	8-DSBGA		1053.00/3,000	
SN74LVC3G14DCTR	296-13284-1-ND	Triple Schmitt-Trigger Inverter	8-SSOP	.60	.45	.34
SN74LVC3G14DCTR	296-13284-2-ND	Triple Schmitt-Trigger Inverter	8-SSOP		585.00/3,000	
SN74LVC3G14DCUR	296-13006-1-ND	Triple Schmitt-Trigger Inverter	8-VSSOP	.60	.45	.34
SN74LVC3G14DCUR	296-13006-2-ND	Triple Schmitt-Trigger Inverter	8-VSSOP		585.00/3,000	
SN74LVC3G14YEAR	296-14045-1-ND	Triple Schmitt-Trigger Inverter	8-DSBGA	.81	.68	.54
SN74LVC3G14YEAR	296-14045-2-ND	Triple Schmitt-Trigger Inverter	8-DSBGA		1053.00/3,000	
SN74LVC3G14YEPR	296-18816-1-ND	Triple Schmitt-Trigger Inverter	8-DSBGA	.81	.68	.54
SN74LVC3G14YEPR	296-18816-2-ND	Triple Schmitt-Trigger Inverter	8-DSBGA		1053.00/3,000	
SN74LVC3G14YZPR	296-18817-1-ND	Triple Schmitt-Trigger Inverter	8-DSBGA	.72	.54	.41
SN74LVC3G14YZPR	296-18817-2-ND	Triple Schmitt-Trigger Inverter	8-DSBGA		702.00/3,000	
SN74LVC3G17DCTR	296-16915-1-ND	Triple Schmitt-Trigger Buffer	8-SSOP	.60	.45	.34
SN74LVC3G17DCTR	296-16915-2-ND	Triple Schmitt-Trigger Buffer	8-SSOP		585.00/3,000	
SN74LVC3G17DCUR	296-18818-1-ND	Triple Schmitt-Trigger Buffer	8-VSSOP	.60	.45	.34
SN74LVC3G17DCUR	296-18818-2-ND	Triple Schmitt-Trigger Buffer	8-VSSOP		585.00/3,000	
SN74LVC3G17YZPR	296-18819-1-ND	Triple Schmitt-Trigger Buffer	8-DSBGA	.72	.54	.41
SN74LVC3G17YZPR	296-18819-2-ND	Triple Schmitt-Trigger Buffer	8-DSBGA		702.00/3,000	
SN74LVC3G34DCTR	296-13285-1-ND	Triple Buffer Gate	8-SSOP	.60	.45	.34
SN74LVC3G34DCTR	296-13285-2-ND	Triple Buffer Gate	8-SSOP		585.00/3,000	
SN74LVC3G34DCUR	296-13286-1-ND	Triple Buffer Gate	8-VSSOP	.60	.45	.34
SN74LVC3G34DCUR	296-13286-2-ND	Triple Buffer Gate	8-VSSOP		585.00/3,000	
SN74LVC3G34YEAR	296-14046-1-ND	Triple Buffer Gate	8-DSBGA	.81	.68	.54
SN74LVC3G34YEAR	296-14046-2-ND	Triple Buffer Gate	8-DSBGA		1053.00/3,000	
SN74LVC3G34YZPR	296-15111-1-ND	Triple Buffer Gate	8-DSBGA	.72	.54	.41
SN74LVC3G34YZPR	296-15111-2-ND	Triple Buffer Gate	8-DSBGA		702.00/3,000	
SN74LVC3GU04DCTR	296-18820-1-ND	Triple Inverter Gate	8-SSOP	.80	.60	.45
SN74LVC3GU04DCTR	296-18820-2-ND	Triple Inverter Gate	8-SSOP		780.00/3,000	
SN74LVC3GU04DCUR	296-18821-1-ND	Triple Inverter Gate	8-VSSOP	.80	.60	.45
SN74LVC3GU04DCUR	296-18821-2-ND	Triple Inverter Gate	8-VSSOP		780.00/3,000	
SN74LVC3GU04YEPR	296-16823-1-ND	Triple Inverter Gate	8-DSBGA	.81	.68	.54
SN74LVC3GU04YEPR	296-16823-2-ND	Triple Inverter Gate	8-DSBGA		1053.00/3,000	
SN74LVC3GU04YZPR	296-16824-1-ND	Triple Inverter Gate	8-DSBGA	.72	.54	.41
SN74LVC3GU04YZPR	296-16824-2-ND	Triple Inverter Gate	8-DSBGA		702.00/3,000	
SN74LVC8T245DGVR	296-19287-1-ND	Tri-State 8-Bit Dual Supply Bus Transceiver	24-TVSOP	1.05	.88	.70
SN74LVC8T245DGVR	296-19287-2-ND	Tri-State 8-Bit Dual Supply Bus Transceiver	24-TVSOP		932.00/2,000	
SN74LVC8T245RHLR	296-18595-1-ND	Tri-State 8-Bit Dual Supply Bus Transceiver	24-QFN	1.17	.98	.78
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74VCU00AQRGYR	296-13954-1-ND	Quad 2-Input NAND Gate	14-QFN	.52	.39	.30
74VCU00AQRGYR	296-13954-2-ND	Quad 2-Input NAND Gate	14-QFN		172.00/1,000	
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74VCU02ADR	296-8433-1-ND	Quad 2-Input NOR Gate	14-SOIC	.49	.40	.27
74VCU02ADR	296-8433-2-ND	Quad 2-Input NOR Gate	14-SOIC		320.00/2,500	
74VCU02ADBR	296-8432-1-ND	Quad 2-Input NOR Gate	14-SSOP	.51	.41	.29
74VCU02ADBR	296-8432-2-ND	Quad 2-Input NOR Gate	14-SSOP		280.00/2,000	
74VCU02APWR	296-8434-1-ND	Quad 2-Input NOR Gate	14-TSSOP	.40	.32	.24
74VCU02APWR	296-8434-2-ND	Quad 2-Input NOR Gate	14-TSSOP		224.00/2,000	
74VCU02ARGYR	296-13955-1-ND	Quad 2-Input NOR Gate	14-QFN	.60	.45	.34
74VCU02ARGYR	296-13955-2-ND	Quad 2-Input NOR Gate	14-QFN		200.00/1,000	
74VCU04AD	296-1218-5-ND	Hex Inverter	14-SOIC	.49	.40	.27
74VCU04ADR	296-1218-1-ND	Hex Inverter	14-SOIC	.49	.40	.27
74VCU04ADR	296-1218-2-ND	Hex Inverter	14-SOIC		320.00/2,500	
74VCU04ADBR	296-1217-1-ND	Hex Inverter	14-SSOP	.49	.40	.27
74VCU04ADBR	296-1217-2-ND	Hex Inverter	14-SSOP		270.00/2,000	
74VCU04ADGVR	296-8435-1-ND	Hex Inverter	14-TVSOP	.42	.34	.25
74VCU04ADGVR	296-8435-2-ND	Hex Inverter	14-TVSOP		232.00/2,000	
74VCU04APWR	296-1219-1-ND	Hex Inverter	14-TSSOP	.49	.40	.27
74VCU04APWR	296-1219-2-ND	Hex Inverter	14-TSSOP		270.00/2,000	
74VCU04AQDREP	296-18126-1-ND	Hex Inverter	14-SOIC	1.28	1.02	.77
74VCU04AQDREP	296-18126-2-ND	Hex Inverter	14-SOIC		1632.50/2,500	
74VCU04ARGYR	296-13956-1-ND	Hex Inverter	14-QFN	.52	.39	.30
74VCU04ARGYR	296-13956-2-ND	Hex Inverter	14-QFN		173.00/1,000	
74VLC06AD	296-1696-5-ND	Hex Inverter Buffer/Driver with OD	14-SOIC	.49	.40	.27
74VLC06ADBR	296-14399-1-ND	Hex Inverter Buffer/Driver with OD	14-SSOP	.40	.32	.24
74VLC06ADBR	296-14399-2-ND	Hex Inverter Buffer/Driver with OD	14-SSOP		224.00/2,000	
74VLC06ADR	296-14905-1-ND	Hex Inverter Buffer/Driver with OD	14-SOIC	.49	.40	.27
74VLC06ADR	296-14905-2-ND	Hex Inverter Buffer/Driver with OD	14-SOIC		320.00/2,500	
74VLC06AGDVR	296-8436-1-ND	Hex Inverter Buffer/Driver with OD	14-TVSOP	.42	.34	.25
74VLC06AGDVR	296-8436-2-ND	Hex Inverter Buffer/Driver with OD	14-TVSOP		232.00/2,000	
74VLC06APWR	296-8437-1-ND	Hex Inverter Buffer/Driver with OD	14-TSSOP	.49	.40	.27
74VLC06APWR	296-8437-2-ND	Hex Inverter Buffer/Driver with OD	14-TSSOP		270.00/2,000	
74VLC06ARGYR	296-13957-1-ND	Hex Inverter Buffer/Driver with OD	14-QFN	.60	.45	.34
74VLC06ARGYR	296-13957-2-ND	Hex Inverter Buffer/Driver with OD	14-QFN		200.00/1,000	
74VLC07AD	296-8441-5-ND	Hex Buffer/Driver with OD	14-SOIC	.49	.40	.27
74VLC07ADR	296-8441-1-ND	Hex Buffer/Driver with OD	14-SOIC	.49	.40	.27
74VLC07ADR	296-8441-2-ND	Hex Buffer/Driver with OD	14-SOIC		320.00/2,500	
74VLC07ADBR	296-8439-1-ND	Hex Buffer/Driver with OD	14-SSOP	.51	.41	.29
74VLC07ADBR	296-8439-2-ND	Hex Buffer/Driver with OD	14-SSOP		280.00/2,000	
74VLC07ADGVR	296-8440-1-ND	Hex Buffer/Driver with OD	14-TVSOP	.42	.34	.25
74VLC07ADGVR	296-8440-2-ND	Hex Buffer/Driver with OD	14-TVSOP		232.00/2,000	
74VLC07APWR	296-8442-1-ND	Hex Buffer/Driver with OD	14-TSSOP	.49	.40	.27
74VLC07APWR	296-8442-2-ND	Hex Buffer/Driver with OD	14-TSSOP		270.00/2,000	
74VLC07ARGYR	296-13958-1-ND	Hex Buffer/Driver with OD	14-QFN	.60	.45	.34
74VLC07ARGYR	296-13958-2-ND	Hex Buffer/Driver with OD	14-QFN		200.00/1,000	
74VLC08AD	296-1697-5-ND	Quad 2-Input AND Gate	14-SOIC	.49	.40	.27
74VLC08ADR	296-1697-1-ND	Quad 2-Input AND Gate	14-SOIC	.49	.40	.27
74VLC08ADR	296-1697-2-ND	Quad 2-Input AND Gate	14-SOIC		320.00/2,500	
74VLC08ADBR	296-1220-1-ND	Quad 2-Input AND Gate	14-SSOP	.49	.40	.27
74VLC08ADBR	296-1220-2-ND	Quad 2-Input AND Gate	14-SSOP		270.00/2,000	
74VLC08APWR	296-1221-1-ND	Quad 2-Input AND Gate	14-TSSOP	.49	.40	.27
74VLC08APWR	296-1221-2-ND	Quad 2-Input AND Gate	14-TSSOP		270.00/2,000	
74VLC08ARGYR	296-13959-1-ND	Quad 2-Input AND Gate	14-QFN	.50	.38	.29
74VLC08ARGYR	296-13959-2-ND	Quad 2-Input AND Gate	14-QFN		166.00/1,000	
74VLC10AD	296-8443-5-ND	Triple 3-Input NAND Gate	14-SOP	.45	.36	.27
74VLC10ADBR	296-8444-1-ND	Triple 3-Input NAND Gate	14-SSOP	.45	.36	.27
74VLC10ADBR	296-8444-2-ND	Triple 3-Input NAND Gate	14-SSOP		252.00/2,000	
74VLC10APWR	296-8445-1-ND	Triple 3-Input NAND Gate	14-TSSOP	.45	.36	.27
74VLC10APWR	296-8445-2-ND	Triple 3-Input NAND Gate	14-TSSOP		252.00/2,000	
74VLC10ARGYR	296-13960-1-ND	Triple 3-Input NAND Gate	14-QFN	.66	.50	.38
74VLC10ARGYR	296-13960-2-ND	Triple 3-Input NAND Gate	14-QFN		219.00/1,000	
74VLC14AD	296-1699-5-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.49	.40	.27
74VLC14ADR	296-1699-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.49	.40	.27
74VLC14ADR	296-1699-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		320.00/2,500	
74VLC14ADBR	296-8463-1-ND	Hex Schmitt-Trigger Inverter	14-SSOP	.49	.40	.27
74VLC14ADBR	296-8463-2-ND	Hex Schmitt-Trigger Inverter	14-SSOP		270.00/2,000	
74VLC14ADGVR	296-8464-1-ND	Hex Schmitt-Trigger Inverter	14-TVSOP	.42	.34	.25
74VLC14ADGVR	296-8464-2-ND	Hex Schmitt-Trigger Inverter	14-TVSOP		232.00/2,000	
74VLC14APWR	296-1224-1-ND	Hex Schmitt-Trigger Inverter	14-TSSOP	.49	.40	.27
74VLC14APWR	296-1224-2-ND	Hex Schmitt-Trigger Inverter	14-TSSOP		270.00/2,000	
74VLC14AQDREP	296-19596-1-ND	Hex Schmitt-Trigger Inverter	14-SOIC	.48	.36	.27
74VLC14AQDREP	296-19596-2-ND	Hex Schmitt-Trigger Inverter	14-SOIC		396.00/2,500	
74VLC14AQPWREP	296-20666-1-ND	Hex Schmitt-Trigger Inverter **NEW!**	14-TSSOP	.48	.36	.27
74VLC14AQPWREP	296-20666-2-ND	Hex Schmitt-Trigger Inverter **NEW!**	14-TSSOP		320.00/2,000	
74VLC14ARGYR	296-13965-1-ND	Hex Schmitt-Trigger Inverter	14-QFN	.52	.39	.30
74VLC14ARGYR	296-13965-2-ND	Hex Schmitt-Trigger Inverter	14-QFN		173.00/1,000	
74VLC32AD	296-1235-5-ND	Quad 2-Input OR Gate	14-SOIC	.49	.40	.27
74VLC32ADR	296-1235-1-ND	Quad 2-Input OR Gate	14-SOIC	.49	.40	.27
74VLC32ADR	296-1235-2-ND	Quad 2-Input OR Gate	14-SOIC		320.00/2,500	
74VLC32ADBR	296-1234-1-ND	Quad 2-Input OR Gate	14-SSOP	.49	.40	.27
74VLC32ADBR	296-1234-2-ND	Quad 2-Input OR Gate	14-SSOP		270.00/2,000	
74VLC32APWR	296-1236-1-ND	Quad 2-Input OR Gate	14-TSSOP	.49	.40	.27
74VLC32APWR	296-1236-2-ND	Quad 2-Input OR Gate	14-TSSOP		270.00/2,000	
74VLC32ARGYR	296-13819-1-ND	Quad 2-Input Positive OR Gate	14-QFN	.50	.38	.29
74VLC32ARGYR	296-13819-2-ND	Quad 2-Input Positive OR Gate	14-QFN		166.00/1,000	
74VLC74AD	296-1240-5-ND	Tri-State Dual D-Type Flip-Flop	14-SOIC	.49	.40	.27
74VLC74ADR	296-1240-1-ND	Tri-State Dual D-Type Flip-Flop	14-SOIC	.49	.40	.27
74VLC74ADR	296-1240-2-ND	Tri-State Dual D-Type Flip-Flop	14-SOIC		320.00/2,500	
74VLC74ADBR	296-1239-1-ND	Tri-State Dual D-Type Flip-Flop	14-SSOP	.49	.40	.27
74VLC74ADBR	296-1239-2-ND	Tri-State Dual D-Type Flip-Flop	14-SSOP		270.00/2,000	
74VLC74APWR	296-1241-1-ND	Tri-State Dual D-Type Flip-Flop	14-TSSOP	.49	.40	.27
74VLC74APWR	296-1241-2-ND	Tri-State Dual D-Type Flip-Flop	14-TSSOP		270.00/2,000	
74VLC74AQPWRQ1	296-17492-1-ND	Tri-State Dual D-Type Flip-Flop	14-TSSOP	.44	.38	.27

Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74VLC74AQPWRQ1	296-17492-2-ND	Tri-State Dual D-Type Flip-Flop	14-TSSOP		246.00/2,000	
74VLC74ARGYR	296-13977-1-ND	Tri-State Dual D-Type Flip-Flop	14-QFN	.60	.45	.34
74VLC74ARGYR	296-13977-2-ND	Tri-State Dual D-Type Flip-Flop	14-QFN		200.00/1,000	
74VLC86AD	296-8561-5-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.49	.40	.27
74VLC86ADR	296-8562-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.49	.40	.27
74VLC86ADR	296-8562-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		270.00/2,000	
74VLC86ADR	296-14915-1-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.49	.40	.27
74VLC86ADR	296-14915-2-ND	Quad 2-Input Exclusive OR Gate	14-SOIC		320.00/2,500	
74VLC86APWR	296-1242-1-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP	.49	.40	.27
74VLC86APWR	296-1242-2-ND	Quad 2-Input Exclusive OR Gate	14-TSSOP		270.00/2,000	
74VLC86ARGYR	296-13978-1-ND	Quad 2-Input Exclusive OR Gate	14-QFN	.56	.42	.32
74VLC86ARGYR	296-13978-2-ND	Quad 2-Input Exclusive OR Gate	14-QFN		186.00/1,000	
74VLC74AD	296-8449-5-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-SOIC	.72	.54	.41
74VLC74ADR	296-8449-1-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-SOIC	.72	.54	.41
74VLC74ADR	296-8449-2-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-SOIC		585.00/2,500	
74VLC74ADBR	296-8447-1-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-SSOP	.72	.54	.41
74VLC74ADBR	296-8447-2-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-SSOP		478.00/2,000	
74VLC74ADGVR	296-8448-1-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-TVSOP	.72	.54	.41
74VLC74ADGVR	296-8448-2-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-TVSOP		478.00/2,000	
74VLC74APWR	296-8450-1-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-TSSOP	.72	.54	.41
74VLC74APWR	296-8450-2-ND	Dual Neg-Edge Trig JK Flip-Flop with Clear/Preset	16-TSSOP		478.00/2,000	
74VLC125AD	296-8453-5-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.45	.36	.27
74VLC125ADR	296-8453-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.45	.36	.27
74VLC125ADR	296-8453-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		305.00/2,500	
74VLC125ADBR	296-8452-1-ND	Tri-State Quad Bus Buffer Gate	14-SSOP	.43	.34	.26
74VLC125ADBR	296-8452-2-ND	Tri-State Quad Bus Buffer Gate	14-SSOP		238.00/2,000	
74VLC125ANSR	296-13234-1-ND	Tri-State Quad Bus Buffer Gate	14-SOP	.43	.34	.26
74VLC125ANSR	296-13234-2-ND	Tri-State Quad Bus Buffer Gate	14-SOP		238.00/2,000	
74VLC125APWR	296-1222-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.45	.36	.27
74VLC125APWR	296-1222-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		252.00/2,000	
74VLC125ARGYR	296-13961-1-ND	Tri-State Quad Bus Buffer Gate	14-QFN	.66	.50	.38
74VLC125ARGYR	296-13961-2-ND	Tri-State Quad Bus Buffer Gate	14-QFN		219.00/1,000	
74VLC126AD	296-8457-5-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.43	.34	.26
74VLC126ADR	296-8457-1-ND	Tri-State Quad Bus Buffer Gate	14-SOIC	.43	.34	.26
74VLC126ADR	296-8457-2-ND	Tri-State Quad Bus Buffer Gate	14-SOIC		287.50/2,500	
74VLC126ADBR	296-8455-1-ND	Tri-State Quad Bus Buffer Gate	14-SSOP	.43	.34	.26
74VLC126ADBR	296-8455-2-ND	Tri-State Quad Bus Buffer Gate	14-SSOP		238.00/2,000	
74VLC126ADGVR	296-8456-1-ND	Tri-State Quad Bus Buffer Gate	14-TVSOP	.48	.36	.27
74VLC126ADGVR	296-8456-2-ND	Tri-State Quad Bus Buffer Gate	14-TVSOP		320.00/2,000	
74VLC126ANSR	296-13701-1-ND	Tri-State Quad Bus Buffer Gate	14-SOP	.43	.34	.26
74VLC126ANSR	296-13701-2-ND	Tri-State Quad Bus Buffer Gate	14-SOP		238.00/2,000	
74VLC126APWR	296-8458-1-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP	.55	.44	.33
74VLC126APWR	296-8458-2-ND	Tri-State Quad Bus Buffer Gate	14-TSSOP		308.00/2,000	
74VLC126ARGYR	296-13962-1-ND	Tri-State Quad Bus Buffer Gate	14-QFN	.66	.50	.38
74VLC126ARGYR	296-13962-2-ND	Tri-State Quad Bus Buffer Gate	14-QFN		219.00/1,000	
74VLC138AD	296-8459-5-ND	3-8 Line Decoder/Demux	16-SOIC	.45	.36	.27
74VLC138ADBR	296-8460-1-ND	3-8 Line Decoder/Demux	16-SSOP	.45	.36	.27
74VLC138ADBR	296-8460-2-ND	3-8 Line Decoder/Demux	16-SSOP		252.00/2,000	
74VLC138ADGVR	296-13235-1-ND	3-8 Line Decoder/Demux	16-TVSOP	.50	.40	.30
74VLC138ADGVR	296-13235-2-ND	3-8 Line Decoder/Demux	16-TVSOP		278.00/2,000	
74VLC138ADR	296-14906-1-ND	3-8 Line Decoder/Demux	16-SOIC	.45	.36	.27
74VLC138ADR	296-14906-2-ND	3-8 Line Decoder/Demux	16-SOIC		305.00/2,500	
74VLC138AQGNR	296-12096-1-ND	3-8 Line Decoder/Demux	20-BGA	.75	.63	.50
74VLC138AQGNR	296-12096-2-ND	3-8 Line Decoder/Demux	20-BGA		333.00/1,000	
74VLC138APWR	296-1223-1-ND	3-8 Line Decoder/Demux	16-TSSOP	.45	.36	.27
74VLC138APWR	296-1223-2-ND	3-8 Line Decoder/Demux	16-TSSOP		252.00/2,000	
74VLC138ARGDRQ1	296-19474-1-ND	3-8 Line Decoder/Demux	16-SOIC	.53	.42	.32
74VLC138ARGDRQ1	296-19474-2-ND	3-8 Line Decoder/Demux	16-SOIC		355.00/2,500	
74VLC138ARGYR	296-13963-1-ND	3-8 Line Decoder/Demux	16-QFN	.66	.50	.38
74VLC138ARGYR	296-13963-2-ND	3-8 Line Decoder/Demux	16-QFN		219.00/1,000	
74VLC139AD	296-1698-5-ND	Dual 2-4 Line Decoder/Demux	16-SOIC	.48	.36	.27
74VLC139ADBR	296-8461-1-ND	Dual 2-4 Line Decoder/Demux	16-SSOP	.60	.45	.34
74VLC139ADBR	296-8461-2-ND	Dual 2-4 Line Decoder/Demux	16-SSOP		400.00/2,000	
74VLC139AQGNR	296-13236-1-ND	Dual 2-4 Line Decoder/Demux	16-VFBGA	.75	.63	.50
74VLC139AQGNR	296-13236-2-ND	Dual 2-4 Line Decoder/Demux	16-VFBGA		333.00/1,000	
74VLC139APWR	296-8462-1-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP	.45	.36	.27
74VLC139APWR	296-8462-2-ND	Dual 2-4 Line Decoder/Demux	16-TSSOP		252.00/2,000	
74VLC139ARGYR	296-13964-1-ND	Dual 2-4 Line Decoder/Demux	16-QFN	.72	.54	.41
74VLC139ARGYR	296-13964-2-ND	Dual 2-4 Line Decoder/Demux	16-QFN		239.00/1,000	
74VLC157AD	296-1700-5-ND	Quad 2-1 Data Selector/Mux	16-SOIC	.55	.44	.33
74VLC157ADBR	296-8465-1-ND	Quad 2-1 Data Selector/Mux	16-SSOP	.55	.44	.33
74VLC157ADBR	296-8465-2-ND	Quad 2-1 Data Selector/Mux	16-SSOP		308.00/2,000	
74VLC157ADR	296-14907-1-ND	Quad 2-1 Data Selector/Mux	16-SOIC	.55	.44	.33
74VLC157ADR	296-14907-2-ND	Quad 2-1 Data Selector/Mux	16-SOIC		372.50/2,500	
74VLC157APWR	296-1225-1-ND	Quad 2-1 Data Selector/Mux	16-TSSOP	.55	.44	.33
74VLC157APWR	296-1225-2-ND	Quad 2-1 Data Selector/Mux	16-TSSOP		308.00/2,000	
74VLC157AQPWRQ1	296-17743-1-ND	Quad 2-1 Data Selector/Mux	16-TSSOP	.65	.52	.39
74VLC157AQPWRQ1	296-17743-2-ND	Quad 2-1 Data Selector/Mux	16-TSSOP		362.00/2,000	
74VLC157ARGYR	296-13966-1-ND	Quad 2-1 Data Selector/Mux	16-QFN	.66	.50	.38
74VLC157ARGYR	296-13966-2-ND	Quad 2-1 Data Selector/Mux	16-QFN		219.00/1,000	
74VLC240ADBR	296-8494-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.64	.48	.36
74VLC240ADBR	296-8494-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		426.00/2,000	
74VLC240ADGVR	296-8495-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.60	.50	.38
74VLC240ADGVR	296-8495-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP		438.00/2,000	
74VLC240ADW	296-8496-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
74VLC240ADWR	296-8496-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
74VLC240ADWR	296-8496-2-ND	Tri-State Octal Buffer/Driver	20-SOIC		400.00/2,000	
74VLC240ANSR	296-12902-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.64	.48	.36
74VLC240ANSR	296-12902-2-ND	Tri-State Octal Buffer/Driver	20-SOP		426.00/2,000	
74VLC240APWR	296-8498-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.60	.45	.34
74VLC240APWR	296-8498-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP		400.00/2,000	
74VLC244ADBR	296-8499-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.53	.42	.32
74VLC244ADBR	296-8499-2-ND	Tri-State Octal Buffer/Driver	20-SSOP		294.00/2,000	
74VLC244ADGVR	296-8500-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.48	.36	.27

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC244ADGVR	296-8500-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP			320.00/2,000
SN74LVC244ADWR	296-1229-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.55	.44	.33
SN74LVC244ADWR	296-1229-2-ND	Tri-State Octal Buffer/Driver	20-SOIC			308.00/2,000
SN74LVC244AGQNR	296-12097-1-ND	Tri-State Octal Buffer/Driver	20-BGA	.75	.63	.50
SN74LVC244AGQNR	296-12097-2-ND	Tri-State Octal Buffer/Driver	20-BGA			333.00/1,000
SN74LVC244AN	296-8501-5-ND	Tri-State Octal Buffer/Driver	20-Dip	.60	.45	.34
SN74LVC244ANSR	296-17115-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.55	.44	.33
SN74LVC244ANSR	296-17115-2-ND	Tri-State Octal Buffer/Driver	20-SOP			308.00/2,000
SN74LVC244APWR	296-1230-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.55	.44	.33
SN74LVC244APWR	296-1230-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP			308.00/2,000
SN74LVC244ARGYR	296-13967-1-ND	Tri-State Octal Buffer/Driver	20-QFN	.68	.51	.39
SN74LVC244ARGYR	296-13967-2-ND	Tri-State Octal Buffer/Driver	20-QFN			226.00/1,000
SN74LVC244AZQNR	296-19878-1-ND	Tri-State Octal Buffer/Driver *NEW!*	20-BGA	.68	.51	.39
SN74LVC244AZQNR	296-19878-2-ND	Tri-State Octal Buffer/Driver *NEW!*	20-BGA			226.00/1,000
SN74LVC245ADBR	296-1231-1-ND	Tri-State Octal Bus Transceiver	20-SSOP	.55	.44	.33
SN74LVC245ADBR	296-1231-2-ND	Tri-State Octal Bus Transceiver	20-SSOP			308.00/2,000
SN74LVC245ADGVR	296-8502-1-ND	Tri-State Octal Bus Transceiver	20-TVSOP	.66	.50	.38
SN74LVC245ADGVR	296-8502-2-ND	Tri-State Octal Bus Transceiver	20-TVSOP			438.00/2,000
SN74LVC245ADW	296-1232-5-ND	Tri-State Octal Bus Transceiver	20-SOIC	.55	.44	.33
SN74LVC245ADWR	296-1232-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.55	.44	.33
SN74LVC245ADWR	296-1232-2-ND	Tri-State Octal Bus Transceiver	20-SOIC			308.00/2,000
SN74LVC245AGQNR	296-12098-1-ND	Tri-State Octal Bus Transceiver	20-BGA	.75	.63	.50
SN74LVC245AGQNR	296-12098-2-ND	Tri-State Octal Bus Transceiver	20-BGA			333.00/1,000
SN74LVC245AN	296-8503-5-ND	Tri-State Octal Bus Transceiver	20-Dip	.60	.45	.34
SN74LVC245ANSR	296-13632-1-ND	Tri-State Octal Bus Transceiver	20-SOP	.60	.45	.34
SN74LVC245ANSR	296-13632-2-ND	Tri-State Octal Bus Transceiver	20-SOP			400.00/2,000
SN74LVC245APWR	296-1233-1-ND	Tri-State Octal Bus Transceiver	20-TSSOP	.60	.45	.34
SN74LVC245APWR	296-1233-2-ND	Tri-State Octal Bus Transceiver	20-TSSOP			400.00/2,000
SN74LVC245ARGYR	296-13968-1-ND	Tri-State Octal Bus Transceiver	20-QFN	.68	.51	.39
SN74LVC245ARGYR	296-13968-2-ND	Tri-State Octal Bus Transceiver	20-QFN			226.00/1,000
SN74LVC257AD	296-8504-5-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SOIC	.56	.42	.32
SN74LVC257ADBR	296-12903-1-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SSOP	.56	.42	.32
SN74LVC257ADBR	296-12903-2-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SSOP			372.00/2,000
SN74LVC257ADR	296-8504-1-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SOIC	.60	.45	.34
SN74LVC257ADR	296-8504-2-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SOIC			487.50/2,500
SN74LVC257APWR	296-8506-1-ND	Tri-State Quad 2-1 Data Selector/Mux	16-TSSOP	.56	.42	.32
SN74LVC257APWR	296-8506-2-ND	Tri-State Quad 2-1 Data Selector/Mux	16-TSSOP			372.00/2,000
SN74LVC257AQDRQ1	296-18658-1-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SOIC	.88	.71	.53
SN74LVC257AQDRQ1	296-18658-2-ND	Tri-State Quad 2-1 Data Selector/Mux	16-SOIC			595.00/2,500
SN74LVC257ARGYR	296-13969-1-ND	Tri-State Quad 2-1 Data Selector/Mux	16-QFN	.68	.51	.39
SN74LVC257ARGYR	296-13969-2-ND	Tri-State Quad 2-1 Data Selector/Mux	16-QFN			226.00/1,000
SN74LV373ADBR	296-1237-1-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP	.48	.36	.27
SN74LV373ADBR	296-1237-2-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP			320.00/2,000
SN74LV373ADGVR	296-8510-1-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP	.53	.40	.30
SN74LV373ADGVR	296-8510-2-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP			352.00/2,000
SN74LV373ADW	296-8511-5-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.48	.36	.27
SN74LV373ADWR	296-8511-1-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.48	.36	.27
SN74LV373ADWR	296-8511-2-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC			320.00/2,000
SN74LV373AGQNR	296-12099-1-ND	Tri-State Octal Transp. D-Type Latch	20-BGA	.90	.75	.60
SN74LV373AGQNR	296-12099-2-ND	Tri-State Octal Transp. D-Type Latch	20-BGA			399.00/1,000
SN74LV373AN	296-12905-5-ND	Tri-State Octal Transp. D-Type Latch	20-Dip	.68	.51	.39
SN74LV373APWR	296-8512-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.48	.36	.27
SN74LV373APWR	296-8512-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP			320.00/2,000
SN74LV373ARGYR	296-13973-1-ND	Tri-State Octal Transp. D-Type Latch	20-QFN	.60	.60	.45
SN74LV373ARGYR	296-13973-2-ND	Tri-State Octal Transp. D-Type Latch	20-QFN			266.00/1,000
SN74LV374ADBR	296-8513-1-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP	.48	.36	.27
SN74LV374ADBR	296-8513-2-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP			320.00/2,000
SN74LV374ADGVR	296-12906-1-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP	.53	.40	.30
SN74LV374ADGVR	296-12906-2-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP			352.00/2,000
SN74LV374ADW	296-1701-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.48	.36	.27
SN74LV374ADWR	296-1701-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.48	.36	.27
SN74LV374ADWR	296-1701-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC			320.00/2,000
SN74LV374AN	296-12907-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.68	.51	.39
SN74LV374APWR	296-1238-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.48	.36	.27
SN74LV374APWR	296-1238-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP			320.00/2,000
SN74LV374ARGYR	296-14910-1-ND	Tri-State Octal D-Type Flip-Flop	20-QFN	.68	.51	.39
SN74LV374ARGYR	296-14910-2-ND	Tri-State Octal D-Type Flip-Flop	20-QFN			226.00/1,000
SN74LVC540ADBR	296-8516-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.56	.42	.32
SN74LVC540ADBR	296-8516-2-ND	Tri-State Octal Buffer/Driver	20-SSOP			372.00/2,000
SN74LVC540ADGVR	296-12908-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.62	.47	.35
SN74LVC540ADGVR	296-12908-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP			410.00/2,000
SN74LVC540ADWR	296-8517-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.56	.42	.32
SN74LVC540ADWR	296-8517-2-ND	Tri-State Octal Buffer/Driver	20-SOIC			372.00/2,000
SN74LVC540APWR	296-12909-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.64	.48	.36
SN74LVC540APWR	296-12909-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP			426.00/2,000
SN74LVC541ADBR	296-8518-1-ND	Tri-State Octal Buffer/Driver	20-SSOP	.60	.48	.36
SN74LVC541ADBR	296-8518-2-ND	Tri-State Octal Buffer/Driver	20-SSOP			336.00/2,000
SN74LVC541ADGVR	296-8519-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.53	.40	.30
SN74LVC541ADGVR	296-8519-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP			352.00/2,000
SN74LVC541ADW	296-8520-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.48	.36
SN74LVC541ADWR	296-14912-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.48	.36	.27
SN74LVC541ADWR	296-14912-2-ND	Tri-State Octal Buffer/Driver	20-SOIC			320.00/2,000
SN74LVC541ANSR	296-15847-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.48	.36	.27
SN74LVC541ANSR	296-15847-2-ND	Tri-State Octal Buffer/Driver	20-SOP			320.00/2,000
SN74LVC541APWR	296-8521-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.48	.36	.27
SN74LVC541APWR	296-8521-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP			320.00/2,000
SN74LVC541ARGYR	296-13974-1-ND	Tri-State Octal Buffer/Driver	20-QFN	.88	.66	.50
SN74LVC541ARGYR	296-13974-2-ND	Tri-State Octal Buffer/Driver	20-QFN			293.00/1,000
SN74LVC543ADBR	296-8522-1-ND	Tri-State Octal Registered Transceiver	24-SSOP	1.05	.88	.70
SN74LVC543ADBR	296-8522-2-ND	Tri-State Octal Registered Transceiver	24-SSOP			932.00/2,000
SN74LVC543ADW	296-8523-5-ND	Tri-State Octal Registered Transceiver	24-SOIC	1.05	.88	.70
SN74LVC543APWR	296-8524-1-ND	Tri-State Octal Registered Transceiver	24-TSSOP	1.05	.88	.70
SN74LVC543APWR	296-8524-2-ND	Tri-State Octal Registered Transceiver	24-TSSOP			932.00/2,000
SN74LVC573ADBR	296-8525-1-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP	.60	.48	.36
SN74LVC573ADBR	296-8525-2-ND	Tri-State Octal Transp. D-Type Latch	20-SSOP			336.00/2,000
SN74LVC573ADGVR	296-8526-1-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP	.53	.40	.30
SN74LVC573ADGVR	296-8526-2-ND	Tri-State Octal Transp. D-Type Latch	20-TVSOP			352.00/2,000
SN74LVC573ADW	296-8527-5-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.60	.48	.36
SN74LVC573ADWR	296-14913-1-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC	.48	.36	.27
SN74LVC573ADWR	296-14913-2-ND	Tri-State Octal Transp. D-Type Latch	20-SOIC			320.00/2,000
SN74LVC573AGQNR	296-12100-1-ND	Tri-State Octal Transp. D-Type Latch	20-BGA	.90	.75	.60
SN74LVC573AGQNR	296-12100-2-ND	Tri-State Octal Transp. D-Type Latch	20-BGA			399.00/1,000
SN74LVC573AN	296-8528-5-ND	Tri-State Octal Transp. D-Type Latch	20-Dip	.60	.45	.34
SN74LVC573APWR	296-8529-1-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP	.48	.36	.27
SN74LVC573APWR	296-8529-2-ND	Tri-State Octal Transp. D-Type Latch	20-TSSOP			320.00/2,000

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74LVC573ARGYR	296-13975-1-ND	Tri-State Octal Transp. D-Type Latch	20-QFN	.80	.60	.45
SN74LVC573ARGYR	296-13975-2-ND	Tri-State Octal Transp. D-Type Latch	20-QFN			266.00/1,000
SN74LVC574ADBR	296-8530-1-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP	.60	.48	.36
SN74LVC574ADBR	296-8530-2-ND	Tri-State Octal D-Type Flip-Flop	20-SSOP			336.00/2,000
SN74LVC574ADGVR	296-12475-1-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP	.53	.40	.30
SN74LVC574ADGVR	296-12475-2-ND	Tri-State Octal D-Type Flip-Flop	20-TVSOP			352.00/2,000
SN74LVC574ADW	296-8531-5-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.60	.48	.36
SN74LVC574ADWR	296-14914-1-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.48	.36	.27
SN74LVC574ADWR	296-14914-2-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC			320.00/2,000
SN74LVC574AGQNR	296-12101-1-ND	Tri-State Octal D-Type Flip-Flop	20-BGA	.90	.75	.60
SN74LVC574AGQNR	296-12101-2-ND	Tri-State Octal D-Type Flip-Flop	20-BGA			399.00/1,000
SN74LVC574AN	296-12910-5-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.60	.45	.34
SN74LVC574APWR	296-8532-1-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.48	.36	.27
SN74LVC574APWR	296-8532-2-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP			320.00/2,000
SN74LVC574ARGYR	296-13976-1-ND	Tri-State Octal D-Type Flip-Flop	20-QFN	.68	.51	.39
SN74LVC574ARGYR	296-13976-2-ND	Tri-State Octal D-Type Flip-Flop	20-QFN			226.00/1,000
SN74LVC646ADBR	296-8533-1-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP	1.26	1.05	.84
SN74LVC646ADBR	296-8533-2-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP			1118.00/2,000
SN74LVC646ADW	296-8534-5-ND	Tri-St. Octal Bus Transceiver/Register	24-SOIC	1.26	1.05	.84
SN74LVC646APWR	296-8535-1-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP	1.26	1.05	.84
SN74LVC646APWR	296-8535-2-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP			1118.00/2,000
SN74LVC652ADBR	296-8536-1-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP	1.05	.88	.70
SN74LVC652ADBR	296-8536-2-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP			932.00/2,000
SN74LVC652ADW	296-8537-5-ND	Tri-St. Octal Bus Transceiver/Register	24-SOIC	1.05	.88	.70
SN74LVC652APWR	296-8538-1-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP	1.05	.88	.70
SN74LVC652APWR	296-8538-2-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP			932.00/2,000
SN74LVC821ADBR	296-8539-1-ND	Tri-State 10-Bit Interface Flip-Flop	24-SSOP	.96	.80	.64
SN74LVC821ADBR	296-8539-2-ND	Tri-State 10-Bit Interface Flip-Flop	24-SSOP			852.00/2,000
SN74LVC821ADGVR	296-8540-1-ND	Tri-State 10-Bit Interface Flip-Flop	24-TVSOP	.96	.80	.64
SN74LVC821ADGVR	296-8540-2-ND	Tri-State 10-Bit Interface Flip-Flop	24-TVSOP			852.00/2,000
SN74LVC821ADW	296-1703-5-ND	Tri-State 10-Bit Interface Flip-Flop	24-SOIC	.96	.80	.64
SN74LVC821ADWR	296-1703-1-ND	Tri-State 10-Bit Bus-Interface Flip-Flop	24-SOIC	.96	.80	.64
SN74LVC821ADWR	296-1703-2-ND	Tri-State 10-Bit Bus-Interface Flip-Flop	24-SOIC			852.00/2,000
SN74LVC821APWR	296-8541-1-ND	Tri-State 10-Bit Interface Flip-Flop	24-TSSOP	.96	.80	.64
SN74LVC821APWR	296-8541-2-ND	Tri-State 10-Bit Interface Flip-Flop	24-TSSOP			852.00/2,000
SN74LVC823ADBR	296-8542-1-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-SSOP	.75	.63	.50
SN74LVC823ADBR	296-8542-2-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-SSOP			666.00/2,000
SN74LVC823ADGVR	296-8543-1-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-TVSOP	1.05	.88	.70
SN74LVC823AGQVR	296-8543-2-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-VFBGA			932.00/2,000
SN74LVC823ADW	296-12911-5-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-SOIC	.75	.63	.50
SN74LVC823APWR	296-8544-1-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-TSSOP	.75	.63	.50
SN74LVC823APWR	296-8544-2-ND	Tri-State 9-Bit Bus-Interface Flip-Flop	24-TSSOP			666.00/2,000
SN74LVC827ADBR	296-8545-1-ND	Tri-State 10-Bit Buffer/Driver	24-SSOP	1.11	.93	.74
SN74LVC827ADBR	296-8545-2-ND	Tri-State 10-Bit Buffer/Driver	24-SSOP			984.00/2,000
SN74LVC827ADGVR	296-8546-1-ND	Tri-State 10-Bit Buffer/Driver	24-TVSOP	1.11	.93	.74
SN74LVC827ADGVR	296-8546-2-ND	Tri-State 10-Bit Buffer/Driver	24-TVSOP			984.00/2,000
SN74LVC827ADW	296-8547-5-ND	Tri-State 10-Bit Buffer/Driver	24-SOIC	1.11	.93	.74
SN74LVC827APWR	296-8548-1-ND	Tri-State 10-Bit Buffer/Driver	24-TSSOP	1.11	.93	.74
SN74LVC827APWR	296-8548-2-ND	Tri-State 10-Bit Buffer/Driver	24-TSSOP			984.00/2,000
SN74LVC828ADBR	296-12912-1-ND	Tri-State 10-Bit Buffer/Driver	24-SSOP	1.11	.93	.74
SN74LVC828ADBR	296-12912-2-ND	Tri-State 10-Bit Buffer/Driver	24-SSOP			984.00/2,000
SN74LVC828ADGVR	296-12741-1-ND	Tri-State 10-Bit Buffer/Driver	24-TVSOP	1.11	.93	.74
SN74LVC828ADGVR	296-12741-2-ND	Tri-State 10-Bit Buffer/Driver	24-TVSOP			984.00/2,000
SN74LVC828ADW	296-12913-5-ND	Tri-State 10-Bit Buffer/Driver	24-SOIC	1.11	.93	.74
SN74LVC828APWR	296-8549-1-ND	Tri-State 10-Bit Buffer/Driver	24-TSSOP	1.11	.93	.74
SN74LVC828APWR	296-8549-2-ND	Tri-State 10-Bit Buffer/Driver	24-TSSOP			984.00/2,000
SN74LVC841ADBR	296-8550-1-ND	Tri-St. 10-Bit Interface D-Type Latch	24-SSOP	1.70	1.36	1.02
SN74LVC841ADBR	296-8550-2-ND	Tri-St. 10-Bit Interface D-Type Latch	24-SSOP			1768.00/2,000
SN74LVC841ADGVR	296-8551-1-ND	Tri-St. 10-Bit Interface D-Type Latch	24-TVSOP	1.70	1.36	1.02
SN74LVC841ADGVR	296-8551-2-ND	Tri-St. 10-Bit Interface D-Type Latch	24-TVSOP			1768.00/2,000
SN74LVC841ADW	296-8552-5-ND	Tri-St. 10-Bit Interface D-Type Latch	24-SOIC	1.70	1.36	1.02
SN74LVC841APWR	296-8553-1-ND	Tri-St. 10-Bit Interface D-Type Latch	24-TSSOP	1.70	1.36	1.02
SN74LVC841APWR	296-8553-2-ND	Tri-St. 10-Bit Interface D-Type Latch	24-TSSOP			1768.00/2,000
SN74LVC861ADBR	296-12914-1-ND	Tri-State 10-Bit Bus Transceiver	24-SSOP	2.05	1.64	1.23
SN74LVC861ADBR	296-12914-2-ND	Tri-State 10-Bit Bus Transceiver	24-SSOP			2132.00/2,000
SN74LVC861ADGVR	296-8555-1-ND	Tri-State 10-Bit Bus Transceiver	24-TVSOP	2.05	1.64	1.23
SN74LVC861ADGVR	296-8555-2-ND	Tri-State 10-Bit Bus Transceiver	24-TVSOP			2132.00/2,000
SN74LVC861ADW	296-8556-5-ND	Tri-State 10-Bit Bus Transceiver	24-SOIC	2.05	1.64	1.23
SN74LVC861APWR	296-12915-1-ND	Tri-State 10-Bit Bus Transceiver	24-TSSOP	2.05	1.64	1.23
SN74LVC861APWR	296-12915-2-ND	Tri-State 10-Bit Bus Transceiver	24-TSSOP			2132.00/2,000
SN74LVC863ADBR	296-8557-1-ND	Tri-State 9-Bit Bus Transceiver	24-SSOP	2.05	1.64	1.23
SN74LVC863ADBR	296-8557-2-ND	Tri-State 9-Bit Bus Transceiver	24-SSOP			2132.00/2,000
SN74LVC863ADGVR	296-8558-1-ND	Tri-State 9-Bit Bus Transceiver	24-TVSOP	2.05	1.64	1.23
SN74LVC863ADGVR	296-8558-2-ND	Tri-State 9-Bit Bus Transceiver	24-TVSOP			2132.00/2,000
SN74LVC863ADW	296-8559-5-ND	Tri-State 9-Bit Bus Transceiver	24-SOIC	2.05	1.64	1.23
SN74LVC863APWR	296-8560-1-ND	Tri-State 9-Bit Bus Transceiver	24-TSSOP	2.05	1.64	1.23
SN74LVC863APWR	296-8560-2-ND	Tri-State 9-Bit Bus Transceiver	24-TSSOP			2132.00/2,000
SN74LVC1G17DCTR	296-17047-1-ND	Tri-State Buffer/Driver	8-SSOP	.81	.68	.54
SN74LVC1404DCTR	296-17257-2-ND	Oscillator Driver	8-SSOP			1053.00/3,000
SN74LVC1404YEPR	296-18751-1-ND	Oscillator Driver	8-DSBGA	1.35	1.13	.90
SN74LVC1404YEPR	296-18751-2-ND	Oscillator Driver	8-DSBGA			1755.00/3,000
SN74LVC1404YZPR	296-18082-1-ND	Oscillator Driver	8-DSBGA	.90	.75	.60
SN74LVC1404YZPR	296-18082-2-ND	Oscillator Driver	8-DSBGA			1170.00/3,000
SN74LVC2244ADGVR	296-12901-1-ND	Tri-State Octal Buffer/Driver	20-TVSOP	.80	.60	.45
SN74LVC2244ADGVR	296-12901-2-ND	Tri-State Octal Buffer/Driver	20-TVSOP			532.00/2,000
SN74LVC2244ADW	296-8490-5-ND	Tri-State Octal Buffer/Driver	20-SOIC	.60	.45	.34
SN74LVC2244ADWR	296-8490-1-ND	Tri-State Octal Buffer/Driver	20-SOIC	.72	.54	.41
SN74LVC2244ADWR	296-8490-2-ND	Tri-State Octal Buffer/Driver	20-SOIC			478.00/2,000
SN74LVC2244ANSR	296-13256-1-ND	Tri-State Octal Buffer/Driver	20-SOP	.60	.45	.34
SN74LVC2244ANSR	296-13256-2-ND	Tri-State Octal Buffer/Driver	20-SOP			400.00/2,000
SN74LVC2244APWR	296-8491-1-ND	Tri-State Octal Buffer/Driver	20-TSSOP	.60	.45	.34
SN74LVC2244APWR	296-8491-2-ND	Tri-State Octal Buffer/Driver	20-TSSOP			400.00/2,000
SN74LVC2952ADBR	296-12904-1-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP	1.05	.88	.70
SN74LVC2952ADBR	296-12904-2-ND	Tri-St. Octal Bus Transceiver/Register	24-SSOP			932.00/2,000
SN74LVC2952ADW	296-8507-5-ND	Tri-St. Octal Bus Transceiver/Register	24-SOIC	1.05	.88	.70
SN74LVC2952APWR	296-8508-1-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP	1.05	.88	.70
SN74LVC2952APWR	296-8508-2-ND	Tri-St. Octal Bus Transceiver/Register	24-TSSOP			932.00/2,000
SN74LVC4245ADBR	296-8514-1-ND	Tri-St. Octal Bus Xcvr, 3.3V-5V Shifter	24-SSOP	.90	.75	.60
SN74LVC4245ADBR	296-8514-2-ND	Tri-St. Octal Bus Xcvr, 3.3V-5V Shifter	24-SSOP			798.00/2,000
SN74LVC4245ADW	296-8515-5-ND	Tri-St. Octal Bus Xcvr, 3.3V-5V Shifter	24-SOIC	.90	.75	.60

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

TEXAS INSTRUMENTS — FIFO MEMORY

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
SN74ACT3641-20PCB	296-4410-ND	1Kx36 Clocked FIFO Memory	120-TQFP	21.78	20.33	18.88
SN74ACT3641-20PQ	296-4411-ND	1Kx36 Clocked FIFO Memory	132-BQFP	21.78	20.33	18.88
SN74ACT3641-30PCB	296-4412-ND	1Kx36 Clocked FIFO Memory	120-TQFP	21.78	20.33	18.88
SN74ACT3641-30PQ	296-4413-ND	1Kx36 Clocked FIFO Memory	132-BQFP	21.78	20.33	18.88
SN74ACT3651-15PQ	296-4415-ND	2Kx36 Synchronous FIFO Memory	132-BQFP	30.69	28.65	26.60
SN74ACT3651-20PCB	296-4416-ND	2Kx36 Synchronous FIFO Memory	120-TQFP	24.75	23.10	21.45
SN74ACT3651-20PQ	296-4417-ND	2Kx36 Synchronous FIFO Memory	132-BQFP	24.75	23.10	21.45
SN74ACT3651-30PCB	296-4418-ND	2Kx36 Synchronous FIFO Memory	120-TQFP	22.28	20.79	19.31
SN74ACT3651-30PQ	296-4419-ND	2Kx36 Synchronous FIFO Memory	132-BQFP	22.28	20.79	19.31
SN74ACT7802-25FN	296-4447-ND	1Kx18 Strobed FIFO Memory	68-PLCC	12.33	11.10	9.85
SN74ACT7802-25PN	296-4448-ND	1Kx18 Strobed FIFO Memory	80-TQFP	10.56	9.51	8.44
SN74ACT7803-20DL	296-4450-5-ND	512x18 Clocked FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7803-25DL	296-4451-5-ND	512x18 Clocked FIFO Memory	56-SOP	8.20	6.56	5.54
SN74ACT7803-25DLR	296-4451-1-ND	512x18 Clocked FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7803-25LDR	296-4451-2-ND	512x18 Clocked FIFO Memory	56-SOP		4950.00/1,000	
SN74ACT7803-40DL	296-4452-5-ND	512x18 Clocked FIFO Memory	56-SOP	8.20	6.56	5.54
SN74ACT7804-20DL	296-4453-5-ND	512x18 Strobed FIFO Memory	56-SOP	8.40	6.72	5.67
SN74ACT7804-20DLR	296-15975-1-ND	512x18 Strobed FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7804-20DLR	296-15975-2-ND	512x18 Strobed FIFO Memory	56-SOP		5375.00/1,000	
SN74ACT7804-40DLR	296-4454-1-ND	512x18 Strobed FIFO Memory	56-SOP	6.60	5.28	4.46
SN74ACT7804-40LDR	296-4454-2-ND	512x18 Strobed FIFO Memory	56-SOP		5250.00/1,000	
SN74ACT7805-15DLR	296-15976-1-ND	256x18 Clocked FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7805-15LDR	296-15976-2-ND	256x18 Clocked FIFO Memory	56-SOP		4950.00/1,000	
SN74ACT7805-20DL	296-4456-5-ND	256x18 Clocked FIFO Memory	56-SOP	14.96	13.47	11.95
SN74ACT7805-25DLR	296-4457-1-ND	256x18 Clocked FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7805-25LDR	296-4457-2-ND	256x18 Clocked FIFO Memory	56-SOP		4950.00/1,000	
SN74ACT7805-40DL	296-4458-5-ND	256x18 Clocked FIFO Memory	56-SOP	8.40	6.72	5.67
SN74ACT7806-20DL	296-4459-5-ND	256x18 Strobed FIFO Memory	56-SOP	14.96	13.47	11.95
SN74ACT7807-20FN	296-4462-5-ND	2Kx9 Clocked FIFO Memory	44-PLCC	17.82	16.64	15.45
SN74ACT7807-20PAG	296-4463-ND	2Kx9 Clocked FIFO Memory	64-TQFP	17.82	16.64	15.45
SN74ACT7807-25FN	296-4464-5-ND	2Kx9 Clocked FIFO Memory	44-PLCC	10.56	9.51	8.44
SN74ACT7807-25PAG	296-4465-ND	2Kx9 Clocked FIFO Memory	64-TQFP	10.56	9.51	8.44
SN74ACT7807-40FN	296-4466-5-ND	2Kx9 Clocked FIFO Memory	44-PLCC	11.55	10.40	9.22
SN74ACT7807-40PAG	296-4467-ND	2Kx9 Clocked FIFO Memory	64-TQFP	11.55	10.40	9.22
SN74ACT7808-20FN	296-4468-5-ND	2Kx9 Strobed FIFO Memory	44-PLCC	17.82	16.64	15.45
SN74ACT7808-20PAG	296-4469-ND	2Kx9 Strobed FIFO Memory	64-TQFP	17.82	16.64	15.45
SN74ACT7808-25FN	296-4470-5-ND	2Kx9 Strobed FIFO Memory	44-PLCC	10.56	9.51	8.44
SN74ACT7808-25PAG	296-4471-ND	2Kx9 Strobed FIFO Memory	64-TQFP	10.56	9.51	8.44
SN74ACT7808-30FN	296-4472-5-ND	2Kx9 Strobed FIFO Memory	44-PLCC	15.35	14.33	13.30
SN74ACT7808-30PAG	296-4473-ND	2Kx9 Strobed FIFO Memory	64-TQFP	15.35	14.33	13.30
SN74ACT7808-40FN	296-4474-5-ND	2Kx9 Strobed FIFO Memory	44-PLCC	11.55	10.40	9.22
SN74ACT7808-40PAG	296-4475-ND	2Kx9 Strobed FIFO Memory	64-TQFP	11.55	10.40	9.22
SN74ACT7811-18FN	296-4478-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	17.82	16.64	15.45
SN74ACT7811-18PN	296-4479-ND	1Kx18 Clocked FIFO Memory	80-TQFP	17.82	16.64	15.45
SN74ACT7811-20FN	296-4480-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	13.74	12.38	10.98
SN74ACT7811-20PN	296-4481-ND	1Kx18 Clocked FIFO Memory	80-TQFP	13.74	12.38	10.98
SN74ACT7811-25FN	296-4482-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	10.62	9.60	8.52
SN74ACT7811-25PN	296-4483-ND	1Kx18 Clocked FIFO Memory	80-TQFP	10.66	9.60	8.52
SN74ACT7813-20DL	296-4485-5-ND	64x18 Clocked FIFO Memory	56-SOP	7.92	6.34	5.35
SN74ACT7813-25DL	296-4486-5-ND	64x18 Clocked FIFO Memory	56-SOP	7.26	5.81	4.91
SN74ACT7813-40DL	296-4487-5-ND	64x18 Clocked FIFO Memory	56-SOP	6.60	5.28	4.46
SN74ACT7814-20DL	296-4488-5-ND	64x18 Strobed FIFO Memory	56-SOP	12.50	11.25	9.98
SN74ACT7814-40DLR	296-4489-1-ND	64x18 Strobed FIFO Memory	56-SOP	6.60	5.28	4.46
SN74ACT7814-40LDR	296-4489-2-ND	64x18 Strobed FIFO Memory	56-SOP		5375.00/1,000	
SN74ACT7881-15FN	296-4490-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	17.82	16.64	15.45
SN74ACT7881-15PN	296-4491-ND	1Kx18 Clocked FIFO Memory	80-TQFP	17.82	16.64	15.45
SN74ACT7881-20FN	296-4492-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	17.82	16.64	15.45
SN74ACT7881-20PN	296-4493-ND	1Kx18 Clocked FIFO Memory	80-TQFP	17.82	16.64	15.45
SN74ACT7881-30FN	296-4494-5-ND	1Kx18 Clocked FIFO Memory	68-PLCC	15.35	14.33	13.30
SN74ACT7881-30PN	296-4495-ND	1Kx18 Clocked FIFO Memory	80-TQFP	15.35	14.33	13.30
SN74ACT7882-15FN	296-4496-5-ND	2Kx18 Clocked FIFO Memory	68-PLCC	22.28	20.79	19.31
SN74ACT7882-20FN	296-4498-5-ND	2Kx18 Clocked FIFO Memory	68-PLCC	22.28	20.79	19.31
SN74ACT7882-20PN	296-4499-ND	2Kx18 Clocked FIFO Memory	80-LQFP	22.28	20.79	19.31
SN74ACT7882-30FN	296-4500-5-ND	2Kx18 Clocked FIFO Memory	68-PLCC	20.79	19.41	18.02
SN74ACT7882-30PN	296-4501-ND	2Kx18 Clocked FIFO Memory	80-LQFP	20.79	19.41	18.02
SN74ALS232BN	296-5039-5-ND	16x4 Asynchronous FIFO Memory	16-Dip	9.00	7.20	6.08
SN74AVLC7803-20DL	296-5161-5-ND	512x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7803-20DLR	296-15978-1-ND	512x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7803-20DLR	296-15978-2-ND	512x18, 3.3V Sync. FIFO Memory	56-SSOP		4950.00/1,000	
SN74AVLC7803-25DL	296-5162-5-ND	512x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7803-40DL	296-5163-5-ND	512x18, 3.3V Sync. FIFO Memory	56-SSOP	7.10	5.68	4.80
SN74AVLC7804-25DL	296-5164-5-ND	512x18, 3.3V Async. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7805-20DLR	296-15979-1-ND	256x18, 3.3V Sync. FIFO Memory	56-SSOP	14.96	13.47	11.95
SN74AVLC7805-20DLR	296-15979-2-ND	256x18, 3.3V Sync. FIFO Memory	56-SSOP		11090.30/1,000	
SN74AVLC7805-25DL	296-5166-5-ND	256x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7805-40DL	296-5167-5-ND	256x18, 3.3V Sync. FIFO Memory	56-SSOP	5.94	4.76	4.01
SN74AVLC7806-25DL	296-5168-5-ND	256x18, 3.3V Async. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7813-20DL	296-5169-5-ND	64x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7813-20DLR	296-15980-1-ND	64x18, 3.3V Sync. FIFO Memory	56-SSOP	7.92	6.34	5.35
SN74AVLC7813-20DLR	296-15980-2-ND	64x18, 3.3V Sync. FIFO Memory	56-SSOP		4950.00/1,000	
SN74AVLC7813-25DL	296-5170-5-ND	64x18, 3.3V Sync. FIFO Memory	56-SSOP	7.26	5.81	4.91
SN74AVLC7813-40DL	296-5171-5-ND	64x18, 3.3V Sync. FIFO Memory	56-SSOP	6.60	5.28	4.46
SN74AVLC7814-25DL	296-5172-5-ND	64x18, 3.3V Async. FIFO Memory	56-SSOP	7.26	5.81	4.91
SN74AVLC7814-40DL	296-5173-5-ND	64x18, 3.3V Async. FIFO Memory	56-SSOP	6.60	5.28	4.46
SN74V215-15PAG	296-9894-ND	512x18 Sync. FIFO Memory	64-TQFP	9.90	8.91	7.91
SN74V215-10PAG	296-9894-ND	512x18 Sync. FIFO Memory	64-TQFP	16.70	13.36	11.26
SN74V215-15PAG	296-9895-ND	512x18 Sync. FIFO Memory	64-TQFP	10.16	9.15	8.12
SN74V225-7PAG	296-9901-ND	1024x18 Sync. FIFO Memory	64-TQFP	9.50	8.55	7.59
SN74V225-10PAG	296-9898-ND	1024x18 Sync. FIFO Memory	64-TQFP	9.50	8.55	7.59
SN74V225-15PAG	296-9899-ND	1024x18 Sync. FIFO Memory	64-TQFP	10.00	9.00	7.98
SN74V235-20PAG	296-9900-ND	1024x18 Sync. FIFO Memory	64-TQFP	9.83	8.85	7.85
SN74V235-7PAG	296-9905-ND	2048x18 Sync. FIFO Memory	64-TQFP	9.50	8.55	7.59
SN74V235-10PAG	296-9902-ND	2048x18 Sync. FIFO Memory	64-TQFP	9.50	8.55	7.59
SN74V235-15PAG	296-9903-ND	2048x18 Sync. FIFO Memory	64-TQFP	9.68	8.70	7.72
SN74V235-20PAG	296-9904-ND	2048x18 Sync. FIFO Memory	64-TQFP	9.66	8.70	7.72
SN74V245-7PAG	296-9909-ND	4096x18 Sync. FIFO Memory	64-TQFP	9.65	8.69	7.71
SN74V245-15PAG	296-9907-ND	4096x18 Sync. FIFO Memory	64-TQFP	9.08	8.18	7.25
SN74V245-20PAG	296-9908-ND	4096x18 Sync. FIFO Memory	64-TQFP	9.33	8.40	7.45
SN74V263-6PZA	296-12479-ND	8192x18, 3.3V Sync. FIFO Memory	80-TQFP	22.37	20.88	19.39
SN74V263-7GQM	296-15723-5-ND	8192x18, 3.3V Sync. FIFO Memory	80-TQFP	32.91	30.72	28.53
SN74V263-7PZA	296-12480-ND	8192x18, 3.3V Sync. FIFO Memory	80-TQFP	21.74	20.29	18.84
SN74V263-10PZA	296-12477-ND	8192x18, 3.3V Sync. FIFO Memory	80-TQFP	21.11	19.70	18.30
SN74V263-15PZA	296-12478-ND	8192x18, 3.3V Sync. FIFO Memory	80-TQFP	20.46	19.10	17.74
SN74V273-6PZA	296-12483-ND	16384x18, 3.3V Sync. FIFO Memory	80-TQFP	24.30	22.68	21.06
SN74V273-7PZA	296-12484-ND	16384x18, 3.3V Sync. FIFO Memory	80-TQFP	23.66	22.08	20.51
SN74V273-10PZA	296-12481-ND	16384x18, 3.3V Sync. FIFO Memory	80-TQFP	23.01	21.48	19.95
SN74V273-15PZA	296-12482-ND	16384x18, 3.3V Sync. FIFO Memory	80-TQFP	22.37	20.88	19.39
SN74V283-6PZA	296-12487-ND	32768x18, 3.3V Sync. FIFO Memory	80-TQFP	26.22	24.48	22.73
SN74V293-6GGM	296-18205-ND	65536x18, 3.3V Sync. FIFO Memory	100-BGA	40.77	38.06	35.34
SN74V293-6PZA	296-12491-ND	65536x18, 3.3V Sync. FIFO Memory	80-TQFP	28.13	26.25	24.38
SN74V293-7PZA	296-12492-ND	65536x18, 3.3V Sync. FIFO Memory	80-TQFP	27.50	25.67	23.83
SN74V293-10PZA	296-12489-ND	65536x18, 3.3V Sync. FIFO Memory	80-TQFP	26.85	25.06	23.27
SN74V293-15PZA	296-12490-ND	65536x18, 3.3V Sync. FIFO Memory	80-TQFP	26.22	24.48	22.73
SN74V3640-7PEU	296-14940-ND	1024x36, 3.3V FIFO CMOS Memory	128-LQFP	18.35	17.13	15.90
SN74V3650-7PEU	296-14941-ND	2048x36, 3.3V FIFO CMOS Memory	128-LQFP	19.97	18.64	17.31
SN74V3660-7PEU	296-14942-ND	4096x36, 3.3V FIFO CMOS Memory	128-LQFP	21.74	20.29	18.84
SN74V3680-7PEU	296-14944-ND	16384x36, 3.3V FIFO CMOS Memory	128-LQFP	25.58	23.87	22.17
SN74V3690-6PEU	296-14945-ND	32768x36, 3.3V FIFO CMOS Memory	128-LQFP	28.13	26.25	24.38

TEXAS INSTRUMENTS — FILTERS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TLC04ID	296-10230-5-ND	Butterworth Switched-Capacitor Filter	8-SOIC	2.59	2.07	1.61
TLC14CD	296-10239-5-ND	Butterworth Switched-Capacitor Filter	8-SOIC	2.38	1.90	1.43
TLC14ID	296-10240-5-ND	Butterworth Switched-Capacitor Filter	8-SOIC	2.25	1.80	1.40
UAF42AP	UAF42AP-ND	Universal Active Filter, -108db THD	14-Dip	12.58	11.33	10.05
UAF42AU	UAF42AU-ND	Universal Active Filter	16-SOIC	12.58	11.33	10.05

TEXAS INSTRUMENTS — INTEGRATORS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ACF2101BU	ACF2101BU-ND	Low Noise, Dual, Switched Integrator	24-SOIC	23.33	21.77	20.22
IVC102U	IVC102U-ND	Prec. Switched Integrator Trans. Amp	14-SOIC	9.10	7.28	6.15

TEXAS INSTRUMENTS — I/O EXPANDERS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
PCF8574ADGVR	296-17437-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TVSOP	1.88	1.50	1.13
PCF8574ADGVR	296-17437-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TVSOP		1950.00/2,000	
PCF8574ADWR	296-13105-1-ND	8-Bit, Remote I/O Expander for I²C Bus	16-SOIC	1.88	1.50	1.13
PCF8574ADWR	296-13105-2-ND	8-Bit, Remote I/O Expander for I²C Bus	16-SOIC		1688.00/2,000	
PCF8574AN	296-13106-5-ND	8-Bit, Remote I/O Expander for I²C Bus	16-Dip	1.88	1.50	1.13
PCF8574APWR	296-13107-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TSSOP	1.88	1.50	1.13
PCF8574APWR	296-13107-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TSSOP		1950.00/2,000	
PCF8574ARGYR	296-15150-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-QFN	2.00	1.60	1.20
PCF8574ARGYR	296-15150-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-QFN		844.00/1,000	
PCF8574DGVR	296-17364-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TVSOP	1.88	1.50	1.13
PCF8574DGVR	296-17364-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TVSOP		1950.00/2,000	
PCF8574DWR	296-13108-1-ND	8-Bit, Remote I/O Expander for I²C Bus	16-SOIC	1.88	1.50	1.13
PCF8574DWR	296-13108-2-ND	8-Bit, Remote I/O Expander for I²C Bus	16-SOIC		1950.00/2,000	
PCF8574N	296-13109-5-ND	8-Bit, Remote I/O Expander for I²C Bus	16-Dip	1.88	1.50	1.13
PCF8574PWR	296-13110-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TSSOP	1.88	1.50	1.13
PCF8574PWR	296-13110-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-TSSOP		1688.00/2,000	
PCF8574RGYR	296-15173-1-ND	8-Bit, Remote I/O Expander for I²C Bus	20-QFN	2.00	1.60	1.20
PCF8574RGYR	296-15173-2-ND	8-Bit, Remote I/O Expander for I²C Bus	20-QFN		1040.00/1,000	
PCF8575CDBQR	296-17913-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-QSOP	2.03	1.62	1.26
PCF8575CDBQR	296-17913-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-QSOP		2835.00/2,500	
PCF8575CDGVR	296-17914-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TVSOP	2.03	1.62	1.26
PCF8575CDGVR	296-17914-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TVSOP		2296.00/2,000	
PCF8575CDWR	296-17915-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-SOIC	2.03	1.62	1.26
PCF8575CDWR	296-17915-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-SOIC		2296.00/2,000	
PCF8575CPWR	296-17916-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TSSOP	2.03	1.62	1.26
PCF8575CPWR	296-17916-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TSSOP		2296.00/2,000	
PCF8575DBQR	296-17806-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-QSOP	2.03	1.62	1.26
PCF8575DBQR	296-17806-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-QSOP		2835.00/2,500	
PCF8575DBR	296-17856-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-SSOP	2.03	1.62	1.26
PCF8575DBR	296-17856-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-SSOP		2296.00/2,000	
PCF8575DGVR	296-17792-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TVSOP	2.03	1.62	1.26
PCF8575DGVR	296-17792-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TVSOP		2296.00/2,000	
PCF8575PWR	296-17807-1-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TSSOP	2.03	1.62	1.26
PCF8575PWR	296-17807-2-ND	16-Bit, Remote I/O Expander for I²C AND SMBus	24-TSSOP		2296.00/2,000	
PCA9535RGER	296-19548-1-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QFN	2.08	1.66	1.25
PCA9535RGER	296-19548-2-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QFN		3186.00/3,000	
PCA9539DBQR	296-19266-1-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QSOP	2.39	1.91	1.49
PCA9539DBQR	296-19266-2-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QSOP		3307.50/2,500	
PCA9539RGER	296-19549-1-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QFN	2.36	1.89	1.47
PCA9539RGER	296-19549-2-ND	16-Bit Remote I²C AND SMBus, Low Power I/O Expander	24-QFN		3969.00/3,000	
PCA9555RGER	296-19591-1-ND	16-Bit Remote I²C AND SMBus, I/O Expander	24-QFN	2.03	1.62	1.26
PCA9555RGER	296-19591-2-ND	16-Bit Remote I²C AND SMBus, I/O Expander	24-QFN		3402.00/3,000	
PCA9557RGYR	296-19472-1-ND	8-Bit Remote I²C AND SMBus Low Power I/O Expander	16-QFN	1.75	1.40	1.05
PCA9557RGYR	296-19472-2-ND	8-Bit Remote I²C AND SMBus Low Power I/O Expander	16-QFN		910.00/1,000	

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Hot-Swap						
UCC3918EVM	296-13600-ND	Evaluation Module for UCC3918 ***NEW!***	—	62.78	—	—
UCC3919D	296-2339-5-ND	3V to 8V Hot-Swap Power Manager	16-SOIC	5.29	4.23	3.29
UCC3919PW	296-6777-5-ND	Single Hot-Swap Power Controller	16-TSSOP	5.29	4.23	3.29
UCC3921D	296-2340-5-ND	Neg. Floating Hot-Swap Power Manager	8-SOIC	3.60	2.88	2.24
UCC3921N	296-6779-5-ND	Negative Latchable Floating Hot-Swap Power Manager	8-Dip	3.60	2.88	2.24
UCC39151RWPTR	296-11995-1-ND	7-15V Programmable Hot-Swap Power Manager	24-HTSSOP	9.16	8.25	7.32
UCC39151PWPTR	296-11995-2-ND	7-15V Programmable Hot-Swap Power Manager	24-HTSSOP		13586.00/2,000	
Peripheral						
TPS2363PFB	296-19556-ND	PCIExpress Server Dual Slot Hot Plug Controller	48-TQFP	4.73	3.78	2.94
TPS2370D	296-15039-5-ND	Power Interface Switch	8-SOIC	3.83	3.06	2.38
TPS2370PW	296-15040-5-ND	Power Interface Switch	8-TSSOP	3.83	3.06	2.38
TPS2375D	296-17061-ND	IEEE 802.3af PoE Powered Controller	8-SOIC	2.25	1.80	1.40
TPS2375EVM	296-17039-ND	Power-Over-Ethernet Powered Device Evaluation Module		167.40	—	—
TPS2375PW	296-17062-ND	IEEE 802.3af PoE Powered Controller	8-TSSOP	2.25	1.80	1.40
TPS2375PW-1	296-17903-5-ND	IEEE 802.3af PoE Powered Controller	8-TSSOP	2.81	2.25	1.75
TPS2376D	296-17063-ND	IEEE 802.3af PoE Powered Controller	8-SOIC	2.25	1.80	1.40
TPS2376PW	296-17064-ND	IEEE 802.3af PoE Powered Controller	8-TSSOP	2.25	1.80	1.40
TPS2377D	296-17065-ND	IEEE 802.3af PoE Powered Controller	8-SOIC	2.25	1.80	1.40
TPS2377D-1	296-17904-5-ND	IEEE 802.3af PoE Powered Controller	8-SOIC	2.81	2.25	1.75
TPS2377PW	296-17066-ND	IEEE 802.3af PoE Powered Controller	8-TSSOP	2.25	1.80	1.40
TPS2384PJD	296-19557-ND	Quad Integrated Power Sourcing Equipment Power Manager	64-TQFP	7.80	6.24	5.27
TPS65160APWPR	296-18305-1-ND	Bias Power Supply for TV and Monitor TFT LCD Panels	28-TSSOP	4.50	3.60	2.80
TPS65160APWPR	296-18305-2-ND	Bias Power Supply for TV and Monitor TFT LCD Panels	28-TSSOP		5100.00/2,000	
TPS65160PWPR	296-17905-1-ND	Bias Power Supply for TV and Monitor TFT LCD Panels	28-TSSOP	4.50	3.60	2.80
TPS65160PWPR	296-17905-2-ND	Bias Power Supply for TV and Monitor TFT LCD Panels	28-TSSOP		5100.00/2,000	
TPS65161PWPR	296-19673-1-ND	Bias Power Supply for TV and Monitor TFT LCD Panels ***NEW!***	28-TSSOP	5.20	4.16	3.51
TPS65161PWPR	296-19673-2-ND	Bias Power Supply for TV and Monitor TFT LCD Panels ***NEW!***	28-TSSOP		6500.00/2,000	
TPS65520ZVDR	296-18342-1-ND	Power Management IC for Digital Still Camera	113-BGA	7.90	6.32	5.34
TPS65520ZVDR	296-18342-2-ND	Power Management IC for Digital Still Camera	113-BGA		12245.00/2,500	
TPS65560RGTR	296-19478-1-ND	Integrated Photo Flash Charger and IGBT Driver	16-QFN	2.13	1.70	1.28
TPS65560RGTR	296-19478-2-ND	Integrated Photo Flash Charger and IGBT Driver	16-QFN		3264.00/3,000	
TPS75003RHLR	296-17835-1-ND	Triple Supply Power Management IC	20-QFN	4.28	3.42	2.66
TPS75003RHLR	296-17835-2-ND	Triple Supply Power Management IC	20-QFN		7182.00/3,000	
TPS75003RHLT	296-19438-1-ND	Triple Supply Power Mgmt IC	20-QFN	4.73	3.78	2.94
TPS75003RHLT	296-19438-2-ND	Triple Supply Power Mgmt IC	20-QFN		698.25/250	
UC563DP	296-11362-5-ND	32-Line VME Bus Bias Generator	8-SOIC	5.06	4.05	3.15
UC5601QP	296-11357-5-ND	18-Line 5V SE Terminator for SCSI and Fast SCSI	28-PLCC	8.26	6.61	5.58
UC5603DP	296-11359-5-ND	9-Line 5V SE Terminator for SCSI and Fast SCSI	16-SOIC	5.24	4.20	3.27
UC3916DP	296-2255-5-ND	SCSI Termpower Manager	8-SOIC	3.83	3.06	2.38
UC5510MWP	296-6730-5-ND	9-Line SCSI Multi Terminator	36-SOP	4.07	3.26	2.54
UC5519PWP	296-15066-5-ND	9-Line SCSI Multi Terminator	28-HTSSOP	2.79	2.24	1.74
UC5606DP	296-6731-5-ND	9-Line 3-5V SCSI SE Terminator	16-SOIC	3.11	2.49	1.94
UC5606PWP	296-6732-5-ND	9-Line 3-5V SCSI SE Terminator	16-HTSSOP	3.11	2.49	1.94
UC5614DP	296-6735-5-ND	9-Line 3-5V SCSI SE Terminator	16-SOIC	3.11	2.49	1.94
UC5614PWP	296-6736-5-ND	9-Line 3-5V SCSI SE Terminator	24-HTSSOP	3.11	2.49	1.94
UC5617DWP	296-6737-5-ND	18-Line 3-5V SCSI SE Terminator	28-SOIC	4.70	3.77	2.93
UC5618DWP	296-6738-5-ND	18-Line 3-5V SCSI SE Terminator	28-SOIC	4.70	3.77	2.93
UC5618QP	296-6739-5-ND	18-Line 3-5V SCSI SE Terminator	28-PLCC	5.24	4.20	3.27
UC5619MWP	296-6740-5-ND	27-Line 5V SE Terminator for Fast/Ultra SCSI	36-SOP	5.70	4.56	3.85
UC5620MWP	296-6743-5-ND	27-Line 5V SE Terminator	48-SOP	5.70	4.56	3.85
UC5621MWP	296-6744-5-ND	27-Line 5V SE Terminator	44-SOP	5.70	4.56	3.85
UC5622MWP	296-6746-5-ND	27-Line 5V SE Terminator for Fast/Ultra SCSI	44-SOP	5.70	4.56	3.85
UC5628FQP	296-6747-ND	14-Line 3-5V SCSI Multi Terminator	48-LQFP	5.36	4.29	3.34
UC5629FQP	296-6748-ND	14-Line 3-5V SCSI Multi Terminator	48-LQFP	5.36	4.29	3.34
UC5630AFQP	296-6749-ND	9-Line 3-5V SCSI Multi Terminator	48-LQFP	5.56	4.45	3.46
UC5630AMWP	296-6750-5-ND	9-Line 3-5V SCSI Multi Terminator	36-SOP	4.28	3.42	2.66
UC5631AFQP	296-6751-ND	9-Line 3-5V SCSI Multi Terminator	48-LQFP	5.56	4.45	3.46
UC5631AMWP	296-6752-5-ND	9-Line 3-5V SCSI Multi Terminator	36-SOP	4.28	3.42	2.66
UC5638EVM	296-13603-ND	Evaluation Module for UCC5638 ***NEW!***	—	62.78	—	—
UC5638FQP	296-6753-ND	15-Line 3-5V SCSI Multi Terminator	48-LQFP	5.24	4.20	3.27
UC5639FQP	296-6754-ND	15-Line 3-5V SCSI Multi Terminator	48-LQFP	5.36	4.29	3.34
UC5640EVM	296-13604-ND	Evaluation Module for UCC5640 ***NEW!***	—	62.78	—	—
UC5640PW24	296-6755-5-ND	9-Line 3-5V LVD SCSI Terminator	24-TSSOP	2.99	2.40	1.87
UC5640PW28	296-6756-5-ND	9-Line 3-5V LVD SCSI Terminator	28-TSSOP	2.99	2.40	1.87
UC5670MWP	296-12964-5-ND	9-Line Multimode SCSI Terminator	36-SSOP	3.96	3.17	2.47
UC5672MWP	296-6760-5-ND	9-Line 3-5V SCSI Multi Terminator	36-SOP	4.28	3.42	2.66
UC5672PWP	296-6761-5-ND	9-Line 3-5V SCSI Multi Terminator	28-HTSSOP	4.28	3.42	2.66
UC5673MWP	296-6762-5-ND	9-Line 3-5V SCSI Multi Terminator	36-SOP	4.28	3.42	2.66
UC5673PWP	296-6763-5-ND	9-Line 3-5V SCSI Multi Terminator	28-HTSSOP	4.28	3.42	2.66
UC5680PW24	296-11565-5-ND	9-Line 3-5V LVD Terminator for SCSI - Ultra3 SCSI	24-TSSOP	2.99	2.40	1.87
UC5680PW28	296-11566-5-ND	9-Line 3-5V LVD Terminator for SCSI - Ultra3 SCSI	28-TSSOP	2.99	2.40	1.87
UC5686PM	296-11567-ND	27-Line 3-5V LVD Terminator for Wide Ultra2/Ultra3 SCSI	64-QFP	6.66	5.33	4.50
UC5687PM	296-11568-ND	27-Line 3-5V LVD Terminator for Wide Ultra2/Ultra3 SCSI	64-QFP	6.66	5.33	4.50
UC5696PN	296-14234-5-ND	27-Line LVD SCSI Terminator	80-LQFP	11.08	9.98	8.85
Power + Array						
TPIC44H01DA	296-1952-5-ND	4-Channel High-Side Driver	32-TSSOP	3.83	3.06	2.38

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Power + Logic						
TPIC6A259DW	296-9004-5-ND	Power 8-Bit Addressable Latch	24-SOIC	2.99	2.40	1.87
TPIC6A259NE	296-9005-5-ND	Power 8-Bit Addressable Latch	20-Dip	3.85	3.08	2.40
TPIC6A595DW	296-9006-5-ND	Power 8-Bit Shift Register	24-SOIC	2.59	2.07	1.61
TPIC6A595NE	296-9007-5-ND	Power 8-Bit Shift Register	20-Dip	2.70	2.16	1.68
TPIC6A596DW	296-9008-5-ND	Power 8-Bit Shift Register	24-SOIC	2.59	2.07	1.61
TPIC6A596NE	296-9009-5-ND	Power 8-Bit Shift Register	20-Dip	2.70	2.16	1.68
TPIC6B259DW	296-9010-5-ND	Power 8-Bit Addressable Latch	20-SOIC	1.70	1.36	1.02
TPIC6B259N	296-9011-5-ND	Power 8-Bit Addressable Latch	20-Dip	1.70	1.36	1.02
TPIC6B273DW	296-1350-5-ND	Power Octal D-Type Switch	20-SOIC	1.70	1.36	1.02
TPIC6B273DWR	296-1350-1-ND	Power Octal D-Type Latch	20-SOIC	1.70	1.36	1.02
TPIC6B273DWR	296-1350-2-ND	Power Octal D-Type Latch	20-SOIC		1768.00/2,000	
TPIC6B273N	296-9012-5-ND	Power Octal D-Type Latch	20-Dip	1.70	1.36	1.02
TPIC6B595DW	296-1351-5-ND	Power 8-Bit Shift Register	20-SOIC	1.26	1.05	.84
TPIC6B595DWG4	296-19555-5-ND	Power 8-Bit Shift Register	20-SOIC	1.26	1.05	.84
TPIC6B595DWR	296-1351-1-ND	Power 8-Bit Shift Register	20-SOIC	1.41	1.18	.94
TPIC6B595DWR	296-1351-2-ND	Power 8-Bit Shift Register	20-SOIC		1250.00/2,000	
TPIC6B595N	296-1956-5-ND	Power 8-Bit Shift Register	20-Dip	1.41	1.18	.94
TPIC6B596DW	296-9013-5-ND	Power 8-Bit Shift Register	20-SOIC	1.26	1.05	.84
TPIC6B596N	296-9014-5-ND	Power 8-Bit Shift Register	16-SOIC	.99	.83	.66
TPIC6C595N	296-2020-5-ND	Power 8-Bit Shift Register	16-Dip	1.05	.88	.70
TPIC6C596D	296-9014-5-ND	Power 8-Bit Shift Register	16-SOIC	.99	.83	.66
TPIC6C596DR	296-19451-1-ND	Power 8-Bit Shift Register	16-SOIC	1.05	.88	.70
TPIC6C596DR	296-19451-2-ND	Power 8-Bit Shift Register	16-SOIC		1137.50/2,500	
TPIC6C596N	296-9015-5-ND	Power 8-Bit Shift Register	16-Dip	1.05	.88	.70
TPIC6C596PW	296-19605-5-ND	Power 8-Bit Shift Register	16-TSSOP	1.02	.85	.68
TPIC43T01DA	296-10866-5-ND	Three-Phase Brushless Motor RPM Controller	38-TSSOP	5.06	4.05	3.15
TPIC44L01DB	296-10867-5-ND	4-Channel Serial/Parallel Low-Side Pre-FET Driver	24-SSOP	2.00	1.60	1.20
TPIC44L02DB	296-10868-5-ND	4-Channel Serial/Parallel Low-Side Pre-FET Driver	24-SSOP	2.00	1.60	1.20
TPIC46L01DB	296-10869-5-ND	6-Channel Serial/Parallel Low-Side Pre-FET Driver	28-SSOP	2.25	1.80	1.40
TPIC46L02DB	296-10870-5-ND	6-Channel Serial/Parallel Low-Side Pre-FET Driver	28-SSOP	2.25	1.80	1.40
TPIC46L03DB	296-10871-5-ND	6-Channel Serial/Parallel Low-Side Pre-FET Driver	28-SSOP	2.25	1.80	1.40
TPIC0107BDWP	296-10857-5-ND	PWM Control Intelligent H-Bridge	20-HSOP	4.50	3.60	2.80
TPIC0108BDWP	296-10858-5-ND	PWM Control Intelligent H-Bridge	20-HSOP	5.18	4.14	3.22
TPIC0108BDWPR	296-10858-1-ND	PWM Control Intelligent H-Bridge	20-HSOP	5.18	4.14	3.22
TPIC0108BDWPR	296-10858-2-ND	PWM Control Intelligent H-Bridge	20-HSOP		5866.00/2,000	
TPIC1021DR	296-17542-1-ND	LIN Physical Interface	8-SOIC	1.38	1.10	.83
TPIC1021DR	296-17542-2-ND	LIN Physical Interface	8-SOIC		1760.00/2,500	
TPIC2101D	296-10860-5-ND	Single Phase Low-Side Pre-FET Driver	14-SOIC	2.48	1.98	1.54
TPIC2101N	296-10861-5-ND	Single Phase Low-Side Pre-FET Driver	14-Dip	2.48	1.98	1.54
TPIC2603DW	296-10863-5-ND	6-Ch. Serial Interface Low-Side Driver	24-SOIC	5.29	4.23	3.29
TPIC2603NE	296-10864-5-ND	6-Ch. Serial Interface Low-Side Driver	20-Dip	5.29	4.23	3.29
TPIC2701N	296-10865-5-ND	7-Channel Common-Source Driver	16-Dip	4.50	3.60	2.80
TPIC6259DW	296-9000-5-ND	Power 8-Bit Addressable Latch	20-SOIC	2.70	2.16	1.68
TPIC6259N	296-9001-5-ND	Power 8-Bit Addressable Latch	20-Dip	2.70	2.16	1.68
TPIC6273DW	296-9002-5-ND	Power Octal D-Type Latch	20-SOIC	2.70	2.16	1.68
TPIC6273N	296-1953-5-ND	Power Octal D-Type Latch	20-Dip	2.70	2.16	1.68
TPIC6595DW	296-1349-5-ND	Power 8-Bit Shift Register	20-SOIC	2.41	1.93	1.50
TPIC6595DWR	296-1349-1-ND	Power 8-Bit Shift Register	20-SOIC	2.50	2.00	1.56
TPIC6595DWR	296-1349-2-ND	Power 8-Bit Shift Register	20-SOIC		2830.00/2,000	
TPIC6595N	296-1954-5-ND	Power 8-Bit Shift Register	20-Dip	2.50	2.00	1.56
TPIC6596DW	296-9003-5-ND	Power 8-Bit Shift Register	20-SOIC	2.41	1.93	1.50
TPIC9201N	296-19606-5-ND	Microcontroller Power Supply and Multiple Low Side Driver	20-Dip	1.44	1.20	.96

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
PGA309AIPWT	296-16726-1-ND	Smart Programmable Sensor	16-TSSOP	6.50	5.20	4.39
PGA309AIPWT	296-16726-2-ND	Smart Programmable Sensor	16-TSSOP		1066.25/250	
PGA309EVM-EU	296-18515-ND	Evaluation Module for PGA309-EU		254.96	—	—
PGA309EVM-US	296-18516-ND	Evaluation Module for PGA309-US		254.96	—	—
TL851CDR	296-18895-1-ND	Sonar Ranging Control	16-SOIC	4.32	3.46	2.69
TL851CDR	296-18895-2-ND	Sonar Ranging Control	16-SOIC		6047.50/2,500	
TL851CN	296-18896-5-ND	Sonar Ranging Control	16-Dip	4.32	3.46	2.69
TL852CDR	296-17139-1-ND	Sonar Ranging Receiver	16-SOIC	4.32	3.46	2.69
TL852CDR	296-17139-2-ND	Sonar Ranging Receiver	16-SOIC		6047.50/2,500	
TL852CN	296-19330-5-ND	Sonar Ranging Receiver	16-Dip	4.32	3.46	2.69
TPIC8101DWR	296-15132-1-ND	Knock Sensor Interface	20-SOIC	5.58	4.47	3.48
TPIC8101DWR	296-15132-2-ND	Knock Sensor Interface	20-SOIC		8324.00/2,000	
UC2950T	296-13022-5-ND	Half-Bridge Bipolar Switch	TO-220-5	5.50	4.48	3.78
UC3717AN	296-11258-5-ND	Stepper Motor Drive Circuit	16-Dip	6.60	5.28	4.46
UC3770AN	296-13259-5-ND	HP Stepper Motor Drive Circuit	16-Dip	5.56	4.45	3.46
UC3770BN	296-11260-5-ND	HP Stepper Motor Drive Circuit	16-Dip	5.04	4.04	3.41
UC3871DW	296-11326-5-ND	Resonant Fluorescent Lamp Driver	18-SOIC	8.00	6.40	5.40
UC3871N	296-11327-5-ND	Resonant Fluorescent Lamp Driver	18-Dip	8.00	6.40	5.40
UC3872DW	296-11328-5-ND	Resonant Lamp Ballast Controller	16-SOIC	6.00	4.80	4.05
UC3872M	296-11329-5-ND	Resonant Lamp Ballast Controller	16-HTSSOP	6.00	4.80	4.05
UC3872N	296-11330-5-ND	Resonant Lamp Ballast Controller	20-Dip	6.00	4.80	4.05
UCC2302DW	296-13023-5-ND	HID Lamp Controller	28-SOIC	9.83	8.85	7.85
UCC2305N	296-13633-5-ND	HID Lamp Controller	28-Dip	11.41	10.28	9.12
UCC3974PW	296-12405-5-ND	Dual Cold Cathode Fluorescent Lamp Controller	16-TSSOP	7.43	5.94	4.62
UCC3977PW	296-12615-5-ND	Dual Transformer Controller	8-TSSOP	2.25	1.80	1.40

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Audio Differential Line Drivers						
DRV134PA	DRV134PA-ND	Audio Balanced Line Driver with Differential Output	8-Dip	4.39	3.51	2.73
DRV134UA	DRV134UA-ND	Audio Balanced Line Driver with Differential Output	16-SOIC	4.39	3.51	2.73
DRV135UA	DRV135UA-ND	Audio Balanced Line Driver with Differential Output	8-SOIC	4.39	3.51	2.73

(Continued)

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T. I. rt No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		Buck Regulators				
S40004DGQ	296-15715-5-ND	Low-Input, Voltage Mode Synchronous Buck Controller	10-MSOP	2.30	1.84	1.43
S40005DGQ	296-15716-5-ND	Low-Input, Voltage Mode Synchronous Buck Controller	10-MSOP	2.48	1.98	1.49
S40007DGQ	296-17067-ND	Low-Input, High-Efficiency, Sync. Buck Controller	10-MSOP	2.70	2.16	1.68
S40007EVM-001	296-18949-ND	Evaluation Module for TPS40007-001	—	62.78	—	—
S40009DGQ	296-17068-ND	Low-Input, High-Efficiency, Sync. Buck Controller	10-MSOP	3.96	2.97	2.23
S40009EVM-001	296-18950-ND	Evaluation Module for TPS40009-001	—	62.78	—	—
S40020PWP	296-16713-ND	Low-Input, Voltage Mode, Sync. Buck Controller	16-HTSSOP	2.59	2.07	1.61
S40021PWP	296-16714-ND	Low-Input, Voltage Mode, Sync. Buck Controller	16-HTSSOP	2.59	2.07	1.61
S40021EVM-001	296-18951-ND	Evaluation Module for TPS40021-001	—	62.78	—	—
S40050PWP	296-15042-5-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.15	2.52	1.96
S40050QPWPRQ1	296-16963-1-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.71	2.97	2.31
S40050QPWPRQ1	296-16963-2-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP		4208.00/2,000	
S40051PWP	296-15043-5-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.15	2.52	1.96
S40051QPWPRQ1	296-16964-1-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.71	2.97	2.31
S40051QPWPRQ1	296-16964-2-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP		4208.00/2,000	
S40053PWP	296-15044-5-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.15	2.52	1.96
S40054PWP	296-18952-5-ND	Wide-Input, Sync. Buck Controller	16-HTSSOP	3.04	2.43	1.89
S40055EVM-001	296-18953-ND	Evaluation Module for TPS40055-001	—	62.78	—	—
S40055EVM-002	296-18954-ND	Evaluation Module for TPS40055-002	—	62.78	—	—
S40055PWP	296-17510-ND	Wide-Input Sync. Buck Controller	16-HTSSOP	3.04	2.43	1.89
S40056PWP	296-19709-ND	Wide-Input Sync. Tracking Buck Controller ***NEW!***	16-HTSSOP	3.04	2.43	1.89
S40057PWP	296-17235-ND	Wide-Input Sync. Buck Controller	16-HTSSOP	3.04	2.43	1.89
S40060EVM	296-18955-ND	Evaluation Module for TPS40060	—	62.78	—	—
S40060PWP	296-14389-ND	Wide-Input Sync. Buck Controller	16-HTSSOP	3.15	2.52	1.96
S40061PWP	296-14390-ND	Wide-Input Sync. Buck Controller	16-HTSSOP	3.15	2.52	1.96
S40070PWP	296-16773-ND	Sync. Buck Controller	16-HTSSOP	3.04	2.43	1.89
S40071EVM-001	296-18956-ND	Evaluation Module for TPS40071-001	—	62.78	—	—
S40071PWP	296-16774-ND	Sync. Buck Controller	16-HTSSOP	3.04	2.43	1.89
S40074EVM001	296-18726-ND	Evaluation Module For TPS40074	—	62.78	—	—
S40074PHLR	296-18670-1-ND	Midrange Input Sync. Buck Controller	20-QFN	3.04	2.43	1.89
S40074RHLR	296-18670-2-ND	Midrange Input Sync. Buck Controller	20-QFN		5103.00/3,000	
S40075RHLT	296-19886-1-ND	Midrange Input Sync. Buck Controller ***NEW!***	20-QFN	3.04	2.43	1.89
S40075RHLT	296-19886-2-ND	Midrange Input Sync. Buck Controller ***NEW!***	20-QFN		449.00/250	
S40090RHDR	296-19887-1-ND	2, 3, or 4-Phase Prog. Sync. Buck Controller ***NEW!***	28-QFN	4.28	3.42	2.66
S40090RHDR	296-19887-2-ND	2, 3, or 4-Phase Prog. Sync. Buck Controller ***NEW!***	28-QFN		7182.00/3,000	
S40091PW	296-17212-5-ND	Tri-State 2, 3, or 4-Phase Prog. Sync. Buck Controller	24-TSSOP	4.28	3.42	2.66
S40091RHDR	296-19888-1-ND	Tri-State 2, 3, or 4-Phase Prog. Sync. Buck Controller ***NEW!***	28-QFN	4.28	3.42	2.66
S40091RHDR	296-19888-2-ND	Tri-State 2, 3, or 4-Phase Prog. Sync. Buck Controller ***NEW!***	28-QFN		7182.00/3,000	
S40100RGET	296-18077-1-ND	Mid-Range Input Sync. Buck Controller	24-QFN	3.60	2.88	2.24
S40100RGET	296-18077-2-ND	Mid-Range Input Sync. Buck Controller	24-QFN		532.00/250	
S40130DBT	296-17348-ND	2-Phase Sync. Buck Controller	30-TSSOP	2.93	2.34	1.82
S40130EVM-001	296-17491-ND	Evaluation Module for TPS40130	—	62.78	—	—
S40130RHBR	296-19360-1-ND	2-Phase Sync. Buck Controller	32-QFN	2.93	2.34	1.82
S40130RHBR	296-19360-2-ND	2-Phase Sync. Buck Controller	32-QFN		4914.00/3,000	
S40130RHBT	296-18727-1-ND	2-Phase Sync. Buck Controller	32-QFN	3.26	2.61	2.03
S40130RHBT	296-18727-2-ND	2-Phase Sync. Buck Controller	32-QFN		482.25/250	
S40190DRCR	296-18340-1-ND	Sync. Buck Controller	10-SON	2.48	1.98	1.49
S40190DRCR	296-18340-2-ND	Sync. Buck Controller	10-SON		3801.00/3,000	
S40190EVM-001	296-19477-ND	Eval. Module for TPS40190-001	—	62.78	—	—
S40222DRPT	296-19361-1-ND	1.6A, 1.25MHz Buck Converter	6-SON	2.00	1.60	1.20
S40222DRPT	296-19361-2-ND	1.6A, 1.25MHz Buck Converter	6-SON		280.00/250	
S51100DGQ	296-17851-5-ND	3A Sink/Source DDR Termination Regulator	10-MSOP	2.00	1.60	1.20
S51100EVM-001	296-17268-ND	Evaluation Module for TPS51100	—	62.78	—	—
S51116EVM-001	296-18959-ND	Evaluation Module for TPS51116-001	—	62.78	—	—
S51116PWP	296-17243-ND	Sync. Buck Controller	20-HTSSOP	2.70	2.16	1.68
S51116RGE	296-18584-5-ND	Complete DDR/DDR2 Memory Power Solution Sync. Buck Controller	24-QFN	2.70	2.16	1.68
S51116RGET	296-18638-1-ND	Complete DDR/DDR2 Memory Power Solution Sync. Buck Controller	24-PQFP	3.04	2.43	1.89
S51116RGET	296-18638-2-ND	Complete DDR/DDR2 Memory Power Solution Sync. Buck Controller	24-PQFP		449.00/250	
S51117RGYR	296-19889-1-ND	Single Sync. Buck Step-Down Controller ***NEW!***	14-QFN	2.70	2.16	1.68
S51117RGYR	296-19889-2-ND	Single Sync. Buck Step-Down Controller ***NEW!***	14-QFN		1530.00/1,000	
S54010PWP	296-17288-5-ND	14A Output Sync. Buck PWM Switcher	28-TSSOP	8.83	7.95	7.05
S54110PWP	296-17086-ND	3V to 6V Input, 1.5A Sync. Buck PWM Switcher	20-HTSSOP	4.50	3.60	2.80
S54310EVM	296-13574-ND	Evaluation Module for TPS54310 ***NEW!***	—	14.23	—	—
S54310PWP	296-12509-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54311PWP	296-12679-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54312PWP	296-12680-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54313PWP	296-12681-5-ND	Sync. Buck PWM Coiverter	20-HTSSOP	5.29	4.23	3.29
S54314EVM	296-13575-ND	Evaluation Module for TPS54314 ***NEW!***	—	14.23	—	—
S54314PWP	296-12682-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54315PWP	296-12683-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54316PWP	296-12684-5-ND	Sync. Buck PWM Converter	20-HTSSOP	5.29	4.23	3.29
S54350MPWPREP	296-18527-1-ND	4.5V to 20V Input, 3A Output Sync. PWM Switcher	16-HTSSOP	8.20	6.56	5.54
S54350MPWPREP	296-19527-2-ND	4.5V to 20V Input, 3A Output Sync. PWM Switcher	16-HTSSOP		10250.00/2,000	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TPS54352PWP	296-17069-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54353PWP	296-17070-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54354PWP	296-17071-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54355PWP	296-17072-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54356EVM-058	296-18963-ND	Evaluation Module for TPS54356-058	—	14.23	—	—
TPS54356PWP	296-17073-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54357PWP	296-17074-ND	4.5V to 20V Input, 3A Output, Sync. PWM Converter	16-HTSSOP	4.61	3.69	2.87
TPS54373EVM-237	296-18964-ND	Evaluation Module for TPS54373-237	—	14.23	—	—
TPS54373PWP	296-14327-5-ND	3A Sync. Buck Switcher	20-HTSSOP	5.29	4.23	3.29
TPS54380EVM-001	296-18965-ND	Evaluation Module for TPS54380-001	—	14.23	—	—
TPS54380PWP	296-14391-ND	3A Sync. Buck PWM Switcher	20-HTSSOP	5.29	4.23	3.29
TPS54610EVM-192	296-13576-ND	Evaluation Module for TPS54610 ***NEW!***	—	14.23	—	—
TPS54610EVM-213	296-20596-ND	Evaluation Module for TPS54610 ***NEW!***	—	14.23	—	—
TPS54610MPWPREP	296-19433-1-ND	3V to 6V Input, 6A Output Fselfronous Buck PWM Switcher	28-HTSSOP	12.56	11.31	10.03
TPS54610MPWPREP	296-19433-2-ND	3V to 6V Input, 6A Output Fselfronous Buck PWM Switcher	28-HTSSOP		18624.00/2,000	
TPS54613MPWPREP	296-19528-1-ND	3V to 6V Input, 6A Output Sync. Buck PWM Switcher	28-HTSSOP	12.56	11.31	10.03
TPS54613MPWPREP	296-19528-2-ND	3V to 6V Input, 6A Output Sync. Buck PWM Switcher	28-HTSSOP		18624.00/2,000	
TPS54615MPWPREP	296-19529-1-ND	3V to 6V Input, 6A Output Sync. Buck PWM Switcher	28-HTSSOP	12.56	11.31	10.03
TPS54615MPWPREP	296-19529-2-ND	3V to 6V Input, 6A Output Sync. Buck PWM Switcher	28-HTSSOP		18624.00/2,000	
TPS54673EVM	296-20598-ND	Evaluation Module for TPS54673 ***NEW!***	—	14.23	—	—
TPS54673PWP	296-13828-5-ND	3V to 6V Input, 6A Sync. Buck Switcher	28-HTSSOP	6.70	5.36	4.53
TPS54680EVM	296-20599-ND	Evaluation Module for TPS54680 ***NEW!***	—	62.78	—	—
TPS54680PWP	296-13829-5-ND	3V to 6V Input, 6A Sync. Buck PWM Switcher (Swift™)	28-HTSSOP	6.70	5.36	4.53
TPS54680QPWPREP	296-18153-1-ND	3V to 6V Input, 6A Sync. Buck PWM Switcher (Swift™)	28-HTSSOP	15.41	13.88	12.31
TPS54680QPWPREP	296-18153-2-ND	3V to 6V Input, 6A Sync. Buck PWM Switcher (Swift™)	28-HTSSOP		22848.00/2,000	
TPS54810EVM-213	296-20600-ND	Evaluation Module for TPS54810 ***NEW!***	—	14.23	—	—
TPS54810PWP	296-12715-5-ND	Sync. Buck PWM Converter	28-HTSSOP	7.90	6.32	5.34
TPS54873EVM	296-20602-ND	Evaluation Module for TPS54873 ***NEW!***	—	14.23	—	—
TPS54873PWP	296-13830-5-ND	4V to 6V Input, 8A Sync. Buck Switcher	28-HTSSOP	7.90	6.32	5.34
TPS54880EVM	296-20603-ND	Evaluation Module for TPS54880 ***NEW!***	—	62.78	—	—
TPS54880PWP	296-13831-5-ND	4V to 6V Input, 8A Sync. Buck PWM Switcher (Swift™)	28-HTSSOP	7.90	6.32	5.34
TPS54973EVM-017	296-18966-ND	Evaluation Module for TPS54973-017	—	14.23	—	—
TPS54973PWP	296-14414-5-ND	9A Sync. Buck Switcher	28-HTSSOP	8.40	6.72	5.67
TPS54980EVM-022	296-18967-ND	Evaluation Module for TPS54980-022	—	14.23	—	—
TPS54980PWP	296-14415-5-ND	9A Sync. Buck PWM Switcher	28-HTSSOP	8.40	6.72	5.67
TPS60240DGKR	296-12510-1-ND	3.3V Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP	2.59	2.07	1.61
TPS60240DGKR	296-12510-2-ND	3.3V Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP		3622.50/2,500	
TPS60241DGKT	296-12241-1-ND	Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP	2.81	2.25	1.75
TPS60241DGKT	296-12241-2-ND	Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP		415.75/250	
TPS60241EVM-194	296-13579-ND	Evaluation Module for TPS60241 ***NEW!***	—	62.78	—	—
TPS60242DGKT	296-12511-5-ND	2.7V Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP	2.81	2.25	1.75
TPS60243DGKT	296-12512-5-ND	3V Zero-Ripple Switched Cap Buck-Boost Converter	8-MSOP	2.81	2.25	1.75
TPS62100D	296-10976-5-ND	Adjustable Sync. Buck Converter	8-SOP	4.28	3.42	2.66
TPS62101D	296-10977-5-ND	Adjustable Sync. Buck Converter	8-SOP	4.28	3.42	2.66
TPS62102D	296-10978-5-ND	Adjustable Sync. Buck Converter	8-SOP	4.28	3.42	2.66
TPS62102EVM	296-13589-ND	Evaluation Module for TPS62102 ***NEW!***	—	62.78	—	—
TPS62103D	296-10979-5-ND	Adjustable Sync. Buck Converter	8-SOP	4.28	3.42	2.66
TPS63000DRCR	296-19641-1-ND	Adj. Single Inductor Buck Boost Converter ***NEW!***	10-QFN	5.50	4.40	3.72
TPS63000DRCR	296-19641-2-ND	Adj. Single Inductor Buck Boost Converter ***NEW!***	10-QFN		10230.00/3,000	
TPS63000EVM-148	296-19642-ND	Evaluation Module for TPS63000 ***NEW!***	—	62.78	—	—
TPS63001DRCR	296-19643-1-ND	3.3V Single Inductor Buck Boost Converter ***NEW!***	10-QFN	5.50	4.40	3.72
TPS63001DRCR	296-19643-2-ND	3.3V Single Inductor Buck Boost Converter ***NEW!***	10-QFN		10230.00/3,000	
TPS63002DRCR	296-19644-1-ND	5V Single Inductor Buck Boost Converter ***NEW!***	10-QFN	5.50	4.40	3.72
TPS63002DRCR	296-19644-2-ND	5V Single Inductor Buck Boost Converter ***NEW!***	10-QFN		10230.00/3,000	
UCC2541PWP	296-19371-ND	High Efficiency Sync. Buck PWM Controller	20-HTSSOP	3.26	2.61	2.03
UCC2541RHBR	296-19372-1-ND	High Efficiency Sync. Buck PWM Controller	32-QFN	3.26	2.61	2.03
UCC2541RHBR	296-19372-2-ND	High Efficiency Sync. Buck PWM Controller	32-QFN		5481.00/3,000	
UCC3585D	296-11448-5-ND	Low Voltage Buck Controller	16-SOIC	2.93	2.34	1.82
UCC3585EVM-014	296-11449-ND	Evaluation Module for UCC3585 ***NEW!***	—	62.78	—	—
UCC3585M	296-11450-5-ND	Low Voltage Buck Controller	16-SOP	2.93	2.34	1.82
UCC3585N	296-11451-5-ND	Low Voltage Buck Controller	16-Dip	2.93	2.34	1.82
UCC27221PWP	296-14216-5-ND	Predictive Sync. Buck Driver	14-HTSSOP	3.04	2.43	1.89
UCC27222PWP	296-14217-5-ND	Predictive Sync. Buck Driver	14-HTSSOP	3.04	2.43	1.89
UCC27223PWP	296-19035-5-ND	Predictive Sync. Buck Driver	14-HTSSOP	3.49	2.79	2.17

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Microprocessor Supervisory Circuit Drivers						
TPS3801I50DCKR	296-3325-2-ND	4.55V Supply Monitor	SOT-323-5			1560.00/3,000
TPS3801J25DCKR	296-3326-1-ND	2.25V Supply Monitor	SOT-323-5	1.47	1.23	.98
TPS3801J25DCKR	296-3326-2-ND	2.25V Supply Monitor	SOT-323-5			1560.00/3,000
TPS3801K33DCKR	296-3327-1-ND	2.93V Supply Monitor	SOT-323-5	1.47	1.23	.98
TPS3801K33DCKR	296-3327-2-ND	2.93V Supply Monitor	SOT-323-5			1560.00/3,000
TPS3801L30DCKR	296-3328-1-ND	2.64V Supply Monitor	SOT-323-5	1.47	1.23	.98
TPS3801L30DCKR	296-3328-2-ND	2.64V Supply Monitor	SOT-323-5			1560.00/3,000
TPS3801T50DCKR	296-12385-1-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5	1.47	1.23	.98
TPS3801T50DCKR	296-12385-2-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5			1560.00/3,000
TPS3802K33DCKR	296-12386-1-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5	1.47	1.23	.98
TPS3802K33DCKR	296-12386-2-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5			1560.00/3,000
TPS3802L30DCKR	296-13514-1-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5	1.47	1.23	.98
TPS3802L30DCKR	296-13514-2-ND	Ultra-Small Supply Voltage Supervisor	SOT-323-5			1560.00/3,000
TPS3803-01DCKR	296-13405-1-ND	Adj./1.5V Voltage Detector	SC70-5	.96	.72	.54
TPS3803-01DCKR	296-13405-2-ND	Adj./1.5V Voltage Detector	SC70-5			819.00/3,000
TPS3803-01MDCKREP	296-18151-1-ND	Adj./1.5V Voltage Detector	SC70-5	1.88	1.50	1.13
TPS3803-01MDCKREP	296-18151-2-ND	Adj./1.5V Voltage Detector	SC70-5			2880.00/3,000
TPS3803-01QDCKRQ1	296-16960-1-ND	Adj./1.5V Voltage Detector	SC70-5	.87	.73	.58
TPS3803-01QDCKRQ1	296-16960-2-ND	Adj./1.5V Voltage Detector	SC70-5			936.00/3,000
TPS3803G15DCKR	296-13406-1-ND	Adj./1.5V Voltage Detector	SC70-5	.96	.72	.54
TPS3803G15DCKR	296-13406-2-ND	Adj./1.5V Voltage Detector	SC70-5			819.00/3,000
TPS3803G15MDCKREP	296-19525-1-ND	Adj./1.5V Voltage Detector	SC70-5	1.88	1.50	1.13
TPS3803G15MDCKREP	296-19525-2-ND	Adj./1.5V Voltage Detector	SC70-5			2880.00/3,000
TPS3803G15QDCKREP	296-19526-1-ND	Adj./1.5V Voltage Detector	SC70-5	1.45	1.16	.87
TPS3803G15QDCKREP	296-19526-2-ND	Adj./1.5V Voltage Detector	SC70-5			2226.00/3,000
TPS3803G15QDCKRQ1	296-16961-1-ND	Adj./1.5V Voltage Detector	SC70-5	.87	.73	.58
TPS3803G15QDCKRQ1	296-16961-2-ND	Adj./1.5V Voltage Detector	SC70-5			936.00/3,000
TPS3805H33DCKR	296-13407-1-ND	Dual, Adj./3.3V Voltage Detector	SC70-5	.87	.73	.58
TPS3805H33DCKR	296-13407-2-ND	Dual, Adj./3.3V Voltage Detector	SC70-5			1131.00/3,000
TPS3805H33QDCKRQ1	296-16962-1-ND	Dual, Adj./3.3V Voltage Detector	SC70-5	1.02	.85	.68
TPS3805H33QDCKRQ1	296-16962-2-ND	Dual, Adj./3.3V Voltage Detector	SC70-5			1326.00/3,000
TPS3806I33DBVR	296-12011-1-ND	Dual Voltage Detector with Adjustable Hysteresis	SOT-23-6	1.50	1.20	.90
TPS3806I33DBVR	296-12011-2-ND	Dual Voltage Detector with Adjustable Hysteresis	SOT-23-6			1755.00/3,000
TPS3806J20DBVR	296-12012-1-ND	Dual Voltage Detector with Adjustable Hysteresis	SOT-23-6	1.50	1.20	.90
TPS3806J20DBVR	296-12012-2-ND	Dual Voltage Detector with Adjustable Hysteresis	SOT-23-6			1755.00/3,000
TPS3807A30DCKT	296-18602-1-ND	3V, Low Quiescent Current, Dual Channel Supervisory Circuit	SC70-5	2.36	1.89	1.47
TPS3807A30DCKT	296-18602-2-ND	3V, Low Quiescent Current, Dual Channel Supervisory Circuit	SC70-5			349.25/250
TPS3808G01DBVR	296-17188-1-ND	Adj. Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G01DBVR	296-17188-2-ND	Adj. Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G09DBVR	296-17189-1-ND	0.9V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G09DBVR	296-17189-2-ND	0.9V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G12DBVR	296-17190-1-ND	1.2V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G12DBVR	296-17190-2-ND	1.2V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G12DRVT	296-19294-1-ND	1.2V Voltage Supervisor	6-QFN	2.38	1.90	1.43
TPS3808G12DRVT	296-19294-2-ND	1.2V Voltage Supervisor	6-QFN			332.50/250
TPS3808G15DBVR	296-17191-1-ND	1.5V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G15DBVR	296-17191-2-ND	1.5V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G15DRVR	296-19708-1-ND	1.5V Voltage Supervisor ***NEW!***	6-SON	2.13	1.70	1.28
TPS3808G15DRVR	296-19708-2-ND	1.5V Voltage Supervisor ***NEW!***	6-SON			3264.00/3,000
TPS3808G18DBVR	296-17192-1-ND	1.8V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G18DBVR	296-17192-2-ND	1.8V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G25DBVR	296-17193-1-ND	2.5V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G25DBVR	296-17193-2-ND	2.5V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G30DBVR	296-17194-1-ND	3.0V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G30DBVR	296-17194-2-ND	3.0V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G33DBVR	296-17195-1-ND	3.3V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G33DBVR	296-17195-2-ND	3.3V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3808G50DBVR	296-17196-1-ND	5.0V Voltage Supervisor	SOT-23	1.75	1.40	1.05
TPS3808G50DBVR	296-17196-2-ND	5.0V Voltage Supervisor	SOT-23			2688.00/3,000
TPS3809I50DBVR	296-10914-1-ND	4.55V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809I50DBVR	296-10914-2-ND	4.55V Supply Voltage Supervisor	SOT-23			819.00/3,000
TPS3809I50DBVT	296-2629-1-ND	4.55V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809I50DBVT	296-2629-2-ND	4.55V Supply Voltage Supervisor	SOT-23			99.50/250
TPS3809I50QDBVRQ1	296-15642-1-ND	4.55V Supply Voltage Supervisor	SOT-23	.87	.73	.58
TPS3809I50QDBVRQ1	296-15642-2-ND	4.55V Supply Voltage Supervisor	SOT-23			936.00/3,000
TPS3809J25DBVR	296-10915-1-ND	2.25V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809J25DBVR	296-10915-2-ND	2.25V Supply Voltage Supervisor	SOT-23			819.00/3,000
TPS3809J25DBVT	296-2630-1-ND	2.25V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809J25DBVT	296-2630-2-ND	2.25V Supply Voltage Supervisor	SOT-23			99.50/250
TPS3809J25QDBVRQ1	296-15643-1-ND	2.25V Supply Voltage Supervisor	SOT-23	.87	.73	.58
TPS3809J25QDBVRQ1	296-15643-2-ND	2.25V Supply Voltage Supervisor	SOT-23			936.00/3,000
TPS3809K33DBVR	296-10916-1-ND	2.93V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809K33DBVR	296-10916-2-ND	2.93V Supply Voltage Supervisor	SOT-23			819.00/3,000
TPS3809K33DBVT	296-2631-1-ND	2.93V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809K33DBVT	296-2631-2-ND	2.93V Supply Voltage Supervisor	SOT-23			99.50/250
TPS3809K33QDBVRQ1	296-15644-1-ND	2.93V Supply Voltage Supervisor	SOT-23	.87	.73	.58
TPS3809K33QDBVRQ1	296-15644-2-ND	2.93V Supply Voltage Supervisor	SOT-23			936.00/3,000
TPS3809L30DBVR	296-10917-1-ND	2.64V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809L30DBVR	296-10917-2-ND	2.64V Supply Voltage Supervisor	SOT-23			819.00/3,000
TPS3809L30DBVT	296-2632-1-ND	2.64V Supply Voltage Supervisor	SOT-23	.96	.72	.54
TPS3809L30DBVT	296-2632-2-ND	2.64V Supply Voltage Supervisor	SOT-23			99.50/250
TPS3809L30QDBVRQ1	296-15645-1-ND	2.64V Supply Voltage Supervisor	SOT-23	.87	.73	.58
TPS3809L30QDBVRQ1	296-15645-2-ND	2.64V Supply Voltage Supervisor	SOT-23			936.00/3,000
TPS3813I50DBVT	296-10918-1-ND	5V Supervisor with Programmable Watchdog Window	SOT-23-6	2.25	1.80	1.40
TPS3813I50DBVR	296-10918-2-ND	5V Supervisor with Programmable Watchdog Window	SOT-23-6			332.50/250
TPS3813J25DBVT	296-10919-1-ND	2.5V Supervisor with Programmable Watchdog Window	SOT-23-6	2.25	1.80	1.40
TPS3813J25DBVR	296-10919-2-ND	2.5V Supervisor with Programmable Watchdog Window	SOT-23-6			332.50/250
TPS3813K33DBVT	296-10920-1-ND	3.3V Supervisor with Programmable Watchdog Window	SOT-23-6	2.25	1.80	1.40
TPS3813K33DBVR	296-10920-2-ND	3.3V Supervisor with Programmable Watchdog Window	SOT-23-6			332.50/250
TPS3813L30DBVT	296-10921-1-ND	3.0V Supervisor with Programmable Watchdog Window	SOT-23-6	2.25	1.80	1.40
TPS3813L30DBVT	296-10921-2-ND	3.0V Supervisor with Programmable Watchdog Window	SOT-23-6			332.50/250
TPS3820-33DBVT	296-2633-1-ND	2.93V Supply Monitor	SOT-23-5	1.48	1.18	.9
TPS3820-33DBVT	296-2633-2-ND	2.93V Supply Monitor	SOT-23-5			206.50/250
TPS3820-33QDBVRQ1	296-15646-1-ND	2.93V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3820-33QDBVRQ1	296-15646-2-ND	2.93V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3820-50DBVRQ1G4	296-19885-1-ND	4.55V Supply Monitor ***NEW!***	SOT-23-5	1.58	1.26	.9
TPS3820-50DBVRQ1G4	296-19885-2-ND	4.55V Supply Monitor ***NEW!***	SOT-23-5			2418.00/3,000
TPS3820-50DBVT	296-2635-1-ND	4.55V Supply Monitor	SOT-23-5	1.48	1.18	.8
TPS3820-50DBVT	296-2635-2-ND	4.55V Supply Monitor	SOT-23-5			206.50/250
TPS3820-50QDBVRQ1	296-15647-1-ND	4.55V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3820-50QDBVRQ1	296-15647-2-ND	4.55V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3823-25DBVR	296-3333-1-ND	2.25V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3823-25DBVR	296-3333-2-ND	2.25V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3823-25QDBVRQ1	296-15648-1-ND	2.25V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3823-25QDBVRQ1	296-15648-2-ND	2.25V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3823-30DBVR	296-3334-1-ND	2.63V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3823-30DBVR	296-3334-2-ND	2.63V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3823-30QDBVRQ1	296-15649-1-ND	2.63V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3823-30QDBVRQ1	296-15649-2-ND	2.63V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3823-33DBVR	296-1357-1-ND	2.93V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3823-33DBVR	296-1357-2-ND	2.93V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3823-33QDBVRQ1	296-15650-1-ND	2.93V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3823-33QDBVRQ1	296-15650-2-ND	2.93V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3823-50DBVR	296-3335-1-ND	4.55V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3823-50DBVR	296-3335-2-ND	4.55V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3823-50DBVT	296-10922-1-ND	4.55V Supply Monitor	SOT-23-5	1.48	1.18	.8
TPS3823-50DBVT	296-10922-2-ND	4.55V Supply Monitor	SOT-23-5			206.50/250
TPS3823-50QDBVRQ1	296-15651-1-ND	4.55V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3823-50QDBVRQ1	296-15651-2-ND	4.55V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3824-25DBVR	296-3336-1-ND	2.25V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3824-25DBVR	296-3336-2-ND	2.25V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3824-25QDBVRQ1	296-15652-1-ND	2.25V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3824-25QDBVRQ1	296-15652-2-ND	2.25V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3824-30DBVR	296-3337-1-ND	2.63V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3824-30DBVR	296-3337-2-ND	2.63V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3824-30QDBVRQ1	296-15653-1-ND	2.63V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3824-30QDBVRQ1	296-15653-2-ND	2.63V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3824-33DBVR	296-3338-1-ND	2.93V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3824-33DBVR	296-3338-2-ND	2.93V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3824-33QDBVRQ1	296-15654-1-ND	2.93V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3824-33QDBVRQ1	296-15654-2-ND	2.93V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3824-50DBVR	296-1358-1-ND	4.55V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3824-50DBVR	296-1358-2-ND	4.55V Supply Monitor	SOT-23-5			2112.00/3,000
TPS3824-50QDBVRQ1	296-15655-1-ND	4.55V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3824-50QDBVRQ1	296-15655-2-ND	4.55V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3825-33DBVT	296-2636-1-ND	2.93V Supply Monitor	SOT-23-5	1.65	1.38	1.1
TPS3825-33DBVT	296-2636-2-ND	2.93V Supply Monitor	SOT-23-5			192.50/250
TPS3825-33QDBVRQ1	296-15656-1-ND	2.93V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3825-33QDBVRQ1	296-15656-2-ND	2.93V Supply Monitor	SOT-23-5			2145.00/3,000
TPS3825-50DBVT	296-2637-1-ND	4.55V Supply Monitor	SOT-23-5	1.65	1.38	1.1
TPS3825-50DBVT	296-2637-2-ND	4.55V Supply Monitor	SOT-23-5			192.50/250
TPS3825-50QDBVRQ1	296-15657-1-ND	4.55V Supply Monitor	SOT-23-5	1.38	1.10	.8
TPS3825-50QDBVRQ1	296-15657-2-ND	4.55V Supply Monitor	SOT-23-5			2145.00/3,000
TPS3828-33DBVT	296-2638-1-ND	2.93V Supply Monitor	SOT-23-5	1.48	1.18	.8
TPS3828-33DBVT	296-2638-2-ND	2.93V Supply Monitor	SOT-23-5			206.50/250
TPS3828-33QDBVRQ1	296-15658-1-ND	2.93V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3828-33QDBVRQ1	296-15658-2-ND	2.93V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3828-50DBVT	296-2639-1-ND	4.55V Supply Monitor	SOT-23-5	1.48	1.18	.8
TPS3828-50DBVT	296-2639-2-ND	4.55V Supply Monitor	SOT-23-5			206.50/250
TPS3828-50QDBVRQ1	296-15659-1-ND	4.55V Supply Monitor	SOT-23-5	1.58	1.26	.9
TPS3828-50QDBVRQ1	296-15659-2-ND	4.55V Supply Monitor	SOT-23-5			2457.00/3,000
TPS3836E18DBVT	296-3339-1-ND	1.71V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3836E18DBVT	296-3339-2-ND	1.71V Low Current Monitor	SOT-23-5			332.50/250
TPS3836E18QDBVRQ1	296-15660-1-ND	1.71V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3836E18QDBVRQ1	296-15660-2-ND	1.71V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3836H30DBVT	296-13003-1-ND	2.79V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3836H30DBVT	296-13003-2-ND	2.79V Low Current Monitor	SOT-23-5			332.50/250
TPS3836H30QDBVRQ1	296-15661-1-ND	2.79V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3836H30QDBVRQ1	296-15661-2-ND	2.79V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3836J25DBVT	296-3340-1-ND	2.25V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3836J25DBVT	296-3340-2-ND	2.25V Low Current Monitor	SOT-23-5			332.50/250
TPS3836J25QDBVRQ1	296-15662-1-ND	2.25V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3836J25QDBVRQ1	296-15662-2-ND	2.25V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3836K33DBVT	296-3341-1-ND	2.93V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3836K33DBVT	296-3341-2-ND	2.93V Low Current Monitor	SOT-23-5			332.50/250
TPS3836K33QDBVRQ1	296-15663-1-ND	2.93V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3836K33QDBVRQ1	296-15663-2-ND	2.93V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3836L30DBVT	296-3342-1-ND	2.64V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3836L30DBVT	296-3342-2-ND	2.64V Low Current Monitor	SOT-23-5			332.50/250
TPS3836L30QDBVRQ1	296-15664-1-ND	2.64V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3836L30QDBVRQ1	296-15664-2-ND	2.64V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3837E18DBVT	296-3343-1-ND	1.71V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3837E18DBVT	296-3343-2-ND	1.71V Low Current Monitor	SOT-23-5			332.50/250
TPS3837E18QDBVRQ1	296-15665-1-ND	1.71V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3837E18QDBVRQ1	296-15665-2-ND	1.71V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3837J25DBVT	296-3344-1-ND	2.25V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3837J25DBVT	296-3344-2-ND	2.25V Low Current Monitor	SOT-23-5			332.50/250
TPS3837J25QDBVRQ1	296-15666-1-ND	2.25V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3837J25QDBVRQ1	296-15666-2-ND	2.25V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3837K33DBVT	296-3345-1-ND	2.93V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3837K33DBVR	296-3345-2-ND	2.93V Low Current Monitor	SOT-23-5			332.50/250
TPS3837K33QDBVRQ1	296-15667-1-ND	2.93V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3837K33QDBVRQ1	296-15667-2-ND	2.93V Low Current Monitor	SOT-23-5			3900.00/3,000
TPS3837L30DBVT	296-3346-1-ND	2.64V Low Current Monitor	SOT-23-5	2.38	1.90	1.4
TPS3837L30DBVT	296-3346-2-ND	2.64V Low Current Monitor	SOT-23-5			332.50/250
TPS3837L30QDBVRQ1	296-15668-1-ND	2.64V Low Current Monitor	SOT-23-5	2.25	1.80	1.4
TPS3837L30QDBVRQ1	296-15668-2-ND	2.64V Low Current Monitor	SOT-23-5			3900.00/3,000

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PS3837L30QDBVRQ1	296-15668-2-ND	2.64V Low Current Monitor	SOT-23-5	3900.00/3,000		
PS3838E18DBVT	296-3347-1-ND	1.71V Low Current Monitor	SOT-23-5	2.38	1.90	1.43
PS3838E18DBVT	296-3347-2-ND	1.71V Low Current Monitor	SOT-23-5	332.50/250		
PS3838E18QDBVRQ1	296-15669-1-ND	1.71V Low Current Monitor	SOT-23-5	2.25	1.80	1.40
PS3838E18QDBVRQ1	296-15669-2-ND	1.71V Low Current Monitor	SOT-23-5	3900.00/3,000		
PS3838J25DBVT	296-3348-1-ND	2.25V Low Current Monitor	SOT-23-5	2.38	1.90	1.43
PS3838J25DBVT	296-3348-2-ND	2.25V Low Current Monitor	SOT-23-5	332.50/250		
PS3838K33DBVT	296-3349-1-ND	2.93V Low Current Monitor	SOT-23-5	2.38	1.90	1.43
PS3838K33DBVT	296-3349-2-ND	2.93V Low Current Monitor	SOT-23-5	332.50/250		
PS3838K33QDBVRQ1	296-15670-1-ND	2.93V Low Current Monitor	SOT-23-5	2.25	1.80	1.40
PS3838K33QDBVRQ1	296-15670-2-ND	2.93V Low Current Monitor	SOT-23-5	3900.00/3,000		
PS3838L30DBVT	296-3350-1-ND	2.64V Low Current Monitor	SOT-23-5	2.38	1.90	1.43
PS3838L30DBVT	296-3350-2-ND	2.64V Low Current Monitor	SOT-23-5	332.50/250		
PS3838L30QDBVRQ1	296-15671-1-ND	2.64V Low Current Monitor	SOT-23-5	2.25	1.80	1.40
PS3838L30QDBVRQ1	296-15671-2-ND	2.64V Low Current Monitor	SOT-23-5	3900.00/3,000		
C2543DW	296-3355-5-ND	2.5V Power Supply Monitor	16-SOIC	5.42	4.34	3.66
C2543N	296-3356-5-ND	2.5V Power Supply Monitor	16-Dip	5.42	4.34	3.66
C2903DW	296-2640-5-ND	Quad Voltage Supply Monitor	18-SOIC	5.51	4.41	3.43
C3543DW	296-3357-5-ND	2.5V Power Supply Monitor	16-SOIC	5.36	4.29	3.34
C3543N	296-3358-5-ND	2.5V Power Supply Monitor	16-Dip	5.36	4.29	3.34
C3544N	296-3359-5-ND	2.5V Power Supply Monitor	18-Dip	3.53	2.83	2.20
C3903DW	296-2642-5-ND	Quad Voltage Supply Monitor	18-SOIC	4.73	3.78	2.94
C3910D	296-2644-5-ND	4-Bit DAC and Voltage Monitor	16-SOIC	5.70	4.56	3.85
C3910N	296-2645-5-ND	4-Bit DAC and Voltage Monitor	16-Dip	5.70	4.56	3.85
C3943D	296-11350-5-ND	Precision Analog Controller	8-SOIC	5.51	4.41	3.43
C3943N	296-11351-5-ND	Precision Analog Controller	8-Dip	5.51	4.41	3.43
CC2946D	296-2645-5-ND	Microprocessor Supervisor with Watch Dog Timer	8-SOIC	3.15	2.52	1.96
CC3946D	296-2646-5-ND	Microprocessor Supervisor with Watch Dog Timer	8-SOIC	3.04	2.43	1.89
CC3946N	296-11547-5-ND	Microprocessor Supervisor with Watch Dog Timer	8-Dip	3.04	2.43	1.89

MOSFET / MOSFET Drivers

V75372D	296-3360-5-ND	Dual MOSFET Driver	8-SOIC	2.25	1.80	1.35
V75372DR	296-14958-1-ND	Dual MOSFET Driver	8-SOIC	2.25	1.80	1.35
V75372DR	296-14958-2-ND	Dual MOSFET Driver	8-SOIC	2680.00/2,500		
V75372P	296-3361-5-ND	Dual MOSFET Driver	8-Dip	2.25	1.80	1.35
V75374D	296-3362-5-ND	Quad MOSFET Driver	16-SOIC	2.48	1.98	1.54
PS1100D	296-3379-5-ND	P-Channel MOSFET, Rise Time 10nS	8-SOIC	1.41	1.18	.94
PS1100PWR	296-13383-1-ND	Single P-Channel Enhancement Mode MOSFETs	8-TSSOP	1.41	1.18	.94
PS1100PWR	296-13383-2-ND	Single P-Channel Enhancement Mode MOSFETs	8-TSSOP	1250.00/2,000		
PS1101D	296-3381-5-ND	P-Channel MOSFET, Rise Time 5.5nS	8-SOIC	1.88	1.50	1.13
PS1101PWR	296-13384-1-ND	Single P-Channel Enhancement Mode MOSFETs	16-TSSOP	1.88	1.50	1.13
PS1101PWR	296-13384-2-ND	Single P-Channel Enhancement Mode MOSFETs	16-TSSOP	1950.00/2,000		
PS1120D	296-1352-5-ND	Dual P-Channel MOSFET	8-SOIC	1.75	1.40	1.05
PS1120DR	296-1352-1-ND	Dual P-Channel MOSFET	8-SOIC	1.75	1.40	1.05
PS1120DR	296-1352-2-ND	Dual P-Channel MOSFET	8-SOIC	2240.00/2,500		
PS2811D	296-2385-5-ND	Dual 2A Invert MOSFET Driver	8-SOIC	2.15	1.72	1.29
PS2811P	296-3363-5-ND	Dual 2A High Speed Invert MOSFET Driver	8-Dip	2.15	1.72	1.29
PS2811PW	296-15640-5-ND	Dual 2A High Speed Invert MOSFET Driver	8-TSSOP	2.15	1.72	1.29
PS2812D	296-3364-5-ND	Dual 2A High Speed Non-Invert FET Driver	8-SOIC	2.15	1.72	1.29
PS2812P	296-3365-5-ND	Dual 2A High Speed Non-Invert FET Driver	8-Dip	2.15	1.72	1.29
PS2812PWR	296-15139-1-ND	Dual 2A High Speed Non-Invert FET Driver	8-TSSOP	2.15	1.72	1.29
PS2812PWR	296-15139-2-ND	Dual 2A High Speed Non-Invert FET Driver	8-TSSOP	2236.00/2,000		
PS2813D	296-1356-5-ND	Dual 2A High Speed Complementary MOSFET Driver	8-SOIC	2.15	1.72	1.29
PS2813DR	296-1356-1-ND	Dual 2A Complementary MOSFET Driver	8-SOIC	2.15	1.72	1.29
PS2813DR	296-1356-2-ND	Dual 2A Complementary MOSFET Driver	8-SOIC	2752.50/2,500		
PS2813P	296-2386-5-ND	Dual 2A Complementary MOSFET Driver	8-Dip	2.15	1.72	1.29
PS2813PWR	296-3367-1-ND	Dual 2A Complementary MOSFET Driver	8-TSSOP	2.15	1.72	1.29
PS2813PWR	296-3367-2-ND	Dual 2A Complementary MOSFET Driver	8-TSSOP	2236.00/2,000		
PS2814D	296-3368-5-ND	Dual 2A High Speed MOSFET Driver	8-SOIC	2.15	1.72	1.29
PS2814P	296-2387-5-ND	Dual 2A MOSFET Driver	8-Dip	2.15	1.72	1.29
PS2814PWR	296-3369-1-ND	Dual 2A MOSFET Driver	8-TSSOP	2.15	1.72	1.29
PS2814PWR	296-3369-2-ND	Dual 2A MOSFET Driver	8-TSSOP	2236.00/2,000		
PS2815D	296-2388-5-ND	Dual 2A NAND MOSFET Driver	8-SOIC	2.15	1.72	1.29
PS2815P	296-3370-5-ND	Dual 2A HS NAND MOSFET Driver	8-Dip	2.15	1.72	1.29
PS2816DBVR	296-3371-1-ND	2A HS Inverting MOSFET Driver	SOT-23-5	1.55	1.24	.93
PS2816DBVR	296-3371-2-ND	2A HS Inverting MOSFET Driver	SOT-23-5	2382.00/3,000		
PS2817DBVR	296-3372-1-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	1.55	1.24	.93
PS2817DBVR	296-3372-2-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	2382.00/3,000		
PS2818DBVR	296-3373-1-ND	2A HS Inverting MOSFET Driver	SOT-23-5	1.55	1.24	.93
PS2818DBVR	296-3373-2-ND	2A HS Inverting MOSFET Driver	SOT-23-5	2382.00/3,000		
PS2819DBVR	296-3374-1-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	1.55	1.24	.93
PS2819DBVR	296-3374-2-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	2382.00/3,000		
PS2828DBVR	296-1986-1-ND	2A HS Inverting MOSFET Driver	SOT-23-5	1.43	1.14	.86
PS2828DBVR	296-1986-2-ND	2A HS Inverting MOSFET Driver	SOT-23-5	2190.00/3,000		
PS2829DBVR	296-1987-1-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	1.43	1.14	.86
PS2829DBVR	296-1987-2-ND	2A HS Non-Invert MOSFET Driver	SOT-23-5	2190.00/3,000		
PS2830D	296-2390-5-ND	Non-Inverting Fast Sync. BUCK FET Driver	14-SOIC	2.36	1.89	1.47
PS2830PWP	296-3376-5-ND	Non-Inverting Fast Sync. BUCK MOSFET Driver	14-HTSSOP	2.36	1.89	1.47
PS2831D	296-2391-5-ND	Invert Fast Sync. BUCK MOSFET Driver	14-SOIC	2.36	1.89	1.47
PS2831PWP	296-3377-5-ND	Invert Fast Sync. BUCK MOSFET Driver	14-HTSSOP	2.36	1.89	1.47
PS2832D	296-2392-5-ND	Non-Invert Fast Sync. BUCK FET Driver	8-SOIC	2.25	1.80	1.40
PS2833D	296-2393-5-ND	Invert Fast Sync. BUCK MOSFET Driver	8-SOIC	2.25	1.80	1.40
PS2834D	296-2394-5-ND	Non-Invert Fast Sync. BUCK FET Driver	14-SOIC	2.36	1.89	1.47
PS2834PWP	296-3378-5-ND	Non-Invert Fast Sync. BUCK MOSFET Driver	14-HTSSOP	2.36	1.89	1.47
PS2835D	296-2395-5-ND	Invert Fast Sync. BUCK MOSFET Driver	14-SOIC	2.36	1.89	1.47
PS2835PWP	296-10885-5-ND	Invert Fast Sync. BUCK MOSFET Driver	14-HTSSOP	2.36	1.89	1.47
TPS2836D	296-2396-5-ND	Non-Invert Fast Sync. BUCK FET Driver	8-SOIC	2.81	2.25	1.75
TPS2838PWP	296-10886-5-ND	Non-Inverting Fast Sync. BUCK MOSFET Driver	16-HTSSOP	2.93	2.34	1.82
TPS2839PWP	296-10887-5-ND	Inverting Fast Sync. BUCK MOSFET Driver	16-HTSSOP	3.26	2.61	2.03
TPS2848PWP	296-10888-5-ND	MOSFET Driver with Regulator	14-HTSSOP	2.81	2.25	1.75
TPS2849PWP	296-10889-5-ND	MOSFET Driver with Regulator	14-HTSSOP	2.81	2.25	1.75
TPS2837D	296-2397-5-ND	Invert Fast Sync. BUCK MOSFET Driver	8-SOIC	2.81	2.25	1.75
TPS28225D	296-19791-5-ND	High-Freq. 4A Sync. MOSFET Driver ***NEW!***	8-SOIC	1.43	1.14	.86
TPS28225DRBT	296-19792-1-ND	High-Freq. 4A Sync. MOSFET Driver ***NEW!***	8-SON	1.43	1.14	.86
TPS28225DRBT	296-19792-2-ND	High-Freq. 4A Sync. MOSFET Driver ***NEW!***	8-SON	199.50/250		
UC2709DW	296-2398-5-ND	Dual High Speed MOSFET Driver	16-SOIC	8.50	6.80	5.74
UC2710N	296-2399-5-ND	High Current MOSFET Driver	8-Dip	7.20	5.76	4.86
UC2714D	296-12113-5-ND	Complementary Switch FET Driver with Aux Out	8-SOIC	2.36	1.89	1.47
UC2714N	296-12171-5-ND	Complementary Switch FET Driver with Aux Out	8-Dip	2.36	1.89	1.47
UC2715D	296-12172-5-ND	Complementary Switch FET Driver with Aux Out	8-SOIC	2.25	1.80	1.40
UC2715DP	296-12173-5-ND	Complementary Switch FET Driver with Aux Out	16-SOIC	2.25	1.80	1.40
UC2715N	296-12174-5-ND	Complementary Switch FET Driver with Aux Out	8-Dip	2.25	1.80	1.40
UC3706N	296-11242-5-ND	Dual High Speed MOSFET Driver	16-Dip	5.18	4.14	3.22
UC3709DW	296-2400-5-ND	Dual High Speed MOSFET Driver	16-SOIC	5.80	4.64	3.92
UC3709N	296-11245-5-ND	Dual High Speed MOSFET Driver	8-Dip	5.80	4.64	3.92
UC3710DW	296-2401-5-ND	Complimentary High Current MOSFET Driver	16-SOIC	6.50	5.20	4.39
UC3710N	296-11246-5-ND	High-Current MOSFET Driver	8-Dip	6.50	5.20	4.39
UC3710T	296-11247-5-ND	High-Current MOSFET Driver	TO-220-5	6.50	5.20	4.39
UC3714D	296-11253-5-ND	High-Current MOSFET Driver	8-SOIC	2.38	1.90	1.43
UC3714DP	296-11254-5-ND	High-Current MOSFET Driver	16-SOIC	2.38	1.90	1.43
UC3714N	296-11255-5-ND	High-Current MOSFET Driver	8-Dip	2.38	1.90	1.43
UC3715D	296-11256-5-ND	High-Current MOSFET Driver	8-SOIC	2.25	1.80	1.35
UC3715DP	296-11668-5-ND	Complimentary Switch MOSFET Driver with Aux Out	16-SOIC	2.25	1.80	1.35
UC3715N	296-11257-5-ND	High-Current MOSFET Driver	8-Dip	2.25	1.80	1.35
UCC2837D	296-2403-5-ND	N-FET Linear Regulating Controller	8-SOIC	5.30	4.24	3.58
UCC27321D	296-13670-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-SOIC	2.48	1.98	1.54
UCC27321DGN	296-13671-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-MSOP	2.70	2.16	1.68
UCC27321P	296-13672-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-Dip	2.48	1.98	1.54
UCC27322D	296-13673-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-SOIC	2.48	1.98	1.54
UCC27322DGN	296-13674-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-MSOP	2.70	2.16	1.68
UCC27322P	296-13675-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-Dip	2.48	1.98	1.54
UCC27323D	296-12528-5-ND	4A High Speed Dual MOSFET Driver	8-SOIC	2.00	1.60	1.20
UCC27323DGN	296-12529-5-ND	4A High Speed Dual MOSFET Driver	8-MSOP	2.25	1.80	1.35
UCC27323P	296-12530-5-ND	4A High Speed Dual MOSFET Driver	8-Dip	2.00	1.60	1.20
UCC27324D	296-12531-5-ND	4A High Speed Dual MOSFET Driver	8-SOIC	2.00	1.60	1.20
UCC27324DGN	296-12532-5-ND	4A High Speed Dual MOSFET Driver	8-MSOP	2.00	1.60	1.20
UCC27324P	296-12533-5-ND	4A High Speed Dual MOSFET Driver	8-Dip	2.00	1.60	1.20
UCC27325D	296-12534-5-ND	4A High Speed Dual MOSFET Driver	8-SOIC	2.00	1.60	1.20
UCC27325DGN	296-12535-5-ND	4A High Speed Dual MOSFET Driver	8-MSOP	2.00	1.60	1.20
UCC27325P	296-12536-5-ND	4A High Speed Dual MOSFET Driver	8-Dip	2.00	1.60	1.20
UCC27423D	296-15864-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-SOIC	2.13	1.70	1.28
UCC27423DGN	296-15865-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-MSOP	2.13	1.70	1.28
UCC27423P	296-15866-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-Dip	2.13	1.70	1.28
UCC27424D	296-15867-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-SOIC	2.00	1.60	1.20
UCC27424DGN	296-15868-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-MSOP	2.00	1.60	1.20
UCC27424P	296-15869-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-Dip	2.00	1.60	1.20
UCC27425D	296-15870-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-SOIC	2.00	1.60	1.20
UCC27425DGN	296-15871-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-MSOP	2.00	1.60	1.20
UCC27425P	296-15872-5-ND	4A Dual High Speed Low-Side MOSFET Driver	8-Dip	2.00	1.60	1.20
UCC37321D	296-13684-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-SOIC	2.48	1.98	1.49
UCC37321DGN	296-13685-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-MSOP	2.48	1.98	1.54
UCC37321P	296-13686-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-Dip	2.48	1.98	1.49
UCC37322D	296-13687-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-SOIC	2.48	1.98	1.49
UCC37322DGN	296-13688-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-MSOP	2.48	1.98	1.54
UCC37322P	296-13689-5-ND	Single 9A High Speed Low-Side MOSFET Driver with Enable	8-Dip	2.48	1.98	1.49
UCC37323D	296-15691-5-ND	Dual 4A High Speed Low-Side, Power MOSFET Driver	8-SOIC	1.88	1.50	1.13
UCC37323DGN	296-15692-5-ND	Dual 4A High Speed Low-Side, Power MOSFET Driver	8-MSOP	2.13	1.70	1.28

(Continued)

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T.I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
		PWM Controllers				
UC3573N	296-11225-5-ND	Buck PWM Voltage Supply Regulator	8-Dip	2.36	1.89	1.47
UC3578DP	296-11226-5-ND	Buck PWM Step Down Voltage Reg.	16-SOIC	5.90	4.72	3.99
UC3578N	296-11227-5-ND	Buck PWM Step Down Voltage Reg.	16-Dip	5.90	4.72	3.99
UC3625DW	296-11235-5-ND	Brushless DC Motor Controller	28-SOIC	8.33	7.50	6.65
UC3625N	296-11236-5-ND	Brushless DC Motor Controller	28-Dip	8.33	7.50	6.65
UC3625Q	296-15064-5-ND	Brushless DC Motor Controller	28-PLCC	8.33	7.50	6.65
UC3637DW	296-2508-5-ND	DC Motor Drive Controller	20-SOIC	6.40	5.12	4.32
UC3637N	296-11237-5-ND	DC Motor Drive Controller	18-Dip	6.40	5.12	4.32
UC3638DW	296-2509-5-ND	PWM Motor Controller	20-SOIC	6.60	5.28	4.46
UC3638N	296-11238-5-ND	PWM Motor Controller	20-Dip	6.60	5.28	4.46
UC3638Q	296-13056-5-ND	Advanced PWM Motor Controller	20-PLCC	6.60	5.28	4.46
UC3705D	296-2511-5-ND	High Speed Power Driver	8-SOIC	5.18	4.14	3.22
UC3705N	296-11240-5-ND	High Speed Power Driver	8-Dip	5.18	4.14	3.22
UC3705T	296-11241-5-ND	High Speed Power Driver	TO-220-5	5.18	4.14	3.22
UC3706DW	296-2512-5-ND	Dual Output Driver	16-SOIC	5.18	4.14	3.22
UC3707DW	296-2513-5-ND	Dual Channel Power Driver	16-SOIC	5.10	4.08	3.45
UC3707N	296-11243-5-ND	Dual Channel Power Driver	16-Dip	5.10	4.08	3.45
UC3708DW	296-2514-5-ND	Dual Non-Inverting Power Driver	16-SOIC	6.20	4.96	4.19
UC3708N	296-12120-5-ND	Dual Non-Inverting Power Driver	8-Dip	6.20	4.96	4.19
UC3708NE	296-11244-5-ND	Dual Non-Inverting Power Driver	16-Dip	6.20	4.96	4.19
UC3823ADW	296-2515-5-ND	High Speed PWM Controller	16-SOIC	9.80	7.84	6.62
UC3823AN	296-11261-5-ND	High Speed PWM Controller	16-Dip	9.80	7.84	6.62
UC3823BN	296-11262-5-ND	High Speed PWM Controller	16-Dip	9.75	8.78	7.79
UC3823DW	296-11263-5-ND	High Speed PWM Controller	16-SOIC	3.42	2.74	2.13
UC3823Q	296-11264-5-ND	High Speed PWM Controller	20-PLCC	3.42	2.74	2.13
UC3823BDW	296-2516-5-ND	High Speed PWM Controller	16-SOIC	9.75	8.78	7.79
UC3824DW	296-11265-5-ND	High Speed PWM Controller	16-SOIC	9.10	7.28	6.15
UC3824N	296-11266-5-ND	High Speed PWM Controller	16-Dip	9.10	7.28	6.15
UC3825ADW	296-2517-5-ND	High Speed PWM Controller	16-SOIC	5.30	4.24	3.58
UC3825AN	296-11267-5-ND	High Speed PWM Controller	16-Dip	5.30	4.24	3.58
UC3825AQ	296-11268-5-ND	High Speed PWM Controller	20-PLCC	5.30	4.24	3.58
UC3825BDW	296-2518-5-ND	High Speed PWM Controller	16-SOIC	8.50	7.65	6.79
UC3825BN	296-11269-5-ND	High Speed PWM Controller	16-Dip	8.50	7.65	6.79
UC3825DW	296-11270-5-ND	High Speed PWM Controller	16-SOIC	3.42	2.74	2.13
UC3825N	296-11271-5-ND	High Speed PWM Controller	16-Dip	3.42	2.74	2.13
UC3827DW-1	296-2519-5-ND	Buck, Current Fed PWM Controller	24-SOIC	7.00	5.60	4.73
UC3827DW-2	296-2520-5-ND	Buck, Voltage Fed PWM Controller	24-SOIC	7.00	5.60	4.73
UC3827N-1	296-2521-5-ND	Buck, Current Fed PWM Controller	24-Dip	7.00	5.60	4.73
UC3827N-2	296-2522-5-ND	Buck, Voltage Fed PWM Controller	24-Dip	7.00	5.60	4.73
UC3834N	296-11275-5-ND	High Efficiency Linear Regulator	16-Dip	9.41	8.48	7.52
UC3835N	296-2523-5-ND	High Efficiency Regulator Controller	8-Dip	6.10	4.88	4.12
UC3836D	296-2524-5-ND	High Efficiency Regulator Controller	8-SOIC	6.80	5.44	4.59
UC3836N	296-11276-5-ND	High Efficiency Regulator Controller	8-Dip	6.80	5.44	4.59
UC3841N	296-11277-5-ND	Prog., Off-Line PWM Controller	18-Dip	8.60	6.88	5.81
UC3842AD	296-11278-5-ND	Current-Mode PWM Controller	14-SOP	1.90	1.52	1.14
UC3842AD8	296-11279-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3842ADW	296-11426-5-ND	Current-Mode PWM Controller	16-SOIC	1.90	1.52	1.14
UC3842AN	296-11280-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3842D	296-13427-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3842D8	296-11281-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3842N	296-11282-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3843AD	296-11283-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3843AD8	296-11284-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3843AN	296-11285-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3843D	296-11286-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3843D8	296-11287-5-ND	Current-Mode PWM Controller	8-SOP	1.90	1.52	1.14
UC3843N	296-11288-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3844AD	296-11289-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3844AD8	296-11290-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3844AN	296-11291-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3844D	296-11292-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3844D8	296-11293-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3844N	296-11294-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3845AD	296-11295-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3845AD8	296-11296-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3845AN	296-11297-5-ND	Current-Mode PWM Controller	8-Dip	1.90	1.52	1.14
UC3845D	296-11298-5-ND	Current-Mode PWM Controller	14-SOIC	1.90	1.52	1.14
UC3845D8	296-11299-5-ND	Current-Mode PWM Controller	8-SOIC	1.90	1.52	1.14
UC3846DW	296-11300-5-ND	Current-Mode PWM Controller	16-SOIC	3.60	2.88	2.24
UC3846N	296-11301-5-ND	Current-Mode PWM Controller	16-Dip	3.60	2.88	2.24
UC3847DW	296-11302-5-ND	Current-Mode PWM Controller	16-SOIC	5.70	4.56	3.85
UC3847N	296-11303-5-ND	Current-Mode PWM Controller	16-Dip	5.70	4.56	3.85
UC3848DW	296-11304-5-ND	Avg. Current-Mode PWM Controller	16-SOIC	5.00	4.00	3.38
UC3849DW	296-2525-5-ND	Secondary-Side Current-Mode Controller	24-SOIC	6.10	4.88	4.12
UC3851N	296-11305-5-ND	Prog. Off-Line PWM Controller	18-Dip	9.50	7.60	6.42
UC3852D	296-11306-5-ND	Power Factor Pre-Regulator	8-SOIC	3.83	3.06	2.38
UC3852N	296-11307-5-ND	Power Factor Pre-Regulator	8-Dip	3.83	3.06	2.38
UC3853D	296-11308-5-ND	Power Factor Pre-Regulator	8-SOIC	2.48	1.98	1.49
UC3853N	296-11309-5-ND	Power Factor Pre-Regulator	8-Dip	2.48	1.98	1.49
UC3854ADW	296-2526-5-ND	Power Factor Pre-Regulator	16-SOIC	3.04	2.43	1.89
UC3854AN	296-11310-5-ND	Power Factor Pre-Regulator	16-Dip	3.04	2.43	1.89
UC3854BDW	296-2527-5-ND	Power Factor Pre-Regulator	16-SOIC	3.04	2.43	1.89
UC3854BN	296-11311-5-ND	Power Factor Pre-Regulator	16-Dip	3.04	2.43	1.89
UC3854DW	296-11312-5-ND	Power Factor Pre-Regulator	16-SOIC	2.59	2.07	1.61
UC3854N	296-11313-5-ND	Power Factor Pre-Regulator	16-Dip	2.59	2.07	1.61
UC3855ADW	296-2528-5-ND	Power Factor Pre-Regulator	20-SOIC	9.50	8.55	7.59
UC3855AN	296-11314-5-ND	Power Factor Pre-Regulator	20-Dip	9.50	8.55	7.59
UC3855BDW	296-2529-5-ND	Power Factor Pre-Regulator	20-SOIC	9.50	8.55	7.59
UC3855BN	296-11315-5-ND	Power Factor Pre-Regulator	20-Dip	9.50	8.55	7.59
UC3856DW	296-11316-5-ND	Current-Mode PWM Controller	16-SOIC	3.83	3.06	2.38
UC3856N	296-11317-5-ND	Current-Mode PWM Controller	16-Dip	3.83	3.06	2.38
UC3861DW	296-14332-5-ND	Resonant-Mode Power Supply Controller	16-SOIC	4.61	3.69	2.87
UC3861N	296-11318-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3862N	296-11319-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3863N	296-11320-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3864DW	296-11321-5-ND	Resonant-Mode Power Supply Controller	16-SOIC	4.61	3.69	2.87
UC3864N	296-11322-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3865N	296-11323-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3867N	296-11324-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3868N	296-11325-5-ND	Resonant-Mode Power Supply Controller	16-Dip	4.61	3.69	2.87
UC3875DWP	296-11331-5-ND	Phase Shift Resonant Controller	28-SOIC	9.70	7.76	6.55
UC3875N	296-11332-5-ND	Phase Shift Resonant Controller	20-Dip	9.70	7.76	6.55
UC3876N	296-11333-5-ND	Phase Shift Resonant Controller	20-Dip	13.08	11.78	10.45
UC3879DW	296-11334-5-ND	Phase Shift Resonant Controller	20-SOIC	7.40	5.92	5.00
UC3879N	296-11335-5-ND	Phase Shift Resonant Controller	20-Dip	7.40	5.92	5.00
UC3886D	296-11336-5-ND	Current-Mode PWM Controller	16-SOIC	5.10	4.08	3.45
UC3886N	296-11337-5-ND	Current-Mode PWM Controller	16-Dip	5.10	4.08	3.45
UC3902D	296-11340-5-ND	Load Share Controller	8-SOIC	4.16	3.33	2.59
UC3902N	296-11341-5-ND	Load Share Controller	8-Dip	4.16	3.33	2.59
UC3903N	296-11342-5-ND	Quad Supply/Line Monitor	18-Dip	4.73	3.78	2.94
UC3907DW	296-2530-5-ND	Load Share Controller	16-SOIC	4.73	3.78	2.94
UC3907N	296-11344-5-ND	Load Share Controller	16-Dip	4.73	3.78	2.94
UC3910N	296-11346-5-ND	4-Bit DAC and Voltage Monitor ***NEW!***	16-Dip	5.70	4.56	3.85
UC28023DW	296-15060-5-ND	High Speed PWM Controller	16-SOIC	2.88	2.31	1.80
UC28023N	296-15061-5-ND	High Speed PWM Controller	16-Dip	2.88	2.31	1.80
UC28025DW	296-15062-5-ND	High Speed PWM Controller	16-SOIC	2.88	2.31	1.80
UC28025N	296-15063-5-ND	High Speed PWM Controller	16-Dip	2.88	2.31	1.80
UCC28C40D	296-13429-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C40DGK	296-12570-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C40P	296-12571-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC28C41D	296-13430-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C41DGK	296-12572-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C41P	296-12573-5-ND	UVLO 7.0V/6.6V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC28C42D	296-13431-5-ND	UVLO 14.5/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C42DGK	296-12291-5-ND	UVLO 14.5/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C42P	296-13432-5-ND	UVLO 14.5/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC28C43D	296-13433-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C43DGK	296-12292-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C43P	296-13434-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC28C44D	296-13435-5-ND	UVLO 14.5V/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C44DGK	296-12574-5-ND	UVLO 14.5V/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C44P	296-12575-5-ND	UVLO 14.5V/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC28C45D	296-12576-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.88	1.50	1.13
UCC28C45DGK	296-12293-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-MSOP	1.88	1.50	1.13
UCC28C45P	296-13436-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.88	1.50	1.13
UCC38C40D	296-13832-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C40DGK	296-13833-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C40P	296-13834-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC38C41D	296-13835-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C41DGK	296-13836-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C41P	296-13837-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC38C42D	296-13838-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C42DGK	296-13839-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C42P	296-13840-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC38C43D	296-12253-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C43DGK	296-13841-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C43P	296-13441-5-ND	UVLO 8.4V/7.6V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC38C44D	296-13842-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C44DGK	296-13843-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C44P	296-13442-5-ND	UVLO 14.5V/9.0V, BiCMOS Low Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC2580D-1	296-11374-5-ND	Single-Sided Active Clamp/Reset PWM	16-SOIC	4.73	3.78	2.94
UCC38C45D	296-13844-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-SOIC	1.75	1.40	1.05
UCC38C45DGK	296-13845-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-MSOP	1.75	1.40	1.05
UCC38C45P	296-13846-5-ND	BiCMOS Low-Power Current-Mode PWM Controller	8-Dip	1.75	1.40	1.05
UCC2540EVM-054	296-17270-ND	Evaluation Module for UCC2540	—	62.78	—	—
UCC2540PWP	296-17103-5-ND	High-Eff. Secondary Side Sync. Buck PWM Controller	20-HTSSOP	4.16	3.33	2.59
UCC2580D-2	296-11375-5-ND	Single End Active Clamp/Reset PWM	16-SOIC	4.73	3.78	2.94
UCC2580D-3	296-11376-5-ND	Single End Active Clamp/Reset PWM	16-SOIC	4.73	3.78	2.94

(Continued)

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UCC39421N	296-11545-5-ND	Multimode Hi-Freq. PWM Controller	16-Dip	4.84	3.87	3.01
UCC39421PW	296-2553-5-ND	Multimode Hi-Freq. PWM Controller	16-TSSOP	4.84	3.87	3.01
UCC39422N	296-11546-5-ND	Multimode Hi-Freq. PWM Controller	20-Dip	4.84	3.87	3.01
UCC39422PW	296-2554-5-ND	Multimode Hi-Freq. PWM Controller	20-TSSOP	4.84	3.87	3.01
UCD8220PWP	296-18592-5-ND	Digitally Managed Push-Pull Analog PWM Controller	16-HTSSOP	3.60	2.88	2.24
Schottky Diode Arrays						
UC2610N	296-11161-5-ND	Dual Schottky Diode Bridge	8-Dip	5.60	4.48	3.78
UC3610DW	296-11230-5-ND	Dual Schottky Diode Bridge	16-SOIC	5.29	4.23	3.29
UC3610N	296-11231-5-ND	Dual Schottky Diode Bridge	8-Dip	5.29	4.23	3.29
UC3611DW	296-11233-5-ND	Quad Schottky Diode Array	16-SOIC	4.39	3.51	2.73
UC3611N	296-11234-5-ND	Quad Schottky Diode Array	8-Dip	4.39	3.51	2.73
Voltage References						
LM285D-1-2	296-9521-5-ND	1.2V Micropower Voltage Reference	8-SOP	.80	.60	.45
LM285D-2-5	296-9522-5-ND	2.5V Micropower Voltage Reference	8-SOP	.80	.60	.45
LM285DR-2-5	296-14592-1-ND	2.5V Micropower Voltage Reference	8-SOIC	.80	.60	.45
LM285DR-2-5	296-14592-2-ND	2.5V Micropower Voltage Reference	8-SOIC		650.00/2,500	
LM285LP-1-2	296-9523-5-ND	1.2V Micropower Voltage Reference	TO-92	.64	.48	.36
LM285LP-2-5	296-9524-5-ND	2.5V Micropower Voltage Reference	TO-92	.64	.48	.36
LM336BD-2-5	296-9547-5-ND	2.5V Precision Voltage Reference	8-SOIC	.88	.66	.50
LM336BLP-2-5	296-9548-5-ND	2.5V Precision Voltage Reference	TO-92	.88	.66	.50
LM336D-2-5	296-9549-5-ND	2.5V Precision Voltage Reference	8-SOIC	.88	.66	.50
LM385BD-1-2	296-9556-5-ND	1.2V Micropower Voltage Reference	8-SOIC	.80	.60	.45
LM385BD-2-5	296-9557-5-ND	2.5V Micropower Voltage Reference	8-SOIC	.80	.60	.45
LM385BDR-1-2	296-14603-1-ND	1.2V Micropower Voltage Reference	8-SOIC	.80	.60	.45
LM385BDR-1-2	296-14603-2-ND	1.2V Micropower Voltage Reference	8-SOIC		650.00/2,500	
LM385BLP-1-2	296-9558-5-ND	1.2V Micropower Voltage Reference	TO-92	.80	.60	.45
LM385BLP-2-5	296-9559-5-ND	2.5V Micropower Voltage Reference	TO-92	.80	.60	.45
LM385BPWR-1-2	296-13073-1-ND	1.2V Micropower Voltage Reference	8-TSSOP	.80	.60	.45
LM385BPWR-1-2	296-13073-2-ND	1.2V Micropower Voltage Reference	8-TSSOP		532.00/2,000	
LM385BPWR-2-5	296-13074-1-ND	2.5V Micropower Voltage Reference	8-TSSOP	.80	.60	.45
LM385BPWR-2-5	296-13074-2-ND	2.5V Micropower Voltage Reference	8-TSSOP		532.00/2,000	
LM385D-1-2	296-9560-5-ND	1.2V Micropower Voltage Reference	8-SOIC	.56	.42	.32
LM385D-2-5	296-9561-5-ND	2.5V Micropower Voltage Reference	8-SOIC	.56	.42	.32
LM385LP-1-2	296-9562-5-ND	1.2V Micropower Voltage Reference	TO-92	.56	.42	.32
LM385LP-2-5	296-9563-5-ND	2.5V Micropower Voltage Reference	TO-92	.56	.42	.32
LM385PWR-1-2	296-13075-1-ND	1.2V Micropower Voltage Reference	8-TSSOP	.56	.42	.32
LM385PWR-1-2	296-13075-2-ND	1.2V Micropower Voltage Reference	8-TSSOP		372.00/2,000	
LM385PWR-2-5	296-13076-1-ND	2.5V Micropower Voltage Reference	8-TSSOP	.56	.42	.32
LM385PWR-2-5	296-13076-2-ND	2.5V Micropower Voltage Reference	8-TSSOP		372.00/2,000	
LM4040B10IDCKR	296-19723-1-ND	10V Precision Micropower Shunt Voltage Reference **NEW!**	SC70-5	1.44	1.20	.96
LM4040B10IDCKR	296-19723-2-ND	10V Precision Micropower Shunt Voltage Reference **NEW!**	SC70-5		1872.00/3,000	
LM4040C25IDBZR	296-17937-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23	.92	.69	.52
LM4040C25IDBZR	296-17937-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23		897.00/3,000	
LM4040C25IDCKR	296-17938-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SC70-5	.75	.63	.50
LM4040C25IDCKR	296-17938-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SC70-5		975.00/3,000	
LM4040C25QDBZR	296-17939-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23	1.05	.88	.70
LM4040C25QDBZR	296-17939-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23		1365.00/3,000	
LM4040D25IDBZR	296-17940-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23	.72	.54	.41
LM4040D25IDBZR	296-17940-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23		702.00/3,000	
LM4040D25IDCKR	296-17941-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SC70-5	.80	.60	.45
LM4040D25IDCKR	296-17941-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SC70-5		780.00/3,000	
LM4040D25QDBZR	296-17942-1-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23	.81	.68	.54
LM4040D25QDBZR	296-17942-2-ND	2.5V Precision Micropower Shunt Voltage Reference	SOT-23		1053.00/3,000	
LM4040D30IDBZR	296-19437-1-ND	3V Precision Micropower Shunt Voltage Reference	SOT-23	.72	.54	.41
LM4040D30IDBZR	296-19437-2-ND	3V Precision Micropower Shunt Voltage Reference	SOT-23		702.00/3,000	
LM4041CIDBZR	296-17943-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23	.92	.69	.52
LM4041CIDBZR	296-17943-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23		897.00/3,000	
LM4041CIDCKR	296-17944-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SC70-5	.75	.63	.50
LM4041CIDCKR	296-17944-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SC70-5		975.00/3,000	
LM4041CQDBZR	296-17945-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23	1.05	.88	.70
LM4041CQDBZR	296-17945-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23		1365.00/3,000	
LM4041DIDBZR	296-17946-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23	.72	.54	.41
LM4041DIDBZR	296-17946-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23		702.00/3,000	
LM4041DIDCKR	296-17947-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SC70-5	.80	.60	.45
LM4041DIDCKR	296-17947-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SC70-5		780.00/3,000	
LM4041DQDBZR	296-17948-1-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23	.81	.68	.54
LM4041DQDBZR	296-17948-2-ND	Adj. Precision Micropower Shunt Voltage Reference	SOT-23		1053.00/3,000	
LT1004CD-1-2	296-9580-5-ND	1.2V Micropower Integrated Voltage Reference	8-SOIC	.84	.70	.56
LT1004CD-2-5	296-9581-5-ND	2.5V Micropower Integrated Voltage Reference	8-SOIC	.84	.70	.56
LT1004CDR-1-2	296-14610-1-ND	1.2V Micropower Integrated Voltage Reference	8-SOIC	.84	.70	.56
LT1004CDR-1-2	296-14610-2-ND	1.2V Micropower Integrated Voltage Reference	8-SOIC		910.00/2,500	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LT1004CLP-1-2	296-9582-5-ND	1.2V Micropower Integrated Voltage Reference	TO-92	.84	.70	.56
LT1004CLP-2-5	296-9583-5-ND	2.5V Micropower Integrated Voltage Reference	TO-92	.84	.70	.56
LT1004CPWR-1-2	296-13077-1-ND	1.2V Micropower Integrated Voltage Reference	8-TSSOP	.84	.70	.56
LT1004CPWR-1-2	296-13077-2-ND	1.2V Micropower Integrated Voltage Reference	8-TSSOP		744.00/2,000	
LT1004CPWR-2-5	296-13078-1-ND	2.5V Micropower Integrated Voltage Reference	8-TSSOP	.84	.70	.56
LT1004CPWR-2-5	296-13078-2-ND	2.5V Micropower Integrated Voltage Reference	8-TSSOP		744.00/2,000	
LT1004ID-2-5	296-9584-5-ND	2.5V Micropower Integrated Voltage Reference	8-SOIC	1.38	1.10	.83
LT1004IPWR-1-2	296-13079-1-ND	1.2V Micropower Integrated Voltage Reference	8-TSSOP	1.38	1.10	.83
LT1004IPWR-1-2	296-13079-2-ND	1.2V Micropower Integrated Voltage Reference	8-TSSOP		1430.00/2,000	
LT1004IPWR-2-5	296-13080-1-ND	2.5V Micropower Integrated Voltage Reference	8-TSSOP	1.38	1.10	.83
LT1004IPWR-2-5	296-13080-2-ND	2.5V Micropower Integrated Voltage Reference	8-TSSOP		1430.00/2,000	
LT1009CDR	296-14611-1-ND	2.5V Integrated Reference Circuit	8-SOIC	.96	.80	.64
LT1009CDR	296-14611-2-ND	2.5V Integrated Reference Circuit	8-SOIC		1040.00/2,500	
LT1009CLP	296-9585-5-ND	2.5V Integrated Reference Circuit	TO-92	.96	.80	.64
LT1009CLPR	296-14612-1-ND	2.5V Integrated Reference Circuit	TO-92	.96	.80	.64
LT1009CLPR	296-14612-2-ND	2.5V Integrated Reference Circuit	TO-92		852.00/2,000	
LT1009CPWR	296-13081-1-ND	2.5V Integrated Reference Circuit	8-TSSOP	.96	.80	.64
LT1009CPWR	296-13081-2-ND	2.5V Integrated Reference Circuit	8-TSSOP		852.00/2,000	
LT1009ID	296-9586-5-ND	2.5V Integrated Reference Circuit	8-SOIC	1.05	.88	.70
LT1009IDR	296-14613-1-ND	2.5V Integrated Reference Circuit	8-SOIC	1.05	.88	.70
LT1009IDR	296-14613-2-ND	2.5V Integrated Reference Circuit	8-SOIC		1137.50/2,500	
LT1009ILP	296-9587-5-ND	2.5V Integrated Reference Circuit	TO-92	1.05	.88	.70
LT1009ILPR	296-14614-1-ND	2.5V Integrated Reference Circuit	TO-92	1.05	.88	.70
LT1009ILPR	296-14614-2-ND	2.5V Integrated Reference Circuit	TO-92		932.00/2,000	
LT1009IPWR	296-15734-1-ND	2.5V Integrated Reference Circuit	8-TSSOP	1.05	.88	.70
LT1009IPWR	296-15734-2-ND	2.5V Integrated Reference Circuit	8-TSSOP		932.00/2,000	
REF02AP	296-12732-5-ND	+5V Precision Voltage Reference	8-Dip	3.11	2.49	1.94
REF02AU	REF02AU-ND	+5V Voltage Reference	8-SOIC	3.11	2.49	1.94
REF02BP	REF02BP-ND	+5V Precision Voltage Reference	8-Dip	5.04	4.04	3.41
REF02BU	REF02BU-ND	+5V Voltage Reference	8-SOIC	4.39	3.51	2.73
REF102AP	REF102AP-ND	+10V Precision Voltage Reference	8-Dip	3.94	3.15	2.45
REF102AU	REF102AU-ND	+10V Precision Voltage Reference	8-SOIC	3.94	3.15	2.45
REF1028P	REF1028P-ND	+10V Precision Voltage Reference	8-Dip	6.50	5.20	4.39
REF1028U	296-17004-5-ND	+10V Precision Voltage Reference	8-SOIC	6.50	5.20	4.39
REF102CP	296-17005-5-ND	+10V Precision Voltage Reference	8-Dip	9.00	7.20	6.08
REF102CU	296-17006-5-ND	+10V Precision Voltage Reference	8-SOIC	9.00	7.20	6.08
REF200AU	REF200AU-ND	Dual Current Source/Current Sink	8-SOIC	5.20	4.16	3.51
REF1004C-1.2	REF1004C-1.2-ND	1.2V Micropower Voltage Reference	8-SOIC	2.79	2.24	1.74
REF1004C-2.5	REF1004C-2.5-ND	2.5V Micropower Voltage Reference	8-SOIC	2.79	2.24	1.74
REF1004I-1.2	REF1004I-1.2-ND	1.2V Micropower Voltage Reference	8-SOIC	5.45	4.36	3.39
REF1004I-2.5	REF1004I-2.5-ND	2.5V Micropower Voltage Reference	8-SOIC	5.45	4.36	3.39
REF2912AIDBZT	296-13480-1-ND	1.25V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2912AIDBZT	296-13480-2-ND	1.25V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF2920AIDBZT	296-13481-1-ND	2.048V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2920AIDBZT	296-13481-2-ND	2.048V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF2925AIDBZT	296-13482-1-ND	2.5V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2925AIDBZT	296-13482-2-ND	2.5V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF2930AIDBZT	296-13483-1-ND	3.0V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2930AIDBZT	296-13483-2-ND	3.0V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF2933AIDBZT	296-13484-1-ND	3.3V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2933AIDBZT	296-13484-2-ND	3.3V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF2940AIDBZT	296-13485-1-ND	4.096V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23	1.38	1.10	.83
REF2940AIDBZT	296-13485-2-ND	4.096V, Precision, Low Power, Low Voltage Dropout Voltage Reference	SOT-23		192.50/250	
REF3012AIDBZT	REF3012AIDBZTCT-ND	1.25V, Low Power CMOS Voltage Ref.	SOT-23	1.63	1.30	.98
REF3012AIDBZT	REF3012AIDBZTTR-ND	1.25V, Low Power CMOS Voltage Ref.	SOT-23		227.50/250	
REF3020AIDBZT	REF3020AIDBZTCT-ND	2.0V, Low Power CMOS Voltage Ref.	SOT-23	1.63	1.30	.98
REF3020AIDBZT	REF3020AIDBZTTR-ND	2.0V, Low Power CMOS Voltage Ref.	SOT-23		227.50/250	
REF3025AIDBZT	REF3025AIDBZTCT-ND	2.5V, Low Power CMOS Voltage Ref.	SOT-23	1.63	1.30	.98
REF3025AIDBZT	REF3025AIDBZTTR-ND	2.5V, Low Power CMOS Voltage Ref.	SOT-23		227.50/250	
REF3030AIDBZT	296-18517-1-ND	3V, CMOS Voltage Reference	SOT-23	1.63	1.30	.98
REF3030AIDBZT	296-18517-2-ND	3V, CMOS Voltage Reference	SOT-23		227.50/250	
REF3033AIDBZT	REF3033AIDBZTCT-ND	3.3V, Low Power CMOS Voltage Ref.	SOT-23	1.63	1.30	.98
REF3033AIDBZT	REF3033AIDBZTTR-ND	3.3V, Low Power CMOS Voltage Ref.	SOT-23		227.50/250	
REF3040AIDBZT	REF3040AIDBZTCT-ND	4.0V, Low Power CMOS Voltage Ref.	SOT-23	1.63	1.30	.98
REF3040AIDBZT	REF3040AIDBZTTR-ND	4.0V, Low Power CMOS Voltage Ref.	SOT-23		227.50/250	
REF3112AIDBZT	296-18518-1-ND	1.25V, CMOS Voltage Reference	SOT-23	2.81	2.25	1.75
REF3112AIDBZT	296-18518-2-ND	1.25V, CMOS Voltage Reference	SOT-23		415.75/250	
REF3120AIDBZT	296-17927-1-ND	2.048V, 100µA, Voltage Reference	SOT-23	2.81	2.25	1.75
REF3120AIDBZT	296-17927-2-ND	2.048V, 100µA, Voltage Reference	SOT-23		415.75/250	
REF3125AIDBZT	296-17509-1-ND	2.5V, 100µA, Voltage Reference	SOT-23	2.81	2.25	1.75
REF3125AIDBZT	296-17509-2-ND	2.5V, 100µA, Voltage Reference	SOT-23		415.75/250	
REF3130AIDBZT	296-17098-ND	3V, 100µA Volt. Reference **NEW!**	SOT-23	2.81	2.25	1.75
REF3133AIDBZT	296-18519-1-ND	3.3V, CMOS Voltage Reference	SOT-23	2.81	2.25	1.75
REF3133AIDBZT	296-18519-2-ND	3.3V, CMOS Voltage Reference	SOT-23		415.75/250	
REF3140AIDBZT	296-17234-1-ND	4.096V, Low Power CMOS Voltage Reference	SOT-23	2.81	2.25	1.75
REF3140AIDBZT	296-17234-2-ND	4.096V, Low Power CMOS Voltage Reference	SOT-23		415.75/250	
REF3212AIDBVT	296-18225-1-ND	1.25V LDO Voltage Reference	SOT-23-6	4.28	3.42	2.66

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Low Dropout Voltage Regulators

T.I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
REG1117FA-5.0/500	296-15910-1-ND	5V, 1A LDO Regulator	3-DDPAK	2.68	2.15	1.67
REG1117FA-5.0/500	296-15910-2-ND	5V, 1A LDO Regulator	3-DDPAK		773.50/500	
REG1117FA-5.0KTTT	296-16009-1-ND	5V, 1A LDO Regulator	3-DDPAK	2.68	2.15	—
REG1117FA-5.0KTTT	296-16009-2-ND	5V, 1A LDO Regulator	3-DDPAK		83.30/50	
REG1118-2.85	REG1118-2.85-ND	2.85V LDO Regulator with Source/Sink Capability	SOT-223	2.25	1.80	1.35
SN105125DBVR	296-15347-1-ND	150mA LDO Regulator with POK	5-SOP	.87	.73	.58
SN105125DBVR	296-15347-2-ND	150mA LDO Regulator with POK	5-SOP		1131.00/3,000	
TL750L05CD	296-8000-5-ND	5V, LDO Voltage Regulator	8-SOIC	.68	.51	.39
TL750L05CDR	296-15014-1-ND	5V, LDO Voltage Regulator	8-SOIC	.68	.51	.39
TL750L05CDR	296-15014-2-ND	5V, LDO Voltage Regulator	8-SOIC		552.50/2,500	
TL750L05CKC	296-8001-5-ND	5V, LDO Voltage Regulator	TO-220AB	.75	.63	.50
TL750L05CKTER	296-13797-1-ND	5V, LDO Voltage Regulator	3-PFM	.84	.70	.56
TL750L05CKTER	296-13797-2-ND	5V, LDO Voltage Regulator	3-PFM		744.00/2,000	
TL750L05CLP	296-8002-5-ND	5V, LDO Voltage Regulator	TO-92	.68	.51	.39
TL750L08CD	296-8004-5-ND	8V, 150mA LDO Regulator	8-SOIC	.68	.51	.39
TL750L08CLP	296-8005-5-ND	8V, 150mA LDO Regulator	TO-92	.68	.51	.39
TL750L10CD	296-8006-5-ND	10V, 150mA LDO Regulator	8-SOIC	.68	.51	.39
TL750L10CLPR	296-8007-1-ND	10V, 150mA LDO Regulator	TO-92	.68	.51	.39
TL750L10CLPR	296-8007-2-ND	10V, 150mA LDO Regulator	TO-92		452.00/2,000	
TL750L12CD	296-8008-5-ND	12V, 150mA LDO Regulator	8-SOIC	.68	.51	.39
TL750L12CLP	296-8009-5-ND	12V, 150mA LDO Regulator	TO-92	.68	.51	.39
TL750M05CKC	296-18891-5-ND	5V, LDO Voltage Regulator	TO-220	1.14	.95	.76
TL750M05CKTER	296-18892-1-ND	5V, LDO Voltage Regulator	3-PFM	1.17	.98	.78
TL750M05CKTER	296-18892-2-ND	5V, LDO Voltage Regulator	3-PFM		1038.00/2,000	
TL750M05CKTPR	296-17613-1-ND	5V, LDO Voltage Regulator	2-PFM	1.08	.90	.72
TL750M05CKTPR	296-17613-2-ND	5V, LDO Voltage Regulator	2-PFM		1404.00/3,000	
TL750M10CKTER	296-18893-1-ND	10V, LDO Voltage Regulator	3-PFM	1.17	.98	.78
TL750M10CKTER	296-18893-2-ND	10V, LDO Voltage Regulator	3-PFM		1038.00/2,000	
TL750M10CKTPR	296-18894-1-ND	10V, LDO Voltage Regulator	2-PFM	1.08	.90	.72
TL750M10CKTPR	296-18894-2-ND	10V, LDO Voltage Regulator	2-PFM		1404.00/3,000	
TL751L05CD	296-8011-5-ND	5V, 150mA LDO Regulator	8-SOIC	.87	.73	.58
TL751L05CDR	296-15015-1-ND	5V, 150mA LDO Regulator	8-SOIC	.87	.73	.58
TL751L05CDR	296-15015-2-ND	5V, 150mA LDO Regulator	8-SOIC		942.50/2,500	
TL751L10CD	296-8012-5-ND	10V, 150mA LDO Regulator	8-SOIC	.87	.73	.58
TL751L10CP	296-8013-5-ND	10V, 150mA LDO Regulator	8-Dip	.87	.73	.58
TL751L12CDR	296-15016-1-ND	12V, 150mA LDO Regulator	8-SOIC	.87	.73	.58
TL751L12CDR	296-15016-2-ND	12V, 150mA LDO Regulator	8-SOIC		942.50/2,500	
TL7700CPSR	296-8015-1-ND	Supply-Voltage Supervisor	8-SOP	2.81	2.25	1.75
TL7700CPSR	296-8015-2-ND	Supply-Voltage Supervisor	8-SOP		3188.00/2,000	
TLV1117CDCYR	296-17598-1-ND	Adj., LDO Voltage Regulator	SOT-223	.64	.48	.36
TLV1117CDCYR	296-17598-2-ND	Adj., LDO Voltage Regulator	SOT-223		520.00/2,500	
TLV1117CDRJR	296-19515-1-ND	Adj., LDO Voltage Regulator	8-SON	.72	.54	.41
TLV1117CDRJR	296-19515-2-ND	Adj., LDO Voltage Regulator	8-SON		239.00/1,000	
TLV1117CKCS	296-17599-5-ND	Adj., LDO Voltage Regulator	TO-220	.88	.66	.50
TLV1117CKTER	296-17734-1-ND	Adj., LDO Voltage Regulator	3-PFM	.81	.68	.54
TLV1117CKTER	296-17734-2-ND	Adj., LDO Voltage Regulator	3-PFM		718.00/2,000	
TLV1117CKTPR	296-17735-1-ND	Adj., LDO Voltage Regulator	2-PFM	.80	.60	.45
TLV1117CKTPR	296-17735-2-ND	Adj., LDO Voltage Regulator	2-PFM		780.00/3,000	
TLV1117CKVURG3	296-19516-1-ND	Adj., LDO Voltage Regulator	3-PFM	.72	.54	.41
TLV1117CKVURG3	296-19516-2-ND	Adj., LDO Voltage Regulator	3-PFM		585.00/2,500	
TLV1117IDCYR	296-17600-1-ND	Adj., LDO Voltage Regulator	SOT-223	.72	.54	.41
TLV1117IDCYR	296-17600-2-ND	Adj., LDO Voltage Regulator	SOT-223		585.00/2,500	
TLV1117IDRJR	296-19517-1-ND	Adj., LDO Voltage Regulator	8-SON	.80	.60	.45
TLV1117IDRJR	296-19517-2-ND	Adj., LDO Voltage Regulator	8-SON		266.00/1,000	
TLV1117IKCS	296-17601-5-ND	Adj., LDO Voltage Regulator	TO-220	.96	.72	.54
TLV1117IKTER	296-17736-1-ND	Adj., LDO Voltage Regulator	3-PFM	.81	.68	.54
TLV1117IKTER	296-17736-2-ND	Adj., LDO Voltage Regulator	3-PFM		718.00/2,000	
TLV1117IKTPR	296-17737-1-ND	Adj., LDO Voltage Regulator	2-PFM	.80	.60	.45
TLV1117IKTPR	296-17737-2-ND	Adj., LDO Voltage Regulator	2-PFM		780.00/3,000	
TLV1117IKVURG3	296-19518-1-ND	Adj., LDO Voltage Regulator	3-PFM	.80	.60	.45
TLV1117IKVURG3	296-19518-2-ND	Adj., LDO Voltage Regulator	3-PFM		650.00/2,500	
TLV1117-15IKVURG3	296-19669-1-ND	1.5V, LDO Voltage Regulator **NEW!**	3-PFM	.96	.72	.54
TLV1117-15IKVURG3	296-19669-2-ND	1.5V, LDO Voltage Regulator **NEW!**	3-PFM		780.00/2,500	
TLV1117-18IKVURG3	296-20657-1-ND	1.8V, LDO Voltage Regulator **NEW!**	TO-252	.96	.72	.54
TLV1117-18IKVURG3	296-20657-2-ND	1.8V, LDO Voltage Regulator **NEW!**	TO-252		780.00/2,500	
TLV1117-33CDRJR	296-19749-1-ND	3.3V, LDO Voltage Regulator **NEW!**	8-SON	.88	.66	.50
TLV1117-33CDRJR	296-19749-2-ND	3.3V, LDO Voltage Regulator **NEW!**	8-SON		293.00/1,000	
TLV1117-33IKVURG3	296-20658-1-ND	3.3V, LDO Voltage Regulator **NEW!**	TO-252	.96	.72	.54
TLV1117-33IKVURG3	296-20658-2-ND	3.3V, LDO Voltage Regulator **NEW!**	TO-252		780.00/2,500	
TLV1117-50IDCYRG3	296-19634-1-ND	5V, LDO Voltage Regulator **NEW!**	SOT-223-4	.80	.60	.45
TLV1117-50IDCYRG3	296-19634-2-ND	5V, LDO Voltage Regulator **NEW!**	SOT-223-4		650.00/2,500	
TLV1117-50IKVURG3	296-19670-1-ND	5V, LDO Voltage Regulator **NEW!**	3-PFM	.96	.72	.54
TLV1117-50IKVURG3	296-19670-2-ND	5V, LDO Voltage Regulator **NEW!**	3-PFM		780.00/2,500	
TLV2217-18KCS	296-18905-1-ND	1.8V LDO PnP Fixed Voltage Regulator	TO-220	.84	.70	—
TLV2217-18KCS	296-18905-2-ND	1.8V LDO PnP Fixed Voltage Regulator	TO-220		28.00/50	
TLV2217-18KTPR	296-18906-1-ND	1.8V LDO PnP Fixed Voltage Regulator	2-PFM	.84	.70	.56
TLV2217-18KTPR	296-18906-2-ND	1.8V LDO PnP Fixed Voltage Regulator	2-PFM		1092.00/3,000	
TLV2217-18KVURG3	296-19519-1-ND	1.8V LDO PnP Fixed Voltage Regulator	3-PFM	.84	.70	.56
TLV2217-18KVURG3	296-19519-2-ND	1.8V LDO Pnp Fixed Voltage Regulator	3-PFM		910.00/2,500	
TLV2217-25KC	296-17624-ND	2.5V LDO PnP Fixed Voltage Regulator	TO-220	1.32	1.10	.88
TLV2217-25KTPR	296-16031-1-ND	2.5V LDO PnP Fixed Voltage Regulator	2-PFM	.84	.70	.56
TLV2217-25KTPR	296-16031-2-ND	2.5V LDO PnP Fixed Voltage Regulator	2-PFM		1092.00/3,000	
TLV2217-25PWR	296-18907-1-ND	2.5V LDO PnP Fixed Voltage Reg.	20-TSSOP	.84	.70	.56
TLV2217-25PWR	296-18907-2-ND	2.5V LDO PnP Fixed Voltage Reg.	20-TSSOP		744.00/2,000	
TLV2217-33KC	296-10502-5-ND	3.3V LDO PnP Fixed Voltage Reg.	TO-220AB	1.32	1.10	.88
TLV2217-33KTPR	296-10503-1-ND	3.3V LDO PnP Fixed Voltage Regulator	2-PFM	.84	.70	.56
TLV2217-33KTPR	296-10503-2-ND	3.3V LDO PnP Fixed Voltage Regulator	2-PFM		1092.00/3,000	
TLV2217-33KVURG3	296-19786-1-ND	3.3V LDO PnP Fixed Voltage Regulator **NEW!**	3-PFM	.84	.70	.56
TLV2217-33KVURG3	296-19786-2-ND	3.3V LDO PnP Fixed Voltage Regulator **NEW!**	3-PFM		910.00/2,500	
TLV2217-33PWR	296-12368-1-ND	3.3V LDO PnP Fixed Voltage Reg.	20-TSSOP	.84	.70	.56
TLV2217-33PWR	296-12368-2-ND	3.3V LDO PnP Fixed Voltage Reg.	20-TSSOP		744.00/2,000	
TPPM0110DWPR	296-10872-1-ND	5V, 1mA Dual LDO Regulator	20-HSOP	3.60	2.88	2.24
TPPM0110DWPR	296-10872-2-ND	5V, 1mA Dual LDO Regulator	20-HSOP		4080.00/2,000	
TPPM0111DWP	296-12507-5-ND	Dual LDO Linear Regulator	20-HSOP	3.60	2.88	2.24
TPPM0301DR	296-10873-1-ND	5V, 400mA LDO Voltage Regulator	8-SOIC	3.65	2.92	2.27
TPPM0301DR	296-10873-2-ND	5V, 400mA LDO Voltage Regulator	8-SOIC		5102.50/2,500	
TPPM0302DGN	296-10874-5-ND	5V, 400mA LDO Voltage Regulator	8-MSOP	3.65	2.92	2.27
TPPM0303DR	296-10875-1-ND	5V, 250mA LDO Regulator	8-SOIC	2.45	1.97	1.53
TPPM0303DR	296-10875-2-ND	5V, 250mA LDO Regulator	8-SOIC		3432.50/2,500	
TPS71H01QPWPR	296-8051-1-ND	Adjustable 500mA LDO Regulator	20-HTSSOP	4.95	3.96	3.08
TPS71H01QPWPR	296-8051-2-ND	Adjustable 500mA LDO Regulator	20-HTSSOP		5610.00/2,000	
TPS73HD301PWP	296-2666-5-ND	Dual Adjustable LDO Regulator	28-HTSSOP	4.73	3.78	2.94
TPS73HD318PWP	296-2667-5-ND	Dual 1.8/3.3V 750mA LDO Reg.	28-HTSSOP	4.73	3.78	2.94
TPS73HD318PWPR	296-2667-1-ND	Dual 1.8/3.3V 750mA LDO Reg.	28-HTSSOP	4.73	3.78	2.94
TPS73HD318PWPR	296-2667-2-ND	Dual 1.8/3.3V 750mA LDO Reg.	28-HTSSOP		5356.00/2,000	
TPS73HD325PWPR	296-8071-1-ND	Dual 2.5/3.3V 750mA LDO Reg.	28-HTSSOP	4.73	3.78	2.94
TPS73HD325PWPR	296-8071-2-ND	Dual 2.5/3.3V 750mA LDO Reg.	28-HTSSOP		5356.00/2,000	
TPS712XXEVM-050	296-17873-ND	Evaluation Module for TPS712XX-050		14.23	—	—
TPS715A01DRBT	296-17614-1-ND	1.2V-15V, 80mA LDO Linear Regulator	8-SON	1.44	1.20	.96
TPS715A01DRBT	296-17614-2-ND	1.2V-15V, 80mA LDO Linear Regulator	8-SON		180.00/250	
TPS715A33DRBT	296-17615-1-ND	3.3V, 80mA LDO Linear Regulator	8-SON	1.44	1.20	.96
TPS715A33DRBT	296-17615-2-ND	3.3V, 80mA LDO Linear Regulator	8-SON		180.00/250	
TPS767D301PWP	296-2740-5-ND	Dual Adj./3.3V LDO Regulator	28-HTSSOP	4.50	3.60	2.80
TPS767D301PWPR	296-19002-5-ND	Dual Adj./3.3V LDO Regulator	28-HTSSOP	5.18	4.14	3.22
TPS767D318PWPR	296-19003-5-ND	Dual 1.8/3.3V LDO Regulator	28-HTSSOP	5.18	4.14	3.22
TPS767D318PWP	296-2741-5-ND	Dual 1.8/3.3V LDO Regulator	28-HTSSOP	4.50	3.60	2.80
TPS767D325PWP	296-2742-5-ND	Dual 2.5/3.3V LDO Regulator	28-HTSSOP	4.50	3.60	2.80
TPS767D325QPWPR1	296-17532-1-ND	Dual 2.5/3.3V LDO Regulator	28-HTSSOP	5.18	4.14	3.22
TPS767D325QPWPR1	296-17532-2-ND	Dual 2.5/3.3V LDO Regulator	28-HTSSOP		5866.00/2,000	
TPS2140IPWP	296-12564-5-ND	Adj. LDO and 3.3V Switch with Dual Current Limit	14-HTSSOP	2.48	1.98	1.54
TPS2141IPWP	296-12565-5-ND	Adj. LDO and 5V Switch with Dual Current Limit	14-HTSSOP	2.48	1.98	1.54
TPS2150IPWP	296-12566-5-ND	Adj. LDO and 3.3V Switch with Dual Current Limit	14-HTSSOP	2.48	1.98	1.54
TPS2151IPWP	296-12567-5-ND	Adj. LDO and 5V Switch with Dual Current Limit	14-HTSSOP	2.48	1.98	1.54
TPS7101QDR	296-1359-1-ND	Adj. 1.2V-9.75V, 2A LDO Regulator	8-SOIC	2.81	2.25	1.75
TPS7101QDR	296-1359-2-ND	Adj. 1.2V-9.75V, 2A LDO Regulator	8-SOIC		3937.50/2,500	
TPS7101QP	296-8041-5-ND	Adj. 1.2V-9.75V, 2A LDO Regulator	8-Dip	2.81	2.25	1.75
TPS7101QPWR	296-8042-1-ND	Adj. 1.2V-9.75V, 2A LDO Regulator	20-TSSOP	2.81	2.25	1.75
TPS7101QPWR	296-8042-2-ND	Adj. 1.2V-9.75V, 2A LDO Regulator	20-TSSOP		3188.00/2,000	
TPS7133QD	296-2658-5-ND	3.3V, 500mA PMOS LDO Regulator	8-SOIC	2.81	2.25	1.75
TPS7133QP	296-8046-5-ND	3.3V, 500mA PMOS LDO Regulator	8-Dip	2.81	2.25	1.75
TPS7133QPWR	296-8047-1-ND	3.3V, 500mA PMOS LDO Regulator	20-TSSOP	2.81	2.25	1.75
TPS7133QPWR	296-8047-2-ND	3.3V, 500mA PMOS LDO Regulator	20-TSSOP		3188.00/2,000	
TPS7148QD	296-1961-5-ND	4.85V, 500mA LDO Regulator	8-SOIC	2.81	2.25	1.75
TPS7148QP	296-8048-5-ND	4.85V, 500mA LDO Regulator	8-Dip	2.81	2.25	1.75
TPS7150QD	296-8049-5-ND	5V, 500mA LDO Regulator	8-SOIC	2.81	2.25	1.75
TPS7150QP	296-8050-5-ND	5V, 500mA LDO Regulator	8-Dip	2.81	2.25	1.75
TPS7201QD	296-1360-5-ND	Adjustable 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7201QDR	296-1360-1-ND	Adjustable 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7201QDR	296-1360-2-ND	Adjustable 250mA LDO Regulator	8-SOIC		1920.00/2,500	
TPS7201QP	296-8052-5-ND	Adjustable 250mA LDO Regulator	8-Dip	1.50	1.20	.90
TPS7201QPWR	296-8053-1-ND	Adjustable 250mA LDO Regulator	8-TSSOP	1.50	1.20	.90
TPS7201QPWR	296-8053-2-ND	Adjustable 250mA LDO Regulator	8-TSSOP		1560.00/2,000	
TPS7225QD	296-1962-5-ND	2.5V, 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7225QP	296-1963-5-ND	2.5V, 250mA LDO Regulator	8-Dip	1.50	1.20	.90
TPS7225QPWR	296-8054-1-ND	2.5V, 250mA LDO Regulator	8-TSSOP	1.50	1.20	.90
TPS7225QPWR	296-8054-2-ND	2.5V, 250mA LDO Regulator	8-TSSOP		1560.00/2,000	
TPS7230QD	296-1964-5-ND	3.0V, 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7230QP	296-1965-5-ND	3.0V, 250mA LDO Regulator	8-Dip	1.50	1.20	.90
TPS7230QPWR	296-8055-1-ND	3.0V, 250mA LDO Regulator	8-TSSOP	1.50	1.20	.90
TPS7230QPWR	296-8055-2-ND	3.0V, 250mA LDO Regulator	8-TSSOP		1560.00/2,000	
TPS7233QD	296-1966-5-ND	3.3V, 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7233QP	296-8056-5-ND	3.3V, 250mA LDO Regulator	8-Dip	1.50	1.20	.90
TPS7233QPWR	296-8057-1-ND	3.3V, 250mA LDO Regulator	8-TSSOP	1.50	1.20	.90
TPS7233QPWR	296-8057-2-ND	3.3V, 250mA LDO Regulator	8-TSSOP		1560.00/2,000	
TPS7248QD	296-8058-5-ND	4.85V, 250mA PMOS LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7248QP	296-2659-5-ND	4.85V, 250mA PMOS LDO Regulator	8-Dip	1.50	1.20	.90
TPS7250QD	296-1361-5-ND	5.0V, 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7250QDR	296-1361-1-ND	5.0V, 250mA LDO Regulator	8-SOIC	1.50	1.20	.90
TPS7250QDR	296-1361-2-ND	5.0V, 250mA LDO Regulator	8-SOIC		1920.00/2,500	
TPS7250QP	296-8059-5-ND	5.0V, 250mA LDO Regulator	8-Dip	1.50	1.20	.90
TPS7250QPWR	296-8060-1-ND	5.0V, 250mA LDO Regulator	8-TSSOP	1.50	1.20	.90
TPS7250QPWR	296-8060-2-ND	5.0V, 250mA LDO Regulator	8-TSSOP		1560.00/2,000	
TPS7301QD	296-1362-5-ND	Adjustable 500mA LDO Regulator	8-SOIC	2.36	1.89	1.47
TPS7301QDR	296-1362-1-ND	Adjustable 500mA LDO Regulator	8-SOIC	2.36	1.89	1.47
TPS7301QDR	296-1362-2-ND	Adjustable 500mA LDO Regulator	8-SOIC		3307.50/2,500	
TPS7301QP	296-2660-5-ND	Adjustable 500mA LDO Regulator	8-Dip	2.36	1.89	1.47
TPS7301QPW	296-8061-5-ND	Adjustable 500mA LDO Regulator	20-TSSOP	2.36	1.89	1.47
TPS7325QD	296-2661-5-ND	2.5V, 500mA LDO Regulator with Delayed Reset	8-SOIC	2.48	1.98	1.49
TPS7325QP	296-8062-5-ND	2.5V, 500mA LDO Regulator with Delayed Reset	8-Dip	2.48	1.98	1.49
TPS7325QPWR	296-8063-1-ND	2.5V, 500mA LDO Regulator with Delayed Reset	20-TSSOP	2.48	1.98	1.49
TPS7325QPWR	296-8063-2-ND	2.5V, 500mA LDO Regulator with Delayed Reset	20-TSSOP		2574.00/2,000	
TPS7330QD	296-2662-5-ND	3.0V, 500mA LDO Regulator with Delayed Reset	8-SOIC	2.48	1.98	1.49
TPS7330QDR	296-2662-1-ND	3.0V, 500mA LDO Regulator with Delayed Reset	8-SOIC	2.48	1.98	1.49
TPS7330QDR	296-2662-2-ND	3.0V, 500mA LDO Regulator with Delayed Reset	8-SOIC		3167.50/2,500	
TPS7330QP	296-8064-5-ND	3.0V, 500mA LDO Regulator with Delayed Reset	8-Dip	2.48	1.98	1.49
TPS7330QPWR	296-8065-1-ND	3.0V, 500mA LDO Regulator with Delayed Reset	20-TSSOP	2.48	1.98	1.49
TPS7330QPWR	296-8065-2-ND	3.0V, 500mA LDO Regulator with Delayed Reset	20-TSSOP		2574.00/2,000	
TPS7333QD	296-8066-5-ND	3.3V, 500mA LDO Regulator with Delayed Reset	8-SOIC	2.48	1.98	1.49
TPS7333QDR	296-8066-1-ND	3.3V, 500mA LDO Regulator with Delayed Reset	8-SOIC	2.48	1.98	1.49
TPS7333QDR	296-8066-2-ND	3.3V, 500mA LDO Regulator with Delayed Reset	8-SOIC		3167.50/2,500	
TPS7333QP	296-2663-5-ND	3.3V, 500mA LDO Regulator with Delayed Reset	8-Dip	2.48	1.98	1.49

(Continued)

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T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TPS72525DCQR	296-12698-2-ND	2.5V, 1A LDO Linear Regulator	SOT-223-5		3465.00/2,500	
TPS72525KTTT	296-12697-1-ND	2.5V, 1A LDO Linear Regulator	TO-263-5	2.93	2.34	—
TPS72525KTT	296-12697-2-ND	2.5V, 1A LDO Linear Regulator	TO-263-5		91.00/50	
TPS72615DCQR	296-12958-1-ND	1.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5	2.48	1.98	1.54
TPS72615DCQR	296-12958-2-ND	1.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5		3465.00/2,500	
TPS72615KTTT	296-13751-1-ND	1.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5	2.93	2.34	—
TPS72615KTTT	296-13751-2-ND	1.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5		91.00/50	
TPS72616DCQR	296-13705-1-ND	1.6V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5	2.48	1.98	1.54
TPS72616DCQR	296-13705-2-ND	1.6V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5		3465.00/2,500	
TPS72616KTTT	296-13752-1-ND	1.6V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5	2.93	2.34	—
TPS72616KTTT	296-13752-2-ND	1.6V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5		91.00/50	
TPS72618DCQR	296-12959-1-ND	1.8V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5	2.48	1.98	1.54
TPS72618DCQR	296-12959-2-ND	1.8V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5		3465.00/2,500	
TPS72618KTTT	296-13753-1-ND	1.8V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5	2.93	2.34	—
TPS72618KTTT	296-13753-2-ND	1.8V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5		91.00/50	
TPS72625DCQR	296-12960-1-ND	2.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5	2.48	1.98	1.54
TPS72625DCQR	296-12960-2-ND	2.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	SOT-223-5		3465.00/2,500	
TPS72625KTTT	296-13754-1-ND	2.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5	2.93	2.34	—
TPS72625KTTT	296-13754-2-ND	2.5V, 1A Low Input Voltage, LDO Linear Regulator with Supervisor	DDPAK-5		91.00/50	
TPS73001DBVT	296-17576-1-ND	1.22V-5.5V LDO Regulator	SOT-23-5	.84	.63	.48
TPS73001DBVT	296-17576-2-ND	1.22V-5.5V LDO Regulator	SOT-23-5		87.25/250	
TPS73018DBVT	296-17577-1-ND	1.8V LDO Regulator	SOT-23-5	.84	.63	.48
TPS73018DBVT	296-17577-2-ND	1.8V LDO Regulator	SOT-23-5		87.25/250	
TPS73025DBVR	296-17578-1-ND	2.5V LDO Regulator	SOT-23-5	.76	.57	.43
TPS73025DBVR	296-17578-2-ND	2.5V LDO Regulator	SOT-23-5		741.00/3,000	
TPS73028DBVT	296-18063-1-ND	2.8V, 200mA, Low Noise, High PSRR, LDO Linear Regulator	SOT-23-5	.84	.63	.48
TPS73028DBVT	296-18063-2-ND	2.8V, 200mA, Low Noise, High PSRR, LDO Linear Regulator	SOT-23-5		87.25/250	
TPS73028YZQT	296-18734-1-ND	2.8V, 200mA, Low Noise, High PSRR, LDO Linear Regulator	5-DSBGA	.78	.65	.52
TPS73028YZQT	296-18734-2-ND	2.8V, 200mA, Low Noise, High PSRR, LDO Linear Regulator	5-DSBGA		97.50/250	
TPS73030DBVT	296-17579-1-ND	3V LDO Regulator	SOT-23-5	.84	.63	.48
TPS73030DBVT	296-17579-2-ND	3V LDO Regulator	SOT-23-5		87.25/250	
TPS73033DBVR	296-17580-1-ND	3.3V LDO Regulator	SOT-23-5	.76	.57	.43
TPS73033DBVR	296-17580-2-ND	3.3V LDO Regulator	SOT-23-5		741.00/3,000	
TPS73101DBVT	296-15800-1-ND	Adj., 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73101DBVT	296-15800-2-ND	Adj., 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73115DBVT	296-15801-1-ND	1.5V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73115DBVT	296-15801-2-ND	1.5V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73118DBVT	296-15802-1-ND	1.8V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73118DBVT	296-15802-2-ND	1.8V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73125DBVT	296-15803-1-ND	2.5V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73125DBVT	296-15803-2-ND	2.5V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73130DBVT	296-15804-1-ND	3V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73130DBVT	296-15804-2-ND	3V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73132DBVT	296-17422-1-ND	3.2V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73132DBVT	296-17422-2-ND	3.2V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73133DBVT	296-15805-1-ND	3.3V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73133DBVT	296-15805-2-ND	3.3V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73150DBVT	296-15806-1-ND	5V, 150mA LDO Regulator	SOT-23-5	1.44	1.20	.96
TPS73150DBVT	296-15806-2-ND	5V, 150mA LDO Regulator	SOT-23-5		180.00/250	
TPS73201DBVT	296-15807-1-ND	Adj., 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73201DBVT	296-15807-2-ND	Adj., 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73201DCQR	296-16861-1-ND	Adj., 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73201DCQR	296-16861-2-ND	Adj., 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73201DRBT	296-18079-1-ND	Adj., 250mA LDO Regulator	8-SON	1.78	1.42	1.07
TPS73201DRBT	296-18079-2-ND	Adj., 250mA LDO Regulator	8-SON		248.50/250	
TPS73201QDBVRQ1	296-19676-1-ND	Adj., 250mA LDO Regulator **NEW!**	SOT-23-5	1.90	1.52	1.14
TPS73201QDBVRQ1	296-19676-2-ND	Adj., 250mA LDO Regulator **NEW!**	SOT-23-5		1976.00/2,000	
TPS73215DBVT	296-15808-1-ND	1.5V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73215DBVT	296-15808-2-ND	1.5V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73215DCQR	296-16862-1-ND	1.5V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73215DCQR	296-16862-2-ND	1.5V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73216DBVT	296-17423-1-ND	1.6V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73216DBVT	296-17423-2-ND	1.6V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73218DBVT	296-15809-1-ND	1.8V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73218DBVT	296-15809-2-ND	1.8V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73218DCQR	296-16863-1-ND	1.8V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73218DCQR	296-16863-2-ND	1.8V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73225DBVT	296-15810-1-ND	2.5V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73225DBVT	296-15810-2-ND	2.5V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73225DCQR	296-16864-1-ND	2.5V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73225DCQR	296-16864-2-ND	2.5V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73230DBVT	296-15811-1-ND	3V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73230DBVT	296-15811-2-ND	3V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73230DCQR	296-16865-1-ND	3V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73230DCQR	296-16865-2-ND	3V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73233DBVT	296-15812-1-ND	3.3V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73233DBVT	296-15812-2-ND	3.3V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73233DCQR	296-16866-1-ND	3.3V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73233DCQR	296-16866-2-ND	3.3V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73250DBVT	296-15813-1-ND	5V, 250mA LDO Regulator	SOT-23-5	1.78	1.42	1.07
TPS73250DBVT	296-15813-2-ND	5V, 250mA LDO Regulator	SOT-23-5		248.50/250	
TPS73250DCQR	296-16867-1-ND	5V, 250mA LDO Regulator	SOT-223-5	1.78	1.42	1.07
TPS73250DCQR	296-16867-2-ND	5V, 250mA LDO Regulator	SOT-223-5		2272.50/2,500	
TPS73601DBVT	296-15814-1-ND	Adj., 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73601DBVT	296-15814-2-ND	Adj., 400mA LDO Regulator	SOT-23-5		315.00/250	

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TPS73601DCQR	296-16909-1-ND	Adj., 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73601DCQR	296-16909-2-ND	Adj., 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73601DRBT	296-17620-1-ND	Adj., 400mA LDO Regulator	8-SON	2.38	1.90	1.43
TPS73601DRBT	296-17620-2-ND	Adj., 400mA LDO Regulator	8-SON		332.50/250	
TPS73615DBVT	296-15815-1-ND	1.5V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73615DBVT	296-15815-2-ND	1.5V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73615DCQR	296-16910-1-ND	1.5V, 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73615DCQR	296-16910-2-ND	1.5V, 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73615DRBT	296-18640-1-ND	1.5V, 400mA LDO Regulator	8-SON	2.38	1.90	1.43
TPS73615DRBT	296-18640-2-ND	1.5V, 400mA LDO Regulator	8-SON		332.50/250	
TPS73618DBVT	296-15816-1-ND	1.8V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73618DBVT	296-15816-2-ND	1.8V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73618DCQR	296-16911-1-ND	1.8V, 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73618DCQR	296-16911-2-ND	1.8V, 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73625DBVT	296-15817-1-ND	2.5V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73625DBVT	296-15817-2-ND	2.5V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73625DCQR	296-16912-1-ND	2.5V, 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73625DCQR	296-16912-2-ND	2.5V, 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73630DBVT	296-15818-1-ND	3V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73630DBVT	296-15818-2-ND	3V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73630DCQR	296-16913-1-ND	3V, 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73630DCQR	296-16913-2-ND	3V, 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73632DBVT	296-17424-1-ND	3.2V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73632DBVT	296-17424-2-ND	3.2V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73633DBVT	296-15819-1-ND	3.3V, 400mA LDO Regulator	SOT-23-5	2.25	1.80	1.35
TPS73633DBVT	296-15819-2-ND	3.3V, 400mA LDO Regulator	SOT-23-5		315.00/250	
TPS73633DCQR	296-16914-1-ND	3.3V, 400mA LDO Regulator	SOT-223-5	2.25	1.80	1.35
TPS73633DCQR	296-16914-2-ND	3.3V, 400mA LDO Regulator	SOT-223-5		2880.00/2,500	
TPS73633DRBT	296-17884-1-ND	3.3V, 400mA LDO Regulator	8-SON	2.25	1.80	1.35
TPS73633DRBR	296-17884-2-ND	3.3V, 400mA LDO Regulator	8-SON		3456.00/3,000	
TPS73633EVM-066	296-19001-ND	Evaluation Module for TPS73633-066	—	14.23	—	—
TPS73643DBVR	296-17498-1-ND	4.3V, 400mA LDO Regulator	SOT-23-5	2.03	1.62	1.22
TPS73643DBVR	296-17498-2-ND	4.3V, 400mA LDO Regulator	SOT-23-5		3111.00/3,000	
TPS73701DCQ	296-19481-5-ND	Adj., 1A, LDO Regulator	SOT-223-6	1.50	1.20	.90
TPS74201RGWR	296-19890-1-ND	Adj., 1.5A LDO with Prog. SS **NEW!**	20-QFN	5.06	4.05	3.15
TPS74201RGWR	296-19890-2-ND	Adj., 1.5A LDO with Prog. SS **NEW!**	20-QFN		8505.00/3,000	
TPS74201RGWT	296-19891-1-ND	Adj., 1.5A LDO with Prog. SS **NEW!**	20-QFN	5.06	4.05	3.38
TPS74201RGWT	296-19891-2-ND	Adj., 1.5A LDO with Prog. SS **NEW!**	20-QFN		812.50/250	
TPS74301RGWT	296-19892-1-ND	Adj., 1.5A LDO Regulator **NEW!**	20-QFN	5.00	4.00	3.38
TPS74301RGWT	296-19892-2-ND	Adj., 1.5A LDO Regulator **NEW!**	20-QFN		812.50/250	
TPS74401RGWT	296-19893-1-ND	Adj., 3A LDO Regulator **NEW!**	20-QFN	6.50	5.20	4.39
TPS74401RGWT	296-19893-2-ND	Adj., 3A LDO Regulator **NEW!**	20-QFN		1056.25/250	
TPS75101QPWP	296-2673-5-ND	Adj., 1.5A LDO Regulator	20-HTSSOP	3.60	2.88	2.24
TPS75115QPWP	296-2674-5-ND	1.5V, 1.5A LDO Regulator	20-HTSSOP	3.60	2.88	2.24
TPS75118QPWP	296-2675-5-ND	1.8V, 1.5A LDO Regulator	20-HTSSOP	3.60	2.88	2.24
TPS75125QPWP	296-2676-5-ND	2.5V, 1.5A LDO Regulator	20-HTSSOP	3.60	2.88	2.24
TPS75133QPWP	296-2677-5-ND	3.3V, 1.5A LDO Regulator	20-HTSSOP	3.60	2.88	2.24
TPS75201QPWP	296-2678-5-ND	Adj., 2A LDO Regulator	20-HTSSOP	4.05	3.24	2.52
TPS75215QPWP	296-2679-5-ND	1.5V, 2A LDO Regulator	20-HTSSOP	4.05	3.24	2.52
TPS75215QPWPREP	296-18154-1-ND	1.5V, 2A LDO Regulator	20-HTSSOP	7.66	6.13	5.18
TPS75215QPWPREP	296-18154-2-ND	1.5V, 2A LDO Regulator	20-HTSSOP		9576.00/2,000	
TPS75218QPWP	296-2680-5-ND	1.8V, 2A LDO Regulator	20-HTSSOP	4.05	3.24	2.52
TPS75218QPWPRQ1	296-15279-1-ND	1.8V, 2A LDO Regulator	20-HTSSOP	4.73	3.78	2.94
TPS75218QPWPRQ1	296-15279-2-ND	1.8V, 2A LDO Regulator	20-HTSSOP		5356.00/2,000	
TPS75225QPWP	296-2681-5-ND	2.5V, 2A LDO Regulator	20-HTSSOP	4.05	3.24	2.52
TPS75233QPWP	296-2682-5-ND	3.3V, 2A LDO Regulator	20-HTSSOP	4.05	3.24	2.52
TPS75233QPWPRQ1	296-15280-1-ND	3.3V, 2A LDO Regulator	20-HTSSOP	4.73	3.78	2.94
TPS75233QPWPRQ1	296-15280-2-ND	3.3V, 2A LDO Regulator	20-HTSSOP		5356.00/2,000	
TPS75301QPWP	296-2683-5-ND	Adj., 1.5A LDO Regulator	20-HTSSOP	3.63	2.90	2.38
TPS75301QPWPRQ1	296-15281-1-ND	Adj., 1.5A LDO Regulator	20-HTSSOP	4.50	3.60	2.80
TPS75301QPWPRQ1	296-15281-2-ND	Adj., 1.5A LDO Regulator	20-HTSSOP		5100.00/2,000	
TPS75315QPWP	296-2684-5-ND	1.5V, 1.5A LDO Regulator	20-HTSSOP	3.83	3.06	2.38
TPS75318QPWP	296-2685-5-ND	1.8V, 1.5A LDO Regulator	20-HTSSOP	3.83	3.06	2.38
TPS75318QPWPRQ1	296-15282-1-ND	1.8V, 1.5A LDO Regulator	20-HTSSOP	4.50	3.60	2.80
TPS75318QPWPRQ1	296-15282-2-ND	1.8V, 1.5A LDO Regulator	20-HTSSOP		5100.00/2,000	
TPS75325QPWP	296-2686-5-ND	2.5V, 1.5A LDO Regulator	20-HTSSOP	3.83	3.06	2.38
TPS75333QPWP	296-2687-5-ND	3.3V, 1.5A LDO Regulator	20-HTSSOP	3.83	3.06	2.38
TPS75333QPWPRQ1	296-15283-1-ND	3.3V, 1.5A LDO Regulator	20-HTSSOP	4.50	3.60	2.80
TPS75333QPWPRQ1	296-15283-2-ND	3.3V, 1.5A LDO Regulator	20-HTSSOP		5100.00/2,000	
TPS75401QPWP	296-2688-5-ND	Adjustable, 2A LDO Regulator	20-HTSSOP	3.94	3.15	2.45
TPS75415QPWP	296-2689-5-ND	1.5V, 2A LDO Regulator	20-HTSSOP	3.94	3.15	2.45
TPS75418QPWP	296-2690-5-ND	1.8V, 2A LDO Regulator	20-HTSSOP	3.94	3.15	2.45
TPS75425QPWP	296-2691-5-ND	2.5V, 2A LDO Regulator	20-HTSSOP	3.94	3.15	2.45
TPS75433QPWP	296-2692-5-ND	3.3V, 2A LDO Regulator	20-HTSSOP	3.94	3.15	2.45
TPS75501KC	296-10988-5-ND	Adj., 5A LDO Regulator	TO-220	6.00	4.80	4.05
TPS75501KTTT	296-15992-1-ND	Adj., 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75501KTTT	296-15992-2-ND	Adj., 5A LDO Regulator	TO-263-5		202.50/50	
TPS75515KC	296-10990-5-ND	1.5V, 5A LDO Regulator	TO-220	6.00	4.80	4.05
TPS75515KTTT	296-15911-1-ND	1.5V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75515KTTT	296-15911-2-ND	1.5V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75518KC	296-10992-5-ND	1.8V, 5A LDO Regulator	TO-220	6.00	4.80	4.05
TPS75518KTTT	296-15912-1-ND	1.8V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75518KTTT	296-15912-2-ND	1.8V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75525KC	296-10994-5-ND	2.5V, 5A LDO Regulator	TO-220	6.00	4.80	4.05
TPS75525EVM	296-13591-ND	Evaluation Module for TPS75525 **NEW!**	—	62.78	—	—
TPS75525KTTT	296-15913-1-ND	2.5V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75525KTTT	296-15913-2-ND	2.5V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75533KC	296-10996-5-ND	3.3V, 5A LDO Regulator	TO-220	6.00	4.80	4.05
TPS75533KTTT	296-15914-1-ND	3.3V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75533KTTT	296-15914-2-ND	3.3V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75601KC	296-11947-5-ND	Adj., 5A LDO Regulator	TO-220-5	6.00	4.80	4.05
TPS75601KTTT	296-15915-1-ND	Adj., 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75601KTTT	296-15915-2-ND	Adj., 5A LDO Regulator	TO-263-5		202.50/50	
TPS75615KC	296-11949-5-ND	1.5V, 5A LDO Regulator	TO-220-5	6.00	4.80	4.05
TPS75615KTTT	296-15916-1-ND	1.5V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75615KTTT	296-15916-2-ND	1.5V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75618KC	296-11951-5-ND	1.8V, 5A LDO Regulator	TO-220-5	6.00	4.80	4.05
TPS75618KTTT	296-15917-1-ND	1.8V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75618KTTT	296-15917-2-ND	1.8V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75625KC	296-11953-5-ND	2.5V, 5A LDO Regulator	TO-220-5	6.00	4.80	4.05
TPS75625KTTT	296-15918-1-ND	2.5V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75625KTTT	296-15918-2-ND	2.5V, 5A LDO Regulator	TO-263-5		202.50/50	
TPS75633KC	296-11955-5-ND	3.3V, 5A LDO Regulator	TO-220-5	6.00	4.80	4.05
TPS75633KTTT	296-15919-1-ND	3.3V, 5A LDO Regulator	TO-263-5	6.00	4.80	—
TPS75633KTTT	296-15919-2-ND	3.3V, 5A LDO Regulator	TO-263-5		202.50/50	

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TPS78601KTTT	296-14421-1-ND	1.2V to 5.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78601KTTT	296-14421-2-ND	1.2V to 5.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78618DCQR	296-13758-1-ND	1.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78618DCQR	296-13758-2-ND	1.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6		4252.50/2,500	
TPS78618KTTT	296-14422-1-ND	1.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78618KTTT	296-14422-2-ND	1.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78625DCQR	296-13757-1-ND	2.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78625DCQR	296-13757-2-ND	2.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6		4252.50/2,500	
TPS78625KTTT	296-14423-1-ND	2.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78625KTTT	296-14423-2-ND	2.5V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78628DCQR	296-13758-1-ND	2.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78628DCQR	296-13758-2-ND	2.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6		4252.50/2,500	
TPS78628KTTT	296-14424-1-ND	2.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78628KTTT	296-14424-2-ND	2.8V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78630DCQR	296-13759-1-ND	3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78630DCQR	296-13759-2-ND	3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6		4252.50/2,500	
TPS78630KTTT	296-14425-1-ND	3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78630KTTT	296-14425-2-ND	3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78633DCQ	296-13760-5-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78633DCQR	296-13760-1-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6	3.04	2.43	1.89
TPS78633DCQR	296-13760-2-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	SOT-223-6		4252.50/2,500	
TPS78633EVM-207	296-20625-ND	Evaluation Module for TPS78633 **NEW!**	—	62.78	—	—
TPS78633KTTT	296-14426-1-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5	3.60	2.88	—
TPS78633KTTT	296-14426-2-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 1.5A LDO Regulator	DDPAK-5		112.00/50	
TPS78825DBVR	296-12379-1-ND	150mA, 2.5V, Low-Noise LDO with In-Rush Current Control	SOT-23-5	1.14	.95	.76
TPS78825DBVR	296-12379-2-ND	150mA, 2.5V, Low-Noise LDO with In-Rush Current Control	SOT-23-5		1482.00/3,000	
TPS78833DBVR	296-12380-1-ND	150mA, 3.3V, Low-Noise LDO with In-Rush Current Control	SOT-23-5	1.14	.95	.76
TPS78833DBVR	296-12380-2-ND	150mA, 3.3V, Low-Noise LDO with In-Rush Current Control	SOT-23-5		1482.00/3,000	
TPS78833EVM	296-13592-ND	Evaluation Module for TPS78833 **NEW!**	—	62.78	—	—
TPS78915DBVR	296-8146-1-ND	1.5V, 100mA LDO Regulator	SOT-23-5	.90	.75	.60
TPS78915DBVR	296-8146-2-ND	1.5V, 100mA LDO Regulator	SOT-23-5		1170.00/3,000	
TPS78918DBVR	296-8147-1-ND	1.8V, 100mA LDO Regulator	SOT-23-5	.90	.75	.60
TPS78918DBVR	296-8147-2-ND	1.8V, 100mA LDO Regulator	SOT-23-5		1170.00/3,000	
TPS78925DBVR	296-8148-1-ND	2.5V, 100mA LDO Regulator	SOT-23-5	.90	.75	.60
TPS78925DBVR	296-8148-2-ND	2.5V, 100mA LDO Regulator	SOT-23-5		1170.00/3,000	
TPS78928DBVR	296-8149-1-ND	2.8V, 100mA LDO Regulator	SOT-23-5	.90	.75	.60
TPS78928DBVR	296-8149-2-ND	2.8V, 100mA LDO Regulator	SOT-23-5		1170.00/3,000	
TPS78930DBVR	296-8150-1-ND	3.0V, 100mA LDO Regulator	SOT-23-5	.90	.75	.60
TPS78930DBVR	296-8150-2-ND	3.0V, 100mA LDO Regulator	SOT-23-5		1170.00/3,000	
TPS79015DBVR	296-8151-1-ND	1.5V, 50mA LDO Regulator	SOT-23-5	1.08	.90	.72
TPS79015DBVR	296-8151-2-ND	1.5V, 50mA LDO Regulator	SOT-23-5		1404.00/3,000	
TPS79018DBVR	296-8152-1-ND	1.8V, 50mA LDO Regulator	SOT-23-5	1.08	.90	.72
TPS79018DBVR	296-8152-2-ND	1.8V, 50mA LDO Regulator	SOT-23-5		1404.00/3,000	
TPS79025DBVR	296-8153-1-ND	2.5V, 50mA LDO Regulator	SOT-23-5	1.08	.90	.72
TPS79025DBVR	296-8153-2-ND	2.5V, 50mA LDO Regulator	SOT-23-5		1404.00/3,000	
TPS79028DBVR	296-8154-1-ND	2.8V, 50mA LDO Regulator	SOT-23-5	1.08	.90	.72
TPS79028DBVR	296-8154-2-ND	2.8V, 50mA LDO Regulator	SOT-23-5		1404.00/3,000	
TPS79030DBVR	296-8155-1-ND	3V, 50mA LDO Regulator	SOT-23-5	1.08	.90	.72
TPS79030DBVR	296-8155-2-ND	3V, 50mA LDO Regulator	SOT-23-5		1404.00/3,000	
TPS79101DBVR	296-11864-1-ND	Adj., 100mA LDO Regulator	SOT-23-6	1.20	1.00	.80
TPS79101DBVR	296-11864-2-ND	Adj., 100mA LDO Regulator	SOT-23-6		1560.00/3,000	
TPS79101DBVRQ1	296-15302-1-ND	Adj., 100mA LDO Regulator	SOT-23-5	1.41	1.18	.94
TPS79101DBVRQ1	296-15362-2-ND	Adj., 100mA LDO Regulator	SOT-23-5		1833.00/3,000	
TPS79118DBVR	296-11864-1-ND	1.8V, 100mA LDO Regulator	SOT-23-5	1.20	1.00	.80
TPS79118DBVR	296-11865-2-ND	1.8V, 100mA LDO Regulator	SOT-23-5		1560.00/3,000	
TPS79118DBVRQ1	296-15303-1-ND	1.8V, 100mA LDO Regulator	SOT-23-5	1.41	1.18	.94
TPS79118DBVRQ1	296-15303-2-ND	1.8V, 100mA LDO Regulator	SOT-23-5		1833.00/3,000	
TPS79133DBVR	296-11866-1-ND	3.3V, 100mA LDO Regulator	SOT-23-5	1.20	1.00	.80
TPS79133DBVR	296-11866-2-ND	3.3V, 100mA LDO Regulator	SOT-23-5		1560.00/3,000	
TPS79133DBVRQ1	296-15304-1-ND	3.3V, 100mA LDO Regulator	SOT-23-5	1.41	1.18	.94
TPS79133DBVRQ1	296-15304-2-ND	3.3V, 100mA LDO Regulator	SOT-23-5		1833.00/3,000	
TPS79147DBVR	296-11867-1-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5	1.20	1.00	.80
TPS79147DBVR	296-11867-2-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5		1560.00/3,000	
TPS79147DBVREP	296-18169-1-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5	2.13	1.70	1.28
TPS79147DBVREP	296-18169-2-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5		3264.00/3,000	
TPS79147DBVT	296-13707-1-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5	1.32	1.10	.88
TPS79147DBVT	296-13707-2-ND	4.7V, Ultralow Noise, High PSRR, Fast RF 100mA LDO Linear Regulator	SOT-23-5		165.00/250	
TPS79201DBVR	296-11868-1-ND	Adj., 100mA LDO Regulator	SOT-23-6	1.20	1.00	.80
TPS79201DBVR	296-11868-2-ND	Adj., 100mA LDO Regulator	SOT-23-6		1560.00/3,000	
TPS79225DBVR	296-11869-1-ND	2.5V, 100mA LDO Regulator	SOT-23-5	1.20	1.00	.80
TPS79225DBVR	296-11869-2-ND	2.5V, 100mA LDO Regulator	SOT-23-5		1560.00/3,000	
TPS79228DBVR	296-11870-1-ND	2.8V, 100mA LDO Regulator	SOT-23-5	1.20	1.00	.80
TPS79228DBVR	296-11870-2-ND	2.8V, 100mA LDO Regulator	SOT-23-5		1560.00/3,000	
TPS79230DBVR	296-11871-1-ND	3V, 100mA LDO Regulator	SOT-23-5	1.20	1.00	.80
TPS79230DBVR	296-11871-2-ND	3V, 100mA LDO Regulator	SOT-23-5		1560.00/3,000	
TPS79230DBVT	296-19004-1-ND	3V, 100mA LDO Regulator	SOT-23-5	1.32	1.10	.88
TPS79230DBVT	296-19004-2-ND	3V, 100mA LDO Regulator	SOT-23-5		165.00/250	
TPS79301DBVR	296-12154-1-ND	Adj., 200mA High PSRR RF LDO Regulator	SOT-23-6	.88	.66	.50
TPS79301DBVR	296-12154-2-ND	Adj., 200mA High PSRR RF LDO Regulator	SOT-23-6		858.00/3,000	
TPS79301DBVREP	296-18170-1-ND	Adj., 200mA, High PSRR RF LDO Regulator	SOT-23-6	2.28	1.82	1.37
TPS79301DBVREP	296-18170-2-ND	Adj., 200mA, High PSRR RF LDO Regulator	SOT-23-6		3495.00/3,000	
TPS79301DBVRQ1	296-15305-1-ND	Adj., 200mA High PSRR RF LDO Regulator	SOT-23-6	.78	.65	.52
TPS79301DBVRQ1	296-15305-2-ND	Adj., 200mA High PSRR RF LDO Regulator	SOT-23-6		1014.00/3,000	
TPS79301EVM	296-13593-ND	Evaluation Module for TPS79301 **NEW!**	—	62.78	—	—
TPS79318DBVR	296-12155-1-ND	1.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.88	.66	.50
TPS79318DBVR	296-12155-2-ND	1.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5		858.00/3,000	
TPS79318DBVREP	296-18171-1-ND	1.8V, 200mA, High PSRR RF LDO Regulator	SOT-23-5	2.28	1.82	1.37
TPS79318DBVREP	296-18171-2-ND	1.8V, 200mA, High PSRR RF LDO Regulator	SOT-23-5		3495.00/3,000	
TPS79318DBVRQ1	296-15306-1-ND	1.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.78	.65	.52
TPS79318DBVRQ1	296-15306-2-ND	1.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5		1014.00/3,000	
TPS79318YEQEVM	296-19005-ND	Evaluation Module for TPS79318YEQ	—	14.23	—	—
TPS79318YEQT	296-17026-1-ND	1.8V, 200mA, High PSRR RF LDO Reg.	5-CSP	.87	.73	.58
TPS79318YEQT	296-17026-2-ND	1.8V, 200mA, High PSRR RF LDO Regulator	5-CSP		108.75/250	
TPS79318YZQR	296-18064-1-ND	1.8V, 200mA, High PSRR RF LDO Regulator	5-DSBGA	.81	.68	.54
TPS79318YZQR	296-18064-2-ND	1.8V, 200mA, High PSRR RF LDO Regulator	5-DSBGA		1053.00/3,000	
TPS79325DBVR	296-12156-1-ND	2.5V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.88	.66	.50
TPS79325DBVR	296-12156-2-ND	2.5V, 200mA High PSRR RF LDO Regulator	SOT-23-5		858.00/3,000	
TPS79325DBVRQ1	296-15307-1-ND	2.5V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.78	.65	.52
TPS79325DBVRQ1	296-15307-2-ND	2.5V, 200mA High PSRR RF LDO Regulator	SOT-23-5		1014.00/3,000	
TPS79325YEQEVM	296-19006-ND	Evaluation Module for TPS79325YEQ	—	14.23	—	—
TPS79325YEQT	296-17233-1-ND	2.5V, 200mA High PSRR RF LDO Regulator	5-WCSP	.87	.73	.58
TPS79325YEQT	296-17233-2-ND	2.5V, 200mA High PSRR RF LDO Regulator	5-WCSP		108.75/250	
TPS79328DBVR	296-12158-1-ND	2.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.88	.66	.50
TPS79328DBVR	296-12158-2-ND	2.8V, 200mA High PSRR RF LDO Regulator	SOT-23-5		858.00/3,000	
TPS79328EVM	296-13594-ND	Evaluation Module for TPS79328 **NEW!**	—	62.78	—	—
TPS79328YEQEVM	296-19008-ND	Evaluation Module for TPS79328YEQ	—	14.23	—	—
TPS79328YEQT	296-19009-ND	2.8V, 200mA High PSRR RF LDO Regulator	5-DSBGA	.87	.73	.58
TPS79328YZQT	296-18735-1-ND	2.8V, 200mA High PSRR RF LDO Regulator	5-DSBGA	.87	.73	.58
TPS79328YZQT	296-18735-2-ND	2.8V, 200mA High PSRR RF LDO Regulator	5-DSBGA		108.75/250	
TPS79330DBVR	296-12159-1-ND	3V, 200mA High PSRR RF LDO Regulator	SOT-23-5	.88	.66	.50
TPS79330DBVR	296-12159-2-ND	3V, 200mA High PSRR RF LDO Regulator	SOT-23-5		858.00/3,000	
TPS79330YEQEVM	296-19010-ND	Evaluation Module for TPS79330YEQ	—	14.23	—	—
TPS79330YEQT	296-16968-1-ND	3V, 200mA High PSRR, RF LDO Regulator	5-DSBGA	.87	.73	.58
TPS79330YEQT	296-16968-2-ND	3V, 200mA High PSRR, RF LDO Regulator	5-DSBGA		108.75/250	
TPS79330YZQR	296-19894-1-ND	3V, 200mA High PSRR, RF LDO Regulator **NEW!**	5-DSBGA	.81	.68	.54
TPS79330YZQR	296-19894-2-ND	3V, 200mA High PSRR, RF LDO Regulator **NEW!**	5-DSBGA		1053.00/3,000	
TPS79333DBVR	296-12961-1-ND	3.3V, 200mA, Ultralow Noise, High PSRR, Fast RF LDO Regulator	SOT-23-5	.88	.66	.50
TPS79333DBVR	296-12961-2-ND	3.3V, 200mA, Ultralow Noise, High PSRR, Fast RF LDO Regulator	SOT-23-5		858.00/3,000	
TPS79333DBVREP	296-18172-1-ND	3.3V, 200mA, Ultralow Noise, High PSRR, Fast RF LDO Regulator	SOT-23-5	2.28	1.82	1.37
TPS79333DBVREP	296-18172-2-ND	3.3V, 200mA, Ultralow Noise, High PSRR, Fast RF LDO Regulator	SOT-23-5		3495.00/3,000	
TPS79333DBVRQ1	296-15308-1-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 200mA LDO Regulator	SOT-23-5	.78	.65	.52
TPS79333DBVRQ1	296-15308-2-ND	3.3V, Ultralow Noise, High PSRR, Fast RF 200mA LDO Regulator	SOT-23-5		1014.00/3,000	
TPS79401DCQR	296-14427-1-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	SOT-223-6	1.63	1.30	.98
TPS79401DCQR	296-14427-2-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	SOT-223-6		2080.00/2,500	
TPS79401DGNR	296-13526-1-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	8-MSOP	1.63	1.30	.98
TPS79401DGNR	296-13526-2-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	8-MSOP		2080.00/2,500	
TPS79401DGNT	296-14428-1-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	8-MSOP	1.75	1.40	1.05
TPS79401DGNT	296-14428-2-ND	Adj., Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	8-MSOP		245.00/250	
TPS79418DCQR	296-14429-1-ND	1.8V, Ultralow Noise, High PSRR, Fast RF 250mA, LDO Linear Regulator	SOT-223-6	1.63	1.30	.98

(Continued)

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Voltage Regulators						
TL1431QDR	296-17021-1-ND	Adj. Programmable Shunt Regulator	8-SOIC	1.20	.90	.66
TL1431QDR	296-17021-2-ND	Adj. Programmable Shunt Regulator	8-SOIC		975.00/2,500	
TL1431QDREP	296-18135-1-ND	Adj. Programmable Shunt Regulator	8-SOIC	2.25	1.80	1.35
TL1431QDREP	296-18135-2-ND	Adj. Programmable Shunt Regulator	8-SOIC		2880.00/2,500	
TL2216-285PWR	296-10163-1-ND	2.85V, SOSI Fixed Regulator	20-TSSOP	3.31	2.65	2.05
TL2216-285PWR	296-10163-2-ND	2.85V, SOSI Fixed Regulator	20-TSSOP		3748.00/2,500	
TL431ACDBVR	296-1348-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.56	.42	.32
TL431ACDBVR	296-1348-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		546.00/3,000	
TL431ACDBZR	296-18910-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.56	.42	.32
TL431ACDBZR	296-18910-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		546.00/3,000	
TL431ACLP	296-10729-5-ND	Low Voltage Adj. Shunt Regulator	TO-92	.56	.42	.32
TL431AID	296-10724-5-ND	Low Voltage Adj. Shunt Regulator	8-SOIC	.64	.48	.36
TL431AIDBVR	296-1984-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.64	.48	.36
TL431AIDBVR	296-1984-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		576.00/3,000	
TL431AIDBZR	296-18913-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.64	.48	.36
TL431AIDBZR	296-18913-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		624.00/3,000	
TL431AIDR	296-15032-1-ND	Low Voltage Adj. Shunt Regulator	8-SOIC	.64	.48	.36
TL431AIDR	296-15032-2-ND	Low Voltage Adj. Shunt Regulator	8-SOIC		520.00/2,500	
TL431AILP	296-10725-5-ND	Low Voltage Adj. Shunt Regulator	TO-92	.64	.48	.36
TL431AIPK3	296-18337-1-ND	Low Voltage Adj. Shunt Regulator	SOT-89	.84	.72	.56
TL431AIPK3	296-18337-2-ND	Low Voltage Adj. Shunt Regulator	SOT-89		372.00/1,000	
TL431BCDBVR	296-17568-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.84	.65	.48
TL431BCDBVR	296-17568-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		819.00/3,000	
TL431BCDBZR	296-17569-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.84	.65	.48
TL431BCDBZR	296-17569-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		819.00/3,000	
TL431BCDCKR	296-17794-1-ND	Low Voltage Adj. Shunt Regulator	SC70-6	.88	.68	.50
TL431BCDCKR	296-17794-2-ND	Low Voltage Adj. Shunt Regulator	SC70-6		858.00/3,000	
TL431BCLPR	296-17809-1-ND	Low Voltage Adj. Shunt Regulator	TO-92	.84	.63	.48
TL431BCLPR	296-17809-2-ND	Low Voltage Adj. Shunt Regulator	TO-92		567.00/2,000	
TL431BCPK3	296-18338-1-ND	Low Voltage Adj. Shunt Regulator	SOT-89	.78	.65	.52
TL431BCPK3	296-18338-2-ND	Low Voltage Adj. Shunt Regulator	SOT-89		546.00/1,000	
TL431BIDBVR	296-17570-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.92	.69	.52
TL431BIDBVR	296-17570-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		897.00/3,000	
TL431BIDBZR	296-17571-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.92	.69	.52
TL431BIDBZR	296-17571-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		897.00/3,000	
TL431BIDCKR	296-17795-1-ND	Low Voltage Adj. Shunt Regulator	SC70-6	.96	.72	.54
TL431BIDCKR	296-17795-2-ND	Low Voltage Adj. Shunt Regulator	SC70-6		936.00/3,000	
TL431BILPR	296-17810-1-ND	Low Voltage Adj. Shunt Regulator	TO-92	.92	.69	.52
TL431BILPR	296-17810-2-ND	Low Voltage Adj. Shunt Regulator	TO-92		612.00/2,000	
TL431BIPK3	296-18339-1-ND	Low Voltage Adj. Shunt Regulator	SOT-89	.87	.73	.58
TL431BIPK3	296-18339-2-ND	Low Voltage Adj. Shunt Regulator	SOT-89		386.00/1,000	
TL431BQDBVR	296-17572-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.99	.80	.66
TL431BQDBVR	296-17572-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		1287.00/3,000	
TL431BQDBZR	296-17573-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.99	.80	.66
TL431BQDBZR	296-17573-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		1287.00/3,000	
TL431BQDCKR	296-17796-1-ND	Low Voltage Adj. Shunt Regulator	SC70-6	1.05	.88	.70
TL431BQDCKR	296-17796-2-ND	Low Voltage Adj. Shunt Regulator	SC70-6		1065.00/3,000	
TL431BQLPR	296-17811-1-ND	Low Voltage Adj. Shunt Regulator	TO-92	.99	.80	.66
TL431BQLPR	296-17811-2-ND	Low Voltage Adj. Shunt Regulator	TO-92		678.00/2,000	
TL431BQPK3	296-18340-1-ND	Low Voltage Adj. Shunt Regulator	SOT-89	1.17	.98	.78
TL431BQPK3	296-18340-2-ND	Low Voltage Adj. Shunt Regulator	SOT-89		515.00/1,000	
TL431CDBVR	296-13616-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.92	.39	.30
TL431CDBVR	296-13616-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		507.00/3,000	
TL431CDBZR	296-13617-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.92	.39	.30
TL431CDBZR	296-13617-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		507.00/3,000	
TL431CLP	296-10727-5-ND	Low Voltage Adj. Shunt Regulator	TO-92	.92	.39	.30
TL431IDBVR	296-13617-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5	.60	.45	.34
TL431IDBVR	296-13617-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23-5		585.00/3,000	
TL431IDBZR	296-18915-1-ND	Low Voltage Adj. Shunt Regulator	SOT-23	.60	.45	.34
TL431IDBZR	296-18915-2-ND	Low Voltage Adj. Shunt Regulator	SOT-23		585.00/3,000	
TL431IDCKR	296-15543-5-ND	Low Voltage Adj. Shunt Regulator	SC70-6	.80	.45	.34
TL431IPK3	296-15543-1-ND	Low Voltage Adj. Shunt Regulator	SOT-89	.78	.65	.52
TL431IPK3	296-15541-2-ND	Low Voltage Adj. Shunt Regulator	SOT-89		346.00/1,000	
TLV1431ACDBVR	296-17967-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.98	.51	.39
TLV1431ACDBVR	296-17967-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		663.00/3,000	
TLV1431ACDBZR	296-17968-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.69	.51	.38
TLV1431ACDBZR	296-17968-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		663.00/3,000	
TLV1431ACDCKR	296-18043-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.76	.57	.43
TLV1431ACDCKR	296-18043-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		741.00/3,000	
TLV1431ACPK	296-18619-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV1431ACPK	296-18619-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	
TLV1431ACPKS3	296-18342-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.63	.48
TLV1431ACPKS3	296-18342-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		279.00/1,000	
TLV1431AIDBVR	296-17969-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.76	.57	.43
TLV1431AIDBVR	296-17969-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		741.00/3,000	
TLV1431AIDBZR	296-17970-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.76	.57	.43
TLV1431AIDBZR	296-17970-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		741.00/3,000	
TLV1431AIDCKR	296-18044-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.84	.63	.48
TLV1431AIDCKR	296-18044-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		819.00/3,000	
TLV1431AIPK	296-18620-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.63	.48
TLV1431AIPK	296-18620-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		279.00/1,000	
TLV1431AIPK3	296-18343-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.96	.72	.54
TLV1431AIPK3	296-18343-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		319.00/1,000	
TLV1431AQDBVR	296-17971-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.78	.65	.52
TLV1431AQDBVR	296-17971-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		1014.00/3,000	
TLV1431AQDBZR	296-17972-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.78	.65	.52
TLV1431AQDBZR	296-17972-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		1014.00/3,000	
TLV1431AQDCKR	296-18045-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.84	.70	.56
TLV1431AQDCKR	296-18045-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		1092.00/3,000	
TLV1431AQPK	296-18621-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.70	.56
TLV1431AQPK	296-18621-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		372.00/1,000	
TLV1431AQPK3	296-18344-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.93	.78	.62
TLV1431AQPK3	296-18344-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		412.00/1,000	
TLV1431BCDBVR	296-17684-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.92	.69	.52
TLV1431BCDBVR	296-17684-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		897.00/3,000	
TLV1431BCDBZR	296-17685-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.92	.69	.52
TLV1431BCDBZR	296-17685-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		897.00/3,000	
TLV1431BCDCKR	296-17797-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.75	.57	.43
TLV1431BCDCKR	296-17797-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		975.00/3,000	
TLV1431BCLPR	296-17812-1-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92	.92	.69	.52
TLV1431BCLPR	296-17812-2-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92		612.00/2,000	
TLV1431BCPK	296-18622-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.75	.57	.50
TLV1431BCPK	296-18622-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		333.00/1,000	
TLV1431BCPK3	296-18345-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.94	.70	.56
TLV1431BCPK3	296-18345-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		372.00/1,000	

T.I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TLV1431BIDBVR	296-17685-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.75	.63	.50
TLV1431BIDBVR	296-17686-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		975.00/3,000	
TLV1431BIDBZR	296-17687-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.75	.63	.50
TLV1431BIDBZR	296-17687-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		975.00/3,000	
TLV1431BIDCKR	296-17798-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.81	.66	.54
TLV1431BIDCKR	296-17798-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		1053.00/3,000	
TLV1431BILPR	296-17813-1-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92	.75	.63	.50
TLV1431BILPR	296-17813-2-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92		666.00/2,000	
TLV1431BIPK	296-18623-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.81	.68	.54
TLV1431BIPK	296-18623-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		359.00/1,000	
TLV1431BIPK3	296-18346-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.90	.75	.50
TLV1431BIPK3	296-18346-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		399.00/1,000	
TLV1431BQDBVR	296-17688-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	1.05	.88	.70
TLV1431BQDBVR	296-17688-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		1365.00/3,000	
TLV1431BQDBZR	296-17689-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	1.05	.88	.70
TLV1431BQDCKR	296-17799-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		1365.00/3,000	
TLV1431BQDCKR	296-17799-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	1.11	.93	.74
TLV1431BQDCKR	296-17799-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		1443.00/3,000	
TLV1431BQLPR	296-17814-1-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92	1.05	.88	.70
TLV1431BQLPR	296-17814-2-ND	Low Volt. Adj. Precision Shunt Reg.	TO-92		932.00/2,000	
TLV1431BQPK	296-18624-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	1.11	.93	.74
TLV1431BQPK	296-18624-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		492.00/1,000	
TLV1431BQPK3	296-19347-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	1.23	1.03	.82
TLV1431BQPK3	296-19347-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		545.00/1,000	
TLV1431CDBVR	296-18046-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.60	.45	.34
TLV1431CDBVR	296-18046-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		585.00/3,000	
TLV1431CDBZR	296-17973-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.60	.45	.34
TLV1431CDBZR	296-17973-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		585.00/3,000	
TLV1431CDCKR	296-18047-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.68	.51	.39
TLV1431CDCKR	296-18047-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		663.00/3,000	
TLV1431CPK	296-18625-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.68	.51	.39
TLV1431CPK	296-18625-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		228.00/1,000	
TLV1431CPKS3	296-19348-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV1431CPKS3	296-19348-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	
TLV1431IDBVR	296-18048-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.68	.51	.39
TLV1431IDBVR	296-18048-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		663.00/3,000	
TLV1431IDBZR	296-17974-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.68	.51	.39
TLV1431IDBZR	296-17974-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		663.00/3,000	
TLV1431IDCKR	296-18049-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.76	.57	.43
TLV1431IDCKR	296-18049-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		741.00/3,000	
TLV1431IPK	296-18626-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV1431IPK	296-18626-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	
TLV1431IPKS3	296-19349-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.63	.48
TLV1431IPKS3	296-19349-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		279.00/1,000	
TLV1431QDBVR	296-18050-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5	.92	.69	.52
TLV1431QDBVR	296-18050-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23-5		897.00/3,000	
TLV1431QDBZR	296-17975-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.92	.69	.52
TLV1431QDBZR	296-17975-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		897.00/3,000	
TLV1431QDCKR	296-18051-1-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6	.75	.58	.50
TLV1431QDCKR	296-18051-2-ND	Low Volt. Adj. Precision Shunt Reg.	SC70-6		975.00/3,000	
TLV1431QPK	296-18627-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.75	.63	.50
TLV1431QPK	296-18627-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		333.00/1,000	
TLV1431QPKS3	296-19350-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.70	.56
TLV1431QPKS3	296-19350-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		372.00/1,000	
TLV432ACDBZR	296-17976-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.88	.51	.39
TLV432ACDBZR	296-17976-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		663.00/3,000	
TLV432ACPK	296-18628-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV432ACPK	296-18628-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	
TLV432ACPKS3	296-19351-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.63	.48
TLV432ACPKS3	296-19351-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		279.00/1,000	
TLV432AIDBZR	296-17977-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.76	.57	.43
TLV432AIDBZR	296-17977-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		741.00/3,000	
TLV432AIPK	296-18629-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.63	.48
TLV432AIPK	296-18629-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		279.00/1,000	
TLV432AIPKS3	296-19352-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.96	.72	.54
TLV432AIPKS3	296-19352-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		319.00/1,000	
TLV432AQDBZR	296-17978-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.78	.65	.52
TLV432AQDBZR	296-17978-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		1014.00/3,000	
TLV432AQPK	296-18630-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.70	.56
TLV432AQPK	296-18630-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		372.00/1,000	
TLV432AQPKS3	296-19353-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.93	.78	.62
TLV432AQPKS3	296-19353-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		412.00/1,000	
TLV432BCDBZR	296-17979-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.92	.69	.52
TLV432BCDBZR	296-17979-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		897.00/3,000	
TLV432BCPK	296-18631-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.75	.63	.50
TLV432BCPK	296-18631-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		333.00/1,000	
TLV432BCPKS3	296-19354-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.84	.70	.56
TLV432BCPKS3	296-19354-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		372.00/1,000	
TLV432BIDBZR	296-17980-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.75	.63	.50
TLV432BIDBZR	296-17980-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		975.00/3,000	
TLV432BIPK	296-18632-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.81	.68	.54
TLV432BIPK	296-18632-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		359.00/1,000	
TLV432BIPKS3	296-19355-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.90	.75	.60
TLV432BIPKS3	296-19355-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		399.00/1,000	
TLV432BQDBZR	296-17981-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	1.05	.88	.70
TLV432BQDBZR	296-17981-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		1365.00/3,000	
TLV432BQPK	296-18633-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	1.11	.93	.74
TLV432BQPK	296-18633-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		492.00/1,000	
TLV432BQPKS3	296-19356-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	1.23	1.03	.82
TLV432BQPKS3	296-19356-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		545.00/1,000	
TLV432CDBZR	296-17982-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.60	.45	.34
TLV432CDBZR	296-17982-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		585.00/3,000	
TLV432CPK	296-18634-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.68	.51	.39
TLV432CPK	296-18634-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		228.00/1,000	
TLV432CPKS3	296-19357-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV432CPKS3	296-19357-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	
TLV432IDBZR	296-17983-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23	.68	.51	.39
TLV432IDBZR	296-17983-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-23		663.00/3,000	
TLV432IPK	296-18635-1-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89	.76	.57	.43
TLV432IPK	296-18635-2-ND	Low Volt. Adj. Precision Shunt Reg.	SOT-89		253.00/1,000	

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

TEXAS INSTRUMENTS — REALTIME CLOCKS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
BQ3285LFSS-A1	296-6518-5-ND	ACPI Compliant RTC w/(240x8) NVSRAM	24-SOP	4.73	3.78	2.94
BQ3285P-SB2	296-2601-5-ND	Real Time Clock	24-Dip	4.73	3.78	2.94
BQ3285S-SB2	296-6519-5-ND	RTC with (114x8) NVSRAM	24-SOP	4.73	3.78	2.94
BQ3287AMT-SB2	296-6520-5-ND	RTC Module with (114x8) NVSRAM	T-MOD	6.38	5.11	4.31
BQ3287EAMT	296-6521-5-ND	RTC Module with (242x8) NVSRAM/Alarm Wake-up	T-MOD	6.38	5.11	4.31
BQ3287EMT	296-6522-5-ND	RTC Module with (242x8) NVSRAM/Alarm Wake-up	T-MOD	6.38	5.11	4.31
BQ3287MT-I	296-6523-5-ND	RTC Module with (114x8) NVSRAM	T-MOD	6.38	5.11	4.31
BQ3287MT-SB2	296-6524-5-ND	RTC Module with (114x8) NVSRAM	T-MOD	6.38	5.11	4.31
BQ4285EP	296-6525-5-ND	RTC with (114x8) NVSRAM Alarm Wake-up	24-Dip	5.29	4.23	3.29
BQ4285P-SB2	296-6527-5-ND	RTC with (114x8) NVSRAM/NVSRAM Control	24-Dip	5.29	4.23	3.29
BQ4285S-SB2	296-6528-5-ND	RTC with (114x8) NVSRAM/NVSRAM Control	24-SOP	5.29	4.23	3.29
BQ4287MT-SB2	296-6529-5-ND	RTC Module with (114x8) NVSRAM/NVSRAM Control	T-MOD	7.22	5.78	4.88
BQ4802LYDSH	296-15352-5-ND	Parallel 3.3V RTC with CPU Supervisor/ External NVSRAM Control	SNAPHAT*	6.80	5.44	4.59
BQ4802YDSH	296-15353-5-ND	Parallel 5V RTC with CPU Supervisor/ External NVSRAM Control	SNAPHAT*	6.80	5.44	4.59
BQ4802LYDW	296-19936-ND	Parallel 3V RTC with CPU Supervisor/ External NVSRAM Control ***NEW!***	28-SOIC	5.00	4.00	3.38
BQ4802LYDWR	296-6530-1-ND	Parallel 3V RTC with CPU Supervisor/ External NVSRAM Control	28-SOIC	5.63	4.50	3.50
BQ4802LYDWR	296-6530-2-ND	Parallel 3V RTC with CPU Supervisor/ External NVSRAM Control	28-SOIC		3125.00/1,000	
BQ4802LYPW	296-12757-5-ND	Parallel 3V RTC with CPU Supervisor/ External NVSRAM Control	28-TSSOP	5.00	4.00	3.38
BQ4802YDW	296-6531-5-ND	Parallel 5V RTC with CPU Supervisor/ External NVSRAM Control	28-SOIC	5.00	4.00	3.38
BQ4802YPW	296-12758-5-ND	Parallel 3V RTC with CPU Supervisor/ External NVSRAM Control	28-TSSOP	5.00	4.00	3.38
BQ4822YMA-70	296-6532-5-ND	RTC Module with (8Kx8) NVSRAM/Watchdog Timer	A-MOD	13.29	11.97	10.62
BQ4830YMA-85	296-6533-5-ND	RTC Module with (32Kx8) NVSRAM	A-MOD	14.69	13.23	11.74
BQ4832YMA-85	296-6534-5-ND	RTC Module with (32Kx8) NVSRAM/Watchdog Timer	A-MOD	15.75	14.70	13.65
BQ4842YMA-85	296-6535-5-ND	RTC Module with (128Kx8) NVSRAM/Watchdog Timer	A-MOD	18.27	17.06	15.84
BQ4845P-A4	296-6536-5-ND	RTC w/NVSRAM Control/ Watchdog Timer	28-Dip	5.00	4.00	3.38
BQ4845S-A4	296-6537-5-ND	RTC with NVSRAM Control/ Watchdog Timer	28-SOIC	5.00	4.00	3.38
BQ4845S-A4N	296-6538-5-ND	RTC with NVSRAM Control/ Watchdog Timer	28-SOIC	5.00	4.00	3.38
BQ4845YS-A4	296-6539-5-ND	RTC with NVSRAM Control/ Watchdog Timer	28-SOIC	5.00	4.00	3.38
BQ4845YS-A4N	296-6540-5-ND	RTC with NVSRAM Control/ Watchdog Timer	28-SOIC	5.00	4.00	3.38
BQ4847MT	296-6541-5-ND	RTC with NVSRAM Control/ Watchdog Timer	T-MOD	8.32	6.66	5.62
BQ4847YMT	296-6542-5-ND	RTC with NVSRAM Control/ Watchdog Timer	T-MOD	8.32	6.66	5.62
BQ4850YMA-85	296-6543-5-ND	RTC Module with (512Kx8) NVSRAM	A-MOD	35.63	33.25	30.88
BQ4852YMC-85	296-6544-5-ND	RTC Module with (512Kx8) NVSRAM/Watchdog Timer	C-MOD	36.54	34.11	31.67

*SNAPHAT requires the BQ48SH-28x6 to complete the two piece module.

TEXAS INSTRUMENTS — SIGNAL CONTROLLERS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Audio Processors / CODECs						
AIC111EVM	296-18386-ND	Evaluation Module for AIC111	—	62.78	—	—
AIC111RHB	296-15335-ND	1.3V MicroPower DSP Voice Band Audio CODEC	32-QFN	8.30	6.64	5.61
AICDEVPLATEVM	296-18387-ND	Development Platform for DSP-CODEC	—	62.78	—	—
SRC4184IPAG	296-17309-ND	4-Channel Async. Sample Rate Converter	64-TQFP	12.50	11.25	9.98
SRC4190IDB	296-15337-5-ND	192kHz Stereo Async. Sample Rate Converter	28-SSOP	8.56	6.85	5.78
SRC4192EVM	296-18834-ND	Evaluation Module for SRC4192	—	254.96	—	—
SRC4192IDB	296-15234-5-ND	192kHz Stereo Async. Sample Rate Converter	28-SSOP	11.88	10.70	9.49
SRC4193IDB	296-15235-5-ND	192kHz Stereo Async. Sample Rate Converter	28-SSOP	13.46	12.12	10.75
SRC4194EVM	296-17284-ND	Evaluation Module for SRC4194	—	254.96	—	—
SRC4194IPAG	296-17310-ND	4-Channel Async. Sample Rate Converter	64-TQFP	18.75	17.50	16.25
SRC4382IPFBR	296-19757-1-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP	12.50	11.25	9.98
SRC4382IPFBR	296-19757-2-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP		9263.00/1,000	
SRC4382IPFBT	296-19783-1-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP	12.50	11.25	9.98
SRC4382IPFBT	296-19783-2-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP		2390.75/250	
SRC4392IPFBR	296-19740-1-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP	16.58	14.93	13.24
SRC4392IPFBR	296-19740-2-ND	2-Channel, Async. Sample Rate Converter ***NEW!***	48-TQFP		12288.00/1,000	
TAS1020BPFB	296-13041-5-ND	Stereo USB Audio Interface	48-TQFP	6.06	4.87	4.11
TAS3001CPW	296-2208-5-ND	Stereo Digital Equalizer	28-TSSOP	4.12	3.30	2.57
TAS3002PFB	296-9977-ND	Digital Audio Processor with CODEC	48-TQFP	7.10	5.68	4.80
TAS3004PFB	296-9978-ND	Digital Audio Processor with CODEC	48-TQFP	7.70	6.16	5.20
TAS3103ADBT	296-19553-5-ND	48-Bit Digital Audio Processor	38-TSSOP	8.30	6.64	5.61
TAS3103DBT	296-13820-5-ND	48-Bit Digital Audio Processor	38-TSSOP	8.30	6.64	5.61
TAS3108DCP	296-20652-5-ND	8-Ch. Prog. Audio DSP ***NEW!***	38-TSSOP	8.50	7.65	6.79
TAS3108IADCP	296-20653-5-ND	8-Ch. Prog. Audio DSP ***NEW!***	36-TSSOP	9.58	8.63	7.65
TAS5001IPFB	296-12556-ND	Digital Audio PWM Processor	48-TQFP	5.30	4.24	3.58
TAS5001PFB	296-12212-ND	Digital Audio PWM Processor	48-TQFP	5.40	4.32	3.36
TAS5010IPFB	296-12557-ND	Digital Audio PWM Processor	48-TQFP	8.70	5.36	4.53
TAS5010PFB	296-12213-ND	Digital Audio PWM Processor	48-TQFP	6.00	4.80	4.05
TAS5012IPFB	296-12558-ND	Digital Audio PWM Processor	48-TQFP	10.33	9.30	8.25
TAS5012PFB	296-12214-ND	Digital Audio PWM Processor	48-TQFP	9.25	8.33	7.39
TAS5028APAG	296-14401-ND	Digital Audio PWM Processor	64-TQFP	9.63	8.67	7.69
TAS5508PAG	296-17116-ND	8-Ch. Digital Audio PWM Processor	64-TQFP	9.80	7.84	6.62
TAS5036APFC	296-13856-ND	6-Ch. Digital Audio PWM Processor	80-TQFP	19.58	18.27	16.97
TAS5036BPFC	296-14976-ND	6-Ch. Digital Audio PWM Processor	80-TQFP	15.69	14.65	13.60
TAS5066PAG	296-16772-ND	24-Bit, 6-Channel Digital PWM	64-TQFP	9.63	8.67	7.69
TAS5076PFC	296-16643-ND	24-Bit, 6-Channel Digital PWM	80-TQFP	18.56	17.32	16.09
TAS5086DBT	296-17808-1-ND	Audio 6-Channel PWM Processor	38-TSSOP	3.60	2.88	—
TAS5086DBT	296-17808-2-ND	Audio 6-Channel PWM Processor	38-TSSOP		112.00/50	
TAS5504APAG	296-19509-ND	4-Ch. Digital Audio PWM Processor	64-TQFP	7.00	5.60	4.73
TAS5504PAG	296-18034-ND	4-Ch. Digital Audio PWM Processor	64-TQFP	7.00	5.60	4.73
TAS5508APAG	296-17475-ND	8-Ch. Digital Audio PWM Processor	64-TQFP	10.00	7.50	6.65
TAS5508BPAG	296-19417-ND	8-Ch. Digital Audio PWM Processor	64-TQFP	8.33	7.50	6.65
TAS5508PAG	296-17020-ND	8-Ch. Digital Audio PWM Processor	64-TQFP	10.55	9.50	8.42
TAS5518PAG	296-17249-ND	8-Ch. Digital Pulse Width Modulator	64-TQFP	13.24	11.93	10.58
TLC320AC01CPMR	296-1982-1-ND	14-Bit AIC Audio CODEC	64-LQFP	7.02	5.62	4.74
TLC320AC01CPMR	296-1982-2-ND	14-Bit AIC Audio CODEC	64-LQFP		4388.00/1,000	
TLC320AD77CDB	296-2210-5-ND	24-Bit, Stereo CODEC	28-SSOP	6.30	5.04	4.26
TLC320AD545IPT	296-10276-ND	Single Channel CODEC with Hybrid Op Amps	48-LQFP	6.20	4.96	4.19
TLC320AD545PT	296-10277-ND	Single Channel CODEC with Hybrid Op Amps	48-LQFP	6.20	4.96	4.19
TLV320AIC10CPFB	296-2214-ND	3V to 5.5V, 16-Bit, 22KSPS DSP CODEC	48-TQFP	5.40	4.32	3.36
TLV320AIC10EVM	296-10701-ND	Eval. Module for TLV320AIC10 ***NEW!***	—	126.84	—	—
TLV320AIC10IGQER	296-13374-1-ND	3V to 5.5V, 16-Bit, 22KSPS DSP CODEC	80-VFBGA	5.20	4.16	3.51
TLV320AIC10IGQER	296-13374-2-ND	3V to 5.5V, 16-Bit, 22KSPS DSP CODEC	80-VFBGA		8060.00/2,500	
TLV320AIC10IPFB	296-10702-ND	3V to 5.5V, 16-Bit, 22KSPS DSP CODEC	48-TQFP	5.20	4.16	3.51
TLV320AIC12KIDBT	296-19421-5-ND	16-Bit, 26KSPS Mono CODEC	30-TSSOP	3.83	3.06	2.38
TLV320AIC14KIDBT	296-19635-5-ND	16-Bit, 26KSPS Mono CODEC ***NEW!***	30-TSSOP	3.38	2.70	2.10
TLV320AIC20KIPFB	296-17965-ND	16-Bit, 26KSPS, Low Power, Highly Integrated, Prog., Dual-Ch. CODEC	48-TQFP	5.40	4.32	3.65
TLV320AIC23BGQE	296-18992-5-ND	24-Bit Stereo CODEC for Portable Audio	80-VFBGA	6.30	5.04	4.26
TLV320AIC23BIGQE	296-15030-ND	24-Bit Stereo CODEC for Portable Audio	80-VFBGA	7.00	5.60	4.73
TLV320AIC23BIPWR	296-15031-1-ND	Stereo Audio CODEC	28-TSSOP	6.70	5.36	4.53
TLV320AIC23BIPWR	296-15031-2-ND	Stereo Audio CODEC	28-TSSOP		8376.00/2,000	
TLV320AIC23BIZQE	296-15342-ND	24-Bit Stereo CODEC for Portable Audio	80-VFBGA	6.70	5.36	4.53
TLV320AIC23BPW	296-15635-5-ND	8-96KHz, Stereo Audio CODEC	28-TSSOP	6.00	4.80	4.05
TLV320AIC23EQE	296-12026-5-ND	24-Bit Stereo CODEC for Portable Audio	80-VFBGA	6.30	5.04	4.26
TLV320AIC24IPFB	296-12690-ND	16-Bit, 26KSPS, Low Power, Highly Integrated, Prog., Dual-Ch. CODEC	48-TQFP	8.00	6.40	5.40
TLV320AIC24KIPFB	296-17966-ND	16-Bit, 26KSPS, Low Power, Highly Integrated, Prog., Dual-Ch. CODEC	48-TQFP	5.00	4.00	3.38
TLV320AIC25IPFB	296-12713-ND	16-Bit, 26KSPS Dual-Channel CODEC	48-TQFP	8.00	6.40	5.40
TLV320AIC26EVM	296-16886-ND	Audio CODEC Evaluation Module	—	126.84	—	—
TLV320AIC26EVM	296-16857-ND	Audio CODEC Evaluation Module	—	126.84	—	—
TLV320AIC26IRGZ	296-16847-5-ND	Stereo Audio CODEC	48-QFN	7.90	6.32	5.34
TLV320AIC29EVM	296-19787-ND	Evaluation Module for TLV320AIC29 ***NEW!***	—	62.78	—	—
TLV320AIC29EVM-PDK	296-19788-ND	Evaluation Kit for TLV320AIC29 ***NEW!***	—	126.84	—	—
TLV320AIC29IRGZT	296-19439-1-ND	Stereo Audio CODEC	48-QFN	7.60	6.08	5.13
TLV320AIC29IRGZT	296-19439-2-ND	Stereo Audio CODEC	48-QFN		1235.00/250	
TLV320AIC31EVM	296-19475-ND	Evaluation Module for TLV320AIC31	—	62.78	—	—
TLV320AIC31EVM-PDK	296-19476-ND	Eval Kit/Demo for TLV320AIC31	—	190.99	—	—
TLV320AIC31IRHBT	296-19422-1-ND	LP Stereo Audio CODEC	32-QFN	7.60	6.08	5.13
TLV320AIC31IRHBT	296-19422-2-ND	LP Stereo Audio CODEC	32-QFN		1235.00/250	
TLV320AIC32IRHB	296-19336-ND	LP Stereo Audio CODEC	32-QFN	6.90	5.52	4.66
TLV320AIC33IGQE	296-19440-ND	LP Stereo Audio CODEC	80-VFBGA	7.90	6.32	5.34
TLV320AIC33IRGZR	296-19789-1-ND	LP Stereo Audio CODEC ***NEW!***	48-QFN	7.90	6.32	5.34
TLV320AIC33IRGZR	296-19789-2-ND	LP Stereo Audio CODEC ***NEW!***	48-QFN		9874.00/2,000	
TLV320AIC33IZQER	296-19598-1-ND	LP Stereo Audio CODEC	80-BGA	7.90	6.32	5.34
TLV320AIC33IZQER	296-19598-2-ND	LP Stereo Audio CODEC	80-BGA		12245.00/2,500	
TLV320AIC1103PBS	296-13001-1-ND	Programmable PCM CODEC with Microphone Amps and Speaker Driver	32-TQFP	5.60	4.48	3.76
TLV320AIC1103PBSR	296-12748-1-ND	Programmable PCM CODEC with Microphone Amps and Speaker Driver	32-TQFP	5.60	4.48	3.76
TLV320AIC1106PW	296-15634-5-ND	PCM CODEC	20-TSSOP	5.40	4.32	3.63
TLV320AIC1107PWR	296-12709-1-ND	Programmable PCM CODEC with Microphone Amps and Speaker Driver	20-TSSOP	5.40	4.32	3.65
TLV320DAC23GQE	296-12027-5-ND	8-96KHz Stereo Audio DAC	80-VFBGA	4.84	3.87	3.01
TLV320DAC23RHDR	296-15636-1-ND	8-96KHz Stereo Audio DAC	28-PQFP	4.50	3.60	2.90
TLV320DAC23RHDR	296-15636-2-ND	8-96KHz Stereo Audio DAC	28-PQFP		7800.00/3,000	
TLV320DAC26EVM	296-17267-ND	Evaluation Module for TLV320DAC26	—	126.84	—	—
TLV320DAC26IRHB	296-17402-ND	Low Power Stereo Audio DAC	32-QFN	5.90	4.72	3.99
TLV1102PBS	296-13005-5-ND	Voice Band Audio Processor	32-TQFP	5.90	4.77	4.01
TLV1103GQER	296-11085-1-ND	Voice Band Audio Processor	80-VFBGA	6.50	5.20	4.39
TLV1103GQER	296-11095-2-ND	Voice Band Audio Processor	80-VFBGA		10075.00/2,500	
TLW1103TPBSQ1	296-12962-1-ND	Voice Band Audio Processor	32-TQFP	6.72	5.38	4.54
TLW1103TPBSQ1	296-12962-2-ND	Voice Band Audio Processor	32-TQFP		1092.00/250	
TLW1103TPBSRQ1	296-16969-1-ND	Voice Band Audio Processor	32-TQFP	6.76	5.41	4.57
TLW1103TPBSRQ1	296-16969-2-ND	Voice Band Audio Processor	32-TQFP		4225.00/1,000	

TEXAS INSTRUMENTS — TEMPERATURE SENSORS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TMP75AIDGKT	296-18637-1-ND	Digital Temperature Serisor with Two-Wire Interface	8-MSOP	2.00	1.60	1.20
TMP75AIDGKT	296-18637-2-ND	Digital Temperature Serisor with Two-Wire Interface	8-MSOP		280.00/250	
TMP75AIDR	296-17838-1-ND	Digital Temperature Serisor with Two-Wire Interface	8-SOIC	1.75	1.40	1.05
TMP75AIDR	296-17838-2-ND	Digital Temperature Serisor with Two-Wire Interface	8-SOIC		2240.00/2,500	
TMP100MDBVREP	296-19524-1-ND	Digital Temperature Sensor	SOT-23-6	5.06	4.05	3.19
TMP100MDBVREP	296-19524-2-ND	Digital Temperature Sensor	SOT-23-6		8505.00/3,000	
TMP100NA/250	296-12749-1-ND	Digital Temperature Sensor	SOT-23-6	2.13	1.70	1.28

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TEXAS INSTRUMENTS — TEMPERATURE SENSORS (Continued)

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
TMP100NA/250	296-12749-2-ND	Digital Temperature Sensor	SOT-23-6		297.50/250	
TMP101NA/250	296-12750-1-ND	Digital Temperature Sensor w/Alert	SOT-23-6	2.25	1.80	1.35
TMP125NA/250	296-12750-2-ND	Digital Temperature Sensor w/Alert	SOT-23-6		315.00/250	
TMP105YZCT	296-19636-1-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	6-DSBGA	2.25	1.80	1.35
TMP105YZCT	296-19636-2-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	6-DSBGA		315.00/250	
TMP106YZCT	296-19637-1-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	6-DSBGA	2.25	1.80	1.35
TMP106YZCT	296-19637-2-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	6-DSBGA		315.00/250	
TMP121AIDBVT	296-15177-1-ND	Digital Temperature Sensor	SOT-23-6	2.48	1.98	1.49
TMP121AIDBVT	296-15177-2-ND	Digital Temperature Sensor	SOT-23-6		346.50/250	
TMP122AIDBVT	296-15178-1-ND	Prog. Digital Temperature Sensor	SOT-23-6	2.48	1.98	1.54
TMP122AIDBVT	296-15178-2-ND	Prog. Digital Temperature Sensor	SOT-23-6		365.75/250	
TMP123AIDBVT	296-15832-1-ND	Digital Temperature Sensor with SPI	SOT-23-6	2.48	1.98	1.49
TMP123AIDBVT	296-15832-2-ND	Digital Temperature Sensor with SPI	SOT-23-6		346.50/250	
TMP124AID	296-16977-ND	Digital Temperature Sensor with SPI	8-SOIC	1.75	1.40	1.05
TMP125AIDBVT	296-17690-1-ND	Digital Temperature Sensor w/SPI	SOT-23-6	2.25	1.80	1.35
TMP125AIDBVT	296-17690-2-ND	Digital Temperature Sensor w/SPI	SOT-23-6		315.00/250	
TMP141AIDBVT	296-17922-1-ND	Digital Out Temperature Sensor	SOT-23-6	1.88	1.50	1.13
TMP141AIDBVT	296-17922-2-ND	Digital Out Temperature Sensor	SOT-23-6		262.50/250	
TMP141AIDGKT	296-17923-1-ND	Digital Out Temperature Sensor	8-MSOP	1.88	1.50	1.13
TMP141AIDGKT	296-17923-2-ND	Digital Out Temperature Sensor	8-MSOP		262.50/250	
TMP175AIDGKT	296-19882-1-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	8-MSOP	2.38	1.90	1.43
TMP175AIDGKT	296-19882-2-ND	Digital Temperature Sensor, 2-Wire Interface ***NEW!***	8-MSOP		332.50/250	
TMP175AIDR	296-17837-1-ND	Digital Temperature Sensor with Two-Wire Interface	8-SOIC	2.13	1.70	1.28
TMP175AIDR	296-17837-2-ND	Digital Temperature Sensor with Two-Wire Interface	8-SOIC		2720.00/2,500	
TMP275AIDGKT	296-19883-1-ND	0.5°C Digital Out Temperature Sensor ***NEW!***	8-MSOP	3.15	2.52	1.96
TMP275AIDGKT	296-19883-2-ND	0.5°C Digital Out Temperature Sensor ***NEW!***	8-MSOP		465.50/250	

TEXAS INSTRUMENTS — TIMERS

T. I. Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
NE555D	296-16792-ND	Precision Timer	8-SOIC	.45	.36	.27
NE555DR	296-6501-1-ND	Precision Timer	8-SOIC	.45	.36	.27
NE555DR	296-6501-2-ND	Precision Timer	8-SOIC		202.50/2,500	
NE555P	296-1411-5-ND	Precision Timer	8-Dip	.45	.36	.27
NE555PSR	296-6502-1-ND	Precision Timer	8-SOP	.45	.36	.27
NE555PSR	296-6502-2-ND	Precision Timer	8-SOP		190.00/2,000	
NE555PW	296-15086-5-ND	Precision Timer	8-TSSOP	.45	.36	.27
NE556D	296-6503-5-ND	Dual Precision Timer	14-SOIC	.50	.40	.30
NE556N	296-6504-5-ND	Dual Precision Timer	14-Dip	.48	.36	.27
NE556NSR	296-13104-1-ND	Dual Precision Timer	14-SOP	.50	.40	.30
NE556NSR	296-13104-2-ND	Dual Precision Timer	14-SOP		280.00/2,000	
SA555D	296-9681-5-ND	Precision Timer	8-SOIC	.48	.36	.27
SA555DR	296-14635-1-ND	Precision Timer	8-SOIC	.48	.36	.27
SA555DR	296-14635-2-ND	Precision Timer	8-SOIC		390.00/2,500	
SA555P	296-9682-5-ND	Precision Timer	8-Dip	.48	.36	.27
SE555D	296-9683-5-ND	Precision Timer	8-SOIC	.84	.70	.56
SE555P	296-9684-5-ND	Precision Timer	8-Dip	.84	.70	.56
TLC551CD	296-11822-5-ND	CMOS Timer	8-SOIC	1.11	.93	.74
TLC551CP	296-10333-5-ND	CMOS Timer	8-Dip	1.11	.93	.74
TLC552CD	296-10334-5-ND	CMOS Timer	14-SOIC	1.48	1.18	.89
TLC552CN	296-10335-5-ND	CMOS Timer	14-Dip	1.48	1.18	.89
TLC555CD	296-1336-5-ND	CMOS Timer	8-SOIC	.88	.66	.50
TLC555CDR	296-1336-1-ND	CMOS Timer	8-SOIC	.88	.66	.50
TLC555CDR	296-1336-2-ND	CMOS Timer	8-SOIC		715.00/2,500	
TLC555CP	296-1857-5-ND	CMOS Timer	8-Dip	.88	.66	.50
TLC555CPWR	296-10339-1-ND	CMOS Timer	14-TSSOP	.88	.66	.50
TLC555CPWR	296-10339-2-ND	CMOS Timer	14-TSSOP		586.00/2,000	
TLC555ID	296-1337-5-ND	CMOS Timer	8-SOIC	.96	.72	.54
TLC555IDR	296-1337-1-ND	CMOS Timer	8-SOIC	.72	.60	.48
TLC555IDR	296-1337-2-ND	CMOS Timer	8-SOIC		780.00/2,500	
TLC555IP	296-1858-5-ND	CMOS Timer	8-Dip	.96	.72	.54
TLC555QDR	296-10341-1-ND	CMOS Timer	8-SOIC	.75	.63	.50
TLC555QDR	296-10341-2-ND	CMOS Timer	8-SOIC		780.00/2,500	
TLC556CD	296-1338-5-ND	Dual CMOS Timer	14-SOIC	1.02	.85	.68
TLC556CDR	296-1338-1-ND	Dual CMOS Timer	14-SOIC	1.02	.85	.68
TLC556CDR	296-1338-2-ND	Dual CMOS Timer	14-SOIC		1105.00/2,500	
TLC556CN	296-1859-5-ND	Dual CMOS Timer	14-Dip	1.02	.85	.68
TLC556ID	296-10343-5-ND	Dual CMOS Timer	14-SOIC	1.14	.95	.76
TLC556IN	296-10344-5-ND	Dual CMOS Timer	14-Dip	1.14	.95	.76
TLC556MD	296-10345-5-ND	Dual CMOS Timer	14-SOIC	1.38	1.15	.92

MICREL — 10/100 ETHERNET

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
KSZ8001L	576-1508-5-ND	3.3V, 10/100BASE-T/TX/FX PHY Transceiver* ***NEW!***	48-LQFP	3.98	3.19	2.48
KS8695P	576-1001-ND	Multi-Port PCI Gateway-on-a-Chip	289-PBGA	23.24	21.69	20.14
KS8695P-MMB-EVAL	576-1003-ND	Board Eval Multimedia KS8695P*		2850.00	—	—
KS8695PX-EVAL	576-1004-ND	Board Eval Experiment KS8695PS*		525.00	—	—
KSZ8695P	576-1509-5-ND	Multi-Port PCI Gateway Solution* ***NEW!***	289-PBGA	23.24	21.69	20.14
KS8695X-EVAL	576-1005-ND	Board Eval Experiment KS8695X*		450.00	—	—
KS8721B-EVAL	576-1006-ND	Board Eval Experiment KS8721B*		112.50	—	—
KS8721BL-EVAL	576-1007-ND	Board Eval Experiment KS8721BL*		148.50	—	—
KS8721BMC-EVAL	576-1008-ND	Board Eval Experiment KS8721BMC*		298.50	—	—
KS8721BT-EVAL	576-1009-ND	Board Eval Experiment KS8721BT*		148.50	—	—
KS8721SL-EVAL	576-1010-ND	Board Eval Experiment KS8721SL*		148.50	—	—
KS8993-EVAL	576-1011-ND	Board Eval Experiment for KS8993*		205.50	—	—
KS8993FL-EVAL	576-1012-ND	Board Eval Experiment KS8993F*		525.00	—	—
KS8993M-EVAL	576-1013-ND	Board Eval Experiment KS8993M*		525.00	—	—
KS8993MI	576-1014-ND	Integrated 3-Port 10/100 Managed Switch	128-PQFP	13.23	11.91	10.57
KS8993ML	576-1015-ND	Integrated 3-Port 10/100 Managed Switch	128-PQFP	10.75	9.68	8.58
KS8993ML-EVAL	576-1016-ND	Board Eval for KS8993ML*		525.00	—	—
KS8995M-EVAL	576-1017-ND	Board Eval Experiment KS8995M*		282.00	—	—
KS8995MA-EVAL	576-1018-ND	Board Eval Experiment KS8995MA*		282.00	—	—
KS8995MI	576-1020-ND	Integrated 5-Port 10/100 Managed Switch	128-PQFP	15.14	13.64	12.09
KS8995X-EVAL	576-1021-ND	Board Eval Experiment KS8995X*		282.00	—	—
KS8997-EVAL	576-1022-ND	Board Eval Experiment for KS8997*		315.00	—	—
KS8999-EVAL	576-1023-ND	Board Eval Experiment for KS8999*		375.00	—	—
KSZ8695PX	576-1024-ND	Integrated Multi-Port PCI Gateway Solution*	289-PBGA	18.47	17.24	16.01
KSZ8721B	576-1510-5-ND	2.5V Low Power 10/100 PHY Transceiver* ***NEW!***	48-SSOP	3.78	3.03	2.36
KSZ8721B TR	576-1026-1-ND	2.5V Low Power 10/100 PHY Transceiver*	48-SSOP	3.78	3.03	2.36
KSZ8721B TR	576-1026-2-ND	2.5V Low Power 10/100 PHY Transceiver*	48-SSOP		2142.00/1,000	
KSZ8721BI	576-1027-ND	2.5V Low Power 10/100 PHY Transceiver*	48-SSOP	5.15	4.13	3.21
KSZ8721BL	576-1511-5-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer TXRX* ***NEW!***	48-LQFP	3.98	3.19	2.48
KSZ8721BL TR	576-1028-1-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-LQFP	3.98	3.19	2.48
KSZ8721BL TR	576-1028-2-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-LQFP		2257.00/1,000	
KSZ8721BLI	576-1029-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-LQFP	5.40	4.32	3.36
KSZ8721BT	576-1030-ND	2.5V, 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-TQFP	3.89	3.12	2.43
KSZ8721SL	576-1512-5-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer TXRX* ***NEW!***	48-SSOP	3.98	3.19	2.48
KSZ8721SL TR	576-1031-1-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-SSOP	3.98	3.19	2.48
KSZ8721SL TR	576-1031-2-ND	3.3V Single Power Supply 10/100BASE-TX/FX MII Physical Layer Transceiver*	48-SSOP		2257.00/1,000	
KSZ8842-PMQL	576-1513-5-ND	2-Port Ethernet Switch* ***NEW!***	128-PQFP	12.50	11.25	9.98
KSZ8842-16MQL	576-1478-5-ND	16-Bit, 2-Port Ethernet Switch	128-PQFP	14.31	12.89	11.43
KSZ8842-32MQL	576-1479-5-ND	32-Bit, 2-Port Ethernet Switch	128-PQFP	15.06	13.56	12.03
KSZ8893MQL	576-1477-5-ND	Integrated 3-Port 10/100 Managed Switch with PHYs	128-PQFP	12.30	11.07	9.82
KSZ8993	576-1032-ND	3-Port 10/100 Integrated Switch*	128-PQFP	11.31	10.19	9.04
KSZ8993F	576-1033-ND	Single Chip Fast Ethernet Media Converter*	128-PQFP	15.51	14.48	13.45
KSZ8993F-A1	576-1034-ND	Single Chip Fast Ethernet Media Converter*	128-PQFP	15.51	14.48	13.45
KSZ8993FL	576-1035-ND	Single Chip Fast Ethernet Media Converter*	128-PQFP	16.53	15.43	14.33
KSZ8993I	576-1036-ND	3-Port 10/100 Integrated Switch*	128-PQFP	16.13	15.05	13.98
KSZ8993M	576-1037-ND	Integrated 3-Port 10/100 Managed Switch*	128-PQFP	9.93	8.94	7.93
KSZ8995M	576-1038-ND	Integrated 5-Port 10/100 Managed Switch*	128-PQFP	10.50	9.45	8.38
KSZ8995MA	576-1039-ND	Integrated 5-Port 10/100 Managed Switch*	128-PQFP	10.30	9.27	8.22
KSZ8995MAL	576-1040-ND	Integrated 5-Port 10/100 Managed Switch*	128-PQFP	11.65	10.49	9.30
KSZ8995X	576-1041-ND	Integrated 5-Port 10/100 QoS Switch*	128-PQFP	9.18	7.35	6.20
KSZ8995XA	576-1042-ND	Integrated 5-Port 10/100 QoS Switch*	128-PQFP	9.14	7.32	6.17
KSZ8997	576-1043-ND	Integrated 8-Port 10/100 Switch*	128-PQFP	17.51	16.34	15.18
KSZ8999	576-1044-ND	Integrated 9-Port 10/100 Switch*	208-PQFP	18.51	17.28	16.05
MIC2981/82YN	576-1158-ND	High Voltage High Current Source Driver Array*	18-Dip	2.27	1.82	1.42
MIC2981/82YWM	576-1159-ND	High Voltage High Current Source Driver Array*	18-SOIC	2.27	1.82	1.42

** RoHS Compliant*

MICREL — BATTERY CHARGERS (RoHS Compliant)

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MIC79110YML TR	576-1320-1-ND	1.2A Linear Li-Ion Battery Charger	10-MLF	3.20	2.56	1.99
MIC79110YML TR	576-1320-2-ND	1.2A Linear Li-Ion Battery Charger	10-MLF		8875.00/5,000	

MICREL — COMPARATORS (RoHS Compliant)

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MIC6270YM5 TR	576-1315-1-ND	IttyBitty™ Comparator	SOT-23-5	.80	.60	.45
MIC6270YM5 TR	576-1315-2-ND	IttyBitty™ Comparator	SOT-23-5		780.00/3,000	
MIC7211YM5 TR	576-1318-1-ND	IttyBitty™ R/R Input Comparator	SOT-23-5	.75	.63	.50
MIC7211YM5 TR	576-1318-2-ND	IttyBitty™ R/R Input Comparator	SOT-23-5		975.00/3,000	

MICREL — DISPLAY DRIVERS (RoHS Compliant)

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MIC2291YD5 TR	576-1077-1-ND	1.2A PWM Boost Regulator Photo Flash LED Driver	5-TSOT	1.73	1.38	1.04
MIC2291YD5 TR	576-1077-2-ND	1.2A PWM Boost Regulator Photo Flash LED Driver	5-TSOT		2649.00/3,000	
MIC2292-15YML TR	576-1078-1-ND	High-Frequency PWM White LED Driver	8-MLF	1.85	1.48	1.11

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LP2950-03YZ TR	576-1050-1-ND	5V, 100mA Low Dropout Volt. Reg.	TO-92	1.20	1.00	.80
LP2950-03YZ TR	576-1050-2-ND	5V, 100mA Low Dropout Volt. Reg.	TO-92		1064.00/2,000	
LP2951-02YM	576-1051-ND	Adj., 100mA Low Dropout Volt. Reg.	8-SOIC	1.11	.93	.74
LP2951-03YM	576-1052-ND	Adj., 100mA Low Dropout Volt. Reg.	8-SOIC	1.02	.85	.68
MIC2215-PPMYML TR	576-1073-1-ND	Triple High PSRR, Low Noise µCap LDO	16-MLF	2.45	1.97	1.53
MIC2215-PPMYML TR	576-1073-2-ND	Triple High PSRR, Low Noise µCap LDO	16-MLF		6815.00/5,000	
MIC2215-PPPYML TR	576-1074-1-ND	Triple High PSRR, Low Noise µCap LDO	16-MLF	2.52	2.02	1.57
MIC2215-PPPYML TR	576-1074-2-ND	Triple High PSRR, Low Noise µCap LDO	16-MLF		7000.00/5,000	
MIC2920A-3.3WS TR	576-1116-1-ND	3.3V, 400mA LDO Voltage Reg.	SOT-223	1.38	1.10	.83
MIC2920A-3.3WS TR	576-1116-2-ND	3.3V, 400mA LDO Voltage Reg.	SOT-223		1760.00/2,500	
MIC2920A-5.0WS TR	576-1117-1-ND	5V, 400mA LDO Voltage Reg.	SOT-223	1.38	1.10	.83
MIC2920A-5.0WS TR	576-1117-2-ND	5V, 400mA LDO Voltage Reg.	SOT-223		1760.00/2,500	
MIC2937A-3.3WU	576-1131-ND	3.3V, 750mA LDO Voltage Reg.	TO-263	2.48	1.98	1.54
MIC2937A-5.0WT	576-1132-ND	5V, 750mA LDO Voltage Reg.	TO-220	2.48	1.98	1.54
MIC2937A-5.0WU	576-1133-ND	5V, 750mA LDO Voltage Reg.	TO-263	2.25	1.80	1.40
MIC2940A-3.3WT	576-1134-ND	3.3V, 1.25A LDO Voltage Reg.	TO-220	2.38	1.90	1.43
MIC2940A-3.3WU	576-1135-ND	3.3V, 1.25A LDO Voltage Reg.	TO-263	2.00	1.60	1.20
MIC2940A-5.0WT	576-1136-ND	5V, 1.25A LDO Voltage Reg.	TO-220	2.38	1.90	1.43
MIC2940A-5.0WU	576-1137-ND	5V, 1.25A LDO Voltage Reg.	TO-263	2.00	1.60	1.20
MIC2941AWT	576-1138-ND	Adj., 1.25A LDO Voltage Reg.	TO-220-5	2.54	2.04	1.59
MIC2941AWU TR	576-1139-1-ND	Adj., 1.25A LDO Voltage Reg.	TO-263-5	2.35	1.88	1.41
MIC2941AWU TR	576-1139-2-ND	Adj., 1.25A LDO Voltage Reg.	TO-263-5		951.75/750	
MIC2950-05YZ	576-1140-ND	5V, 150mA LDO Voltage Reg.	TO-92	1.28	1.02	.77
MIC2950-06YZ TR	576-1141-1-ND	5V, 150mA LDO Voltage Reg.	TO-92	1.28	1.02	.77
MIC2950-06YZ TR	576-1141-2-ND	5V, 150mA LDO Voltage Reg.	TO-92		1326.00/2,000	
MIC2951-02YM TR	576-1148-1-ND	5V, 250mA Low Dropout Reg.	8-SOIC	1.20	1.00	.80
MIC2951-02YM TR	576-1148-2-ND	5V, 150mA Low Dropout Reg.	8-SOIC		1300.00/2,500	
MIC2951-03YM TR	576-1149-1-ND	5V, 250mA Low Dropout Reg.	8-SOIC	1.14	.95	.76
MIC2951-03YM TR	576-1149-2-ND	5V, 150mA Low Dropout Reg.	8-SOIC		1235.00/2,500	
MIC2951-03YN	576-1150-ND	5V, 150mA Low Dropout Reg.	8-Dip	1.58	1.26	.95
MIC2951-3.3YM	576-1151-ND	3.3V, 150mA Low Dropout Reg.	8-SOIC	.95	.76	.57
MIC2954-02WS	576-1152-ND	5V, 250mA Low Dropout Reg.	SOT-223	1.80	1.44	1.08
MIC2954-02YZ	576-1153-ND	5V, 250mA Low Dropout Reg.	TO-92	1.90	1.52	1.14
MIC2954-03WS TR	576-1154-1-ND	5V, 250mA Low Dropout Reg.	SOT-223	1.75	1.40	1.05
MIC2954-03WS TR	576-1154-2-ND	5V, 250mA Low Dropout Reg.	SOT-223		2240.00/2,500	
MIC2954-07YM	576-1155-ND	5V, 250mA Low Dropout Reg.	8-SOIC	1.78	1.42	1.07
MIC2954-08YM TR	576-1156-1-ND	5V, 250mA Low Dropout Reg.	8-SOIC	1.95	1.56	1.17
MIC2954-08YM TR	576-1156-2-ND	5V, 250mA Low Dropout Reg.	8-SOIC		2495.00/2,500	
MIC5158YM	576-1243-ND	5V/Adj., Super LDO™ Reg.	14-SOIC	3.02	2.42	1.88
MIC5190YMM	576-1244-ND	Adj., Ultra High-Speed High Current Active Filter/LDO Controller	10-MSOP	4.79	3.84	2.99
MIC5191YMM	576-1245-ND	Adj., Ultra High-Speed High Current Active Filter/LDO Controller	10-MSOP	5.02	4.02	3.13
MIC5200-3.3YM	576-1246-ND	3.3V, 100mA Low Dropout Reg.	8-SOIC	1.38	1.15	.92
MIC5200-3.3YS	576-1247-ND	3.3V, 100mA Low Dropout Reg.	SOT-223	1.29	1.08	.86
MIC5200-5.0YM	576-1248-ND	5V, 100mA Low Dropout Reg.	8-SOIC	1.38	1.15	.92
MIC5200-5.0YS TR	576-1249-1-ND	5V, 100mA Low Dropout Reg.	SOT-223	1.29	1.08	.86
MIC5200-5.0YS TR	576-1249-2-ND	5V, 100mA Low Dropout Reg.	SOT-223		1397.50/2,500	
MIC5201-3.3YM TR	576-1250-1-ND	3.3V, 200mA Low Dropout Reg.	8-SOIC	1.38	1.10	.83
MIC5201-3.3YM TR	576-1250-2-ND	3.3V, 200mA Low Dropout Reg.	8-SOIC		1760.00/2,500	
MIC5201-3.3YS TR	576-1251-1-ND	3.3V, 200mA Low Dropout Reg.	SOT-223	1.25	1.00	.75
MIC5201-3.3YS TR	576-1251-2-ND	3.3V, 200mA Low Dropout Reg.	SOT-223		1600.00/2,500	
MIC5201-4.8YS	576-1252-ND	4.85V, 200mA Low Dropout Reg.	SOT-223	1.25	1.00	.75
MIC5201-5.0YM	576-1253-ND	5V, 200mA Low Dropout Reg.	8-SOIC	1.38	1.10	.83
MIC5201-5.0YS	576-1254-ND	5V, 200mA Low Dropout Reg.	SOT-223	1.25	1.00	.75
MIC5203-3.3YM4 TR	576-1255-1-ND	3.3V, µCap 80mA LDO Reg.	SOT-143	.78	.65	.52
MIC5203-3.3YM4 TR	576-1255-2-ND	3.3V, µCap 80mA LDO Reg.	SOT-143		1014.00/3,000	
MIC5203-5.0YM4 TR	576-1256-1-ND	5V, µCap 80mA LDO Reg.	SOT-143	.78	.65	.52
MIC5203-5.0YM4 TR	576-1256-2-ND	5V, µCap 80mA LDO Reg.	SOT-143		1014.00/3,000	
MIC5205-2.5YM5 TR	576-1257-1-ND	2.5V, 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205-2.5YM5 TR	576-1257-2-ND	2.5V, 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5205-3.0YM5 TR	576-1258-1-ND	3V, 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205-3.0YM5 TR	576-1258-2-ND	3V, 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5205-3.3YM5 TR	576-1259-1-ND	3.3V, 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205-3.3YM5 TR	576-1259-2-ND	3.3V, 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5205-3.6YM5 TR	576-1260-1-ND	3.6V, 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205-3.6YM5 TR	576-1260-2-ND	3.6V, 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5205-4.0YM5TR	576-1563-1-ND	4.0V, 150mA Low Noise LDO Reg. ***NEW!***	SOT-23-5	.60	.45	.34
MIC5205-4.0YM5TR	576-1563-2-ND	4.0V, 150mA Low Noise LDO Reg. ***NEW!***	SOT-23-5		585.00/3,000	
MIC5205-5.0YM5 TR	576-1261-1-ND	5V, 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205-5.0YM5 TR	576-1261-2-ND	5V, 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5205YM5 TR	576-1262-1-ND	Adj., 150mA Low Noise LDO Reg.	SOT-23-5	.60	.45	.34
MIC5205YM5 TR	576-1262-2-ND	Adj., 150mA Low Noise LDO Reg.	SOT-23-5		585.00/3,000	
MIC5206-3.0YM5 TR	576-1263-1-ND	3V, 150mA Low Noise LDO Reg.	SOT-23-5	.90	.75	.60
MIC5206-3.0YM5 TR	576-1263-2-ND	3V, 150mA Low Noise LDO Reg.	SOT-23-5		1170.00/3,000	
MIC5206-3.2YM5 TR	576-1264-1-ND	3.2V, 150mA Low Noise LDO Reg.	SOT-23-5	.90	.75	.60
MIC5206-3.2YM5 TR	576-1264-2-ND	3.2V, 150mA Low Noise LDO Reg.	SOT-23-5		1170.00/3,000	
MIC5206-4.0YM5 TR	576-1265-1-ND	4V, 150mA Low Noise LDO Reg.	SOT-23-5	.90	.75	.60
MIC5206-4.0YM5 TR	576-1265-2-ND	4V, 150mA Low Noise LDO Reg.	SOT-23-5		1170.00/3,000	
MIC5207-2.5YM5 TR	576-1266-1-ND	2.5V, 180mA Low Noise LDO Reg.	SOT-23-5	.76	.57	.43
MIC5207-2.5YM5 TR	576-1266-2-ND	2.5V, 180mA Low Noise LDO Reg.	SOT-23-5		741.00/3,000	
MIC5207-3.3YM5 TR	576-1267-1-ND	3.3V, 180mA Low Noise LDO Reg.	SOT-23-5	.76	.57	.43
MIC5207-3.3YM5 TR	576-1267-2-ND	3.3V, 180mA Low Noise LDO Reg.	SOT-23-5		741.00/3,000	
MIC5207-5.0YM5 TR	576-1268-1-ND	5V, 180mA Low Noise LDO Reg.	SOT-23-5	.76	.57	.43
MIC5207-5.0YM5 TR	576-1268-2-ND	5V, 180mA Low Noise LDO Reg.	SOT-23-5		741.00/3,000	
MIC5207YM5 TR	576-1269-1-ND	Adj., 180mA Low Noise LDO Reg.	SOT-23-5	.76	.57	.43
MIC5207YM5 TR	576-1269-2-ND	Adj., 180mA Low Noise LDO Reg.	SOT-23-5		741.00/3,000	
MIC5209-1.8YM	576-1270-ND	1.8V, 500mA Low Noise LDO Reg.	8-SOIC	1.35	1.13	.90
MIC5209-2.5YM TR	576-1271-1-ND	2.5V, 500mA Low Noise LDO Reg.	8-SOIC	1.35	1.13	.90
MIC5209-2.5YM TR	576-1271-2-ND	2.5V, 500mA Low Noise LDO Reg.	8-SOIC		1462.50/2,500	
MIC5209-2.5YS TR	576-1272-1-ND	2.5V, 500mA Low Noise LDO Reg.	SOT-223	1.35	1.13	.90
MIC5209-2.5YS TR	576-1272-2-ND	2.5V, 500mA Low Noise LDO Reg.	SOT-223		1462.50/2,500	
MIC5209-3.3YM	576-1273-ND	3.3V, 500mA Low Noise LDO Reg.	8-SOIC	1.35	1.13	.90
MIC5209-3.3YS TR	576-1274-1-ND	3.3V, 500mA Low Noise LDO Reg.	SOT-223	1.35	1.13	.90
MIC5209-3.3YS TR	576-1274-2-ND	3.3V, 500mA Low Noise LDO Reg.	SOT-223		1462.50/2,500	
MIC5209-5.0YM TR	576-1275-1-ND	5V, 500mA Low Noise LDO Reg.	8-SOIC	1.35	1.13	.90
MIC5209-5.0YM TR	576-1275-2-ND	5V, 500mA Low Noise LDO Reg.	8-SOIC		1462.50/2,500	

Micrel Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MIC5209-5.0YS	576-1276-ND	5V, 500mA Low Noise LDO Reg.	SOT-223	1.35	1.13	.90
MIC5209-5.0YU	576-1277-ND	5V, 500mA Low Noise LDO Reg.	TO-263-5	1.43	1.14	.86
MIC5209YM	576-1278-ND	Adj., 500mA Low Noise LDO Reg.	8-SOIC	1.35	1.13	.90
MIC5209YU	576-1279-ND	Adj., 500mA Low Noise LDO Reg.	TO-263-5	1.43	1.14	.86
MIC5219-3.0YMM TR	576-1280-1-ND	3V, 500mA Peak Out LDO Reg.	8-MSOP	1.78	1.42	1.07
MIC5219-3.0YMM TR	576-1280-2-ND	3V, 500mA Peak Out LDO Reg.	8-MSOP		2272.50/2,500	
MIC5219-3.3YM5 TR	576-1281-1-ND	3.3V, 500mA Peak Out LDO Reg.	SOT-23-5	1.43	1.14	.86
MIC5219-3.3YM5 TR	576-1281-2-ND	3.3V, 500mA Peak Out LDO Reg.	SOT-23-5		2190.00/3,000	
MIC5219YM5 TR	576-1282-1-ND	Adj., 500mA Peak Out LDO Reg.	SOT-23-5	1.43	1.14	.86
MIC5219YM5 TR	576-1282-2-ND	Adj., 500mA Peak Out LDO Reg.	SOT-23-5		2190.00/3,000	
MIC5231-3.0YM5 TR	576-1283-1-ND	3V, Micropower µCap LDO Reg.	SOT-23-5	1.78	1.42	1.07
MIC5231-3.0YM5 TR	576-1283-2-ND	3V, Micropower µCap LDO Reg.	SOT-23-5		2727.00/3,000	
MIC5233YM5TR	576-1507-1-ND	High Input Voltage, Low IQ µCap LDO Regulator ***NEW!***	SOT-23-5	1.55	1.24	.93
MIC5233YM5TR	576-1507-2-ND	High Input Voltage, Low IQ µCap LDO Regulator ***NEW!***	SOT-23-5		2382.00/3,000	
MIC5235YM5 TR	576-1284-1-ND	Adj., Ultra Low Quiescent Current 150mA µCap LDO Regulator	SOT-23-5	1.38	1.10	.83
MIC5235YM5 TR	576-1284-2-ND	Adj., Ultra Low Quiescent Current 150mA µCap LDO Regulator	SOT-23-5		2112.00/3,000	
MIC5236YM	576-1285-ND	Adj., Low Quiescent Current µCap LDO Reg.	8-SOIC	1.78	1.42	1.07
MIC5237-3.3YU	576-1286-ND	3.3V, 500mA Low Dropout Reg.	TO-263	1.85	1.48	1.11
MIC5239YMM	576-1287-ND	Adj., Low Quiescent Current 500mA µCap LDO Regulator	8-MSOP	2.27	1.82	1.42
MIC5247-1.8YM5 TR	576-1288-1-ND	1.8V, 150mA Low Voltage µCap Linear Regulator	SOT-23-5	.96	.72	.54
MIC5247-1.8YM5 TR	576-1288-2-ND	1.8V, 150mA Low Voltage µCap Linear Regulator	SOT-23-5		936.00/3,000	
MIC5253-3.3YC5	576-1289-1-ND	3.3V, 100mA Low Noise µCap Teeny™ LDO	SC70-5	.87	.73	.58
MIC5253-3.3YC5	576-1289-2-ND	3.3V, 100mA Low Noise µCap Teeny™ LDO	SC70-5		1131.00/3,000	
MIC5255-3.3YM5 TR	576-1290-1-ND	3.3V, 150mA Low Noise µCap CMOS LDO	SOT-23-5	.96	.72	.54
MIC5255-3.3YM5 TR	576-1290-2-ND	3.3V, 150mA Low Noise µCap CMOS LDO	SOT-23-5		936.00/3,000	
MIC5256-2.5YM5 TR	576-1291-1-ND	2.5V, 150mA µCap LDO w/Error Flag	SOT-23-5	.78	.65	.52
MIC5256-2.5YM5 TR	576-1291-2-ND	2.5V, 150mA µCap LDO w/Error Flag	SOT-23-5		1014.00/3,000	
MIC5256-3.0YM5 TR	576-1292-1-ND	3V, 150mA µCap LDO w/Error Flag	SOT-23-5	.78	.65	.52
MIC5256-3.0YM5 TR	576-1292-2-ND	3V, 150mA µCap LDO w/Error Flag	SOT-23-5		1014.00/3,000	
MIC5256-3.3YM5 TR	576-1293-1-ND	3.3V, 150mA µCap LDO w/Error Flag	SOT-23-5	.78	.65	.52
MIC5256-3.3YM5 TR	576-1293-2-ND	3.3V, 150mA µCap LDO w/Error Flag	SOT-23-5		1014.00/3,000	
MIC5264-MFYML TR	576-1438-1-ND	150mA µCap Dual LDO Regulator	10-MLF	.87	.73	.58
MIC5264-MFYML TR	576-1438-2-ND	150mA µCap Dual LDO Regulator	10-MLF		1930.00/5,000	
MIC5265-1.8YD5 TR	576-1439-1-ND	150mA µCap LDO Regulator	TSOT-23-5	.48	.36	.27
MIC5265-1.8YD5 TR	576-1439-2-ND	150mA µCap LDO Regulator	TSOT-23-5		468.00/3,000	
MIC5270-5.0YM5 TR	576-1294-1-ND	–5V, µCap Negative LDO Reg.	SOT-23-5	2.00	1.60	1.20
MIC5270-5.0YM5 TR	576-1294-2-ND	–5V, µCap Negative LDO Reg.	SOT-23-5		3072.00/3,000	
MIC5270YM5 TR	576-1295-1-ND	Adj., µCap Negative LDO Reg.	SOT-23-5	2.00	1.60	1.20
MIC5270YM5 TR	576-1295-2-ND	Adj., µCap Negative LDO Reg.	SOT-23-5		3072.00/3,000	
MIC5305-1.8YD5	576-1296-1-ND	1.8V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5	2.20	1.65	1.24
MIC5305-1.8YD5	576-1296-2-ND	1.8V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5		2145.00/3,000	
MIC5305-3.0YD5	576-1297-1-ND	3V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5	2.20	1.65	1.24
MIC5305-3.0YD5	576-1297-2-ND	3V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5		2145.00/3,000	
MIC5305-3.3YD5	576-1298-1-ND	3.3V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5	2.20	1.65	1.24
MIC5305-3.3YD5	576-1298-2-ND	3.3V, 150mA µCap Ultra-LDO Reg.	TSOT-23-5		2145.00/3,000	
MIC5319YML TR	576-1299-1-ND	Adj., 500mA µCap Ultra-LDO High PSRR LDO Regulator	6-MLF	2.25	1.80	1.35
MIC5319YML TR	576-1299-2-ND	Adj., 500mA µCap Ultra-LDO High PSRR LDO Regulator	6-MLF		5625.00/5,000	
MIC29150-3.3WT	576-1104-ND	3.3V, High-Current LDO Reg.	TO-220	3.58	2.87	2.2
MIC29150-3.3WU	576-1105-ND	3.3V, High-Current LDO Reg.	TO-263	2.45	1.97	1.5
MIC29150-5.0WT	576-1106-ND	5V, High-Current LDO Reg.	TO-220	3.58	2.87	2.2
MIC29150-5.0WU	576-1107-ND	5V, High-Current LDO Reg.	TO-263	2.45	1.97	1.5
MIC29151-3.3WU	576-1108-ND	3.3V, High-Current LDO Reg.	TO-263-5	2.59	2.07	1.6
MIC29151-5.0WT	576-1109-ND	5V, High-Current LDO Reg.	TO-220-5	3.79	3.03	2.3
MIC29151-5.0WU	576-1110-ND	5V, High-Current LDO Reg.	TO-263-5	2.59	2.07	1.6
MIC29152WT	576-1111-ND	Adj., High-Current LDO Reg.	TO-220-5	2.38	1.90	1.4
MIC29152WU TR	576-1112-1-ND	Adj., High-Current LDO Reg.	TO-263-5	2.38	1.90	1.4
MIC29152WU TR	576-1112-2-ND	Adj., High-Current LDO Reg.	TO-263-5		962.25/750	
MIC29201-5.0WU	576-1113-ND	5V, 400mA LDO Voltage Reg.	TO-263-5	3.26	2.61	2.0
MIC29202WU	576-1114-ND	Adj., 400mA LDO Voltage Reg.	TO-263-5	2.63	2.11	1.6
MIC29204YM	576-1115-ND	5V and Adj., 400mA LDO Volt. Reg.	8-SOIC	2.00	1.60	1.2
MIC29300-12WT	576-1118-ND	12V, High-Current LDO Reg.	TO-220	3.02	2.42	1.8
MIC29300-3.3WT	576-1119-ND	3.3V, High-Current LDO Reg.	TO-220	3.02	2.42	1.8
MIC29300-3.3WU	576-1120-ND	3.3V, High-Current LDO Reg.	TO-263	3.02	2.42	1.8
MIC29300-5.0WT	576-1121-ND	5V, High-Current LDO Reg.	TO-220	3.02	2.42	1.8
MIC29300-5.0WU	576-1122-ND	5V, High-Current LDO Reg.	TO-263	3.02	2.42	1.8
MIC29301-3.3WU	576-1123-ND	3.3V, High-Current LDO Reg.	TO-263-5	4.39	3.51	2.7
MIC29302WT	576-1124-ND	Adj., High-Current LDO Reg.	TO-220-5	2.48	1.98	1.5
MIC29302WU TR	576-1125-1-ND	Adj., High-Current LDO Reg.	TO-263-5	2.48	1.98	1.5
MIC29302WU TR	576-1125-2-ND	Adj., High-Current LDO Reg.	TO-263-5		1072.50/750	
MIC29303WU	576-1126-ND	Adj., High-Current LDO Reg.	TO-263-5	5.58	4.47	3.4
MIC29371-5.0WT	576-1127-ND	5V, 750mA LDO Voltage Reg.	TO-220-5	3.74	2.99	2.3
MIC29371-5.0WU	576-1128-ND	5V, 750mA LDO Voltage Reg.	TO-263-5	3.74	2.99	2.3
MIC29372WT	576-1129-ND	Adj., 750mA LDO Voltage Reg.	TO-220-5	3.74	2.99	2.3
MIC29372WU TR	576-1130-1-ND	Adj., 750mA LDO Voltage Reg.	TO-263-5	3.74	2.99	2.3
MIC29372WU TR	576-1130-2-ND	Adj., 750mA LDO Voltage Reg.	TO-263-5		1618.50/750	
MIC29500-3.3WT	576-1142-ND	3.3V, High-Current LDO Reg.	TO-220	7.08	5.67	4.7
MIC29500-5.0WT	576-1143-ND	5V, High-Current LDO Reg.	TO-220	7.08	5.67	4.7
MIC29501-3.3WU	576-1144-ND	3.3V, High-Current LDO Reg.	TO-263-5	8.14	6.52	5.5
MIC29502WT	576-1145-ND	Adj., High-Current LDO Reg.	TO-220-5	8.14	6.52	5.5
MIC29502WU	576-1146-1-ND	Adj., High-Current LDO Reg.	TO-263-5	8.14	6.52	5.5
MIC29502WU TR	576-1146-2-ND	Adj., High-Current LDO Reg.	TO-263-5		3876.75/750	
MIC29503WU	576-1147-ND	Adj., High-Current LDO Reg.	TO-263-5	7.92	6.34	5.3
MIC29752WWT	576-1157-ND	Adj., High-Current LDO Reg.	TO-247-5	13.16	11.85	10.2
MIC37100-1.5WS	576-1161-ND	1.5V, 1A Low Volt. µCap LDO Reg.	SOT-223	1.32	1.10	.8
MIC37100-2.5WS	576-1162-ND	2.5V, 1A Low Volt. µCap LDO Reg.	SOT-223	1.32	1.10	.8
MIC37100-3.3WS	576-1163-ND	3.3V, 1A Low Volt. µCap LDO Reg.	SOT-223	1.32	1.10	.8
MIC37151-1.5WR	576-1164-ND	1.5V, 1.5A Low Volt. µCap LDO Reg.	5-SPAK	3.29	2.63	2.2
MIC37152WR	576-1165-ND	Adj., 1.5A Low Volt. µCap LDO Reg.	5-SPAK	3.58	2.87	2.2
MIC37301-1.5WR	576-1166-ND	1.5V, 3.0A Low Volt. µCap LDO Reg.	5-SPAK	4.10	3.28	2.5
MIC37302WR TR	576-1167-1-ND	Adj., 3.0A Low Volt. µCap LDO Reg.	5-SPAK	3.02	2.42	1.9

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STMicroelectronics — 74V SERIES

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
74VCXH16245TTR	497-1099-2-ND	Tri-State Low Voltage CMOS 16-Bit Bus Transceiver	48-TSSOP			1628.00/2,000
74VCXH16374TTR	497-1101-1-ND	Tri-State Low Voltage CMOS 16-Bit D-Type Flip-Flop	48-TSSOP	1.80	1.50	1.26
74VCXH16374TTR	497-1101-2-ND	Tri-State Low Voltage CMOS 16-Bit D-Type Flip-Flop	48-TSSOP			1620.00/2,000
74VCXH1632245TBR	497-4146-1-ND	16-Bit Dual Supply Bus Transceiver Level Translator	42-TFBGA	2.55	2.13	1.79
74VCXH1632245TBR	497-4146-2-ND	16-Bit Dual Supply Bus Transceiver Level Translator	42-TFBGA			3315.00/3,000
74VCXH1632245TTR	497-4147-1-ND	16-Bit Dual Supply Bus Transceiver Level Translator	48-TSSOP	2.55	2.13	1.79
74VCXH1632245TTR	497-4147-2-ND	16-Bit Dual Supply Bus Transceiver Level Translator	48-TSSOP			2296.00/2,000
74VHC05TTR	497-4148-1-ND	Hex Inverter, Open Drain	14-TSSOP	.55	.52	.39
74VHC05TTR	497-4148-2-ND	Hex Inverter, Open Drain	14-TSSOP			487.50/2,500
74VHC08MTR	497-1102-1-ND	Quad 2-Input AND Gate	14-SOIC	.55	.34	.26
74VHC08MTR	497-1102-2-ND	Quad 2-Input AND Gate	14-SOIC			362.50/2,500
74VHC14MTR	497-1104-1-ND	Hex Schmitt Inverter	14-SOIC	.49	.30	.23
74VHC14MTR	497-1104-2-ND	Hex Schmitt Inverter	14-SOIC			320.00/2,500
74VHC138MTR	497-1103-1-ND	3-8 Line Decoder	16-SOIC	.55	.44	.30
74VHC138MTR	497-1103-2-ND	3-8 Line Decoder	16-SOIC			412.50/2,500
74VHC240MTR	497-2925-1-ND	Tri-State Octal Bus Buffer	20-SOIC	.65	.47	.36
74VHC240MTR	497-2925-2-ND	Tri-State Octal Bus Buffer	20-SOIC			208.00/1,000
74VHC244MTR	497-2926-1-ND	Tri-State Octal Bus Buffer	20-SOIC	.65	.47	.36
74VHC244MTR	497-2926-2-ND	Tri-State Octal Bus Buffer	20-SOIC			208.00/1,000
74VHC245MTR	497-1105-1-ND	Tri-State Octal Bus Transceiver	20-SOIC	.75	.54	.41
74VHC245MTR	497-1105-2-ND	Tri-State Octal Bus Transceiver	20-SOIC			240.00/1,000
74VHC273MTR	497-1106-1-ND	Octal D-Type Flip-Flop with Clear	20-SOIC	.65	.47	.36
74VHC273MTR	497-1106-2-ND	Octal D-Type Flip-Flop with Clear	20-SOIC			208.00/1,000
74VHC16240TTR	497-2924-1-ND	Tri-State 16-Bit Bus Buffer	48-TSSOP	1.35	1.17	.90
74VHC16240TTR	497-2924-2-ND	Tri-State 16-Bit Bus Buffer	48-TSSOP			1044.00/2,000
74VHCT244AMTR	497-2928-1-ND	Tri-State Octal Bus Buffer	20-SOIC	.65	.47	.36
74VHCT244AMTR	497-2928-2-ND	Tri-State Octal Bus Buffer	20-SOIC			208.00/1,000
74VHCT541AMTR	497-2929-1-ND	Tri-State Octal Bus Buffer	20-SOIC	.70	.51	.38
74VHCT541AMTR	497-2929-2-ND	Tri-State Octal Bus Buffer	20-SOIC			224.00/1,000
74VHCT16373ATTR	497-1107-1-ND	16-Bit D-Type Latch	48-TSSOP	1.35	1.17	.90
74VHCT16373ATTR	497-1107-2-ND	16-Bit D-Type Latch	48-TSSOP			1044.00/2,000

STMicroelectronics — 78/79 SERIES VOLTAGE REGULATORS

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
L78L05ABD13TRI	497-1180-1-ND	5V, Positive Voltage Regulator	8-SOIC	.48	.38	.29
L78L05ABD13TRI	497-1180-2-ND	5V, Positive Voltage Regulator	8-SOIC			357.50/2,500
L78L05ABUTR	497-1181-1-ND	5V, Positive Voltage Regulator	SOT-89	.90	.72	.54
L78L05ABUTR	497-1181-2-ND	5V, Positive Voltage Regulator	SOT-89			712.50/2,500
L78L05ABZ	497-1009-ND	5V, Positive Voltage Regulator	TO-92	.70	.56	.42
L78L05ACD	497-2961-1-ND	5V, Positive Voltage Regulator	8-SOIC	.77	.62	.46
L78L05ACD13TR	497-1182-1-ND	5V, Positive Voltage Regulator	8-SOIC	.55	.43	.26
L78L05ACD13TR	497-1182-2-ND	5V, Positive Voltage Regulator	8-SOIC			362.50/2,500
L78L05ACUTR	497-1183-1-ND	5V, Positive Voltage Regulator	SOT-89	.77	.62	.46
L78L05ACUTR	497-1183-2-ND	5V, Positive Voltage Regulator	SOT-89			605.00/2,500
L78L05ACZ	497-2952-5-ND	5V, Positive Voltage Regulator	TO-92	.54	.44	.33
L78L05ACZTR	497-1184-1-ND	5V, Positive Voltage Regulator	TO-92	.50	.40	.30
L78L05ACZTR	497-1184-2-ND	5V, Positive Voltage Regulator	TO-92			320.00/2,000
L78L08ABZ	497-1010-ND	8V, Positive Voltage Regulator	TO-92	.72	.58	.44
L78L06ACD13TR	497-1185-1-ND	6V, Positive Voltage Regulator	8-SOIC	.81	.65	.49
L78L06ACD13TR	497-1185-2-ND	6V, Positive Voltage Regulator	8-SOIC			642.50/2,500
L78L06ACZ	497-2953-5-ND	6V, Positive Voltage Regulator	TO-92	.70	.56	.42
L78L06ACZ-TR	497-1186-1-ND	6V, Positive Voltage Regulator	TO-92	.72	.58	.44
L78L06ACZ-TR	497-1186-2-ND	6V, Positive Voltage Regulator	TO-92			496.00/2,000
L78L08ABD13TR	497-1187-1-ND	8V, Positive Voltage Regulator	8-SOIC	.99	.80	.60
L78L08ABD13TR	497-1187-2-ND	8V, Positive Voltage Regulator	8-SOIC			785.00/2,500
L78L08ABUTR	497-1188-1-ND	8V, Positive Voltage Regulator	SOT-89	.90	.72	.54
L78L08ABUTR	497-1188-2-ND	8V, Positive Voltage Regulator	SOT-89			712.50/2,500
L78L08ABZ	497-1011-ND	8V, Positive Voltage Regulator	TO-92	.68	.54	.41
L78L08ACD13TR	497-1189-1-ND	8V, Positive Voltage Regulator	8-SOIC	.55	.44	.33
L78L08ACD13TR	497-1189-2-ND	8V, Positive Voltage Regulator	8-SOIC			412.50/2,500
L78L08ACZ	497-2954-5-ND	8V, Positive Voltage Regulator	TO-92	.70	.56	.42
L78L08ACZTR	497-1190-1-ND	8V, Positive Voltage Regulator	TO-92	.55	.44	.33
L78L08ACZTR	497-1190-2-ND	8V, Positive Voltage Regulator	TO-92			352.00/2,000
L78L09ACD13TR	497-1191-1-ND	9V, Positive Voltage Regulator	8-SOIC	.60	.48	.36
L78L09ACD13TR	497-1191-2-ND	9V, Positive Voltage Regulator	8-SOIC			450.00/2,500
L78L09ACUTR	497-1192-1-ND	9V, Positive Voltage Regulator	SOT-89	.60	.48	.36
L78L09ACUTR	497-1192-2-ND	9V, Positive Voltage Regulator	SOT-89			450.00/2,500
L78L09ACZ	497-1012-ND	9V, Positive Voltage Regulator	TO-92	.60	.48	.36
L78L09CD13TR	497-1193-1-ND	9V, Positive Voltage Regulator	8-SOIC	.60	.48	.36
L78L09CD13TR	497-1193-2-ND	9V, Positive Voltage Regulator	8-SOIC			450.00/2,500
L78L12ACD13TR	497-1194-1-ND	12V, Positive Voltage Regulator	8-SOIC	.65	.52	.39
L78L12ACD13TR	497-1194-2-ND	12V, Positive Voltage Regulator	8-SOIC			487.50/2,500
L78L12ACUTR	497-1195-1-ND	12V, Positive Voltage Regulator	SOT-89	.77	.62	.46
L78L12ACUTR	497-1195-2-ND	12V, Positive Voltage Regulator	SOT-89			605.00/2,500
L78L12ACZ	497-2955-5-ND	12V, Positive Voltage Regulator	TO-92	.70	.56	.42
L78L12ACZ-TR	497-1196-1-ND	12V, Positive Voltage Regulator	TO-92	.48	.38	.29
L78L12ACZ-TR	497-1196-2-ND	12V, Positive Voltage Regulator	TO-92			304.00/2,000
L78L15ACZ-TR	497-1197-1-ND	15V, Positive Voltage Regulator	TO-92	.55	.44	.33
L78L15ACZ-TR	497-1197-2-ND	15V, Positive Voltage Regulator	TO-92			352.00/2,000
L78L15CD-TR	497-1198-1-ND	15V, Positive Voltage Regulator	8-SOIC	.60	.48	.36
L78L15CD-TR	497-1198-2-ND	15V, Positive Voltage Regulator	8-SOIC			450.00/2,500
L78L33ACD13TR	497-1199-1-ND	3.3V, Positive Voltage Regulator	8-SOIC	.81	.65	.49
L78L33ACD13TR	497-1199-2-ND	3.3V, Positive Voltage Regulator	8-SOIC			642.50/2,500
L78L33ACUTR	497-1200-1-ND	3.3V, Positive Voltage Regulator	SOT-89	.77	.62	.46
L78L33ACUTR	497-1200-2-ND	3.3V, Positive Voltage Regulator	SOT-89			605.00/2,500
L78M05ABDT-TR	497-1201-1-ND	5V, Precision 500mA Regulator	D-PAK	.99	.80	.60
L78M05ABDT-TR	497-1201-2-ND	5V, Precision 500mA Regulator	D-PAK			785.00/2,500
L78M05ABV	497-1461-5-ND	5V, Precision 500mA Regulator	TO-220	.86	.69	.52
L78M05ACDT-TR	497-1202-1-ND	5V, Precision 500mA Regulator	D-PAK	.90	.72	.54
L78M05ACDT-TR	497-1202-2-ND	5V, Precision 500mA Regulator	D-PAK			712.50/2,500
L78M05CDT-TR	497-1203-1-ND	5V, Positive Voltage Regulator	D-PAK	.70	.56	.42
L78M05CDT-TR	497-1203-2-ND	5V, Positive Voltage Regulator	D-PAK			525.00/2,500
L78M05CV	497-2957-5-ND	5V, Positive Voltage Regulator	TO-220	.90	.72	.54
L78M06ACDT-TR	497-1204-1-ND	6V, Precision 500mA Regulator	D-PAK	.90	.72	.54

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
L78M06CV	497-1462-5-ND	6V, Positive Voltage Regulator	TO-220	.72	.58	.44
L78M08ABDT-TR	497-1205-1-ND	8V, Precision 500mA Regulator	D-PAK	.99	.80	.60
L78M08ABDT-TR	497-1205-2-ND	8V, Precision 500mA Regulator	D-PAK			785.00/2,500
L78M08CDT-TR	497-1206-1-ND	8V, Positive Voltage Regulator	D-PAK	.90	.72	.54
L78M08CDT-TR	497-1206-2-ND	8V, Positive Voltage Regulator	D-PAK			712.50/2,500
L78M08CV	497-1463-5-ND	8V, Positive Voltage Regulator	TO-220	.81	.65	.49
L78M09ABV	497-4616-5-ND	9V, Precision 500mA Regulator	TO-220	1.05	.91	.70
L78M09ACDT-TR	497-1207-1-ND	9V, Precision 500mA Regulator	D-PAK	1.16	1.01	.78
L78M09ACDT-TR	497-1207-2-ND	9V, Precision 500mA Regulator	D-PAK			1030.00/2,500
L78M09CDT-TR	497-1208-1-ND	9V, Positive Voltage Regulator	D-PAK	.81	.65	.49
L78M09CDT-TR	497-1208-2-ND	9V, Positive Voltage Regulator	D-PAK			642.50/2,500
L78M12ABDT-TR	497-1209-1-ND	12V, Precision 500mA Regulator	D-PAK	.99	.87	.67
L78M12ABDT-TR	497-1209-2-ND	12V, Precision 500mA Regulator	D-PAK			680.00/2,500
L78M12ACDT-TR	497-1210-1-ND	12V, Precision 500mA Regulator	D-PAK	.86	.69	.52
L78M12ACDT-TR	497-1210-2-ND	12V, Precision 500mA Regulator	D-PAK			677.50/2,500
L78M12CDT-T	497-4228-5-ND	12V, Precision 500mA Regulator	I-PAK	1.08	.87	.65
L78M12CDT-TR	497-1211-1-ND	12V, Positive 500mA Regulator	D-PAK	.90	.72	.54
L78M12CDT-TR	497-1211-2-ND	12V, Positive 500mA Regulator	D-PAK			712.50/2,500
L78M12CV	497-1464-5-ND	12V, Positive 500mA Regulator	TO-220	.72	.58	.44
L78M15ABV	497-1465-5-ND	15V, Precision 500mA Regulator	TO-220	.86	.69	.52
L78M15ACDT	497-4229-5-ND	15V, Precision 500mA Regulator	D-PAK	1.16	1.01	.78
L78M15CDT-TR	497-1212-1-ND	15V, Precision 500mA Regulator	D-PAK	1.08	.87	.65
L78M15CDT-TR	497-1212-2-ND	15V, Precision 500mA Regulator	D-PAK			855.00/2,500
L78M15CV	497-2958-5-ND	15V, Precision 500mA Regulator	TO-220	.90	.72	.54
L78M18ABDT	497-1466-5-ND	18V, Precision 500mA Regulator	D-PAK	1.80	1.56	1.20
L78M24ABV	497-4813-5-ND	24V, Precision 500mA Regulator	TO-220	.90	.72	.54
L78M24CDT-TR	497-1213-1-ND	24V, Precision 500mA Regulator	D-PAK	.98	.85	.65
L78M24CDT-TR	497-1213-2-ND	24V, Precision 500mA Regulator	D-PAK			865.00/2,500
L78M24CV	497-1467-5-ND	24V, Precision 500mA Regulator	TO-220	.72	.58	.44
L78S05CV	497-1468-5-ND	5V, Positive 2A Regulator	TO-220	1.04	.83	.63
L78S12CV	497-1469-5-ND	12V, Positive 2A Regulator	TO-220	1.04	.83	.63
L78S24CV	497-1470-5-ND	24V, Positive 2A Regulator	TO-220	1.04	.83	.63
L79L05ABUTR	497-1217-1-ND	-5V, Negative Voltage Regulator	SOT-89	.95	.76	.57
L79L05ABUTR	497-1217-2-ND	-5V, Negative Voltage Regulator	SOT-89			747.50/2,500
L79L05ACD13TR	497-1218-1-ND	-5V, Negative Voltage Regulator	8-SOIC	.55	.44	.33
L79L05ACD13TR	497-1218-2-ND	-5V, Negative Voltage Regulator	8-SOIC			412.50/2,500
L79L05ACUTR	497-1219-1-ND	-5V, Negative Voltage Regulator	SOT-89	.86	.69	.52
L79L05ACUTR	497-1219-2-ND	-5V, Negative Voltage Regulator	SOT-89			677.50/2,500
L79L05ACZ	497-2960-5-ND	-5V, Negative Voltage Regulator	TO-92	.70	.56	.42
L79L05ACZ-TR	497-1220-1-ND	-5V, Negative Voltage Regulator	TO-92	.48	.38	.29
L79L05ACZ-TR	497-1220-2-ND	-5V, Negative Voltage Regulator	TO-92			304.00/2,000
L79L12ACZ	497-1193-ND	-12V, Negative Voltage Regulator	TO-92	.70	.56	.42
L7805ABD2T-TR	497-1170-1-ND	5V, Precision 1A Regulator	D2-PAK	1.04	.83	.58
L7805ABD2T-TR	497-1170-2-ND	5V, Precision 1A Regulator	D2-PAK			357.00/1,000
L7805ABP	497-4226-5-ND	5V, Precision 1A Regulator	TO-220FP	.99	.80	.60
L7805ABV	497-2947-5-ND	5V, Precision 1A Regulator	TO-220	1.13	.98	.75
L7805ACV	497-1441-5-ND	5V, Precision 1A Regulator	TO-220	.72	.58	.44
L7805CD2T-TR	497-1171-1-ND	5V, Positive Voltage Regulator	D2-PAK	.86	.69	.52
L7805CD2T-TR	497-1171-2-ND	5V, Positive Voltage Regulator	D2-PAK			295.00/1,000
L7805CP	497-1442-5-ND	5V, Positive Voltage Regulator	TO-220FP	.81	.65	.49
L7805CT	497-1005-ND	5V, Positive Voltage Regulator	TO-3	3.11	2.71	2.02
L7805CV	497-1443-5-ND	5V, Positive 1A Regulator	TO-220	.55	.44	.33
L7806ABD2T-TR	497-1172-1-ND	6V, Precision 1A Regulator	D2-PAK	1.13	.90	.63
L7806ABD2T-TR	497-1172-2-ND	6V, Precision 1A Regulator	D2-PAK			388.00/1,000
L7806ABV	497-1444-5-ND	6V, Precision 1A Regulator	TO-220	.77	.62	.46
L7806CV	497-1445-5-ND	6V, Positive Voltage Regulator	TO-220	.65	.52	.39
L7808ABD2T-TR	497-1173-1-ND	8V, Precision 1A Regulator	D2-PAK	1.13	.90	.68
L7808ABD2T-TR	497-1173-2-ND	8V, Precision 1A Regulator	D2-PAK			388.00/1,000
L7808ABV	497-1446-5-ND	8V, Precision 1A Regulator	TO-220	.77	.62	.46
L7808CD2T-TR	497-1174-1-ND	8V, Positive Voltage Regulator	D2-PAK	1.08	.87	.65
L7808CD2T-TR	497-1174-2-ND	8V, Positive Voltage Regulator	D2-PAK			372.00/1,000
L7808CV	497-2949-5-ND	8V, Positive Voltage Regulator	TO-220	.70	.57	.43
L7809ABD2T	497-4227-5-ND	9V, Precision 1A Regulator	D2-PAK	1.24	1.08	.83
L7809ABV	497-1447-5-ND	9V, Precision 1A Regulator	TO-220	1.24	1.08	.83
L7809ACD2T-TR	497-1175-1-ND	9V, Precision 1A Regulator	D2-PAK	.94	.82	.63
L7809ACD2T-TR	497-1175-2-ND	9V, Precision 1A Regulator	D2-PAK			363.00/1,000
L7809CD2T-TR	497-1176-1-ND	9V, Positive Voltage Regulator	D2-PAK	1.01	.87	.68
L7809CD2T-TR	497-1176-2-ND	9V, Positive Voltage Regulator	D2-PAK			392.00/1,000
L7809CV	497-1448-5-ND	9V, Positive Voltage Regulator	TO-220	.65	.52	.39
L7812ABV	497-1449-5-ND	12V, Precision 1A Regulator	TO-220	.81	.65	.49
L7812ACD2T-TR	497-1177-1-ND	12V, Precision 1A Regulator	D2-PAK	1.22	.98	.73
L7812ACD2T-TR	497-1177-2-ND	12V, Precision 1A Regulator	D2-PAK			419.00/1,000
L7812ACP	497-4939-5-ND	12V, Precision 1A Regulator	TO-220FP	.77	.62	.46
L7812ACV	497-1450-5-ND	12V, Precision 1A Regulator	TO-220	.72	.58	.44
L7812CD2T-TR	497-1178-1-ND	12V, Positive Voltage Regulator	D2-PAK	.99	.80	.60
L7812CD2T-TR	497-1178-2-ND	12V, Positive Voltage Regulator	D2-PAK			341.00/1,000
L7812CP	497-1451-5-ND	12V, Positive Voltage Regulator	TO-220FP	.98	.85	.65
L7812CT	497-1006-ND	12V, Positive Voltage Regulator	TO-3	1.86	1.55	1.31
L7812CV	497-1452-5-ND	12V, Positive Voltage Regulator	TO-220	.55	.44	.33
L7815ACV	497-1453-5-ND	15V, Precision 1A Regulator	TO-220	.77	.62	.46
L7815CD2T-TR	497-1179-1-ND	15V, Positive Voltage Regulator	D2-PAK	.99	.80	.60
L7815CD2T-TR	497-1179-2-ND	15V, Positive Voltage Regulator	D2-PAK			341.00/1,000
L7815CT	497-1007-ND	15V, Positive Voltage Regulator	TO-3	3.11	2.71	2.02
L7815CV	497-1454-5-ND	15V, Positive Voltage Regulator	TO-220	.55	.44	.33
L7818ABV	497-1455-5-ND	18V, Precision 1A Regulator	TO-220	1.24	1.08	.83
L7818CV	497-1456-5-ND	18V, Positive Voltage Regulator	TO-220	.65	.52	.39
L7820CV	497-1457-5-ND	20V, Positive Voltage Regulator	TO-220	.65	.52	.39
L7824ACV	497-1458-5-ND	24V, Precision 1A Regulator	TO-220	.77	.62	.46
L7824CD2T	497-1459-5-ND	24V, Positive Voltage Regulator	D2-PAK	1.05	.91	.70
L7824CD2T-TR	497-4775-1-ND	24V, Positive Voltage Regulator	D2-PAK	1.04	.83	.63
L7824CD2T-TR	497-4775-2-ND	24V, Positive Voltage Regulator	D2-PAK			357.00/1,000
L7824CT	497-1008-ND	24V, Positive Voltage Regulator	TO-3	3.11	2.71	2.02
L7824CV	497-1460-5-ND	24V, Positive Voltage Regulator	TO-220	.65	.52	.39
L7905ACV	497-1471-5-ND	-5V, Negative 2% Regulator	TO-220	.77	.62	.46
L7905CD2T	497-2959-5-ND	-5V, Negative Voltage Regulator	D2-PAK	1.16	1.01	.78
L7905CD2T-TR	497-1214-1-ND	-5V, Negative Voltage Regulator	D2-PAK	.99	.80	.60
L7905CD2T-TR	497-1214-2-ND	-5V, Negative Voltage Regulator	D2-PAK			341.00/1,000
L7905CV	497-1472-5-ND	-5V, Negative Voltage Regulator	TO-220	.65	.52	.39
L7906CD2T-TR	497-4230-1-ND	-6V, Negative Voltage Regulator	D2-PAK	1.16	1.01	.78
L7906CD2T-TR	497-4230-2-ND	-6V, Negative Voltage Regulator	D2-PAK			450.00/1,000
L7906CV	497-1473-5-ND	-6V, Negative Voltage Regulator	TO-220	.72	.58	.44
L7908ACV	497-4231-5-ND	-8V, Negative Voltage Regulator	TO-220	.72	.58	.44
L7908CV	497-1474-5-ND	-8V, Negative Voltage Regulator	TO-220	.72	.58	.44
L7912ACV	497-1475-5-ND	-12V, Negative 2% Regulator	TO-220	.72	.58	.44
L7912CD2T-TR	497-1215-1-ND	-12V, Negative Voltage Regulator	D2-PAK	1.08	.87	.65

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

STMicroelectronics — 78/79 SERIES VOLTAGE REGULATORS *(Continued)*

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
L7912CD2T-TR	497-1215-2-ND	-12V, Negative Voltage Regulator	D2-PAK	372.00/1,000		
L7912CV	497-1476-5-ND	-12V, Negative Voltage Regulator	TO-220	.65	.52	.39
L7915ACV	497-1477-5-ND	-15V, Negative Voltage Regulator	TO-220	.72	.58	.44
L7915CD2T-TR	497-1216-1-ND	-15V, Negative Voltage Regulator	D2-PAK	1.16	1.01	.78
L7915CD2T-TR	497-1216-2-ND	-15V, Negative Voltage Regulator	D2-PAK	450.00/1,000		
L7915CV	497-1478-5-ND	-15V, Negative Voltage Regulator	TO-220	.65	.52	.39
L7918CV	497-1479-5-ND	-18V, Negative Voltage Regulator	TO-220	.65	.52	.39
L7924CV	497-1480-5-ND	-24V, Negative Voltage Regulator	TO-220	.68	.54	.45

STMicroelectronics — APPLICATION SPECIFIC DISCRETES

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
ACS102-5TA-TR	497-3113-1-ND	AC Line Switch	TO-92	1.50	1.30	1.00
ACS102-5TA-TR	497-3113-2-ND	AC Line Switch	TO-92	1160.00/2,000		
ACS108-5SA	497-2401-ND	AC Line Switch	TO-92	1.68	1.40	1.18
ACS108-5SN	497-2448-1-ND	AC Line Switch	SOT-223	2.10	1.75	1.47
ACS108-5SN	497-2448-2-ND	AC Line Switch	SOT-223	945.00/1,000		
ACS110-7SB2	497-4149-5-ND	AC Line Switch	8-DIL	1.80	1.50	1.26
ACS120-7SFP	497-3815-5-ND	AC Line Switch	TO-220-FPAB	1.73	1.50	1.15
ACS302-5T3	497-3114-5-ND	AC Switch Array, 3 Lines	20-SOIC	2.13	1.78	1.50
ACST4-7CB	497-4639-5-ND	AC Power Switch	D-PAK	2.40	2.00	1.68
ACST4-7CFP	497-3820-5-ND	AC Power Switch	TO-220-FPAB	2.40	2.00	1.68
ACST4-7CH	497-4640-5-ND	AC Power Switch	I-PAK	2.40	2.00	1.68
ACST4-7SB	497-2555-5-ND	AC Power Switch	D-PAK	2.40	2.00	1.68
ACST4-7SB-TR	497-2555-1-ND	AC Power Switch	D-PAK	1.50	1.25	1.05
ACST4-7SB-TR	497-2555-2-ND	AC Power Switch	D-PAK	1820.00/2,500		
ACST4-7SFP	497-2568-5-ND	AC Power Switch	TO-220-FPAB	2.40	2.00	1.68
ACST6-7SFP	497-3789-5-ND	Over Voltage Protected AC Power Switch	TO-220-FPAB	2.25	1.88	1.58
ACST6-7SG	497-3115-5-ND	Over Volt. Protected AC Power Switch	D2-PAK	2.25	1.88	1.58
ACST6-7ST	497-2547-5-ND	Over Volt. Protected AC Power Switch	TO-220AB	2.10	1.75	1.47
ACST8-8CFP	497-2566-5-ND	Over Voltage Protected AC Power Switch	TO-220-FPAB	2.67	2.23	1.87
ACST8-8CG-TR	497-4151-1-ND	Over Volt. Protected AC Power Switch	D2-PAK	2.67	2.23	1.87
ACST8-8CG-TR	497-4151-2-ND	Over Volt. Protected AC Power Switch	D2-PAK	1202.00/1,000		
ACST8-8CT	497-3380-ND	Over Voltage Protected AC Power Switch	TO-220AB	2.40	2.00	1.68
AVS08CB	497-2567-5-ND	Auto Voltage Switch	TO-220AB	2.22	1.85	1.56
AVS1ACP08	497-3620-ND	Auto Voltage Switch	8-Dip	3.78	3.29	2.45
AVS12CB	497-2564-5-ND	Auto Voltage Switch	TO-220AB	2.73	2.38	1.77
DA108S1	497-2696-5-ND	Diode Array	8-SOIC	1.43	1.24	.95
DA108S1RL	497-3399-1-ND	8 Diode Array	8-SOIC	1.43	1.24	.95
DA108S1RL	497-3399-2-ND	8 Diode Array	8-SOIC	1262.50/2,500		
DALC112S1	497-2695-5-ND	12 Diode Low Capacitance Array for ESD Protection	8-SOIC	1.24	1.08	.83
DALC112S1RL	497-3400-1-ND	12 Diode Low Capacitance Array for ESD Protection	8-SOIC	1.24	1.08	.83
DALC112S1RL	497-3400-2-ND	12 Diode Low Capacitance Array for ESD Protection	8-SOIC	1097.50/2,500		
DALC208SC6	497-2525-1-ND	Low Capacitance Diode Array	SOT-23-6	1.24	1.08	.83
DALC208SC6	497-2525-2-ND	Low Capacitance Diode Array	SOT-23-6	1317.00/3,000		
EMIF01-10005W5	497-3708-1-ND	1 Line EMI Filter	SOT-323-5	1.13	.98	.75
EMIF01-10005W5	497-3708-2-ND	1 Line EMI Filter	SOT-323-5	1197.00/3,000		
EMIF02-MIC02F2	497-3782-1-ND	2 Lines EMI Filter, ESD Protection	Flip Chip	1.13	.98	.75
EMIF02-MIC02F2	497-3782-2-ND	2 Lines EMI Filter, ESD Protection	Flip Chip	1915.00/5,000		
EMIF02-USB05C2	497-4613-1-ND	2 Lines EMI Filter, ESD Protection	Flip Chip	1.13	.98	.75
EMIF02-USB05C2	497-4613-2-ND	2 Lines EMI Filter, ESD Protection	Flip Chip	1915.00/5,000		
EMIF03-SIM01	497-3709-1-ND	3 Lines EMI Filter	Flip Chip	1.09	.95	.73
EMIF03-SIM01	497-3709-2-ND	3 Lines EMI Filter	Flip Chip	1850.00/5,000		
EMIF04-VID01F2	497-4614-1-ND	4 Lines Low Capacitance EMI Filter, ESD Protection	Flip Chip	.94	.82	.63
EMIF04-VID01F2	497-4614-2-ND	4 Lines Low Capacitance EMI Filter, ESD Protection	Flip Chip	1595.00/5,000		
EMIF06-10006F1	497-3710-1-ND	6 Lines EMI Filter	Flip Chip	1.09	.95	.73
EMIF06-10006F1	497-3710-2-ND	6 Lines EMI Filter	Flip Chip	1850.00/5,000		
EMIF06-VID01F2	497-4543-1-ND	6 Lines Low Capacitance EMI Filter	Flip Chip	1.31	1.14	.88
EMIF06-VID01F2	497-4543-2-ND	6 Lines Low Capacitance EMI Filter	Flip Chip	2230.00/5,000		
SSRP105B1	497-4303-5-ND	Dual Asymmetrical Overvoltage Protection for Telecom Line	8-SOIC	1.50	1.25	1.05
ST1284-01A8	497-2565-5-ND	Single Termination Network	28-QSOP	2.85	2.38	2.00
ST1394-01SC6	497-3725-1-ND	IEEE1394 One Port Cable Termination Network with ESD Protection	SOT-23-6	1.13	.98	.75
ST1394-01SC6	497-3725-2-ND	IEEE1394 One Port Cable Termination Network with ESD Protection	SOT-23-6	1197.00/3,000		
STIL02-P5	497-3174-5-ND	AC Inrush Current Limiter	Pentawatt HV2	1.77	1.48	1.24
STIL04-P5	497-3175-5-ND	AC Inrush Current Limiter	Pentawatt HV2	1.77	1.48	1.24
STIL04-T5	497-4359-5-ND	AC Inrush Current Limiter	Pentawatt HV2	2.40	2.00	1.68
STIL08-T5	497-4360-5-ND	AC Inrush Current Limiter	Pentawatt	3.92	3.41	2.54
STLD20D-C8	497-4361-1-ND	White LED Power Supply	SOT-23-8L	2.25	1.88	1.58
STLD20D-C8	497-4361-2-ND	White LED Power Supply	SOT-23-8L	2925.00/3,000		
STLD20D-DEF	497-4362-1-ND	White LED Power Supply	8-QFN	2.40	2.00	1.68
STLD20D-DEF	497-4362-2-ND	White LED Power Supply	8-QFN	3120.00/3,000		
STLD40DPMR	497-5125-1-ND	White LED Power Supply* ***NEW!***	8-QFN	3.65	3.18	2.37
STLD40DPMR	497-5125-2-ND	White LED Power Supply* ***NEW!***	8-QFN	5184.00/3,000		
STP08CS96B1	497-3744-5-ND	8-Bit Constant Current LED Sink Driver	16-Dip	1.68	1.40	1.18
STPAC01F2	497-4388-1-ND	RF Detector for Power Amp Control	Flip Chip	1.50	1.30	1.00
STPAC01F2	497-4388-2-ND	RF Detector for Power Amp Control	Flip Chip	2550.00/5,000		
STPAC02F1	497-4389-1-ND	RF Detector for Power Amp Control	Flip Chip	1.69	1.47	1.13
STPAC02F1	497-4389-2-ND	RF Detector for Power Amp Control	Flip Chip	2870.00/5,000		
TN22-1500B-TR	497-3772-1-ND	400V, 1.8A Startlight	D-PAK	1.58	1.37	1.05
TN22-1500B-TR	497-3772-2-ND	400V, 1.8A Startlight	D-PAK	1397.50/2,500		
TPN3021RL	497-3741-1-ND	Tripolar Overvoltage Protection for Network Interfaces	8-SOIC	1.65	1.38	1.16
TPN3021RL	497-3741-2-ND	Tripolar Overvoltage Protection for Network Interfaces	8-SOIC	1787.50/2,500		
USB6B1	497-2727-5-ND	Data Line Protection	8-SOIC	1.69	1.47	1.13
USB6B1RL	497-3281-1-ND	Data Line Protection	8-SOIC	1.28	1.11	.85
USB6B1RL	497-3281-2-ND	Data Line Protection	8-SOIC	1130.00/2,500		

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
USBDF02W5	497-3742-1-ND	EMI Filter and Line Termination for USB Downstream Ports	SOT-323-5	1.35	1.17	.90
USBDF02W5	497-3742-2-ND	EMI Filter and Line Termination for USB Downstream Ports	SOT-323-5	1437.00/3,000		
USBLC6-4SC6	497-4492-1-ND	Very Low Capacitance ESD Protection	SOT-23-6L	1.28	1.11	.85
USBLC6-4SC6	497-4492-2-ND	Very Low Capacitance ESD Protection	SOT-23-6L	1356.00/3,000		
USBUF01P6	497-3282-1-ND	EMI Filter/Line Termination	SOT-666	.90	.72	.54
USBUF01P6	497-3282-2-ND	EMI Filter/Line Termination	SOT-666	855.00/3,000		
USBUF02W6	497-3743-1-ND	EMI Filter and Line Termination for USB Upstream Ports	SOT-323-6	1.08	.87	.65
USBUF02W6	497-3743-2-ND	EMI Filter and Line Termination for USB Upstream Ports	SOT-323-6	1026.00/3,000		

RoHS Compliant Part

E-AVS1ACP08	497-4551-ND	Auto Voltage Switch	8-Dip	3.38	2.94	2.19

STMicroelectronics — HCF SERIES

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
HCF4001BEY	497-1340-5-ND	Quad 2-Input NOR Gate	14-Dip	.55	.43	.31
HCF4001M013TR	497-1110-1-ND	Quad 2-Input NOR Gate	14-SOIC	.55	.43	.26
HCF4001M013TR	497-1110-2-ND	Quad 2-Input NOR Gate	14-SOIC	362.50/2,500		
HCF4011BEY	497-1345-5-ND	Quad 2-Input NAND Gate	14-Dip	.48	.35	.26
HCF4011M013TR	497-1114-1-ND	Quad 2-Input NAND Gate	14-SOIC	.49	.30	.23
HCF4011M013TR	497-1114-2-ND	Quad 2-Input NAND Gate	14-SOIC	320.00/2,500		
HCF4013BEY	497-1346-5-ND	Dual D-Type Flip-Flop	14-Dip	.48	.35	.26
HCF4013M013TR	497-1115-1-ND	Dual D-Type Flip-Flop	14-SOIC	.45	.36	.27
HCF4013M013TR	497-1115-2-ND	Dual D-Type Flip-Flop	14-SOIC	337.50/2,500		
HCF4014BEY	497-1347-5-ND	Sync. Parallel or Serial In/Serial Out 8-Stage Static Shift Register	16-Dip	.63	.51	.38
HCF4014M013TR	497-1116-1-ND	Sync. Parallel or Serial In/Serial Out 8-Stage Static Shift Register	16-SOIC	.45	.36	.27
HCF4014M013TR	497-1116-2-ND	Sync. Parallel or Serial In/Serial Out 8-Stage Static Shift Register	16-SOIC	337.50/2,500		
HCF4015BEY	497-1348-5-ND	Dual 4-Stage Static Shift Register	16-Dip	.48	.35	.26
HCF4015M013TR	497-1117-1-ND	Dual 4-Stage Static Shift Register	16-SOIC	.72	.58	.44
HCF4015M013TR	497-1117-2-ND	Dual 4-Stage Static Shift Register	16-SOIC	570.00/2,500		
HCF4016BEY	497-1349-5-ND	Quad Bilateral Switch	14-Dip	.65	.47	.36
HCF4016M013TR	497-1118-1-ND	Quad Bilateral Switch	14-SOIC	.49	.30	.23
HCF4016M013TR	497-1118-2-ND	Quad Bilateral Switch	14-SOIC	320.00/2,500		
HCF4017BEY	497-1350-5-ND	Decade Counter w/10 Decoded Output	16-Dip	.77	.62	.46
HCF4017M013TR	497-1119-1-ND	Decade Counter with 10 Decoded Output	16-SOIC	.50	.40	.30
HCF4017M013TR	497-1119-2-ND	Decade Counter with 10 Decoded Output	16-SOIC	375.00/2,500		
HCF40208EY	497-1351-5-ND	14-Stage Ripple-Carry Binary Counter/Divider	16-Dip	.60	.44	.33
HCF4021BEY	497-1352-5-ND	Async. Parallel In or Sync. Serial In/Serial Out 8-Stage Static Shift Register	16-Dip	.49	.43	.33
HCF4021M013TR	497-1120-1-ND	Async. Parallel In or Sync. Serial In/Serial Out 8-Stage Static Shift Register	16-SOIC	.55	.40	.30
HCF4021M013TR	497-1120-2-ND	Async. Parallel In or Sync. Serial In/Serial Out 8-Stage Static Shift Register	16-SOIC	412.50/2,500		
HCF4024BEY	497-1353-5-ND	7-Stage Ripple-Carry Binary Counter/Divider	14-Dip	.50	.40	.30
HCF4024M013TR	497-1121-1-ND	7-Stage Ripple-Carry Binary Counter/Divider	14-SOIC	.52	.40	.29
HCF4024M013TR	497-1121-2-ND	7-Stage Ripple-Carry Binary Counter/Divider	14-SOIC	340.00/2,500		
HCF4028BEY	497-1354-5-ND	BCD to Decimal Decoder	16-Dip	.65	.47	.36
HCF4028M013TR	497-1122-1-ND	BCD to Decimal Decoder	16-SOIC	.50	.40	.30
HCF4028M013TR	497-1122-2-ND	BCD to Decimal Decoder	16-SOIC	375.00/2,500		
HCF4030BEY	497-1355-5-ND	Quad Exclusive OR Gate	14-Dip	.60	.48	.36
HCF4030M013TR	497-1123-1-ND	Quad Exclusive OR Gate	14-SOIC	.52	.40	.29
HCF4030M013TR	497-1123-2-ND	Quad Exclusive OR Gate	14-SOIC	340.00/2,500		
HCF4040BEY	497-1356-5-ND	12-Stage Ripple-Carry Binary Counter/Divider	16-Dip	.63	.51	.38
HCF4040M013TR	497-1124-1-ND	12-Stage Ripple-Carry Binary Counter/Divider	16-SOIC	.50	.40	.30
HCF4040M013TR	497-1124-2-ND	12-Stage Ripple-Carry Binary Counter/Divider	16-SOIC	375.00/2,500		
HCF4042BEY	497-1357-5-ND	Quad Clocked D-Latch	16-Dip	.79	.63	.48
HCF4042M013TR	497-1125-1-ND	Quad Clocked D-Latch	16-SOIC	.52	.32	.24
HCF4042M013TR	497-1125-2-ND	Quad Clocked D-Latch	16-SOIC	340.00/2,500		
HCF4047BEY	497-1358-5-ND	Low Power Monostable/Astable Multivibrator	14-Dip	.60	.44	.33
HCF4047M013TR	497-1126-1-ND	Low Power Monostable/Astable Multivibrator	14-SOIC	.65	.47	.36
HCF4047M013TR	497-1126-2-ND	Low Power Monostable/Astable Multivibrator	14-SOIC	487.50/2,500		
HCF4049UBEY	497-1359-5-ND	Hex Buffer/Converter	16-Dip	.55	.40	.30
HCF4049UM013TR	497-1127-1-ND	Hex Buffer/Converter	16-SOIC	.55	.34	.26
HCF4049UM013TR	497-1127-2-ND	Hex Buffer/Converter	16-SOIC	362.50/2,500		
HCF4050BEY	497-1360-5-ND	Hex Buffer/Converter	16-Dip	.48	.35	.26
HCF4050M013TR	497-1128-1-ND	Hex Buffer/Converter	16-SOIC	.55	.34	.26
HCF4050M013TR	497-1128-2-ND	Hex Buffer/Converter	16-SOIC	362.50/2,500		
HCF4051BEY	497-1361-5-ND	8-Channel Analog Mux/Demux	16-Dip	.55	.44	.33
HCF4051M013TR	497-1129-1-ND	8-Channel Analog Mux/Demux	16-SOIC	.48	.35	.26
HCF4051M013TR	497-1129-2-ND	8-Channel Analog Mux/Demux	16-SOIC	357.50/2,500		
HCF4052BEY	497-1362-5-ND	Diff. 4-Channel Analog Mux/Demux	16-Dip	.65	.47	.36
HCF4052M013TR	497-1130-1-ND	Diff. 4-Channel Analog Mux/Demux	16-SOIC	.48	.38	.29
HCF4052M013TR	497-1130-2-ND	Diff. 4-Channel Analog Mux/Demux	16-SOIC	357.50/2,500		
HCF4053BEY	497-1363-5-ND	Triple 2-Channel Analog Mux/Demux	16-Dip	.48	.35	.26
HCF4053BTTR	497-2383-1-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.72	.58	.44
HCF4053BTTR	497-2383-2-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	570.00/2,500		
HCF4053M013TR	497-1131-1-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.65	.52	.36
HCF4053M013TR	497-1131-2-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	487.50/2,500		
HCF4056BEY	497-1364-5-ND	BCD-to-7 Segment Decoder/Driver	16-Dip	.95	.76	.57
HCF4056M013TR	497-1132-1-ND	BCD-to-7 Segment Decoder/Driver	16-SOIC	.77	.62	.46
HCF4056M013TR	497-1132-2-ND	BCD-to-7 Segment Decoder/Driver	16-SOIC	605.00/2,500		
HCF4060BEY	497-1365-5-ND	14-Stage Ripple Carry Binary Counter/Divider and Oscillator	16-Dip	.65	.47	.36
HCF4060M013TR	497-1133-1-ND	14-Stage Ripple Carry Binary Counter/Divider and Oscillator	16-SOIC	.60	.44	.33

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STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
L6730BTR	497-5097-2-ND	Adjustable Step-Down Controller* **NEW!**	20-HTSSOP		2600.00/2,500	
L6730TR	497-5098-1-ND	Adjustable Step-Down Controller* **NEW!**	20-HTSSOP	2.40	2.00	1.68
L6730TR	497-5098-2-ND	Adjustable Step-Down Controller* **NEW!**	20-HTSSOP		2600.00/2,500	
L6731BTR	497-5099-1-ND	Adjustable Step-Down Controller* **NEW!**	16-HTSSOP	1.68	1.40	1.18
L6731BTR	497-5099-2-ND	Adjustable Step-Down Controller* **NEW!**	16-HTSSOP		2437.50/2,500	
L6732TR	497-5240-1-ND	Adjustable Step-Down Controller* **NEW!**	16-HTSSOP	2.25	1.88	1.58
L6732TR	497-5240-2-ND	Adjustable Step-Down Controller* **NEW!**	16-HTSSOP		2437.50/2,500	
L6919ETR	497-4221-1-ND	5-Bit Prog. Dual-Phase Controller	28-SOIC	6.16	5.63	4.45
L6919ETR	497-4221-2-ND	5-Bit Prog. Dual-Phase Controller	28-SOIC		2128.00/1,000	
L6920DB	497-4812-5-ND	High Eff. Sync. Step-Up Converter	8-MSOP	2.25	1.88	1.58
L6920DBTR	497-5241-1-ND	High Eff. Sync. Step-Up Converter* **NEW!**	8-MSOP	2.25	1.88	1.58
L6920DBTR	497-5241-2-ND	High Eff. Sync. Step-Up Converter* **NEW!**	8-MSOP		3900.00/4,000	
L6920DTR	497-3368-1-ND	High Eff. Sync. Step-Up Converter	8-TSSOP	2.97	2.59	1.93
L6920DTR	497-3368-2-ND	High Eff. Sync. Step-Up Converter	8-TSSOP		5720.00/4,000	
L6924D013TR	497-5100-1-ND	Battery Charger System* **NEW!**	16-VFQFPN	2.97	2.59	1.93
L6924D013TR	497-5100-2-ND	Battery Charger System* **NEW!**	16-VFQFPN		5632.00/4,000	
L6925D013TR	497-3369-1-ND	High Eff. Mono Sync. Step-Down Regulator	8-MSOP	2.55	2.13	1.79
L6926013TR	497-3370-1-ND	Battery Management	—	2.64	2.20	1.85
L6926Q1TR	497-5101-1-ND	High Efficiency Mono Sync. Step-Down Regulator* **NEW!**	8-VFQFPN	2.40	2.00	1.68
L6926Q1TR	497-5101-2-ND	High Efficiency Mono Sync. Step-Down Regulator* **NEW!**	8-VFQFPN		4160.00/4,000	
L6928D013TR	497-4222-1-ND	High Efficiency Mono Sync. Step-Down Regulator	8-MSOP	2.73	2.28	1.92
L6928D013TR	497-4222-2-ND	High Efficiency Mono Sync. Step-Down Regulator	8-MSOP		4732.00/4,000	
L6928Q1TR	497-5180-1-ND	High Efficiency Mono Sync. Step-Down Regulator* **NEW!**	8-VFQFPN	2.40	2.00	1.68
L6928Q1TR	497-5180-2-ND	High Efficiency Mono Sync. Step-Down Regulator* **NEW!**	8-VFQFPN		4160.00/4,000	
L6932D1.5TR	497-5102-1-ND	High Perf. 2A LDO Linear Regulator* **NEW!**	8-SOIC	1.89	1.58	1.33
L6932D1.5TR	497-5102-2-ND	High Perf. 2A LDO Linear Regulator* **NEW!**	8-SOIC		2047.50/2,500	
L6995DTR	497-4223-1-ND	Step-Down Controller	20-TSSOP	5.10	4.45	3.31
L6995DTR	497-4223-2-ND	Step-Down Controller	20-TSSOP		6047.50/2,500	
L6997STR	497-4225-1-ND	Step-Down Controller	20-TSSOP	3.78	3.29	2.45
L6997STR	497-4225-2-ND	Step-Down Controller	20-TSSOP		4480.00/2,500	
L9222D013TR	497-3921-1-ND	Quad Inverting Transistor Switch	20-SOIC	3.38	2.94	2.19
L9222D013TR	497-3921-2-ND	Quad Inverting Transistor Switch	20-SOIC		1663.00/1,000	
L9333MD-TR	497-3923-1-ND	Quad Low Side Driver	20-SOIC	3.13	2.73	2.03
L9333MD-TR	497-3923-2-ND	Quad Low Side Driver	20-SOIC		1543.00/1,000	
L9337MD/TR	497-3924-1-ND	Triple Low Side Driver	20-SOIC	3.13	2.73	2.03
L9337MD/TR	497-3924-2-ND	Triple Low Side Driver	20-SOIC		1543.00/1,000	
L9338MD	497-3657-5-ND	Quad Low Side Driver	20-SOIC	3.13	2.73	2.03
L9338MDTR	497-3657-1-ND	Quad Low Side Driver	20-SOIC	3.13	2.73	2.03
L9338MDTR	497-3657-2-ND	Quad Low Side Driver	20-SOIC		1543.00/1,000	
L9339-TR	497-3925-1-ND	Quad Low Side Driver	20-SOIC	3.13	2.73	2.03
L9339-TR	497-3925-2-ND	Quad Low Side Driver	20-SOIC		1543.00/1,000	
L9339MD-TR	497-3926-1-ND	Quad Low Side Driver	20-SOIC	3.13	2.73	2.03
L9339MD-TR	497-3926-2-ND	Quad Low Side Driver	20-SOIC		1543.00/1,000	
L9347PD-TR	497-3927-1-ND	Intelligent Quad Low Side Switch	36-Power SOIC	6.33	5.78	4.57
L9347PD-TR	497-3927-2-ND	Intelligent Quad Low Side Switch	36-Power SOIC		2145.00/600	
L9386MD	497-3928-5-ND	Dual Intelligent Power Low Side Switch	20-SOIC	5.27	4.59	3.42
L9613B013TR	497-3929-1-ND	Data Interface	8-SOIC	2.79	2.33	1.96
L9613B013TR	497-3929-2-ND	Data Interface	8-SOIC		3022.50/2,500	
L9615D013TR	497-3658-1-ND	CAN Bus Transceiver	8-SOIC	2.85	2.38	2.00
L9615D013TR	497-3658-2-ND	CAN Bus Transceiver	8-SOIC		3087.50/2,500	
L9616-TR	497-3930-1-ND	High Speed CAN Bus Transceiver	8-SOIC	3.24	2.82	2.10
L9616-TR	497-3930-2-ND	High Speed CAN Bus Transceiver	8-SOIC		3840.00/2,500	
L9637D013TR	497-3659-1-ND	ISO 9141 Interface	8-SOIC	2.55	2.13	1.79
L9637D013TR	497-3659-2-ND	ISO 9141 Interface	8-SOIC		2762.50/2,500	
L9638D013TR	497-3931-1-ND	LIN Bus Transceiver	8-SOIC	2.40	2.00	1.68
L9638D013TR	497-3931-2-ND	LIN Bus Transceiver	8-SOIC		2600.00/2,500	
L9651	497-3932-5-ND	Smart Quad Switch	20-Power SOIC	6.35	5.80	4.59
L9700D013TR	497-3372-1-ND	Hex Precision Limiter	8-SOIC	3.65	3.18	2.37
L9700D013TR	497-3372-2-ND	Hex Precision Limiter	8-SOIC		4320.00/2,500	
L9820D013TR	497-3934-1-ND	High Side Driver	8-SOIC	3.65	3.18	2.37
L9820D013TR	497-3934-2-ND	High Side Driver	8-SOIC		4320.00/2,500	
L9822E	497-3660-5-ND	Octal Serial Solenoid Driver	15-Multiwatt	9.78	8.93	7.06
L9822EPD013TR	497-3660-1-ND	Octal Serial Solenoid Driver	20-Power SOIC	6.44	5.88	4.65
L9822EPD013TR	497-3660-2-ND	Octal Serial Solenoid Driver	20-Power SOIC		2352.00/600	
L9825TR	497-3936-1-ND	Octal Low Side Driver Circuit for Automotive Applications	20-Power SOIC	3.38	2.94	2.19
L9825TR	497-3936-2-ND	Octal Low Side Driver Circuit for Automotive Applications	20-Power SOIC		1050.00/600	
L9903TR	497-3937-1-ND	Motor Bridge Controller	20-SOIC	6.67	6.09	4.82
L9903TR	497-3937-2-ND	Motor Bridge Controller	20-SOIC		3698.00/1,000	
L9925	497-3938-5-ND	DMOS Dual Full Bridge Driver	28-SOIC	7.59	6.93	5.48
L9997ND013TR	497-3661-1-ND	Dual Half Bridge Driver	20-SOIC	2.52	2.10	1.77
L9997ND013TR	497-3661-2-ND	Dual Half Bridge Driver	20-SOIC		1302.00/1,000	
L9726013TR	497-3621-1-ND	Low Drop Dual Power Op Amp	14-SOIC	2.70	2.25	1.89
L2726013TR	497-3621-2-ND	Low Drop Dual Power Op Amp	14-SOIC		1215.00/1,000	
L4969013TR	497-3356-1-ND	Voltage Reg. w/Fault Tolerant	20-Power SOIC	6.10	5.57	4.40
L4969013TR	497-3356-2-ND	Voltage Reg. w/Fault Tolerant	20-Power SOIC		2067.00/600	
L6201013TR	497-3640-1-ND	DMOS Full Bridge Driver	20-SOIC	8.56	7.82	6.18
L6201013TR	497-3640-2-ND	DMOS Full Bridge Driver	20-SOIC		4743.00/1,000	
L6451013TR	497-4016-1-ND	28-Channel Ink Jet Driver	44-PLCC	8.72	7.96	6.30
L6451013TR	497-4016-2-ND	28-Channel Ink Jet Driver	44-PLCC		2463.50/500	
L9669013TR	497-3933-1-ND	Fault Tolerant CAN Transceiver	14-SOIC	3.94	3.44	2.56
L9669013TR	497-3933-2-ND	Fault Tolerant CAN Transceiver	14-SOIC		4672.50/2,500	
L9935013TR	497-3373-1-ND	2-Phase Stepper Motor Driver	20-Power SOIC	6.05	5.53	4.37
L9935013TR	497-3373-2-ND	2-Phase Stepper Motor Driver	20-Power SOIC		2011.95/600	
L5347DT	497-2963-1-ND	Wide Bandwidth Quad J-FET Op Amp	14-SOIC	1.09	.95	.73
L5347DT	497-2963-2-ND	Wide Bandwidth Quad J-FET Op Amp	14-SOIC		965.00/2,500	
L5347N	497-2964-5-ND	Wide Bandwidth Quad J-FET Op Amp	14-Dip	1.05	.91	.70
L351D	497-4041-5-ND	Wide Bandwidth Single J-FET Op Amp	8-SOIC	1.04	.83	.63
LF351DT	497-4041-1-ND	Wide Bandwidth Single J-FET Op Amp	8-SOIC	.90	.72	.54
LF351DT	497-4041-2-ND	Wide Bandwidth Single J-FET Op Amp	8-SOIC		712.50/2,500	
L351N	497-2966-5-ND	Wide Bandwidth Single J-FET Op Amp	8-Dip	.99	.80	.60
LF353DT	497-2967-1-ND	Wide Bandwidth Dual J-FET Op Amp	8-SOIC	1.08	.87	.65
LF353DT	497-2967-2-ND	Wide Bandwidth Dual J-FET Op Amp	8-SOIC		855.00/2,500	
L353N	497-2968-5-ND	Wide Bandwidth Dual J-FET Op Amp	8-Dip	1.08	.87	.65
LIS2L02AQ	497-4025-ND	Dual Axis Linear Accelerometer	44-QFN	10.93	9.98	7.89
LIS3L02AQ	497-4026-ND	Low Power Three Axis Linear Accelerometer	44-QFN	13.90	12.86	9.73
LK115D50-TR	497-1541-1-ND	5V, LDO Voltage Regulator	8-SOIC	1.09	.95	.73
LK115D50-TR	497-1541-2-ND	5V, LDO Voltage Regulator	8-SOIC		965.00/2,500	
LM124D	497-2969-5-ND	Low Power Quad Op Amp	14-SOIC	2.19	1.83	1.54
LM201AD	497-4042-5-ND	Single Op Amp	8-SOIC	1.58	1.37	1.05
LM201AN	497-2970-5-ND	Single Op Amp	8-Dip	1.54	1.34	1.03
LM211DT	497-1542-1-ND	Voltage Comparator	8-SOIC	.65	.52	.39
LM211DT	497-1542-2-ND	Voltage Comparator	8-SOIC		487.50/2,500	
LM217T	497-1543-5-ND	1.2V to 37V Regulator	TO-220	1.39	1.21	.93
LM219D	497-2971-5-ND	High Speed Dual Comparator	14-SOIC	1.58	1.37	1.05
LM219DT	497-1544-1-ND	High Speed Dual Comparator	14-SOIC	1.35	1.17	.90
LM219DT	497-1544-2-ND	High Speed Dual Comparator	14-SOIC		1197.50/2,500	
LM224ADT	497-1545-1-ND	Low Power Quad Op Amp	14-SOIC	.95	.76	.57
LM224ADT	497-1545-2-ND	Low Power Quad Op Amp	14-SOIC		747.50/2,500	
LM224AN	497-1546-5-ND	Low Power Quad Op Amp	14-Dip	.81	.65	.49
LM224APT	497-4043-1-ND	Low Power Quad Op Amp	14-TSSOP	.86	.69	.52
LM224APT	497-4043-2-ND	Low Power Quad Op Amp	14-TSSOP		677.50/2,500	
LM224DT	497-2972-1-ND	Low Power Quad Op Amp	14-SOIC	.77	.62	.46
LM224DT	497-2972-2-ND	Low Power Quad Op Amp	14-SOIC		605.00/2,500	
LM224N	497-1547-5-ND	Low Power Quad Op Amp	14-Dip	.55	.44	.33
LM224PT	497-1548-1-ND	Low Power Quad Op Amp	14-TSSOP	.72	.58	.44
LM224PT	497-1548-2-ND	Low Power Quad Op Amp	14-TSSOP		570.00/2,500	
LM234DT	497-1549-1-ND	3-Terminal Adj. Current Source	8-SOIC	1.61	1.40	1.08
LM234DT	497-1549-2-ND	3-Terminal Adj. Current Source	8-SOIC		1430.00/2,500	
LM239ADT	497-1550-1-ND	Low Power Quad Voltage Comparator	14-SOIC	.77	.62	.46
LM239ADT	497-1550-2-ND	Low Power Quad Voltage Comparator	14-SOIC		605.00/2,500	
LM239AN	497-1551-5-ND	Low Power Quad Voltage Comparator	14-Dip	1.08	.87	.65
LM239DT	497-2973-1-ND	Low Power Quad Voltage Comparator	14-SOIC	.95	.76	.57
LM239DT	497-2973-2-ND	Low Power Quad Voltage Comparator	14-SOIC		747.50/2,500	
LM239N	497-1552-5-ND	Low Power Quad Voltage Comparator	14-Dip	.55	.44	.33
LM2904T	497-4044-1-ND	Low Power Dual Volt. Comparator	14-TSSOP	.65	.52	.39
LM239PT	497-4044-2-ND	Low Power Dual Volt. Comparator	14-TSSOP		487.50/2,500	
LM258AST	497-4778-1-ND	Low Power Dual Op Amp	8-Mini SOIC	.70	.56	.42
LM258AST	497-4778-2-ND	Low Power Dual Op Amp	8-Mini SOIC		840.00/4,000	
LM258DT	497-1553-1-ND	Low Power Dual Op Amp	8-SOIC	.55	.43	.26
LM258DT	497-1553-2-ND	Low Power Dual Op Amp	8-SOIC		362.50/2,500	
LM258N	497-1554-5-ND	Low Power Dual Op Amp	8-Dip	.55	.44	.33
LM293ADT	497-4264-1-ND	Low Power Dual Voltage Comparator	8-SOIC	.99	.80	.60
LM293ADT	497-4264-2-ND	Low Power Dual Voltage Comparator	8-SOIC		785.00/2,500	
LM293DT	497-1566-1-ND	Low Power Dual Voltage Comparator	8-SOIC	.55	.44	.33
LM293DT	497-1566-2-ND	Low Power Dual Voltage Comparator	8-SOIC		412.50/2,500	
LM293N	497-1567-5-ND	Low Power Dual Voltage Comparator	8-Dip	.55	.44	.33
LM293ST	497-4265-1-ND	Low Power Dual Volt. Comparator	8-Mini SOIC	.72	.58	.44
LM293ST	497-4265-2-ND	Low Power Dual Volt. Comparator	8-Mini SOIC		912.00/4,000	
LM301AN	497-1568-5-ND	Single Op Amp	8-Dip	1.05	.91	.70
LM311DT	497-1569-1-ND	Voltage Comparator	8-SOIC	.55	.43	.31
LM311DT	497-1569-2-ND	Voltage Comparator	8-SOIC		362.50/2,500	
LM311N	497-1570-5-ND	Voltage Comparator	8-Dip	.55	.43	.26
LM317D2T	497-1571-5-ND	1.2V to 37V Adjustable Regulator	D2-PAK	1.35	1.17	.90
LM317D2T-TR	497-1571-1-ND	1.2V to 37V Adjustable Regulator	D2-PAK	.99	.80	.60
LM317D2T-TR	497-1571-2-ND	1.2V to 37V Adjustable Regulator	D2-PAK		341.00/1,000	
LM317LD13TR	497-1572-1-ND	1.2V to 37V Adjustable Regulator	8-SOIC	.60	.48	.36
LM317LD13TR	497-1572-2-ND	1.2V to 37V Adjustable Regulator	8-SOIC		450.00/2,500	
LM317LZ	497-1573-5-ND	1.2V to 37V Adjustable Regulator	TO-92	.70	.56	.42
LM317LZ-AP	497-4266-1-ND	1.2V to 37V Adjustable Regulator	TO-92	.72	.58	.44
LM317LZ-AP	497-4266-3-ND	1.2V to 37V Adjustable Regulator	TO-92		496.00/2,000	
LM317LZ-TR	497-1573-1-ND	1.2V to 37V Adjustable Regulator	TO-92	.65	.52	.39
LM317LZ-TR	497-1573-2-ND	1.2V to 37V Adjustable Regulator	TO-92		416.00/2,000	
LM317MDT-TR	497-1574-1-ND	1.2V to 37V Adjustable Regulator	D-PAK	.77	.62	.46
LM317MDT-TR	497-1574-2-ND	1.2V to 37V Adjustable Regulator	D-PAK		605.00/2,500	
LM317T	497-1575-5-ND	1.2V to 37V Adjustable Regulator	TO-220	.77	.62	.46
LM319DT	497-1576-1-ND	High Speed Dual Comparator	14-SOIC	1.04	.83	.58
LM319DT	497-1576-2-ND	High Speed Dual Comparator	14-SOIC		820.00/2,500	
LM319N	497-1577-5-ND	High Speed Dual Comparator	14-Dip	1.04	.80	.63
LM323K	497-2976-5-ND	5V, 3A Positive Voltage Regulator	TO-3	4.70	4.09	3.05
LM324ADT	497-1578-1-ND	Low Power Quad Op Amp	14-SOIC	.55	.43	.26
LM324ADT	497-1578-2-ND	Low Power Quad Op Amp	14-SOIC		362.50/2,500	
LM324AN	497-1579-5-ND	Low Power Quad Op Amp	14-Dip	.55	.34	.26
LM324DT	497-1580-1-ND	Low Power Quad Op Amp	14-SOIC	.49	.38	.23
LM324DT	497-1580-2-ND	Low Power Quad Op Amp	14-SOIC		320.00/2,500	
LM324N	497-1581-5-ND	Low Power Quad Op Amp	14-Dip	.55	.43	.26
LM334Z	497-1582-ND	3-Terminal Adjustable Current Source	TO-92	1.24	1.08	.83
LM335ADT	497-4047-1-ND	Precision Temperature Sensor	8-SOIC	1.61	1.40	1.08
LM335ADT	497-4047-2-ND	Precision Temperature Sensor	8-SOIC		1430.00/2,500	
LM335AZ	497-2977-5-ND	Precision Temperature Sensor	TO-92	1.54	1.34	1.03
LM335D	497-1583-5-ND	Precision Temperature Sensor	8-SOIC	1.46	1.27	.98
LM335DT	497-1583-1-ND	Precision Temperature Sensor	8-SOIC	1.34	1.16	.90
LM335DT	497-1583-2-ND	Precision Temperature Sensor	8-SOIC		1187.50/2,500	
LM335Z	497-1584-ND	Precision Temperature Sensor	TO-92	1.20	1.04	.80
LM337SP	497-1585-5-ND	3-Terminal Adjustable Neg. Volt. Reg.	TO-220	1.35	1.17	.90
LM338K	497-2979-5-ND	3-Terminal 5A Adj. Voltage Regulator	TO-3	8.37	7.65	6.05
LM339ADT	497-1586-1-ND	Low Power Quad Voltage Comparator	14-SOIC	.65	.44	.33
LM339ADT	497-1586-2-ND	Low Power Quad Voltage Comparator	14-SOIC		412.50/2,500	
LM339AN	497-1587-5-ND	Low Power Quad Voltage Comparator	14-Dip	.55	.44	.33
LM339DT	497-1588-1-ND	Low Power Quad Voltage Comparator	14-SOIC	.55	.43	.31
LM339DT	497-1588-2-ND	Low Power Quad Voltage Comparator	14-SOIC		362.50/2,500	
LM339N	497-1589-5-ND	Low Power Quad Voltage Comparator	14-Dip	.55	.43	.26

* *RoHS Compliant*

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LM339PT	497-4048-1-ND	Low Power Quad Volt. Comparator	14-TSSOP	.50	.40	.30
LM339PT	497-4048-2-ND	Low Power Quad Volt. Comparator	14-TSSOP		375.00/2,500	
LM346N	497-2980-5-ND	Programmable Quad Bipolar Op Amp	16-Dip	1.86	1.55	1.31
LM348DT	497-4049-1-ND	Four UA741 Quad Bipolar Op Amp	14-SOIC	.90	.72	.54
LM348DT	497-4049-2-ND	Four UA741 Quad Bipolar Op Amp	14-SOIC		712.50/2,500	
LM348N	497-2981-5-ND	Four UA741 Quad Bipolar Op Amp	14-Dip	1.08	.87	.65
LM350K	497-2982-5-ND	3-Terminal 3A Adj. Voltage Regulator	TO-3	6.56	5.99	4.74
LM358ADT	497-1590-1-ND	Low Power Dual Op Amp	8-SOIC	.46	.38	.29
LM358ADT	497-1590-2-ND	Low Power Dual Op Amp	8-SOIC		357.50/2,500	
LM358AN	497-2983-5-ND	Low Power Dual Op Amp	8-Dip	.86	.69	.52
LM358DT	497-1591-1-ND	Low Power Dual Op Amp	8-SOIC	.49	.38	.23
LM358DT	497-1591-2-ND	Low Power Dual Op Amp	8-SOIC		320.00/2,500	
LM358N	497-1592-5-ND	Low Power Dual Op Amp	8-Dip	.55	.43	.26
LM393ADT	497-4267-1-ND	Low Power Dual Voltage Comparator	8-SOIC	.90	.72	.54
LM393ADT	497-4267-2-ND	Low Power Dual Voltage Comparator	8-SOIC		712.50/2,500	
LM393DT	497-1593-1-ND	Low Power Dual Voltage Comparator	8-SOIC	.49	.38	.23
LM393DT	497-1593-2-ND	Low Power Dual Voltage Comparator	8-SOIC		320.00/2,500	
LM393N	497-1594-5-ND	Low Power Dual Voltage Comparator	8-Dip	.55	.43	.26
LM723CD	497-1595-5-ND	High Precision Voltage Regulator	14-SOIC	.86	.69	.52
LM723CD013TR	497-1595-1-ND	High Precision Voltage Regulator	14-SOIC	.90	.72	.54
LM723CD013TR	497-1595-2-ND	High Precision Voltage Regulator	14-SOIC		712.50/2,500	
LM723CN	497-1596-5-ND	High Precision Voltage Regulator	14-Dip	.72	.58	.44
LM723N	497-4268-5-ND	High Precision Voltage Regulator	8-Dip	.99	.80	.60
LM833DT	497-1597-1-ND	Low Noise Dual Op Amp	8-SOIC	.94	.82	.63
LM833DT	497-1597-2-ND	Low Noise Dual Op Amp	8-SOIC		832.50/2,500	
LM833N	497-1598-5-ND	Low Noise Dual Op Amp	8-Dip	1.08	.87	.65
LM2901DT	497-1555-1-ND	Low Power Quad Voltage Comparator	14-SOIC	.55	.43	.31
LM2901DT	497-1555-2-ND	Low Power Quad Voltage Comparator	14-SOIC		362.50/2,500	
LM2901N	497-1556-5-ND	Low Power Quad Voltage Comparator	14-Dip	.55	.43	.26
LM2902DT	497-1557-1-ND	Low Power Quad Op Amp	14-SOIC	.55	.43	.31
LM2902DT	497-1557-2-ND	Low Power Quad Op Amp	14-SOIC		362.50/2,500	
LM2902N	497-1558-5-ND	Low Power Quad Op Amp	14-Dip	.55	.43	.26
LM2902PT	497-4045-1-ND	Low Power Quad Op Amp	14-TSSOP	.60	.48	.36
LM2902PT	497-4045-2-ND	Low Power Quad Op Amp	14-TSSOP		450.00/2,500	
LM2903DT	497-1559-1-ND	Low Power Dual Voltage Comparator	8-SOIC	.55	.43	.31
LM2903DT	497-1559-2-ND	Low Power Dual Voltage Comparator	8-SOIC		362.50/2,500	
LM2903HDT	497-4260-1-ND	Low Power Dual Voltage Comparator	8-SOIC	1.13	.98	.75
LM2903HDT	497-4260-2-ND	Low Power Dual Voltage Comparator	8-SOIC		997.50/2,500	
LM2903N	497-1560-5-ND	Low Power Dual Voltage Comparator	8-Dip	.55	.43	.26
LM2904DT	497-1561-1-ND	Low Power Dual Op Amp	8-SOIC	.55	.43	.31
LM2904DT	497-1561-2-ND	Low Power Dual Op Amp	8-SOIC		362.50/2,500	
LM2904N	497-1562-5-ND	Low Power Dual Op Amp	8-Dip	.55	.43	.26
LM2904PT	497-4046-1-ND	Low Power Dual Op Amp	8-TSSOP	.43	.34	.26
LM2904PT	497-4046-2-ND	Low Power Dual Op Amp	8-TSSOP		580.00/4,000	
LM2904WHDT	497-4261-1-ND	Low Power Dual Op Amp	8-SOIC	1.35	1.10	.90
LM2904WHDT	497-4261-2-ND	Low Power Dual Op Amp	8-SOIC		1197.50/2,500	
LMV321LIT	497-4941-1-ND	LP In/Out R/R Op Amp	SOT-23-5	.94	.82	.63
LMV321LIT	497-4941-2-ND	LP In/Out R/R Op Amp	SOT-23-5		999.00/3,000	
LMV321RILT	497-4942-1-ND	LP In/Out R/R Op Amp	SOT-23-5	.94	.82	.63
LMV321RILT	497-4942-2-ND	LP In/Out R/R Op Amp	SOT-23-5		999.00/3,000	
LMV324IDT	497-4943-1-ND	LP Quad In/Out R/R Op Amp	14-SOIC	.94	.82	.63
LMV324IDT	497-4943-2-ND	LP Quad In/Out R/R Op Amp	14-SOIC		832.50/2,500	
LMV324IPT	497-4944-1-ND	LP Quad In/Out R/R Op Amp	14-TSSOP	1.01	.88	.68
LMV324IPT	497-4944-2-ND	LP Quad In/Out R/R Op Amp	14-TSSOP		897.50/2,500	
LMV358IDT	497-4945-1-ND	LP Quad In/Out R/R Op Amp	8-SOIC	.98	.85	.65
LMV358IPT	497-4945-2-ND	LP Quad In/Out R/R Op Amp	8-SOIC		865.00/2,500	
LMV358IPT	497-4946-1-ND	LP Quad In/Out R/R Op Amp	8-TSSOP	.98	.85	.65
LMV358IPT	497-4946-2-ND	LP Quad In/Out R/R Op Amp	8-TSSOP		1384.00/4,000	
LNBH21PD-TR	497-4270-1-ND	LNB Supply/Control IC	20-Power SOIC	4.32	3.76	2.80
LNBH21PD-TR	497-4270-2-ND	LNB Supply/Control IC	20-Power SOIC		1344.00/600	
LNBH221PD-TR	497-4271-1-ND	Dual LNB Supply/Control IC	36-Power SOIC	5.81	5.06	3.77
LNBH221PD-TR	497-4271-2-ND	Dual LNB Supply/Control IC	36-Power SOIC		1806.00/600	
LNBP21D-TR	497-4272-1-ND	LNBP Supply/Control IC	20-SOIC	3.92	3.41	2.54
LNBP21D2-TR	497-4272-2-ND	LNBP Supply/Control IC	20-SOIC		1929.00/1,000	
LNBP21PD-TR	497-4273-1-ND	LNBP Supply/Control IC	20-Power SOIC	4.19	3.65	2.72
LNBP21PD-TR	497-4273-2-ND	LNBP Supply/Control IC	20-Power SOIC		1302.00/600	
MC1458DT	497-1948-1-ND	High Performance Dual Op Amp	8-SOIC	.70	.56	.42
MC1458DT	497-1948-2-ND	High Performance Dual Op Amp	8-SOIC		525.00/2,500	
MC1458IN	497-1949-5-ND	High Performance Dual Op Amp	8-Dip	.72	.58	.44
MC1489D1013TR	497-1950-1-ND	RS-232C Quad Line Driver	14-SOIC	.70	.56	.42
MC1488D1013TR	497-1950-2-ND	RS-232C Quad Line Driver	14-SOIC		525.00/2,500	
MC1489D1013TR	497-1951-1-ND	Quad Line Receiver	14-SOIC	.70	.56	.42
MC1489D1013TR	497-1951-2-ND	Quad Line Receiver	14-SOIC		525.00/2,500	
MC3303DT	497-4050-1-ND	Low Power Quad Bipolar Op Amp	14-SOIC	1.01	.89	.68
MC3303DT	497-4050-2-ND	Low Power Quad Bipolar Op Amp	14-SOIC		897.50/2,500	
MC3403D	497-1959-5-ND	Low Power Quad Bipolar Op Amp	14-SOIC	.98	.85	.65
MC3403DT	497-1959-1-ND	Low Power Quad Bipolar Op Amp	14-SOIC	.86	.69	.52
MC3403DT	497-1959-2-ND	Low Power Quad Bipolar Op Amp	14-SOIC		577.50/2,500	
MC4558CDT	497-4051-1-ND	Wide Bandwidth Dual Bipolar Op Amp	8-SOIC	.60	.48	.36
MC4558CDT	497-4051-2-ND	Wide Bandwidth Dual Bipolar Op Amp	8-SOIC		450.00/2,500	
MC4558CN	497-1960-5-ND	Wide Bandwidth Dual Bipolar Op Amp	8-Dip	.65	.52	.39
MC4558IDT	497-1961-1-ND	Wide Bandwidth Dual Bipolar Op Amp	8-SOIC	.99	.80	.60
MC4558IDT	497-1961-2-ND	Wide Bandwidth Dual Bipolar Op Amp	8-SOIC		785.00/2,500	
MC33078DT	497-1952-1-ND	Low Noise Dual Op Amp	8-SOIC	.99	.80	.60
MC33078DT	497-1952-2-ND	Low Noise Dual Op Amp	8-SOIC		785.00/2,500	
MC33078N	497-1953-5-ND	Low Noise Dual Op Amp	8-Dip	1.04	.93	.58
MC33079DT	497-1954-1-ND	Low Noise Quad Op Amp	14-SOIC	1.01	.88	.68
MC33079DT	497-1954-2-ND	Low Noise Quad Op Amp	14-SOIC		897.50/2,500	
MC33079N	497-1955-5-ND	Low Noise Quad Op Amp	14-Dip	1.24	1.08	.83
MC33171D	497-1956-5-ND	Low Power Single Bipolar Op Amp	8-SOIC	1.09	.95	.73
MC33171DT	497-1956-1-ND	Low Power Single Bipolar Op Amp	8-SOIC	1.09	.95	.73
MC33171DT	497-1956-2-ND	Low Power Single Bipolar Op Amp	8-SOIC		965.00/2,500	
MC33172DT	497-1957-1-ND	Low Power Dual Bipolar Op Amp	8-SOIC	.98	.85	.65
MC33172DT	497-1957-2-ND	Low Power Dual Bipolar Op Amp	8-SOIC		865.00/2,500	
MC33174DT	497-1958-1-ND	Low Power Quad Bipolar Op Amp	14-SOIC	.98	.85	.65
MC33174DT	497-1958-2-ND	Low Power Quad Bipolar Op Amp	14-SOIC		865.00/2,500	
MC34063ACD	497-2989-5-ND	DC/DC Converter Control Circuit	8-SOIC	1.43	1.24	.95
MC34063ECN	497-4280-5-ND	DC/DC Converter Control Circuit	8-Dip	.77	.62	.46
NE555D	497-1962-5-ND	General Purpose Single Bipolar Timer	8-SOIC	.51	.39	.28
NE555DT	497-1962-1-ND	General Purpose Single Bipolar Timer	8-SOIC	.49	.38	.23
NE555DT	497-1962-2-ND	General Purpose Single Bipolar Timer	8-SOIC		320.00/2,500	
NE555N	497-1963-5-ND	General Purpose Single Bipolar Timer	8-Dip	.55	.43	.26
NE556DT	497-1964-1-ND	General Purpose Dual Bipolar Timer	14-SOIC	.55	.44	.33
NE556DT	497-1964-2-ND	General Purpose Dual Bipolar Timer	14-SOIC		412.50/2,500	
NE556N	497-1965-5-ND	General Purpose Dual Bipolar Timer	14-Dip	.55	.44	.33

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
OP07CN	497-2991-5-ND	Bipolar Op Amp	8-Dip	1.43	1.24	.95
PBL3717A	497-1966-5-ND	Stepper Motor Driver	16-Dip	2.40	2.00	1.68
SA555DT	497-2035-1-ND	General Purpose Single Bipolar Timer	8-SOIC	.86	.69	.52
SA555DT	497-2035-2-ND	General Purpose Single Bipolar Timer	8-SOIC		677.50/2,500	
SA555N	497-2036-5-ND	General Purpose Single Bipolar Timer	8-Dip	.77	.62	.46
SA556DT	497-2037-1-ND	General Purpose Dual Bipolar Timer	14-SOIC	.86	.69	.52
SA556DT	497-2037-2-ND	General Purpose Dual Bipolar Timer	14-SOIC		677.50/2,500	
SERC818	497-3662-ND	Sercos Interface Controller	100-POFP	32.38	27.75	24.61
SERC816/TR	497-3374-ND	Sercos Interface Controller	100-POFP	32.38	27.75	24.61
SG2525AN	497-2038-5-ND	Regulator Pulse Width Modulator	16-Dip	1.77	1.48	1.24
SG2525AP013TR	497-2039-1-ND	Regulator Pulse Width Modulator	16-SOIC	1.77	1.48	1.24
SG2525AP013TR	497-2039-2-ND	Regulator Pulse Width Modulator	16-SOIC		1917.50/2,500	
SG3524N	497-2992-5-ND	Regulator Pulse Width Modulator	16-Dip	1.77	1.48	1.24
SG3524P013TR	497-2040-1-ND	Regulator Pulse Width Modulator	16-SOIC	1.58	1.37	1.05
SG3524P013TR	497-2040-2-ND	Regulator Pulse Width Modulator	16-SOIC		1397.50/2,500	
SG3525AN	497-2041-5-ND	Regulator Pulse Width Modulator	16-Dip	1.77	1.48	1.24
ST1S03PMR	497-4304-1-ND	1.5A, 1.5MHz Adj., Step-Down Switching Regulator	6-DFN	1.92	1.60	1.35
ST1S03PMR	497-4304-2-ND	1.5A, 1.5MHz Adj., Step-Down Switching Regulator	6-DFN		2496.00/3,000	
ST2L01K5	497-2069-5-ND	Dual Voltage Regulator	SPAK-5	2.31	1.93	1.62
ST2L01K5R	497-2069-1-ND	Dual Voltage Regulator	SPAK-5L	2.31	1.93	1.62
ST2L01K5R	497-2069-2-ND	Dual Voltage Regulator	SPAK-5L		2080.00/2,000	
ST2L05R3300K5	497-3583-1-ND	3.3V/Adj. Dual Voltage Regulator	5-SPAK	1.92	1.60	1.35
ST2L05R3300K5	497-3583-2-ND	3.3V/Adj. Dual Voltage Regulator	5-SPAK		1728.00/2,000	
ST3L01K7R	497-4313-1-ND	2.6V, 3.3V, 8V, Triple Voltage Reg.	7-SPAK	3.24	2.82	2.10
ST3L01K7R	497-4313-2-ND	2.6V, 3.3V, 8V, Triple Voltage Reg.	7-SPAK		3192.00/2,000	
ST4G3234BJR	497-4622-1-ND	4-Bit Dual Supply Bus Buffer Level Translator	Flip Chip	1.31	1.14	.88
ST4G3234BJR	497-4622-2-ND	4-Bit Dual Supply Bus Buffer Level Translator	Flip Chip		1864.00/4,000	
ST4G3235BJR	497-4623-1-ND	4-Bit Dual Supply Bus Buffer Level Translator	Flip Chip	1.31	1.14	.88
ST4G3235BJR	497-4623-2-ND	4-Bit Dual Supply Bus Buffer Level Translator	Flip Chip		1864.00/4,000	
ST5R25MTR	497-4314-1-ND	2.5V, Micropower VFM Step Up DC/DC Converter	SOT-23-5L	1.01	.88	.68
ST5R25MTR	497-4314-2-ND	2.5V, Micropower VFM Step Up DC/DC Converter	SOT-23-5L		1077.00/3,000	
ST26C31BDR	497-2063-1-ND	Tri-State CMOS Quad Diff. Line Driver	16-SOIC	1.08	.87	.65
ST26C31BDR	497-2063-2-ND	Tri-State CMOS Quad Diff. Line Driver	16-SOIC		855.00/2,500	
ST26C31BN	497-2064-5-ND	Tri-State CMOS Quad Diff. Line Driver	16-Dip	1.08	.87	.65
ST26C32BTR	497-2065-1-ND	Tri-St. CMOS Quad Diff. Line Driver/Receiver	16-TSSOP	1.01	.88	.68
ST26C31BTR	497-2065-2-ND	Tri-St. CMOS Quad Diff. Line Driver/Receiver	16-TSSOP		897.50/2,500	
ST26C32ABDR	497-2066-1-ND	Tri-St. CMOS Quad Diff. Line Receiver	16-SOIC	1.08	.87	.65
ST26C32ABDR	497-2066-2-ND	Tri-St. CMOS Quad Diff. Line Receiver	16-SOIC		855.00/2,500	
ST26C32ABN	497-2067-5-ND	Tri-St. CMOS Quad Diff. Line Receiver	16-Dip	1.01	.88	.68
ST26C32ABTR	497-2068-1-ND	Tri-St. CMOS Quad Diff. Line Recvr	16-TSSOP	1.13	.98	.75
ST26C32ABTR	497-2068-2-ND	Tri-St. CMOS Quad Diff. Line Recvr	16-TSSOP		997.50/2,500	
ST75C176BDR	497-2125-1-ND	LP, RS-485/RS-422 Transceiver	8-SOIC	2.84	2.47	1.84
ST75C176BDR	497-2125-2-ND	LP, RS-485/RS-422 Transceiver	8-SOIC		3360.00/2,500	
ST202BDR	497-2048-1-ND	5V, RS-232 Multi-Channel Driver and Receiver	16-SOIC	1.24	1.08	.83
ST202BTR	497-2049-1-ND	5V, RS-232 Multi-Channel Driver and Receiver	16-TSSOP	1.24	1.08	.83
ST202BTR	497-2049-2-ND	5V, RS-232 Multi-Channel Driver and Receiver	16-TSSOP		1097.50/2,500	
ST202EBD	497-2050-5-ND	5V, RS-232 Transceiver	16-SOIC	1.95	1.63	1.37
ST202EBN	497-2051-5-ND	5V, RS-232 Transceiver	16-Dip	1.61	1.40	1.08
ST202ECD	497-3727-5-ND	5V, RS-232 Transceiver	16-SOIC	1.95	1.63	1.37
ST202ECDR	497-3727-1-ND	5V, RS-232 Transceiver	16-SOIC	1.73	1.50	1.15
ST202ECDR	497-3727-2-ND	5V, RS-232 Transceiver	16-SOIC		1530.00/2,500	
ST202ECN	497-3909-5-ND	5V, RS-232 Transceiver	16-Dip	1.95	1.63	1.37
ST202ECWR	497-2052-1-ND	5V, RS-232 Transceiver	16-SOIC	1.61	1.40	1.08
ST202ECWR	497-2052-2-ND	5V, RS-232 Transceiver	16-SOIC		624.00/1,000	
ST232ABDR	497-2054-1-ND	5V, RS-232 Driver/Receiver	16-SOIC	1.35	1.17	.90
ST232ABDR	497-2054-2-ND	5V, RS-232 Driver/Receiver	16-SOIC		1197.50/2,500	
ST232ABN	497-2055-5-ND	5V, RS-232 Driver/Receiver	16-Dip	1.39	1.21	.93
ST232ABWR	497-2056-1-ND	5V, RS-232 Driver/Receiver	16-WSOIC	1.35	1.17	.90
ST232ABWR	497-2056-2-ND	5V, RS-232 Driver/Receiver	16-WSOIC		522.00/1,000	
ST232ACD	497-3728-5-ND	5V, RS-232 Driver/Receiver	16-SOIC	1.76	1.53	1.17
ST232ACDR	497-3728-1-ND	5V, RS-232 Driver/Receiver	16-SOIC	1.73	1.50	1.15
ST232ACDR	497-3728-2-ND	5V, RS-232 Driver/Receiver	16-SOIC		1530.00/2,500	
ST232ACN	497-3011-5-ND	5V, RS-232 Driver/Receiver	16-Dip	1.76	1.53	1.17
ST232ACW	497-3012-5-ND	5V, RS-232 Driver/Receiver	16-SOIC	1.65	1.38	1.16
ST232BD	497-3013-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC	1.95	1.63	1.37
ST232BN	497-3014-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-Dip	1.95	1.63	1.37
ST232BTR	497-2057-1-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-TSSOP	1.46	1.27	.98
ST232BTR	497-2057-2-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-TSSOP		1297.50/2,500	
ST232BW	497-3729-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC	2.10	1.75	1.47
ST232BWR	497-3729-1-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC	2.10	1.75	1.47
ST232BWR	497-3729-2-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC		945.00/1,000	
ST232CD	497-3016-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC	1.95	1.63	1.37
ST232CN	497-3017-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-Dip	1.95	1.63	1.37
ST232CW	497-3018-5-ND	5V, RS-232 Multi-Channel Driver/Receiver	16-SOIC	1.95	1.63	1.37
ST232EBDR	497-2058-1-ND	5V, RS-232 Transceiver	16-SOIC	1.59	1.33	1.12
ST232EBDR	497-2058-2-ND	5V, RS-232 Transceiver	16-SOIC		1722.50/2,500	
ST232EBN	497-2059-5-ND	5V, RS-232 Transceiver	16-Dip	1.99	1.73	1.33
ST232EBTR	497-2060-1-ND	5V, RS-232 Transceiver	16-TSSOP	1.59	1.33	1.12
ST232EBTR	497-2060-2-ND	5V, RS-232 Transceiver	16-TSSOP		1722.50/2,500	
ST232EBWR	497-2061-1-ND	5V, RS-232 Transceiver	16-SOIC	1.59	1.33	1.12

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STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
D1085DT18R	497-3430-1-ND	1.8V, 3A LDO Positive Voltage Reg.	D-PAK	1.77	1.48	1.24
D1085DT18R	497-3430-2-ND	1.8V, 3A LDO Positive Voltage Reg.	D-PAK		1917.50/2,500	
D1085DT25R	497-3431-1-ND	2.5V, 3A LDO Positive Voltage Reg.	D-PAK	1.77	1.48	1.24
D1085DT25R	497-3431-2-ND	2.5V, 3A LDO Positive Voltage Reg.	D-PAK		1917.50/2,500	
D1085V	497-1482-5-ND	Adj., 3A LDO Positive Voltage Reg.	TO-220	1.50	1.25	1.05
D1085V12	497-3432-5-ND	12V, 3A LDO Positive Voltage Reg.	TO-220	1.95	1.63	1.37
D1085V18	497-3433-5-ND	1.8V, 3A LDO Positive Voltage Reg.	TO-220	1.95	1.63	1.37
D1085V25	497-3434-5-ND	2.5V, 3A LDO Positive Voltage Reg.	TO-220	1.95	1.63	1.37
D1085V33	497-3435-5-ND	3.3V, 3A LDO Positive Voltage Reg.	TO-220	1.95	1.63	1.37
D1085V50	497-3436-5-ND	5V, 3A LDO Positive Voltage Reg.	TO-220	1.95	1.63	1.37
D1086D2MTR	497-3439-1-ND	Adj., 1.5A LDO Positive Volt. Reg.	D2-PAK/A	1.80	1.56	1.20
D1086D2MTR	497-3439-2-ND	Adj., 1.5A LDO Positive Volt. Reg.	D2-PAK/A		696.00/1,000	
D1086D2M18TR	497-3437-1-ND	1.8V, 1.5A LDO Positive Volt. Reg.	D2-PAK/A	1.80	1.56	1.20
D1086D2M18TR	497-3437-2-ND	1.8V, 1.5A LDO Positive Volt. Reg.	D2-PAK/A		696.00/1,000	
D1086D2M33TR	497-1223-1-ND	3.3V, 1.5A LDO Positive Volt. Reg.	D2-PAK/A	1.80	1.56	1.20
D1086D2M33TR	497-1223-2-ND	3.3V, 1.5A LDO Positive Volt. Reg.	D2-PAK/A		696.00/1,000	
D1086D2T12TR	497-3440-1-ND	12V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.95	1.63	1.37
D1086D2T12TR	497-3440-2-ND	12V, 1.5A LDO Positive Voltage Reg.	D2-PAK		876.00/1,000	
D1086D2T15R	497-3441-1-ND	1.5V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.80	1.56	1.20
D1086D2T15R	497-3441-2-ND	1.5V, 1.5A LDO Positive Voltage Reg.	D2-PAK		696.00/1,000	
D1086D2T18TR	497-3442-1-ND	1.8V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.80	1.56	1.20
D1086D2T18TR	497-3442-2-ND	1.8V, 1.5A LDO Positive Voltage Reg.	D2-PAK		696.00/1,000	
D1086D2T25TR	497-3443-1-ND	2.5V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.80	1.56	1.20
D1086D2T25TR	497-3443-2-ND	2.5V, 1.5A LDO Positive Voltage Reg.	D2-PAK		696.00/1,000	
D1086D2T33TR	497-1224-1-ND	3.3V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.80	1.56	1.20
D1086D2T33TR	497-1224-2-ND	3.3V, 1.5A LDO Positive Voltage Reg.	D2-PAK		696.00/1,000	
D1086D2TTR	497-3566-1-ND	Adj., 1.5A LDO Positive Voltage Reg.	D2-PAK	1.80	1.56	1.20
D1086D2TTR	497-3566-2-ND	Adj., 1.5A LDO Positive Voltage Reg.	D2-PAK		696.00/1,000	
D1086D2T50TR	497-1225-1-ND	5V, 1.5A LDO Positive Voltage Reg.	D2-PAK	1.47	1.28	.98
D1086D2T50TR	497-1225-2-ND	5V, 1.5A LDO Positive Voltage Reg.	D2-PAK		567.00/1,000	
D1086DT18TR	497-3444-1-ND	1.8V, 1.5A LDO Positive Voltage Reg.	D-PAK	1.80	1.56	1.20
D1086DT18TR	497-3444-2-ND	1.8V, 1.5A LDO Positive Voltage Reg.	D-PAK		1595.00/2,500	
D1086DT25TR	497-3445-1-ND	2.5V, 1.5A LDO Positive Voltage Reg.	D-PAK	1.58	1.37	1.05
D1086DT25TR	497-3445-2-ND	2.5V, 1.5A LDO Positive Voltage Reg.	D-PAK		1397.50/2,500	
D1086DT33TR	497-3446-1-ND	3.3V, 1.5A LDO Positive Voltage Reg.	D-PAK	1.80	1.56	1.20
D1086DT33TR	497-3446-2-ND	3.3V, 1.5A LDO Positive Voltage Reg.	D-PAK		1595.00/2,500	
D1086DT50TR	497-4239-1-ND	5V, 1.5A LDO Positive Voltage Reg.	D-PAK	1.80	1.56	1.20
D1086DT50TR	497-4239-2-ND	5V, 1.5A LDO Positive Voltage Reg.	D-PAK		1595.00/2,500	
D1086V	497-3447-5-ND	Adj., 1.5A LDO Positive Voltage Reg.	TO-220	1.80	1.56	1.20
D1086V12	497-3448-5-ND	12V, 1.5A LDO Positive Voltage Reg.	TO-220	1.80	1.56	1.20
D1086V18	497-3449-5-ND	1.8V, 1.5A LDO Positive Voltage Reg.	TO-220	1.80	1.56	1.20
D1086V33	497-3450-5-ND	3.3V, 1.5A LDO Positive Voltage Reg.	TO-220	1.80	1.56	1.20
D1086V50	497-3451-5-ND	5V, 1.5A LDO Positive Voltage Reg.	TO-220	1.80	1.56	1.20
D1117ADT-TR	497-3452-1-ND	Adj., 1A LDO Positive Voltage Reg.	D-PAK	1.95	1.69	1.30
D1117ADT-TR	497-3452-2-ND	Adj., 1A LDO Positive Voltage Reg.	D-PAK		1730.00/2,500	
D1117ADT18TR	497-3453-1-ND	1.8V, 1A LDO Positive Voltage Reg.	D-PAK	1.56	1.30	1.10
D1117ADT18TR	497-3453-2-ND	1.8V, 1A LDO Positive Voltage Reg.	D-PAK		1690.00/2,500	
D1117ADT25TR	497-3454-1-ND	2.5V, 1A LDO Positive Voltage Reg.	D-PAK	1.56	1.30	1.10
D1117ADT25TR	497-3454-2-ND	2.5V, 1A LDO Positive Voltage Reg.	D-PAK		1690.00/2,500	
D1117ADT33TR	497-3455-1-ND	3.3V, 1A LDO Positive Voltage Reg.	D-PAK	1.56	1.30	1.10
D1117ADT33TR	497-3455-2-ND	3.3V, 1A LDO Positive Voltage Reg.	D-PAK		1690.00/2,500	
D1117AS18TR	497-1226-1-ND	1.8V, LDO Positive Voltage Reg.	SOT-223	1.65	1.38	1.16
D1117AS18TR	497-1226-2-ND	1.8V, LDO Positive Voltage Reg.	SOT-223		1787.50/2,500	
D1117AS25TR	497-1227-1-ND	2.5V, LDO Positive Voltage Reg.	SOT-223	1.65	1.38	1.16
D1117AS25TR	497-1227-2-ND	2.5V, LDO Positive Voltage Reg.	SOT-223		1787.50/2,500	
D1117AS33TR	497-1228-1-ND	3.3V, LDO Positive Voltage Reg.	SOT-223	1.65	1.38	1.16
D1117AS33TR	497-1228-2-ND	3.3V, LDO Positive Voltage Reg.	SOT-223		1787.50/2,500	
D1117ASTR	497-1229-1-ND	1.25V to 15V LDO Positive Volt. Reg.	SOT-223	1.65	1.38	1.16
D1117ASTR	497-1229-2-ND	1.25V to 15V LDO Positive Voltage Regulator	SOT-223		1787.50/2,500	
D1117AV	497-3456-5-ND	Adj., 1A LDO Positive Voltage Reg.	TO-220	1.05	.91	.70
D1117AV18	497-1483-5-ND	1.8V, LDO Positive Voltage Reg.	TO-220	1.65	1.38	1.16
D1117AV25	497-1484-5-ND	2.5V, LDO Positive Voltage Reg.	TO-220	1.65	1.38	1.16
D1117AV33	497-1485-5-ND	3.3V, LDO Positive Voltage Reg.	TO-220	1.65	1.38	1.16
D1117D33	497-1488-5-ND	3.3V, LDO Positive Voltage Reg.	8-SOIC	.77	.56	.43
D1117D33CTR	497-1230-1-ND	3.3V, LDO Positive Voltage Reg.	8-SOIC	.77	.56	.43
D1117D33CTR	497-1230-2-ND	3.3V, LDO Positive Voltage Reg.	8-SOIC		605.00/2,500	
D1117D50	497-1489-5-ND	5V, LDO Positive Voltage Reg.	8-SOIC	.77	.56	.43
D1117DT12TR	497-1231-1-ND	1.2V, LDO Positive Voltage Reg.	D-PAK	1.16	1.01	.78
D1117DT12TR	497-1231-2-ND	1.2V, LDO Positive Voltage Reg.	D-PAK		1030.00/2,500	
D1117DT18TR	497-1232-1-ND	1.8V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT18TR	497-1232-2-ND	1.8V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT25CTR	497-1233-1-ND	2.5V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT25CTR	497-1233-2-ND	2.5V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT28TR	497-1234-1-ND	2.85V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT28TR	497-1234-2-ND	2.85V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT30	497-1490-5-ND	3V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT33	497-2961-5-ND	3.3V, LDO Positive Voltage Reg.	D-PAK	1.56	1.30	1.10
D1117DT33CTR	497-1235-1-ND	3.3V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT33CTR	497-1235-2-ND	3.3V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT33TR	497-1236-1-ND	3.3V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT33TR	497-1236-2-ND	3.3V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT50CTR	497-1237-1-ND	5V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT50CTR	497-1237-2-ND	5V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DT50TR	497-1238-1-ND	5V, LDO Positive Voltage Reg.	D-PAK	.77	.56	.43
D1117DT50TR	497-1238-2-ND	5V, LDO Positive Voltage Reg.	D-PAK		605.00/2,500	
D1117DTTR	497-1239-1-ND	1.25V to 15V, LDO Positive Volt. Reg.	D-PAK	.77	.56	.43
D1117DTTR	497-1239-2-ND	1.25V to 15V, LDO Positive Volt. Reg.	D-PAK		605.00/2,500	
D1117S12TR	497-4240-1-ND	1.2V, LDO Positive Voltage Reg.	SOT-223	1.24	1.08	.83
D1117S12TR	497-4240-2-ND	1.2V, LDO Positive Voltage Reg.	SOT-223		1097.50/2,500	
D1117S25CTR	497-1240-1-ND	2.5V, LDO Positive Voltage Reg.	SOT-223	.77	.56	.43
D1117S25CTR	497-1240-2-ND	2.5V, LDO Positive Voltage Reg.	SOT-223		605.00/2,500	
D1117S33CTR	497-1241-1-ND	3.3V, LDO Positive Voltage Reg.	SOT-223	.77	.56	.43
D1117S33CTR	497-1241-2-ND	3.3V, LDO Positive Voltage Reg.	SOT-223		605.00/2,500	
D1117S33TR	497-1242-1-ND	3.3V, LDO Positive Voltage Reg.	SOT-223	.77	.56	.43
D1117S33TR	497-1242-2-ND	3.3V, LDO Positive Voltage Reg.	SOT-223		605.00/2,500	
D1117S50CTR	497-1243-1-ND	5V, LDO Positive Voltage Reg.	SOT-223	.77	.56	.43
D1117S50CTR	497-1243-2-ND	5V, LDO Positive Voltage Reg.	SOT-223		605.00/2,500	
D1117SC-R	497-4241-1-ND	Adj., LDO Positive Voltage Reg.	SOT-223	.99	.80	.60
D1117SC-R	497-4241-2-ND	Adj., LDO Positive Voltage Reg.	SOT-223		785.00/2,500	
D1117ST	497-1244-1-ND	1.25V to 15V, LDO Pos. Volt. Reg.	SOT-223	.77	.56	.43
D1117ST	497-1244-2-ND	1.25V to 15V, LDO Pos. Volt. Reg.	SOT-223		605.00/2,500	
D1117V18	497-3457-5-ND	1.8V, LDO Positive Voltage Reg.	TO-220	1.65	1.43	1.10
D1117V25	497-3458-5-ND	2.5V, LDO Positive Voltage Reg.	TO-220	1.65	1.43	1.10
D1117V25C	497-3459-5-ND	2.5V, LDO Positive Voltage Reg.	TO-220	1.50	1.30	1.00

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
LD1117V33	497-1491-5-ND	3.3V, LDO Positive Voltage Reg.	TO-220	.77	.56	.43
LD1117V33C	497-1492-5-ND	3.3V, LDO Positive Voltage Reg.	TO-220	.77	.56	.43
LD1585D2M-R	497-3460-1-ND	Adj., 5A LDO Positive Voltage Reg.	D2-PAK/A	1.95	1.63	1.37
LD1585CD2M18R	497-3462-1-ND	1.8V, 5A LDO Positive Voltage Reg.	D2-PAK/A	1.95	1.63	1.37
LD1585CD2M18R	497-3462-2-ND	1.8V, 5A LDO Positive Voltage Reg.	D2-PAK/A		878.00/1,000	
LD1585CD2M33R	497-3464-1-ND	3.3V, 5A LDO Positive Voltage Reg.	D2-PAK/A	1.95	1.63	1.37
LD1585CD2M33R	497-3464-2-ND	3.3V, 5A LDO Positive Voltage Reg.	D2-PAK/A		878.00/1,000	
LD1585CD2T18R	497-3465-1-ND	1.8V, 5A LDO Positive Voltage Reg.	D2-PAK	1.95	1.63	1.37
LD1585CV	497-3466-5-ND	Adj., 5A LDO Positive Voltage Reg.	TO-220	1.80	1.50	1.26
LD1585CV33	497-3467-5-ND	3.3V, 5A LDO Positive Voltage Reg.	TO-220	1.80	1.50	1.26
LD1585CV50	497-4809-5-ND	5V, 5A LDO Positive Voltage Regulator	TO-220	1.80	1.50	1.26
LD2979M33TR	497-1512-1-ND	3.3V, LDO Voltage Regulator	SOT-23-5L	1.08	.87	.65
LD2979M33TR	497-1512-2-ND	3.3V, LDO Voltage Regulator	SOT-23-5L		1026.00/3,000	
LD2979M50TR	497-1513-1-ND	5V, LDO Voltage Regulator	SOT-23-5L	1.08	.87	.65
LD2979M50TR	497-1513-2-ND	5V, LDO Voltage Regulator	SOT-23-5L		1026.00/3,000	
LD2980ABM25TR	497-1515-1-ND	2.5V, LDO Voltage Regulator	SOT-23-5L	1.50	1.25	1.05
LD2980ABM25TR	497-1515-2-ND	2.5V, LDO Voltage Regulator	SOT-23-5L		1950.00/3,000	
LD2980ABM30TR	497-1518-1-ND	3V, LDO Voltage Regulator	SOT-23-5L	1.43	1.24	.95
LD2980ABM30TR	497-1516-2-ND	3V, LDO Voltage Regulator	SOT-23-5L		1515.00/3,000	
LD2980ABM33TR	497-1517-1-ND	3.3V, LDO Voltage Regulator	SOT-23-5L	1.43	1.24	.95
LD2980ABM33TR	497-1517-2-ND	3.3V, LDO Voltage Regulator	SOT-23-5L		1515.00/3,000	
LD2980ABM50TR	497-1518-1-ND	5V, LDO Voltage Regulator	SOT-23-5L	1.58	1.30	1.10
LD2980ABM50TR	497-1518-2-ND	5V, LDO Voltage Regulator	SOT-23-5L		2026.00/3,000	
LD2981ABM25TR	497-1520-1-ND	2.5V, LDO Voltage Regulator	SOT-23-5L	1.50	1.25	1.05
LD2981ABM25TR	497-1520-2-ND	2.5V, LDO Voltage Regulator	SOT-23-5L		1950.00/3,000	
LD2981ABM33TR	497-1521-1-ND	3.3V, LDO Voltage Regulator	SOT-23-5L	1.58	1.37	1.05
LD2981ABM33TR	497-1521-2-ND	3.3V, LDO Voltage Regulator	SOT-23-5L		1677.00/3,000	
LD2981ABM50TR	497-1522-1-ND	5V, LDO Voltage Regulator	SOT-23-5L	1.68	1.40	1.18
LD2981ABM50TR	497-1522-2-ND	5V, LDO Voltage Regulator	SOT-23-5L		2184.00/3,000	
LD2981ABU33TR	497-1524-1-ND	3.3V, LDO Voltage Regulator	SOT-89	1.50	1.25	1.05
LD2981ABU33TR	497-1524-2-ND	3.3V, LDO Voltage Regulator	SOT-89		1625.00/2,500	
LD2981ABU50TR	497-1525-1-ND	5V, LDO Voltage Regulator	SOT-89	1.50	1.25	1.05
LD2981ABU50TR	497-1525-2-ND	5V, LDO Voltage Regulator	SOT-89		1625.00/2,500	
LD2982AM18R	497-4253-1-ND	1.8V, LDO Voltage Regulator	SOT-23-5L	.98	.85	.65
LD2982AM18R	497-4253-2-ND	1.8V, LDO Voltage Regulator	SOT-23-5L		1038.00/3,000	
LD3985J18R	497-1526-1-ND	1.8V, LDO BiCMOS Voltage Reg.	Flip-Chip	1.46	1.27	.98
LD3985J33R	497-1527-1-ND	3.3V, LDO BiCMOS Voltage Reg.	Flip-Chip	1.46	1.27	.98
LD3985M25R	497-4254-1-ND	2.5V, LDO BiCMOS Voltage Reg.	SOT-23-5L	.95	.76	.57
LD3985M25R	497-4254-2-ND	2.5V, LDO BiCMOS Voltage Reg.	SOT-23-5L		897.00/3,000	
LD29080DT25R	497-4242-1-ND	2.5V, 800mA LDO Regulator	D-PAK	1.43	1.24	.95
LD29080DT25R	497-4242-2-ND	2.5V, 800mA LDO Regulator	D-PAK		1262.50/2,500	
LD29080DT33R	497-4243-1-ND	3.3V, 800mA LDO Regulator	D-PAK	1.43	1.24	.95
LD29080DT33R	497-4243-2-ND	3.3V, 800mA LDO Regulator	D-PAK		1262.50/2,500	
LD29080DT90R	497-4244-1-ND	9V, 800mA LDO Regulator	D-PAK	1.84	1.60	1.23
LD29080DT90R	497-4244-2-ND	9V, 800mA LDO Regulator	D-PAK		1630.00/2,500	
LD29080PT15R	497-4245-1-ND	1.5V, 800mA LDO Regulator	P-PAK	1.84	1.60	1.23
LD29080PT15R	497-4245-2-ND	1.5V, 800mA LDO Regulator	P-PAK		1630.00/2,500	
LD29080PT33R	497-4246-1-ND	3.3V, 800mA LDO Regulator	P-PAK	1.43	1.24	.95
LD29080PT33R	497-4246-2-ND	3.3V, 800mA LDO Regulator	P-PAK		1262.50/2,500	
LD29080PTR	497-4247-1-ND	Adj., 800mA LDO Regulator	P-PAK	1.69	1.47	1.13
LD29080PTR	497-4247-2-ND	Adj., 800mA LDO Regulator	P-PAK		1497.50/2,500	
LD29150DT15R	497-1493-1-ND	1.5V, 1.5A LDO Voltage Regulator	D-PAK	2.10	1.75	1.47
LD29150DT15R	497-1493-2-ND	1.5V, 1.5A LDO Voltage Regulator	D-PAK		2275.00/2,500	
LD29150DT18R	497-1494-1-ND	1.8V, 1.5A LDO Voltage Regulator	D-PAK	2.10	1.75	1.47
LD29150DT18R	497-1494-2-ND	1.8V, 1.5A LDO Voltage Regulator	D-PAK		2275.00/2,500	
LD29150DT25R	497-1495-1-ND	2.5V, 1.5A LDO Voltage Regulator	D-PAK	2.10	1.75	1.47
LD29150DT25R	497-1495-2-ND	2.5V, 1.5A LDO Voltage Regulator	D-PAK		2275.00/2,500	
LD29150DT33R	497-1496-1-ND	3.3V, 1.5A LDO Voltage Regulator	D-PAK	2.10	1.75	1.47
LD29150DT33R	497-1496-2-ND	3.3V, 1.5A LDO Voltage Regulator	D-PAK		2275.00/2,500	
LD29150DT50R	497-3468-1-ND	5V, 1.5A LDO Voltage Regulator	D-PAK	1.65	1.38	1.16
LD29150DT50R	497-3468-2-ND	5V, 1.5A LDO Voltage Regulator	D-PAK		1787.50/2,500	
LD29150PT25R	497-1497-1-ND	2.5V, 1.5A LDO Voltage Regulator	P-PAK	2.31	1.90	1.62
LD29150PT25R	497-1497-2-ND	2.5V, 1.5A LDO Voltage Regulator	P-PAK		2502.50/2,500	
LD29150PT33R	497-3469-1-ND	3.3V, 1.5A LDO Voltage Regulator	P-PAK	1.31	1.14	.88
LD29150PT33R	497-3469-2-ND	3.3V, 1.5A LDO Voltage Regulator	P-PAK		1165.00/2,500	
LD29150PT50R	497-4249-1-ND	5V, 1.5A LDO Voltage Regulator	P-PAK	1.69	1.47	1.13
LD29150PT50R	497-4249-2-ND	5V, 1.5A LDO Voltage Regulator	P-PAK		1497.50/2,500	
LD29150PTR	497-4250-1-ND	Adj., 1.5A LDO Voltage Regulator	P-PAK	1.73	1.50	1.15
LD29150PTR	497-4250-2-ND	Adj., 1.5A LDO Voltage Regulator	P-PAK		1530.00/2,500	
LD29150V25	497-3470-5-ND	2.5V, 1.5A LDO Voltage Regulator	TO-220	1.65	1.38	1.16
LD29300D2M15R	497-1499-1-ND	1.5V, 3A LDO Voltage Regulator	D2-PAK/A	2.79	2.33	1.96
LD29300D2M18R	497-1500-1-ND	1.8V, 3A LDO Voltage Regulator	D2-PAK/A	2.79	2.33	1.96
LD29300D2M18R	497-1500-2-ND	1.8V, 3A LDO Voltage Regulator	D2-PAK/A		1256.00/1,000	
LD29300D2M25R	497-1501-1-ND	2.5V, 3A LDO Voltage Regulator	D2-PAK/A	2.55	2.13	1.79
LD29300D2M25R	497-1501-2-ND	2.5V, 3A LDO Voltage Regulator	D2-PAK/A		1148.00/1,000	
LD29300D2M33R	497-1502-1-ND	3.3V, 3A LDO Voltage Regulator	D2-PAK/A	2.79	2.33	1.96
LD29300D2M50R	497-3471-1-ND	5V, 3A LDO Voltage Regulator	D2-PAK/A	2.79	2.33	1.96
LD29300D2M50R	497-3471-2-ND	5V, 3A LDO Voltage Regulator	D2-PAK/A		1256.00/1,000	
LD29300D2T15R	497-1503-1-ND	1.5V, 3A LDO Voltage Regulator	D2-PAK	2.79	2.33	1.96
LD29300D2T18R	497-1504-1-ND	1.8V, 3A LDO Voltage Regulator	D2-PAK	2.79	2.33	1.96
LD29300D2T18R	497-1504-2-ND	1.8V, 3A LDO Voltage Regulator	D2-PAK		1256.00/1,000	
LD29300D2T25R	497-1505-1-ND	2.5V, 3A LDO Voltage Regulator	D2-PAK	2.55	2.13	1.79
LD29300D2T25R	497-1505-2-ND	2.5V, 3A LDO Voltage Regulator	D2-PAK		1148.00/1,000	
LD29300D2T33R	497-1506-1-ND	3.3V, 3A LDO Voltage Regulator	D2-PAK	2.79	2.33	1.96
LD29300D2T80	497-4251-1-ND	8V, 3A LDO Voltage Regulator	D2-PAK	2.28	1.90	1.60
LD29300P2M50R	497-3476-1-ND	5V, 3A LDO Voltage Regulator	P2-PAK/A	2.28	1.90	1.60
LD29300P2M50R	497-3476-2-ND	5V, 3A LDO Voltage Regulator	P2-PAK/A		1026.00/1,000	
LD29300V15	497-1507-5-ND	1.5V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD29300V18	497-1508-5-ND	1.8V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD29300V25	497-1509-5-ND	2.5V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD29300V33	497-1510-5-ND	3.3V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD29300V50	497-4252-5-ND	5V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD29300V80	497-1511-5-ND	8V, 3A LDO Voltage Regulator	TO-220	2.55	2.13	1.79
LD2980CM18TR	497-3477-1-ND	1.8V, 50mA LDO Volt. Regulator	SOT-23-5L	1.46	1.27	.98
LD2980CM18TR	497-3477-2-ND	1.8V, 50mA LDO Volt. Regulator	SOT-23-5L		1557.00/3,000	
LD2980CM25TR	497-3478-1-ND	2.5V, 50mA LDO Voltage Regulator	SOT-23-5L	1.31	1.14	.88
LD2980CM25TR	497-3478-2-ND	2.5V, 50mA LDO Voltage Regulator	SOT-23-5L		1398.00/3,000	
LD2980CM33TR	497-3479-1-ND	3.3V, 50mA LDO Volt. Regulator	SOT-23-5L	1.28	1.11	.85
LD2980CM33TR	497-3479-2-ND	3.3V, 50mA LDO Volt. Regulator	SOT-23-5L		1356.00/3,000	
LD2980CU18TR	497-3480-1-ND	1.8V, 50mA LDO Voltage Regulator	SOT-89	1.73	1.50	1.15

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STMicroelectronics — VOLTAGE RESET

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
STM6824RWY6F	497-4784-2-ND	2.63V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5		2340.00/3,000	
STM6824TWY6F	497-4787-1-ND	3.08V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5	1.80	1.50	1.26
STM6824TWY6F	497-4787-2-ND	3.08V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5		2340.00/3,000	
STM6825MWY6F	497-4786-1-ND	4.39V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5	1.80	1.50	1.26
STM6825MWY6F	497-4786-2-ND	4.39V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5		2340.00/3,000	
STM6825TWY6F	497-4785-1-ND	3.08V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5	1.80	1.50	1.26
STM6825TWY6F	497-4785-2-ND	3.08V Supervisor with Watchdog Timer and Push-Button Reset	SOT-23-5		2340.00/3,000	

STMicroelectronics — MEMORY

RoHS Compliant Parts Available

STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
EPROM						
M27C64A-10F1	497-1684-5-ND	64K-Bit (8Kb x 8), 100nS, UV EPROM	28-FDip	5.00	4.35	3.24
M27C64A-15F1	497-1685-5-ND	64K-Bit (8Kb x 8), 150nS, UV EPROM	28-FDip	5.00	4.35	3.24
M27C64A-20F1	497-1686-5-ND	64K-Bit (8Kb x 8), 200nS, UV EPROM	28-FDip	5.00	4.35	3.24
M27C256B-10F1	497-1642-5-ND	256K-Bit (32Kb x 8), 100nS, UV EPROM	28-FDip	3.11	2.71	2.02
M27C256B-12C6	497-1645-5-ND	256K-Bit (32Kb x 8), 120nS, OTP EPROM	32-PLCC	1.53	1.28	1.08
M27C256B-12F1	497-1646-5-ND	256K-Bit (32Kb x 8), 120nS, UV EPROM	28-FDip	3.11	2.71	2.02
M27C256B-12F6	497-1647-5-ND	256K-Bit (32Kb x 8), 120nS, UV EPROM	28-FDip	3.11	2.71	2.02
M27C256B-15F1	497-1650-5-ND	256K-Bit (32Kb x 8), 150nS, UV EPROM	28-FDip	3.11	2.71	2.02
M27C256B-70C1	497-1652-5-ND	256K-Bit (32Kb x 8), 70nS, OTP EPROM	32-PLCC	1.53	1.28	1.08
M27C256B-90B1	497-1653-5-ND	256K-Bit (32Kb x 8), 90nS, OTP EPROM	28-PDip	1.53	1.28	1.08
M27C256B-90C1	497-1654-5-ND	256K-Bit (32Kb x 8), 90nS, OTP EPROM	32-PLCC	1.53	1.28	1.08
M27C256B-90C6	497-1655-5-ND	256K-Bit (32Kb x 8), 90nS, OTP EPROM	32-PLCC	1.53	1.28	1.08
M27C256B-90F6	497-1656-5-ND	256K-Bit (32Kb x 8), 90nS, OTP EPROM	28-FDip	3.11	2.71	2.02
M27C512-10F1	497-1667-5-ND	512K-Bit (64Kb x 8), 100nS, UV EPROM	28-FDip	3.24	2.82	2.10
M27C512-12B1	497-1668-5-ND	512K-Bit (64Kb x 8), 120nS, OTP EPROM	28-PDip	1.71	1.43	1.20
M27C512-12F1	497-1671-5-ND	512K-Bit (64Kb x 8), 120nS, UV EPROM	28-FDip	3.24	2.82	2.10
M27C512-15B1	497-1672-5-ND	512K-Bit (64Kb x 8), 150nS, OTP EPROM	28-PDip	1.71	1.43	1.20
M27C512-15C1	497-1674-5-ND	512K-Bit (64Kb x 8), 150nS, OTP EPROM	32-PLCC	1.71	1.43	1.20
M27C512-15F1	497-1675-5-ND	512K-Bit (64Kb x 8), 150nS, UV EPROM	28-FDip	3.24	2.82	2.10
M27C512-15F6	497-1676-5-ND	512K-Bit (64Kb x 8), 150nS, UV EPROM	28-FDip	3.24	2.82	2.10
M27C512-70C6	497-1678-5-ND	512K-Bit (64Kb x 8), 70nS, OTP EPROM	32-PLCC	1.71	1.43	1.20
M27C512-70XF1	497-1679-5-ND	512K-Bit (64Kb x 8), 70nS, UV EPROM	28-FDip	3.24	2.82	2.10
M27C512-90B1	497-1681-5-ND	512K-Bit (64Kb x 8), 90nS, OTP EPROM	28-PDip	1.71	1.43	1.20
M27C512-90B6	497-1682-5-ND	512K-Bit (64Kb x 8), 90nS, OTP EPROM	28-PDip	1.71	1.43	1.20
M27C512-90C6	497-1683-5-ND	512K-Bit (64Kb x 8), 90nS, OTP EPROM	32-PLCC	1.71	1.43	1.20
M27C801-100B1	497-1687-5-ND	8M-Bit (1Mb x 8), 100nS, OTP EPROM	32-PDip	5.75	5.25	4.15
M27C801-100F1	497-1688-5-ND	8M-Bit (1Mb x 8), 100nS, UV EPROM	32-FDip	8.05	7.35	5.81
M27C801-100N1	497-1689-5-ND	8M-Bit (1Mb x 8), 100nS, OTP EPROM	32-TSOP	5.75	5.25	4.15
M27C801-120B1	497-1690-5-ND	8M-Bit (1Mb x 8), 120nS, OTP EPROM	32-PDip	5.75	5.25	4.15
M27C1001-10B1	497-1625-5-ND	1M-Bit (125Kb x 8), 100nS, OTP EPROM	32-PDip	2.55	2.13	1.79
M27C1001-10C1	497-1626-5-ND	1M-Bit (125Kb x 8), 100nS, OTP EPROM	32-PLCC	2.55	2.13	1.79
M27C1001-10F1	497-1627-5-ND	1M-Bit (125Kb x 8), 100nS, UV EPROM	32-FDip	3.83	3.34	2.49
M27C1001-12B1	497-1628-5-ND	1M-Bit (125Kb x 8), 120nS, OTP EPROM	32-PDip	2.55	2.13	1.79
M27C1001-12C6	497-1630-5-ND	1M-Bit (125Kb x 8), 120nS, OTP EPROM	32-PLCC	2.55	2.13	1.79
M27C1001-12F1	497-1631-5-ND	1M-Bit (128Kb x 8), 120nS, UV EPROM	32-FDip	3.83	3.34	2.49
M27C1001-12F6	497-1632-5-ND	1M-Bit (128Kb x 8), 120nS, UV EPROM	32-FDip	3.83	3.34	2.49
M27C1001-15B1	497-1633-5-ND	1M-Bit (128Kb x 8), 150nS, OTP EPROM	32-PDip	2.55	2.13	1.79
M27C1001-15C1	497-1634-5-ND	1M-Bit (128Kb x 8), 150nS, OTP EPROM	32-PLCC	2.55	2.13	1.79
M27C1001-15F1	497-1635-5-ND	1M-Bit (128Kb x 8), 150nS, UV EPROM	32-FDip	3.83	3.34	2.49
M27C1001-70C1	497-1636-5-ND	1M-Bit (128Kb x 8), 70nS, OTP EPROM	32-PLCC	2.55	2.13	1.79
M27C1001-70F1	497-1637-5-ND	1M-Bit (128Kb x 8), 70nS, UV EPROM	32-FDip	3.83	3.34	2.49
M27C2001-10B1	497-1638-5-ND	2M-Bit (256Kb x 8), 100nS, OTP EPROM	32-PDip	2.85	2.38	2.00
M27C2001-10F1	497-1639-5-ND	2M-Bit (256Kb x 8), 100nS, UV EPROM	32-FDip	5.27	4.59	3.42
M27C2001-55C1	497-1640-5-ND	2M-Bit (256Kb x 8), 55nS, OTP EPROM	32-PLCC	2.85	2.38	2.00
M27C4001-10B1	497-1657-5-ND	4M-Bit (512Kb x 8), 100nS, OTP EPROM	32-PDip	4.19	3.65	2.72
M27C4001-10F1	497-1658-5-ND	4M-Bit (512Kb x 8), 100nS, UV EPROM	32-FDip	6.10	5.57	4.40
M27C4001-12C1	497-1660-5-ND	4M-Bit (512Kb x 8), 120nS, OTP EPROM	32-PLCC	4.19	3.65	2.72
M27C4001-12F1	497-1661-5-ND	4M-Bit (512Kb x 8), 120nS, UV EPROM	32-FDip	6.10	5.57	4.40
M27C4001-15C1	497-1662-5-ND	4M-Bit (512Kb x 8), 150nS, OTP EPROM	32-PLCC	4.19	3.65	2.72
M27C4001-15F1	497-1663-5-ND	4M-Bit (512Kb x 8), 150nS, UV EPROM	32-FDip	6.10	5.57	4.40
M27C4001-80XF1	497-1664-5-ND	4M-Bit (512Kb x 8), 80nS, UV EPROM	32-FDip	6.10	5.57	4.40
M27C4002-10B1	497-1665-5-ND	4M-Bit (256Kb x 16), 100nS, OTP EPROM	40-PDip	4.59	4.00	2.98
M27C4002-12C1	497-1666-5-ND	4M-Bit (256Kb x 16), 120nS, OTP EPROM	44-PLCC	4.59	4.00	2.98
M27W101-80K6	497-1691-5-ND	1M-Bit (128Kb x 8), Low Voltage, 80nS, OTP EPROM	32-PLCC	2.55	2.13	1.79
M27W201-80K6	497-1692-5-ND	2M-Bit (256Kb x 8), Low Voltage, 80nS, OTP EPROM	32-PLCC	2.85	2.38	2.00
M27W401-80K6	497-1693-5-ND	4M-Bit (512Kb x 8), Low Voltage, 80nS, OTP EPROM	32-PLCC	4.19	3.65	2.72
EEPROM						
M24128-BWMN6	497-1599-5-ND	5.5V, 128K-Bit Serial EEPROM	8-SOIC	3.38	2.94	2.19
M24256-BWMN6T	497-1601-1-ND	5.5V, 256K-Bit Serial EEPROM	8-SOIC	3.92	3.41	2.54
M24256-BWMN6T	497-1601-2-ND	5.5V, 256K-Bit Serial EEPROM	8-SOIC		4640.00/2,500	
M24C01-WMN6T	497-1602-1-ND	2.5V, 1K-Bit Serial EEPROM	8-SOIC	1.31	1.14	.88
M24C01-WMN6T	497-1602-2-ND	2.5V, 1K-Bit Serial EEPROM	8-SOIC		1165.00/2,500	
M24C02-RDW6T	497-1605-1-ND	5.5V, 2K-Bit Serial EEPROM	8-TSSOP	1.43	1.24	.95
M24C02-RDW6T	497-1605-2-ND	5.5V, 2K-Bit Serial EEPROM	8-TSSOP		2020.00/4,000	
M24C02-WDW6TP	497-4826-1-ND	2.5V, 2K-Bit Serial EEPROM	8-TSSOP	.59	.48	.36
M24C02-WDW6TP	497-4926-2-ND	2.5V, 2K-Bit Serial EEPROM	8-TSSOP		708.00/4,000	
M24C04-BN6	497-1609-5-ND	5.5V, 4K-Bit Serial EEPROM	8-PDip	1.43	1.24	.95
M24C04-MN6T	497-1610-1-ND	5.5V, 4K-Bit Serial EEPROM	8-SOIC	1.50	1.30	1.00
M24C04-MN6T	497-1610-2-ND	5.5V, 4K-Bit Serial EEPROM	8-SOIC		1330.00/2,500	
M24C04-WDW6T	497-1611-1-ND	2.5V, 4K-Bit Serial EEPROM	8-TSSOP	1.69	1.47	1.13
M24C04-WDW6T	497-1611-2-ND	2.5V, 4K-Bit Serial EEPROM	8-TSSOP		2396.00/4,000	
M24C04-WDW6TP	497-5088-1-ND	2.5V, 4K-Bit Serial EEPROM ***NEW!***	8-TSSOP	1.69	1.47	1.13
M24C04-WDW6TP	497-5088-2-ND	2.5V, 4K-Bit Serial EEPROM ***NEW!***	8-TSSOP		2396.00/4,000	
M24C04-WMN6T	497-1612-1-ND	2.5V, 4K-Bit Serial EEPROM	8-SOIC	1.65	1.43	1.10
M24C04-WMN6T	497-1612-2-ND	2.5V, 4K-Bit Serial EEPROM	8-SOIC		1462.50/2,500	
M24C08-BN6	497-1613-5-ND	5.5V, 8K-Bit Serial EEPROM	8-PDip	1.56	1.30	1.10
M24C16-BN6	497-1615-5-ND	5.5V, 16K-Bit Serial EEPROM	8-PDip	2.13	1.78	1.50
M24C16-WMN6T	497-1616-1-ND	2.5V, 16K-Bit Serial EEPROM	8-SOIC	2.43	2.03	1.71
M24C16-WMN6T	497-1616-2-ND	2.5V, 16K-Bit Serial EEPROM	8-SOIC		2632.50/2,500	
M24C32-WMN6T	497-5027-1-ND	2.5V, 32K-Bit Serial EEPROM	8-SOIC	.93	.75	.56
M24C32-WMN6TP	497-5027-1-ND	2.5V, 32K-Bit Serial EEPROM	8-SOIC	2.40	2.00	1.68
M24C32-WMN6TP	497-5027-2-ND	2.5V, 32K-Bit Serial EEPROM	8-SOIC		2600.00/2,500	
M34C02-LDW6T	497-1722-1-ND	5.5V, 2K-Bit Serial EEPROM	8-TSSOP	1.80	1.44	1.08
M34C02-LDW6TP	497-5087-1-ND	5.5V, 2K-Bit Serial EEPROM ***NEW!***	8-TSSOP	1.50	1.30	1.00
M34C02-LDW6TP	497-5087-2-ND	5.5V, 2K-Bit Serial EEPROM ***NEW!***	8-TSSOP		2128.00/4,000	
M34C02-WDW6T	497-1723-1-ND	5.5V, 2K-Bit Serial EEPROM	8-TSSOP	1.13	.98	.75
M93C46-MN6T	497-1927-1-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC	1.20	1.04	.80
M93C46-MN6T	497-1927-2-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC		1065.00/2,500	
M93C46-WMN6T	497-1929-1-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC	1.13	.98	.75
M93C46-WMN6T	497-1929-2-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC		997.50/2,500	
M93C46-WMN6TP	497-5090-1-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM* ***NEW!***	8-SOIC	.58	.47	.35
M93C46-WMN6TP	497-5090-2-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM* ***NEW!***	8-SOIC		435.00/2,500	
M93C56-MN6T	497-1930-1-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC	.66	.53	.40
M93C56-MN6T	497-1930-2-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC		495.00/2,500	
M93C56-WMN6T	497-1931-1-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC	1.31	1.14	.88
M93C56-WMN6T	497-1931-2-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC		1165.00/2,500	
M93C66-MN6T	497-1933-1-ND	5.5V, 4K-Bit Microwire Serial Access EEPROM	8-SOIC	1.58	1.37	1.05
M93C66-MN6T	497-1933-2-ND	5.5V, 4K-Bit Microwire Serial Access EEPROM	8-SOIC		1397.50/2,500	
M93C66-WMN6	497-1934-5-ND	5.5V, 4K-Bit Microwire Serial Access EEPROM	8-SOIC	1.58	1.37	1.05
M93C66-WMN6T	497-1935-1-ND	5.5V, 4K-Bit Microwire Serial Access EEPROM	8-SOIC	1.58	1.37	1.05
M93C66-WMN6T	497-1935-2-ND	5.5V, 4K-Bit Microwire Serial Access EEPROM	8-SOIC		1397.50/2,500	
M93C86-MN6T	497-1936-1-ND	5.5V, 16K-Bit Microwire Serial Access EEPROM	8-SOIC	1.03	.83	.62
M93C86-MN6T	497-1936-2-ND	5.5V, 16K-Bit Microwire Serial Access EEPROM	8-SOIC		812.25/2,500	
M93C86-WMN6P	497-4927-5-ND	5.5V, 16K-Bit Microwire Serial Access EEPROM	8-SOIC	1.03	.83	.62
M93S46-WMN6	497-1939-5-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC	1.24	1.08	.83
M93S46-WMN6T	497-1940-1-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC	1.31	1.14	.88
M93S46-WMN6T	497-1940-2-ND	5.5V, 1K-Bit Microwire Serial Access EEPROM	8-SOIC		1165.00/2,500	
M93S56-WMN6	497-1942-5-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC	1.76	1.53	1.18
M93S56-WMN6T	497-1943-1-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC	1.84	1.60	1.23
M93S56-WMN6T	497-1943-2-ND	5.5V, 2K-Bit Microwire Serial Access EEPROM	8-SOIC		1630.00/2,500	
M95040-WMN6T	497-1945-1-ND	5.5V, 4K-Bit Serial SPI Bus EEPROM	8-SOIC	1.50	1.30	1.00
M95040-WMN6T	497-1945-2-ND	5.5V, 4K-Bit Serial SPI Bus EEPROM	8-SOIC		1330.00/2,500	
M95080-WMN6T	497-1946-1-ND	5.5V, 8K-Bit Serial SPI Bus EEPROM	8-SOIC	1.69	1.47	1.13
M95080-WMN6T	497-1946-2-ND	5.5V, 8K-Bit Serial SPI Bus EEPROM	8-SOIC		1497.50/2,500	
M95640-WMN6T	497-1947-1-ND	5.5V, 64K-Bit Serial SPI Bus EEPROM	8-SOIC	2.97	2.59	1.93
M95640-WMN6T	497-1947-2-ND	5.5V, 64K-Bit Serial SPI Bus EEPROM	8-SOIC		3520.00/2,500	
Flash						
M25P05-AVMN6T	497-1621-1-ND	3.6V, 512K-Bit Serial Flash	8-SOIC	1.86	1.61	1.24
M25P05-AVMN6T	497-1621-2-ND	3.6V, 512K-Bit Serial Flash	8-SOIC		1645.88/2,500	
M25P10-AVMN6P	497-3591-ND	3.6V, 1M-Bit Serial Flash	8-SOIC	1.79	1.50	1.26
M25P10-AVMP6T	497-3592-1-ND	3.6V, 1M-Bit Serial Flash	8-VDFPN	2.48	2.07	1.74
M25P10-AVMP6T	497-3592-2-ND	3.6V, 1M-Bit Serial Flash	8-VDFPN		4305.60/4,000	

* *RoHS Compliant*

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STMicroelectronics Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	100
25P16-VMF6P	497-3593-ND	3.6V, 16M-Bit Serial Flash	16-SOIC	4.56	3.97	2.96
25P20-VMN6TP	497-3594-1-ND	3.6V, 2M-Bit Serial Flash	8-SOIC	2.07	1.73	1.45
25P20-VMN6TP	497-3594-2-ND	3.6V, 2M-Bit Serial Flash	8-SOIC		2330.00/2,500	
25P20-VMN6T	497-1623-1-ND	3.6V, 2M-Bit Serial Flash	8-SOIC	2.07	1.73	1.45
25P20-VMN6T	497-1623-2-ND	3.6V, 2M-Bit Serial Flash	8-SOIC		2242.50/2,500	
25P20-VMP6	497-3595-ND	3.6V, 2M-Bit Serial Flash	8-VDFPN	4.05	3.53	2.63
25P40-VMN6P	497-3598-ND	3.6V, 4M-Bit Serial Flash	8-SOIC	2.84	2.37	2.00
25P40-VMN6TP	497-4544-1-ND	3.6V, 4M-Bit Serial Flash	8-SOIC	2.84	2.37	2.00
25P40-VMN6TP	497-4544-2-ND	3.6V, 4M-Bit Serial Flash	8-SOIC		3080.00/2,500	
28W320CB90N6	497-1694-ND	32M-Bit (2Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	7.36	6.72	5.32
28W320ECB70ZB6T	497-1696-1-ND	32M-Bit (2Mb x 16), Bottom Boot, 3V Flash Memory	47-TFBGA	10.35	9.45	7.47
28W320ECB70ZB6T	497-1696-2-ND	32M-Bit (2Mb x 16), Bottom Boot, 3V Flash Memory	47-TFBGA		14175.00/2,500	
28W320ECT70ZB6T	497-1697-1-ND	32M-Bit (2Mb x 16), Top Boot, 3V Flash Memory	47-TFBGA	10.35	9.45	7.47
28W320ECT70ZB6T	497-1697-2-ND	32M-Bit (2Mb x 16), Top Boot, 3V Flash Memory	47-TFBGA		14175.00/2,500	
29DW323DB70N6	497-1699-ND	32M-Bit (4Mb x 8 or 2Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	9.09	8.30	6.56
29F010B70K6T	497-1700-1-ND	1M-Bit (128Kb x 8), 70nS, Single Flash Memory	32-PLCC	2.70	2.35	1.75
29F010B70K6T	497-1700-2-ND	1M-Bit (128Kb x 8), 70nS, Single Flash Memory	32-PLCC		1050.00/750	
29F010B70K6F	497-5089-1-ND	1M-Bit (128Kb x 8), 70nS, Single Flash Memory* ***NEW!***	32-PLCC	5.75	5.25	4.15
29F010B70K6F	497-5089-2-ND	1M-Bit (128Kb x 8), 70nS, Single Flash Memory* ***NEW!***	32-PLCC		2437.50/750	
29F016D70N6	497-1701-ND	16M-Bit (2Mb x 8), 70nS, 5V Flash Memory	40-TSOP	5.75	5.25	4.15
29F032D70N6T	497-1702-1-ND	32M-bit (4Mb x 8), 70nS, 5V Flash Memory	40-TSOP	10.35	9.45	7.47
29F032D70N6T	497-1702-2-ND	32M-Bit (4Mb x 8), 70nS, 5V Flash Memory	40-TSOP		8607.00/1,500	
29F040B70K6E	497-1704-1-ND	4M-Bit (512Kb x 8), 70nS, Single Flash Memory	32-PLCC	3.38	2.94	2.19
29F040B70K6E	497-1704-5-ND	4M-Bit (512Kb x 8), 70nS, Single Flash Memory	32-PLCC	3.38	2.94	2.19
29F040B90N6	497-1706-ND	4M-Bit (512Kb x 8), 90nS, Single Flash Memory	32-TSOP	3.38	2.94	2.19
29F200BB70N6T	497-1707-1-ND	2M-Bit (256Kb x 8 or 128Kb x 16), 70nS, Single Flash Memory	48-TSOP	3.11	2.71	2.02
29F200BB70N6T	497-1707-2-ND	2M-Bit (256Kb x 8 or 128Kb x 16), 70nS, Single Flash Memory	48-TSOP		2295.00/1,500	
29F400BB70N6T	497-1708-1-ND	4M-Bit (512Kb x 8 or 256Kb x 16), 70nS, Single Flash Memory	48-TSOP	3.38	2.94	2.19
29F400BB70N6T	497-1708-2-ND	4M-Bit (512Kb x 8 or 256Kb x 16), 70nS, Single Flash Memory	48-TSOP		2494.50/1,500	
29F400BT70N6	497-1709-ND	4M-Bit (512Kb x 8 or 256Kb x 16), 70nS, Single Flash Memory	48-TSOP	9.20	8.40	6.64
29F800DB70N6	497-1710-ND	8M-Bit (1Mb x 8 or 512Kb x 16), 70nS, 5V Flash Memory	48-TSOP	5.00	4.35	3.24
29W040B90K6	497-1711-5-ND	4M-Bit (512Kb x 8), 90nS, Low Voltage, Single Flash Memory	32-PLCC	3.92	3.41	2.54
29W128FH70N6E	497-5028-ND	128M-Bit (8Mb x 16 or 16Mb x 8) 3V Flash Memory	56-TSOP	12.50	11.57	8.75
29W128FT70N6E	497-5029-ND	128M-Bit (8Mb x 16 or 16Mb x 8) 3V Flash Memory	56-TSOP	12.00	11.10	8.40
29W160EB70N6E	497-3602-ND	16M-Bit (2Mb x 8 or 1Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	5.40	4.70	3.50
29W160EB90N6	497-1712-ND	16M-Bit (2Mb x 8 or 1Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	5.40	4.70	3.50
29W320DB70N6	497-1714-ND	32M-Bit (4Mb x 8 or 2Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	7.36	6.72	5.32
29W320DB70N6E	497-3604-ND	32M-Bit (4Mb x 8 or 2Mb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	7.36	6.72	5.32
29W320DB70ZA6	497-3605-ND	32M-Bit (4Mb x 8 or 2Mb x 16), Bottom Boot, 3V Flash Memory	63-TFBGA	7.36	6.72	5.32
29W400BB90N6	497-1715-ND	4M-Bit (512Kb x 8 or 256Kb x 16), Bottom Boot Low Voltage Single Flash Memory	48-TSOP	3.38	2.94	2.19
29W400BT70N6	497-1716-ND	4M-Bit (512Kb x 8 or 256Kb x 16), Top Boot Low Voltage Single Flash Memory	48-TSOP	3.38	2.94	2.19
29W640FB70N6E	497-5031-ND	64M-Bit (8Mb x 8 or 4Mb x 16) 3V Flash Memory	48-TSOP	9.20	8.40	6.64
29W640FB70ZA6E	497-5032-ND	64M-Bit (8Mb x 8 or 4Mb x 16) 3V Flash Memory	48-TFBGA	9.43	8.61	6.81
29W640FT70N6E	497-5033-ND	64M-Bit (8Mb x 8 or 4Mb x 16) 3V Flash Memory	48-TSOP	9.20	8.40	6.64
29W640FT70ZA6E	497-5034-ND	64M-Bit (8Mb x 8 or 4Mb x 16) 3V Flash Memory	48-TFBGA	9.43	8.61	6.81
29W800DB70N6E	497-5035-ND	8M-Bit (1Mb x 8 or 512Kb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	4.19	3.65	2.72
29W800DB70N6T	497-3703-1-ND	8M-Bit (1Mb x 8 or 512Kb x 16), Bottom Boot, 3V Flash Memory	48-TSOP	4.19	3.65	2.72
29W800DB70N6T	497-3703-2-ND	8M-Bit (1Mb x 8 or 512Kb x 16), Bottom Boot, 3V Flash Memory	48-TSOP		3093.00/1,500	
29W800DB70ZE6	497-3610-ND	8M-Bit (1Mb x 8 or 512Kb x 16), Bottom Boot, 3V Flash Memory	48-TFBGA	8.37	7.29	5.43
M58LW032D110N6	497-1725-ND	32M-Bit (4Mb x 8 or 2Mb x 16), 110nS, 3V Flash Memory	56-TSOP	8.74	7.98	6.31
M58LW064D110N6	497-1727-ND	64M-Bit (8Mb x 8 or 4Mb x 16), 110nS, 3V Flash Memory	56-TSOP	15.00	13.85	10.50
NAND016W3B2AZA6E	497-5036-ND	1G-Bit, 2.7V-3.6V, NAND Flash Memory	63-VFBGA	17.00	15.73	11.90
NAND256W3A2BZA6E	497-5039-ND	256M-Bit, 2.7V-3.6V, NAND Flash Memory	55-VFBGA	11.00	10.18	7.70
NAND512W3A2BZA6E	497-5041-ND	512M-Bit, 2.7V-3.6V, NAND Flash Memory	63-VFBGA	13.00	12.03	9.10
PSD813F1A-12JI	497-1973-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLDCC	13.58	12.57	9.51
PSD813F1A-12UI	497-1974-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	14.62	13.53	10.24
PSD813F1A-90J	497-1975-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLDCC	12.46	11.53	8.73
PSD813F1A-90JI	497-1976-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLDCC	13.58	12.57	9.51
PSD813F1A-90M	497-1977-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	12.46	11.53	8.73
PSD813F1A-90MI	497-1978-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	13.58	12.57	9.51
PSD813F1A-90U	497-1979-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	13.50	12.49	9.45
PSD813F1A-90UI	497-1980-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	14.62	13.53	10.24
PSD813F1VA-15J	497-1981-5-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	13.20	12.21	9.24
PSD813F1VA-15M	497-1982-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	13.20	12.21	9.24
PSD813F1VA-15U	497-1983-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	14.24	13.18	9.97
PSD813F1VA-20JI	497-1984-5-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	14.38	13.31	10.07
PSD813F1VA-20UI	497-1985-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	15.44	14.29	10.81
PSD813F2A-70J	497-1986-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	11.98	11.09	8.39
PSD813F2A-70M	497-1987-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	11.98	11.09	8.39
PSD813F2A-90J	497-1988-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	11.40	10.55	7.98
PSD813F2A-90JI	497-1989-5-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	12.44	11.51	8.71
PSD813F2A-90M	497-1990-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	11.40	10.55	7.98
PSD813F2A-90MI	497-1991-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	12.44	11.51	8.71
PSD813F2A-90U	497-1992-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	12.46	11.53	8.73
PSD813F2A-90UI	497-1993-ND	5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	13.48	12.47	9.44
PSD813F2VA-15J	497-1994-5-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	12.08	11.18	8.46
PSD813F2VA-15M	497-1995-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	12.08	11.18	8.46
PSD813F2VA-15U	497-1996-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	13.14	12.16	9.20
PSD813F2VA-20JI	497-1997-5-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	13.18	12.20	9.23
PSD813F2VA-20MI	497-1998-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	13.18	12.20	9.23
PSD813F2VA-20UI	497-1999-ND	3V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	80-TQFP	14.22	13.16	9.96
PSD833F2-90J	497-2000-5-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	12.76	11.81	8.94
PSD833F2-90JI	497-2001-5-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	13.90	12.86	9.73
PSD833F2-90M	497-2002-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	12.76	11.81	8.94
PSD833F2-90MI	497-2003-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	13.90	12.86	9.73
PSD834F2-70J	497-2004-5-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	15.76	14.58	11.04
PSD834F2-70M	497-2005-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	15.76	14.58	11.04
PSD834F2-90J	497-2006-5-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	15.02	13.90	10.52
PSD834F2-90JI	497-2007-5-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	16.36	15.14	11.46
PSD834F2-90M	497-2008-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	15.02	13.90	10.52
PSD834F2-90MI	497-2009-ND	5.5V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	16.36	15.14	11.46
PSD834F2V-15J	497-2010-5-ND	3.6V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	15.92	14.73	11.15
PSD834F2V-15M	497-2011-ND	3.6V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	15.92	14.73	11.15
PSD834F2V-20JI	497-2012-5-ND	3.6V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	17.34	16.04	12.14
PSD834F2V-20MI	497-2013-ND	3.6V, 2M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	17.34	16.04	12.14
PSD835G2-70U	497-2014-ND	5V, 4M-Bit Config. Memory System on a Chip for 8-Bit MCU's	80-TQFP	19.16	17.73	13.42
PSD835G2-90U	497-2015-ND	5V, 4M-Bit Config. Memory System on a Chip for 8-Bit MCU's	80-TQFP	18.24	16.88	12.77
PSD835G2-90UI	497-2016-ND	5V, 4M-Bit Config. Memory System on a Chip for 8-Bit MCU's	80-TQFP	19.88	18.39	13.92
PSD835G2V-12UI	497-2017-ND	3V, 4M-Bit Config. Memory System on a Chip for 8-Bit MCU's	80-TQFP	19.01	16.29	14.45
PSD835G2V-90U	497-2018-ND	3V, 4M-Bit Config. Memory System on a Chip for 8-Bit MCU's	80-TQFP	17.76	15.23	13.50
PSD853F2-70J	497-2019-5-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	18.02	16.67	12.62
PSD853F2-70M	497-2020-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	17.12	15.84	11.99
PSD853F2-90J	497-2021-5-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	17.16	15.88	12.02
PSD853F2-90JI	497-2022-5-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PLCC	18.70	17.30	13.09
PSD853F2-90M	497-2023-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	17.16	15.88	12.02
PSD853F2-90MI	497-2024-ND	5.5V, 1M-Bit Flash ISP Peripheral for 8-Bit MCU's	52-PQFP	18.70	17.30	13.09

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74HC00 SERIES CMOS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MM74HC373WM-ND	Tri-State Octal D-Type Latch	20-SOIC	.43	.34	.26
MM74HC374N-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.55	.42	.32
MM74HC374WM-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.43	.34	.26
MM74HC393M-ND	Dual 4-Bit Binary Counter	14-SOIC	.50	.38	.29
MM74HC393N-ND	Dual 4-Bit Binary Counter	14-Dip	.55	.42	.32
MM74HC540N-ND	Octal Inverting Buffer and Line Driver	20-Dip	.60	.45	.34
MM74HC541N-ND	Tri-State Octal Buffer	20-Dip	.60	.45	.34
MM74HC541WM-ND	Tri-State Octal Buffer	20-SOIC	.53	.42	.32
MM74HC573N-ND	Tri-State Octal D-Type Latch	20-Dip	.60	.45	.34
MM74HC573WM-ND	Tri-State Octal D-Type Latch	20-SOIC	.53	.42	.32
MM74HC574N-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.60	.45	.34
MM74HC574WM-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.53	.42	.32
MM74HC595M-ND	8-Bit Shift Register with Output Latches	16-SOIC	.50	.40	.30
MM74HC595N-ND	8-Bit Shift Register with Output Latches	16-Dip	.54	.41	.31
MM74HC688N-ND	8-Bit Magnitude Comparator (Equality Detector)	20-Dip	.72	.54	.41
MM74HC4040M-ND	12-Stage Binary Counter	16-SOIC	.58	.44	.33
MM74HC4040N-ND	12-Stage Binary Counter	16-Dip	.72	.54	.41
MM74HC4046M-ND	CMOS Phase-Lock-Loop	16-SOIC	.58	.44	.33
MM74HC4046N-ND	CMOS Phase-Lock-Loop	16-Dip	.72	.54	.41
MM74HC4049N-ND	Hex Inverting Logic Level Down Converter	16-Dip	.60	.45	.34
MM74HC4051M-ND	8-Channel Analog Multiplexer	16-SOIC	.52	.39	.30
MM74HC4051N-ND	8-Channel Analog Multiplexer	16-Dip	.82	.62	.46
MM74HC4051WM-ND	8-Channel Analog Multiplexer	16-SOIC	.80	.60	.45
MM74HC4052MXT-ND	Dual 4-Channel Analog Multiplexer*	16-SOIC	.55	.44	.33
MM74HC4052MXTR-ND	Dual 4-Channel Analog Multiplexer*	16-SOIC		422.50/2,500	
MM74HC4052N-ND	Dual 4-Channel Analog Multiplexer	16-Dip	.82	.62	.46
MM74HC4053M-ND	Triple 2-Channel Analog Multiplexer	16-SOIC	.52	.39	.30
MM74HC4053N-ND	Triple 2-Channel Analog Multiplexer	16-Dip	.82	.62	.46
MM74HC4053WM-ND	Triple 2-Channel Analog Multiplexer	16-SOIC	.74	.56	.42
MM74HC4060M-ND	14-Stage Binary Counter*	16-SOIC	.52	.39	.30
MM74HC4060N-ND	14-Stage Binary Counter	16-Dip	.82	.62	.46
MM74HC4066N-ND	Quad Analog Switch	14-Dip	.80	.60	.45
MM74HC4316N-ND	Quad Analog Switch	16-Dip	.72	.54	.41
MM74HC4316WM-ND	Quad Analog Switch	16-SOIC	.82	.62	.46
MM74HC4514N-ND	4-to-16 Line Decoder with Latch (.3" Lead Spacing)	24-Dip	1.14	.95	.76
MM74HC4538M-ND	Dual Retriggerable Monostable Multivibrator	16-SOIC	.62	.47	.36
MM74HC4538N-ND	Dual Retriggerable Monostable Multivibrator	16-Dip	.72	.54	.41

74HCT00 SERIES CMOS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MM74HCT04MXT-ND	Hex Inverter*	14-SOIC	.38	.30	.22
MM74HCT04MXTR-ND	Hex Inverter*	14-SOIC		234.00/2,500	
MM74HCT04N-ND	Hex Inverter	14-Dip	.54	.44	.33
MM74HCT244N-ND	Tri-State Octal Buffer	20-Dip	.55	.42	.32
MM74HCT244WM-ND	Tri-State Octal Buffer	20-SOIC	.43	.34	.26
MM74HCT245N-ND	Tri-State Octal Bus Transceiver	20-Dip	.55	.42	.32
MM74HCT245WM-ND	Tri-State Octal Bus Transceiver	20-SOIC	.43	.35	.26
MM74HCT373N-ND	Tri-State Octal D-Type Latch	20-Dip	.55	.42	.32
MM74HCT374N-ND	Tri-State Octal D-Type Flip-Flop	20-Dip	.55	.42	.32
MM74HCT541N-ND	Tri-State Octal Buffer	20-Dip	.60	.45	.34

74VHC SERIES CMOS

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74VHC00M-ND	Quad 2-Input NAND Gate	14-SOIC	.42	.33	.23
74VHC00MTCXGT-ND	Quad 2-Input NAND Gate*	14-TSSOP	.40	.33	.23
74VHC00MTCXTR-ND	Quad 2-Input NAND Gate*	14-TSSOP		263.50/2,500	
74VHC04M-ND	Hex Inverter	14-SOIC	.42	.33	.23
74VHC04MTCXCT-ND	Hex Inverter*	14-TSSOP	.40	.33	.23
74VHC04MTCXTR-ND	Hex Inverter*	14-TSSOP		263.50/2,500	
74VHC08M-ND	Quad 2-Input AND Gate	14-SOIC	.42	.33	.23
74VHC08MTCXGT-ND	Quad 2-Input AND Gate*	14-TSSOP	.40	.33	.23
74VHC08MTCXTR-ND	Quad 2-Input AND Gate*	14-TSSOP		263.50/2,500	
74VHC14M-ND	Hex Schmitt Trigger Inverter	14-SOIC	.37	.30	.21
74VHC14MTCXCT-ND	Hex Schmitt Inverter*	14-TSSOP	.36	.29	.20
74VHC14MTCXTR-ND	Hex Schmitt Inverter*	14-TSSOP		242.25/2,500	
74VHC32M-ND	Quad 2-Input OR Gate	14-SOIC	.42	.33	.23
74VHC32MTCXCT-ND	Quad 2-Input OR Gate*	14-TSSOP	.40	.33	.23
74VHC32MTCXTR-ND	Quad 2-Input OR Gate*	14-TSSOP		263.50/2,500	
74VHC74M-ND	Dual D-Type Flip-Flop	14-SOIC	.45	.37	.25
74VHC74MTCXCT-ND	Dual D-Type Flip-Flop with Preset and Clear*	14-TSSOP	.36	.29	.20
74VHC74MTCXTR-ND	Dual D-Type Flip-Flop with Preset and Clear*	14-TSSOP		293.25/2,500	
74VHC86M-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.37	.30	.21
74VHC86MTCXCT-ND	Quad 2-Input Exclusive OR Gate*	14-TSSOP	.39	.32	.22
74VHC86MTCXTR-ND	Quad 2-Input Exclusive OR Gate*	14-TSSOP		255.00/2,500	
74VHC123AM-ND	Dual Monostable Multivibrator	16-SOIC	.49	.40	.27
74VHC123AMTCXCT-ND	Dual Retriggerable Monostable Multivibrator*	16-TSSOP	.39	.32	.22
74VHC123AMTCXTR-ND	Dual Retriggerable Monostable Multivibrator*	16-TSSOP		318.75/2,500	
74VHC125MTCXCT-ND	Tri-State Quad Buffer*	14-TSSOP	.39	.32	.22
74VHC125MTCXTR-ND	Tri-State Quad Buffer*	14-TSSOP		318.75/2,500	
74VHC139M-ND	Dual 2-to-4 Decoder/Demultiplexer	16-SOIC	.48	.36	.27
74VHC157MTC-ND	Quad 2-Input Multiplexer	16-TSSOP	.48	.36	.27
74VHC244M-ND	Tri-State Octal Non-Inverting Buffer/Line Driver	20-SOIC	.43	.34	.26
74VHC244MTCXCT-ND	Tri-State Octal Buffer/Line Driver*	20-TSSOP	.49	.40	.27
74VHC244MTCXTR-ND	Tri-State Octal Buffer/Line Driver*	20-TSSOP		286.88/2,500	
74VHC245MTCXCT-ND	Tri-State Octal Bidirectional Transceiver*	20-TSSOP	.49	.40	.27
74VHC245MTCXTR-ND	Tri-State Octal Bidirectional Transceiver*	20-TSSOP		286.88/2,500	
74VHC273MTCXCT-ND	Octal D-Type Flip-Flop*	20-TSSOP	.49	.40	.27
74VHC273MTCXTR-ND	Octal D-Type Flip-Flop*	20-TSSOP		286.88/2,500	
74VHC373M-ND	Tri-State Octal D-Type Latch	20-SOIC	.43	.34	.26
74VHC374MTC-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.43	.34	.26
74VHC393M-ND	Dual 4-Bit Binary Counter	14-SOIC	.76	.57	.43
74VHC393MTC-ND	Dual 4-Bit Binary Counter	14-TSSOP	.76	.57	.43
74VHC541MTC-ND	Tri-State Octal Buffer/Line-Driver	20-TSSOP	.50	.40	.30
74VHC573M-ND	Tri-State Octal D-Type Latch	20-SOIC	.50	.40	.30
74VHC573MTCXCT-ND	Tri-State Octal D-Type Latch*	20-TSSOP	.45	.36	.27
74VHC573MTCXTR-ND	Tri-State Octal D-Type Latch*	20-TSSOP		337.50/2,500	
74VHC574MTC-ND	Tri-State Octal D-Type Flip-Flop	20-TSSOP	.50	.40	.30
74VHC595M-ND	8-Bit Shift Register with Output Latches	16-SOIC	.54	.44	.33
74VHC595MTCXCT-ND	8-Bit Shift Register with Output Latches*	16-TSSOP	.45	.36	.27
74VHC595MTCXTR-ND	8-Bit Shift Register with Output Latches*	16-TSSOP		303.75/2,500	

74VHCT SERIES — RoHS Compliant

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74VHCT08AMTCXCT-ND	Quad 2-Input AND Gate	14-TSSOP	.40	.33	.23
74VHCT08AMTCXTR-ND	Quad 2-Input AND Gate	14-TSSOP		263.50/2,500	
74VHCT244AMTCXCT-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.40	.32	.24
74VHCT244AMTCXTR-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		286.88/2,500	
74VHCT245AMTCXCT-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP	.40	.32	.24
74VHCT245AMTCXTR-ND	Tri-State Octal Buffer/Line Driver	20-TSSOP		286.88/2,500	

74ABT SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74ABT125CSC-ND	Tri-State Quad Buffer	14-SOIC	.48	.36	.27
74ABT241CMSA-ND	Tri-State Octal Line Driver	20-SSOP	.90	.75	.60
74ABT244CMSA-ND	Tri-State Octal Buffer/Line Driver	20-SSOP	.90	.75	.60
74ABT244CSC-ND	Tri-State Octal Line Driver	20-SOIC	.72	.54	.41
74ABT245CSC-ND	Tri-State Octal Bus Transceiver	20-SOIC	.72	.54	.41
74ABT273CMSA-ND	Octal D-Type Flip-Flop	20-SSOP	.90	.75	.60
74ABT541CSC-ND	Tri-State Octal Buffer/Line Driver	20-SOIC	.90	.75	.60
74ABT16244CSSC-ND	16-Bit, Tri-State Buffer/Line Driver	48-SSOP	1.05	.88	.70
74ABT16245CSSC-ND	16-Bit, Tri-State Bidirectional Transceiver	48-SSOP	1.05	.88	.70
74ABT16373CSSC-ND	16-Bit, D-Type Latch with Tri-State Outputs	48-SSOP	1.26	1.05	.84
74ABT16374CSSC-ND	16-Bit, D-Type Flip-Flop with Tri-State Outputs	48-SSOP	1.26	1.05	.84
74ABT2244CMSA-ND	Octal Buffer Line Driver with Series Resistor Included	20-SSOP	.90	.75	.60
74ABT2244CSC-ND	Octal Buffer Line Driver with Series Resistor Included	20-SOIC	.72	.54	.41

FACT™ ADVANCED CMOS TECHNOLOGY 74AC

These are high speed CMOS devices with CMOS input switching levels and buffered CMOS outputs.

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74AC00PC-ND	Quad 2-Input NAND Gate	14-Dip	.49	.40	.27
74AC00SC-ND	Quad 2-Input NAND Gate	14-SOIC	.39	.32	.22
74AC02PC-ND	Quad 2-Input NOR Gate	14-Dip	.50	.41	.28
74AC02SC-ND	Quad 2-Input NOR Gate	14-SOIC	.39	.32	.22
74AC04PC-ND	Hex Inverter	14-Dip	.49	.40	.27
74AC04SC-ND	Hex Inverter	14-SOIC	.39	.32	.22
74AC08PC-ND	Quad 2-Input AND Gate	14-Dip	.49	.40	.27
74AC08SC-ND	Quad 2-Input AND Gate	14-SOIC	.39	.32	.22
74AC11SC-ND	Triple 3-Input AND Gate	14-SOIC	.39	.32	.22
74AC14PC-ND	Hex Schmitt Trigger Inverter	14-Dip	.55	.44	.33
74AC14SC-ND	Hex Schmitt Trigger Inverter	14-SOIC	.46	.37	.26
74AC20PC-ND	Dual 4-Input NAND Gate	14-Dip	.51	.41	.29
74AC20SCXT-ND	Dual 4-Input NAND Gate*	14-SOIC	.42	.35	.24
74AC20SCXTR-ND	Dual 4-Input NAND Gate*	14-SOIC		276.25/2,500	
74AC32PC-ND	Quad 2-Input OR Gate	14-Dip	.49	.40	.27
74AC32SC-ND	Quad 2-Input OR Gate	14-SOIC	.39	.32	.22
74AC74PC-ND	Dual D-Type Flip-Flop with Set and Reset	14-Dip	.55	.44	.33
74AC74SC-ND	Dual D-Type Flip-Flop with Set and Reset	14-SOIC	.49	.40	.27
74AC86SC-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.49	.40	.27
74AC109SC-ND	Dual JK Positive-Edge-Triggered Flip-Flop	16-SOIC	.50	.40	.30
74AC125SC-ND	Tri-State Quad Buffer	14-SOIC	.48	.39	.29
74AC138PC-ND	1-of-8 Decoder/Demultiplexer	16-Dip	.52	.38	.30
74AC138SC-ND	1-of-8 Decoder/Demultiplexer	16-SOIC	.57	.46	.35
74AC139SC-ND	Dual 1-of-4 Decoder/Demultiplexer	16-SOIC	.57	.46	.35
74AC151PC-ND	8-Input Fact Multiplexer	16-Dip	.52	.39	.30
74AC151SC-ND	8-Input Fact Multiplexer	16-SOIC	.48	.38	.29
74AC161PC-ND	Synchronous Presettable 4-Bit Binary Counter	16-Dip	.56	.42	.32
74AC161SC-ND	Synchronous Presettable 4-Bit Binary Counter	16-SOIC	.40	.30	.23
74AC174SC-ND	Hex D-Type Flip-Flop	16-SOIC	.48	.36	.27
74AC175SC-ND	Quad D-Type Flip-Flop	16-SOIC	.48	.36	.27
74AC244SC-ND	Octal Buffer/Line Driver	20-SOIC	.53	.42	.32
74AC245SC-ND	Octal Bidirectional Transceiver	20-SOIC	.48	.36	.27
74AC251SCXT-ND	Tri-State Output 8-Input Multiplexer*	16-SOIC	.45	.36	.27
74AC251SCXTR-ND	Tri-State Output 8-Input Multiplexer*	16-SOIC		320.63/2,500	
74AC257SC-ND	Quad 2-Input Multiplexer	16-SOIC	.48	.38	.29
74AC541SC-ND	Octal Buffer/Line Driver	20-SOIC	.56	.42	.32
74AC273SC-ND	Octal D-Type Flip-Flop with Reset	20-SOIC	.48	.36	.27
74AC299SC-ND	Octal Shift/Storage	20-SOIC	.94	.71	.53
74AC373SC-ND	Octal D-Type Latch	20-SOIC	.53	.42	.32
74AC521SC-ND	8-Bit Comparator	20-SOIC	.56	.42	.32
74AC540SC-ND	Octal Buffer/Line Driver with Tri-State Output	20-SOIC	.56	.42	.32
74AC541PC-ND	Octal Buffer/Line Driver with Tri-State Output	20-Dip	.64	.48	.36

74LVT SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74LVT244MTCXGT-ND	Tri-State Low Voltage Octal Buffer/Line Driver*	20-TSSOP	.58	.46	.35
74LVT244MTCXTR-ND	Tri-State Low Voltage Octal Buffer/Line Driver*	20-TSSOP		422.50/2,500	
74LVT244WMXCT-ND	Tri-State Low Voltage Octal Buffer/Line Driver*	20-SOIC	.58	.46	.35
74LVT244WMXTR-ND	Tri-State Low Voltage Octal Buffer/Line Driver*	20-SOIC		345.80/2,000	
74LVT245MTC-ND	Tri-State Octal Bi-Directional Transceiver	20-TSSOP	.52	.39	.30
74LVT16244MTDXCT-ND	Tri-State Low Voltage 16-Bit Buffer/Line Driver*	48-TSSOP	.92	.69	.52
74LVT16244MTDXTR-ND	Tri-State Low Voltage 16-Bit Buffer/Line Driver*	48-TSSOP		332.50/1,000	
74LVT16245MTDXCT-ND	Tri-State Low Voltage 16-Bit Transceiver*	48-SSOP	.92	.69	.52
74LVT16245MTDXTR-ND	Tri-State Low Voltage 16-Bit Transceiver*	48-SSOP		332.50/1,000	

74LVTH SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74LVTH125MTCXCT-ND	Tri-State Low Voltage Quad Buffer*	14-TSSOP	.43	.34	.26
74LVTH125MTCXTR-ND	Tri-State Low Voltage Quad Buffer*	14-TSSOP		286.88/2,500	
74LVTH125MXCT-ND	Tri-State Low Voltage Quad Buffer*	14-SOIC	.43	.34	.26
74LVTH125MXTR-ND	Tri-State Low Voltage Quad Buffer*	14-SOIC		286.88/2,500	
74LVTH244MTC-ND	Low Voltage Tri-State Octal Buffer/Line Driver	20-TSSOP	.52	.39	.30

* RoHS Compliant

(Continued

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74LVTH SERIES *(Continued)*

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74LVTH162244MTXCT-ND	Tri-State Low Voltage 16-Bit Buffer/Line Driver*	48-TSSOP	.92	.69	.52
74LVTH162244MTXTR-ND	Tri-State Low Voltage 16-Bit Buffer/Line Driver*	48-TSSOP		332.50/1,000	
74LVTH162245MTXCT-ND	Tri-State Low Voltage 16-Bit Transceiver*	48-TSSOP	.92	.69	.52
74LVTH162245MTXTR-ND	Tri-State Low Voltage 16-Bit Transceiver*	48-TSSOP		332.50/1,000	
74LVTH16373MTDXCT-ND	Tri-State LV 16-Bit Transparent Latch*	48-TSSOP	.92	.69	.52
74LVTH16373MTDXTR-ND	Tri-State LV 16-Bit Transparent Latch*	48-TSSOP		332.50/1,000	
74LVTH16244MTD-ND	16-Bit, Tri-State, Low Voltage Buffer/Line Driver	48-TSSOP	.75	.63	.50
74LVTH16245MEA-ND	16-Bit, Tri-State, Low Voltage Transceiver	48-SSOP	1.02	.85	.68
74LVTH16245MTD-ND	16-Bit, Tri-State, Low Voltage Transceiver	48-TSSOP	.75	.63	.50

74ACQ SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74ACQ544SC-ND	Tri-State Octal Inverting Registered Transceiver	20-SOIC	5.49	4.44	3.59
74ACQ646SC-ND	Tri-State Octal Transceiver Register	24-SOIC	6.32	5.06	4.27

74ACT SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74ACT00SC-ND	Quad 2-Input NAND Gate	14-SOIC	.39	.32	.22
74ACT02SC-ND	Quad 2-Input NOR Gate	14-SOIC	.45	.36	.27
74ACT04PC-ND	Hex Inverter	14-Dip	.49	.40	.27
74ACT04SC-ND	Hex Inverter	14-SOIC	.39	.32	.22
74ACT08SC-ND	Quad 2-Input AND Gate	14-SOIC	.39	.32	.22
74ACT32SC-ND	Quad 2-Input OR Gate	14-SOIC	.39	.32	.22
74ACT74PC-ND	Dual D-Type Positive-Edge-Trigger Flip-Flop	14-Dip	.55	.44	.33
74ACT74SC-ND	Dual D-Type Positive-Edge-Trigger Flip-Flop	14-SOIC	.49	.40	.27
74ACT109SC-ND	Dual JK Flip-Flop	16-SOIC	.50	.40	.30
74ACT125MTCXCT-ND	Tri-State Outputs Quad Buffer*	14-TSSOP	.40	.32	.24
74ACT125MTCXTR-ND	Tri-State Outputs Quad Buffer*	14-TSSOP		270.00/2,500	
74ACT125SC-ND	Tri-State Quad Buffer	14-SOIC	.48	.39	.29
74ACT138SC-ND	1-of-8 Decoder/Demultiplexer	16-SOIC	.48	.39	.29
74ACT151PC-ND	8-Input Multiplexer	16-Dip	.52	.39	.30
74ACT157PC-ND	Quad 2-Input Multiplexer	16-Dip	.52	.39	.30
74ACT157SC-ND	Quad 2-Input Multiplexer	16-SOIC	.48	.38	.29
74ACT161SC-ND	Synchronous Presettable Binary Counter	16-SOIC	.48	.36	.27
74ACT163PC-ND	4-Bit Binary Counter Synchronous Receiver	16-Dip	.56	.42	.32
74ACT174SC-ND	Hex D-Type Flip-Flop with Master Reset	16-SOIC	.48	.36	.27
74ACT175SC-ND	Quad D-Type Flip-Flop	16-SOIC	.48	.36	.27
74ACT244MTCXCT-ND	Tri-State Outputs Octal Buffer/Line Driver*	20-TSSOP	.48	.36	.29
74ACT244MTCXTR-ND	Tri-State Outputs Octal Buffer/Line Driver*	20-TSSOP		354.38/2,500	
74ACT244PC-ND	Octal Buffer/Line Driver	20-Dip	.58	.44	.33
74ACT244SC-ND	Octal Buffer/Line Driver	20-SOIC	.53	.42	.32
74ACT245MTCXCT-ND	Tri-State I/O Octal Bidirectional Transceiver*	20-TSSOP	.53	.42	.32
74ACT245MTCXTR-ND	Tri-State I/O Octal Bidirectional Transceiver*	20-TSSOP		354.38/2,500	
74ACT245SC-ND	Octal Bidirectional Transceiver	20-SOIC	.48	.36	.27
74ACT251PC-ND	8-Bit Multiplexer	16-Dip	.52	.39	.30
74ACT251SC-ND	8-Bit Multiplexer	16-SOIC	.48	.38	.29
74ACT373SC-ND	Octal Transparent Latch	20-SOIC	.53	.42	.32
74ACT374SC-ND	Octal D-Type Flip-Flop	20-SOIC	.53	.42	.32
74ACT520SC-ND	Comparator with Resistor	20-SOIC	.56	.42	.32
74ACT573PC-ND	Tri-State Octal D-Type Latch	20-Dip	.64	.48	.36
74ACT574SC-ND	Tri-State Octal D-Type Flip-Flop	20-SOIC	.56	.42	.32
74ACT899QC-ND	9-Bit Bidirectional Latch	28-PLCC	7.58	6.07	5.12
74ACT1284MSA-ND	IEEE 1284 Transceiver	20-SSOP	1.44	1.20	.96

NM95HS HIGH SECURITY SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
NM95HS01EM-ND	Rolling Code Generator High Temp (RC OSC)	14-SOIC	3.12	2.52	2.04
NM95HS01EM8-ND	Rolling Code Generator High Temp (RC OSC)	8-SOIC	4.29	3.47	2.81
NM95HS01N-ND	Rolling Code Generator (RC OSC)	8-Dip	3.90	3.15	2.55
NM95HS01N14-ND	Rolling Code Generator (RC OSC)	14-Dip	3.90	3.15	2.55
NM95HS02EN-ND	Rolling Code Generator High Temp (XTAL OSC)	8-Dip	4.29	3.47	2.81
NM95HS02N-ND	Rolling Code Generator (XTAL OSC)	8-Dip	3.90	3.15	2.55
NM95HS02N14-ND	Rolling Code Generator (XTAL OSC)	14-Dip	3.90	3.15	2.55

74ACTQ SERIES

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74ACTQ00SC-ND	Quad 2-Input NAND Gate, Quiet Series	14-SOIC	1.01	.84	.68
74ACTQ10PC-ND	Triple 3-Input NAND Gate, Quiet Series	14-Dip	1.20	.62	.47
74ACTQ14SC-ND	Hex Schmitt Trigger Inverting, Quiet Series	14-SOIC	1.01	.84	.68
74ACTQ16245SSC-ND	Tri-State Output 16-Bit Transceiver*	48-SSOP	3.38	2.70	2.10
74ACTQ245SC-ND	Octal Bidirectional Transceiver, Quiet Series	20-SOIC	1.89	1.52	1.14
74ACTQ273SC-ND	Octal D-Type Flip-Flop	20-SOIC	1.89	1.52	1.14
74ACTQ16244SSC-ND	16-Bit Buffer/Line Driver	48-SSOP	4.05	3.24	2.52
74ACTQ16374SSC-ND	16-Bit D-Type Flip-Flop	48-SSOP	4.05	3.24	2.52

74F – FAST™ ADVANCED SCHOTTKY TTL LOGIC

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
74F00PC-ND	Quad 2-Input NAND Gate	14-Dip	.55	.44	.33
74F00SC-ND	Quad 2-Input NAND Gate	14-SOIC	.43	.34	.26
74F04PC-ND	Hex Inverter	14-Dip	.55	.44	.33
74F04SC-ND	Hex Inverter	14-SOIC	.43	.34	.26
74F08PC-ND	Quad 2-Input AND Gate	14-Dip	.55	.44	.33
74F08SC-ND	Quad 2-Input AND Gate	14-SOIC	.43	.34	.26
74F14SC-ND	Hex Inverter Schmitt Trigger	14-SOIC	.48	.38	.29
74F32SC-ND	Quad 2 Input OR Gate	14-SOIC	.43	.34	.26
74F38SC-ND	Quad 2-Input NAND Buffer	14-SOIC	.48	.38	.29
74F74PC-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop	14-Dip	.48	.36	.27
74F74SC-ND	Dual D-Type Positive-Edge-Triggered Flip-Flop	14-SOIC	.48	.36	.27
74F86SC-ND	Quad 2-Input Exclusive OR Gate	14-SOIC	.52	.40	.30
74F109PC-ND	Dual JK Positive-Edge-Triggered Flip-Flop	16-Dip	.56	.42	.32
74F112PC-ND	Dual JK Negative-Edge-Triggered Flip-Flop	16-Dip	.58	.42	.32
74F125PC-ND	Tri-State Quad Buffer	14-Dip	.58	.44	.33
74F125SC-ND	Tri-State Quad Buffer	14-SOIC	.50	.38	.29
74F138PC-ND	1-of-8 Decoder/Demultiplexer	16-Dip	.58	.44	.33
74F157ASC-ND	Quad 2-Input Multiplexer	16-SOIC	.52	.39	.30
74F161APC-ND	Synchronous Presettable 4-Bit Binary Counter	16-Dip	.76	.57	.43
74F175SC-ND	Quad D-Type Flip-Flop	16-SOIC	.68	.51	.39
74F189SC-ND	64-Bit Random Access Memory	16-SOIC	4.00	3.24	2.82
74F244PC-ND	Tri-State Octal Line Driver	20-Dip	.80	.60	.45
74F244SC-ND	Tri-State Octal Line Driver	20-SOIC	.68	.51	.39
74F245PC-ND	Tri-State Octal Bus Transceiver	20-Dip	.76	.57	.43
74F245SC-ND	Tri-State Octal Bus Transceiver	20-SOIC	.68	.51	.39
74F258APC-ND	Tri-State Quad 2/1 Multiplexer	16-Dip	.57	.43	.33
74F269PC-ND	8-Bit Up/Down Counter	24-Dip	1.05	.88	.70
74F273PC-ND	Octal D-Type Flip-Flop	20-Dip	.86	.65	.49
74F373PC-ND	Octal Transparent Latch	20-Dip	.76	.57	.43
74F373SC-ND	Octal Transparent Latch	20-SOIC	.64	.48	.36
74F374SC-ND	Octal D-Type Flip-Flop	20-SOIC	.68	.51	.39
74F541SC-ND	Octal Buffer/Line Driver	20-SOIC	.87	.73	.58
74F543PC-ND	Octal Registered Transceiver	24-Dip	1.26	1.05	.84
74F562QC-ND	Octal Bidirectional Transceiver	28-PLCC	9.45	7.57	6.31
74F573SC-ND	Octal D-Type Latch	20-SOIC	.83	.69	.56
74F574SC-ND	Octal D-Type Flip-Flop	20-SOIC	.87	.73	.58
74F579PC-ND	8-Bit Bidirectional Counter	20-Dip	2.34	1.88	1.41
74F620PC-ND	Inverting Octal Transceiver	20-Dip	.83	.66	.50
74F646BSPC-ND	Octal Bus Transceiver	24-Dip	2.15	1.72	1.29
74F675APC-ND	16-Bit Serial-In, Serial/Parallel-Out Shift Register	24-Dip	9.66	8.70	7.72
74F676PC-ND	16-Bit Serial/Parallel-In, Serial-Out Shift Register	24-Dip	5.35	4.28	3.62

4000 SERIES CMOS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
CD4001BCM-ND	Quad 2-Input NOR Gate	14-SOIC	.44	.36	.25
CD4001BCN-ND	Quad 2-Input NOR Gate	14-Dip	.48	.36	.27
CD4011BCM-ND	Quad 2-Input NAND Gate	14-SOIC	.36	.30	.21
CD4011BCN-ND	Quad 2-Input NAND Gate	14-Dip	.48	.36	.27
CD4013BCM-ND	Dual D-Type Flip-Flop	14-SOIC	.46	.37	.26
CD4013BCN-ND	Dual D-Type Flip-Flop	14-Dip	.48	.36	.27
CD4016BCM-ND	Quad Bilateral Switch	14-SOIC	.44	.36	.25
CD4016BCN-ND	Quad Bilateral Switch	14-Dip	.48	.36	.27
CD4047BCN-ND	Monostable Multivibrator	14-Dip	.58	.44	.33
CD4049UBCM-ND	Hex Inverting Buffer	16-SOIC	.43	.34	.26
CD4049UBCN-ND	Hex Inverting Buffer*	16-PDip	.48	.36	.27
CD4050BCN-ND	Hex Buffer	16-Dip	.52	.47	.35
CD4051BCM-ND	8-Channel Analog Mux/Demux	16-SOIC	.57	.46	.35
CD4051BCN-ND	8-Channel Analog Mux/Demux	16-Dip	.72	.54	.41
CD4052BCM-ND	4-Channel Analog Mux/Demux	16-SOIC	.57	.46	.35
CD4052BCN-ND	4-Channel Analog Mux/Demux	16-Dip	.72	.54	.41
CD4053BCM-ND	Triple 2-Channel Analog Mux/Demux	16-SOIC	.57	.46	.35
CD4053BCN-ND	Triple 2-Channel Analog Mux/Demux	16-Dip	.72	.54	.41
CD4060BCM-ND	14-Bit Binary Counter/Oscillator	16-SOIC	.49	.40	.30
CD4060BCN-ND	14-Bit Binary Counter/Oscillator	16-Dip	.72	.54	.41
CD4066BCM-ND	Quad Bilateral Switch	14-SOIC	.42	.35	.24
CD4066BCN-ND	Quad Bilateral Switch	14-Dip	.48	.36	.27
CD4069UBCM-ND	Inverter Circuits	14-SOIC	.40	.33	.23
CD4093BCM-ND	Quad 2-Input NAND Schmitt Trigger	14-SOIC	.40	.33	.23
CD4093BCN-ND	Quad 2-Input NAND Schmitt Trigger	14-Dip	.48	.36	.27
CD4094BCN-ND	8-Bit Shift Register with Latch	16-Dip	3.31	2.85	2.06
CD4538BCN-ND	Dual Monostable Multivibrator	16-Dip	.72	.54	.41
CD4541BCN-ND	Programmable Timer	14-Dip	.60	.45	.34
CD4724BCN-ND	8-Bit Addressable Latch	16-Dip	.72	.54	.41
CD401068CM-ND	Hex Schmitt Trigger*	14-SOIC	.42	.35	.24
CD401068CMXCT-ND	Hex Schmitt Trigger*	14-SOIC	.39	.32	.22
CD401068CMXTR-ND	Hex Schmitt Trigger*	14-SOIC		276.25/2,500	
CD401068CN-ND	Hex Schmitt Trigger	14-Dip	.48	.36	.27

FMS SERIES — *RoHS Compliant*

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
FMS6203MTC1400XCT-ND	3-Channel, Video Filter Driver ***NEW!***	14-TSSOP	1.50	1.20	.90
FMS6203MTC1400XTR-ND	3-Channel, Video Filter Driver ***NEW!***	14-TSSOP		1920.00/2,500	
FMS6203MTC1406XCT-ND	3-Channel, Video Filter Driver ***NEW!***	14-TSSOP	1.50	1.20	.90
FMS6203MTC1406XTR-ND	3-Channel, Video Filter Driver ***NEW!***	14-TSSOP		1920.00/2,500	
FMS6246MTC20XCT-ND	6-Channel, 6th Order SD/PS Video Filter Driver	20-TSSOP	1.80	1.44	1.08
FMS6246MTC20XTR-ND	6-Channel, 6th Order SD/PS Video Filter Driver	20-TSSOP		2304.00/2,500	
FMS6346MTC20XCT-ND	6-Channel, 6th Order SD/HD Video Filter Driver	20-TSSOP	1.80	1.44	1.08
FMS6346MTC20XTR-ND	6-Channel, 6th Order SD/HD Video Filter Driver	20-TSSOP		2304.00/2,500	
FMS6400CS1XCT-ND	2-Channel, Video Driver with Integrated Filters	8-SOIC	1.74	1.45	1.16
FMS6400CS1XTR-ND	2-Channel, Video Driver with Integrated Filters	8-SOIC		1885.00/2,500	
FMS6400CSXCT-ND	2-Channel, Video Driver with Integrated Filters	8-SOIC	1.74	1.45	1.16
FMS6400CSXTR-ND	2-Channel, Video Driver with Integrated Filters	8-SOIC		1885.00/2,500	
FMS6501MSA28XCT-ND	12-Input, 9-Output Video Switch Matrix	28-SSOP	4.50	3.60	2.80
FMS6501MSA28XTR-ND	12-Input, 9-Output Video Switch Matrix	28-SSOP		5100.00/2,000	
FMS6690MTC20XCT-ND	6-Channel, 6th Order SD/PS/HD Video Filter Driver	20-TSSOP	2.85	2.38	1.90
FMS6690MTC20XTR-ND	6-Channel, 6th Order SD/PS/HD Video Filter Driver	20-TSSOP		3087.50/2,500	

LINEAR ICs

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
FAN1086M-ND	Adjustable, 1.5A LDO Linear Regulator	TO-263	1.02	.85	.68
FAN1086M5-ND	.5V, 1.5A Fixed LDO Linear Regulator	TO-263	1.02	.85	.68
FAN1086M33-ND	3.3V, 1.5A Fixed LDO Linear Regulator	TO-263	1.02	.85	.68
FAN1086M285-ND	2.85V, 1.5A Fixed LDO Linear Regulator	TO-263	1.02	.85	.68
FAN2001MPXCT-ND	Adj., 1A High-Eff. Step-Down DC/DC Converter*	6-MLP	1.38	1.10	.83

** RoHS Compliant*

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
FAN2001MPXTR-ND	Adj., 1A High-Eff. Step-Down DC/DC Converter*	6-MLP	2112.00/3,000		
FAN2002MPXCT-ND	Adj., 1A High-Eff. Step-Down DC/DC Converter*	6-MLP	1.43	1.14	.86
FAN2002MPXTR-ND	Adj., 1A High-Eff. Step-Down DC/DC Converter*	6-MLP	2188.80/3,000		
FAN2500SXCT-ND	Adjustable, 100mA, CMOS LDO Regulator	SOT-23-5	.72	.54	.41
FAN2500SXTR-ND	Adjustable, 100mA, CMOS LDO Regulator	SOT-23-5	819.00/3,000		
FAN2500S25XCT-ND	2.5V, 100mA, CMOS LDO Regulator	SOT-23-5	.72	.54	.41
FAN2500S25XTR-ND	2.5V, 100mA, CMOS LDO Regulator	SOT-23-5	721.50/3,000		
FAN2500S28XCT-ND	2.8V, 100mA, CMOS LDO Regulator	SOT-23-5	.72	.54	.41
FAN2500S28XTR-ND	2.8V, 100mA, CMOS LDO Regulator	SOT-23-5	819.00/3,000		
FAN2500S30XCT-ND	3.0V, 100mA, CMOS LDO Regulator	SOT-23-5	.72	.54	.41
FAN2500S30XTR-ND	3.0V, 100mA, CMOS LDO Regulator	SOT-23-5	819.00/3,000		
FAN2500S33XCT-ND	3.3V, 100mA, CMOS LDO Regulator	SOT-23-5	.72	.54	.41
FAN2500S33XTR-ND	3.3V, 100mA, CMOS LDO Regulator	SOT-23-5	819.00/3,000		
FAN5031MPXCT-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	2.70	2.16	1.68
FAN5031MPXTR-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	4536.00/3,000		
FAN5032MPXCT-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	2.70	2.16	1.68
FAN5032MPXTR-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	4536.00/3,000		
FAN5032MXCT-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	2.70	2.16	1.68
FAN5032MXTR-ND	8-Bit Prog. 2 to 4 Phase Sync. Buck Controller* **NEW!**	40-MLP	4536.00/3,000		
FAN5037MXCT-ND	Adjustable Switching Regulator Controller*	8-SOIC	1.50	1.20	.90
FAN5037MXTR-ND	Adjustable Switching Regulator Controller*	8-SOIC	1920.00/2,500		
FAN5059MXCT-ND	High Perf. Programmable Sync. DC/DC Controller for Multi-Voltage Platforms*	24-SOIC	2.32	1.86	1.45
FAN5059MXTR-ND	High Perf. Programmable Sync. DC/DC Controller for Multi-Voltage Platforms*	24-SOIC	1311.98/1,000		
FAN5066MXCT-ND	Ultra Low Voltage Sync. DC/DC Controller*	20-SOIC	2.23	1.79	1.34
FAN5066MXTR-ND	Ultra Low Voltage Sync. DC/DC Controller*	20-SOIC	1160.90/1,000		
FAN5068MPXCT-ND	DDR-1/DDR-2 Plus ACPI Regulator*	24-MLP	2.13	1.70	1.28
FAN5068MPXTR-ND	DDR-1/DDR-2 Plus ACPI Regulator*	24-MLP	3264.00/3,000		
FAN5092MTCXCT-ND	High-Current System Sync. Buck Converter*	28-TSSOP	4.50	3.60	2.80
FAN5094MTCXCT-ND	Multi-Phase Interleaved Buck Converter*	28-TSSOP	4.50	3.60	2.80
FAN5094MTCXTR-ND	Multi-Phase Interleaved Buck Converter*	28-TSSOP	6300.00/2,500		
FAN5230QSCXCT-ND	System Electronics Regulator for Mobile PCs*	24-QSOP	2.81	2.25	1.75
FAN5230QSCXTR-ND	System Electronics Regulator for Mobile PCs*	24-QSOP	3937.50/2,500		
FAN5235QSCXCT-ND	System Electronics Regulator for Mobile PCs*	24-QSOP	3.71	2.97	2.31
FAN5235QSCXTR-ND	System Electronics Regulator for Mobile PCs*	24-QSOP	5197.50/2,500		
FAN5240MTCXCT-ND	Single Output 2-Phase Sync. Buck Controller*	28-TSSOP	4.06	3.25	2.52
FAN5240MTCXTR-ND	Single Output 2-Phase Sync. Buck Controller*	28-TSSOP	5670.00/2,500		
FAN5240QSCXCT-ND	Single Output 2-Phase Sync. Buck Controller*	28-QSOP	3.51	2.81	2.19
FAN5240QSCXTR-ND	Single Output 2-Phase Sync. Buck Controller*	28-QSOP	4914.00/2,500		
FAN5250QSCXCT-ND	Mobile Processor Core Voltage Regulator*	24-QSOP	3.38	2.70	2.10
FAN5250QSCXTR-ND	Mobile Processor Core Voltage Regulator*	24-QSOP	4725.00/2,500		
FAN5307S18XCT-ND	High Efficiency Step-Down DC/DC Converter*	SOT-23-5	1.63	1.30	.98
FAN5307S18XTR-ND	High Efficiency Step-Down DC/DC Converter*	SOT-23-5	2496.00/3,000		
FAN5331SXCT-ND	High Efficiency Serial LED Driver and OLED Supply with 20V Integrated Switch*	SOT-23-5	1.59	1.33	1.06
FAN5331SXTR-ND	High Efficiency Serial LED Driver and OLED Supply with 20V Integrated Switch*	SOT-23-5	2067.00/3,000		
FAN5601MP13XCT-ND	1.3V, Regulated Step-Down Charge Pump DC/DC Converter*	6-MLP	2.00	1.60	1.20
FAN5601MP13XTR-ND	1.3V, Regulated Step-Down Charge Pump DC/DC Converter*	6-MLP	3072.00/3,000		
FAN5601MP18XCT-ND	1.8V, Regulated Step-Down Charge Pump DC/DC Converter*	6-MLP	2.00	1.60	1.20
FAN5601MP18XTR-ND	1.8V, Regulated Step-Down Charge Pump DC/DC Converter*	6-MLP	3072.00/3,000		
FAN5602MP45XCT-ND	4.5V, Universal Charge Pump Regulated DC/DC Converter*	8-MLP	2.00	1.60	1.20
FAN5602MP45XTR-ND	4.5V, Universal Charge Pump Regulated DC/DC Converter*	8-MLP	3072.00/3,000		
FAN5602MP5XCT-ND	5V, Universal Charge Pump Regulated DC/DC Converter*	8-MLP	2.00	1.60	1.20
FAN5602MP5XTR-ND	5V, Universal Charge Pump Regulated DC/DC Converter*	8-MLP	3072.00/3,000		
FAN5606DMPXCT-ND	Serial LED Driver with Current-Regulated, Step-Up DC/DC Converter*	8-MLP	1.80	1.44	1.08
FAN5606DMPXTR-ND	Serial LED Driver with Current-Regulated, Step-Up DC/DC Converter*	8-MLP	2764.80/3,000		
FAN5607HMPXCT-ND	LED Driver with Adaptive Charge Pump DC/DC Converter*	16-MLP	2.00	1.60	1.20
FAN5607HMPXTR-ND	LED Driver with Adaptive Charge Pump DC/DC Converter*	16-MLP	3072.00/3,000		
FAN5608DHMPXCT-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, Internal Diode*	12-MLP	2.45	1.96	1.47
FAN5608DHMPXTR-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, Internal Diode*	12-MLP	3763.20/3,000		
FAN5608DMPXCT-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, Internal Diode*	8-MLP	2.45	1.96	1.47
FAN5608DMPXTR-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, Internal Diode*	8-MLP	3763.20/3,000		
FAN5608HMPXCT-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, External Diode*	12-MLP	2.40	1.92	1.44
FAN5608HMPXTR-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, External Diode*	12-MLP	3686.40/3,000		
FAN5608MPXCT-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, External Diode*	8-MLP	2.33	1.86	1.40
FAN5608MPXTR-ND	Serial/Parallel LED Driver with Current Regulated, Step-Up DC/DC Converter, External Diode*	8-MLP	3571.20/3,000		
FAN5609MPXCT-ND	LED Driver with Adaptive Charge Pump DC/DC Converter*	16-MLP	2.33	1.86	1.40
FAN5609MPXTR-ND	LED Driver with Adaptive Charge Pump DC/DC Converter*	16-MLP	3571.20/3,000		
FAN5610MPXCT-ND	LED Driver for 4-Parallel Connected LEDs*	8-MLP	1.35	1.13	.90
FAN5610MPXTR-ND	LED Driver for 4-Parallel Connected LEDs*	8-MLP	1755.00/3,000		
FAN5611S7XCT-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1.35	1.13	.90
FAN5611S7XTR-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1755.00/3,000		
FAN5612S7XCT-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1.35	1.13	.90
FAN5612S7XTR-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1755.00/3,000		
FAN5613MPXCT-ND	LDO LED Driver for Parallel Connected LEDs*	8-MLP	1.35	1.13	.90
FAN5613MPXTR-ND	LDO LED Driver for Parallel Connected LEDs*	8-MLP	1755.00/3,000		
FAN5614S7XCT-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1.35	1.13	.90
FAN5614S7XTR-ND	LDO LED Driver for Parallel Connected LEDs*	SC70-6	1755.00/3,000		
FAN6555MXCT-ND	2A DDR Bus Termination Regulator*	16-SOIC	3.20	2.56	1.99
FAN6555MXTR-ND	2A DDR Bus Termination Regulator*	16-SOIC	4473.00/2,500		
FAN7311N-ND	LCD Backlight Inverter Drive* **NEW!**	20-Dip	2.46	1.97	1.53
FAN7314M-ND	LCD Backlight Inverter Drive* **NEW!**	20-SOIC	2.45	1.97	1.53
FAN7040MXCT-ND	3W Mono BTL Amp with DC Volume Control*	20-SOP	1.29	1.08	.86
FAN7040MXTR-ND	3W Mono BTL Amp with DC Volume Control*	20-SOP	571.90/1,000		
FAN7361MXCT-ND	High Side Gate Driver*	8-SOIC	1.26	1.05	.84
FAN7361MXTR-ND	High Side Gate Driver*	8-SOIC	1638.00/3,000		
FAN7380MXCT-ND	Half Bridge Gate Driver*	8-SOIC	1.14	.95	.76
FAN7380MXTR-ND	Half Bridge Gate Driver*	8-SOIC	1482.00/3,000		
FAN7382MXCT-ND	Half Bridge Gate Driver*	8-SOIC	1.35	1.08	.81
FAN7382MXTR-ND	Half Bridge Gate Driver*	8-SOIC	2073.60/3,000		
FAN7528MXCT-ND	Dual PFC Controller* **NEW!**	8-SOIC	1.33	1.06	.80
FAN7528MXTR-ND	Dual PFC Controller* **NEW!**	8-SOIC	1696.00/2,500		
FAN7544MXCT-ND	Simple Ballast Controller*	8-SOP	1.29	1.08	.86
FAN7544MXTR-ND	Simple Ballast Controller*	8-SOP	1677.00/3,000		
FAN7544N-ND	Simple Ballast Controller*	8-Dip	1.29	1.08	.86
FAN8741GXCT-ND	Spindle Motor and 6-Channel Driver*	56-SSOP-HS	2.00	1.60	1.20
FAN8741GXTR-ND	Spindle Motor and 6-Channel Driver*	56-SSOP-HS	1040.00/1,000		
FAN8741MTFXCT-ND	Spindle Motor and 6-Channel Driver*	56-TSSOP-EP	1.88	1.50	1.13
FAN8741MTFXTR-ND	Spindle Motor and 6-Channel Driver*	56-TSSOP-EP	975.00/1,000		
FCP11N60-ND	SuperFET™ *	TO-220	2.30	1.84	1.38
FDC6301NCT-ND	Dual N-Channel, Digital FET*	SSOT-6	.45	.36	.27
FDC6301NTR-ND	Dual N-Channel, Digital FET*	SSOT-6	360.45/3,000		
FDC6303NCT-ND	Digital FET, Dual N-Channel*	SSOT-6	.45	.36	.27
FDC6303NTR-ND	Digital FET, Dual N-Channel*	SSOT-6	360.45/3,000		
FDG6303NCT-ND	Dual N-Channel, Digital FET*	SC70-6	.43	.35	.26
FDG6303NTR-ND	Dual N-Channel, Digital FET*	SC70-6	348.30/3,000		
FDG6304PCT-ND	Dual P-Channel, Digital FET*	SC70-6	.53	.43	.32
FDG6304PTR-ND	Dual P-Channel, Digital FET*	SC70-6	429.30/3,000		
FDG6322CCT-ND	Dual N and P-Channel, Digital FET*	SC70-6	.43	.35	.26
FDG6322CTR-ND	Dual N and P-Channel, Digital FET*	SC70-6	348.30/3,000		
FDG6323LCT-ND	Integrated Load Switch*	SC70-6	.54	.43	.33
FDG6323LTR-ND	Integrated Load Switch*	SC70-6	433.35/3,000		
FHP3130IM8XCT-ND	Single, High Speed Rail-to-Rail Amp* **NEW!**	8-SOIC	.90	.75	.60
FHP3130IM8XTR-ND	Single, High Speed Rail-to-Rail Amp* **NEW!**	8-SOIC	975.00/2,500		
FHP3230IMU8CT-ND	Dual, High Speed Rail-to-Rail Amp+ **NEW!**	8-MSOP	1.30	1.04	.78
FHP3230IMU8TR-ND	Dual, High Speed Rail-to-Rail Amp* **NEW!**	8-MSOP	1996.80/3,000		
FIN12ACMLXCT-ND	Low Voltage 12-Bit Bi-Directional Serializer/ Deserializer* **NEW!**	32-MLP	2.28	1.82	1.37
FIN12ACMLXTR-ND	Low Voltage 12-Bit Bi-Directional Serializer/ Deserializer* **NEW!**	32-MLP	3494.40/3,000		
FIN1017K8XCT-ND	3.3V LVDS 1-Bit High Speed Differential Driver*	US8	1.38	1.15	.92
FIN1017K8XTR-ND	3.3V LVDS 1-Bit High Speed Differential Driver*	US8	1794.00/3,000		
FIN1018K8XCT-ND	3.3V LVDS 1-Bit High Speed Differential Receiver*	US8	1.38	1.15	.92
FIN1018K8XTR-ND	3.3V LVDS 1-Bit High Speed Differential Receiver*	US8	1794.00/3,000		
FIN1019MXCT-ND	3.3V LVDS High Speed Diff. Driver/Receiver*	14-SOIC	1.45	1.16	.87
FIN1019MXTR-ND	3.3V LVDS High Speed Diff. Driver/Receiver*	14-SOIC	1856.00/2,500		
FIN1022MXCT-ND	2x2 LVDS High Speed Crosspoint Switch*	16-SOIC	5.63	4.50	3.50
FIN1022MXTR-ND	2x2 LVDS High Speed Crosspoint Switch*	16-SOIC	7875.00/2,500		
FIN1027K8XCT-ND	3.3V LVDS 2-Bit High Speed Differential Driver*	US8	1.65	1.38	1.10
FIN1027K8XTR-ND	3.3V LVDS 2-Bit High Speed Differential Driver*	US8	2145.00/3,000		
FIN1031MXCT-ND	3.3V LVDS 4-Bit High Speed Differential Driver*	16-SOIC	1.95	1.56	1.17
FIN1031MXTR-ND	3.3V LVDS 4-Bit High Speed Differential Driver*	16-SOIC	2496.00/2,500		
FIN1032MXCT-ND	3.3V LVDS 4-Bit High Speed Diff. Receiver*	16-SOIC	1.95	1.56	1.17
FIN1032MXTR-ND	3.3V LVDS 4-Bit High Speed Diff. Receiver*	16-SOIC	2496.00/2,500		
FIN1047MXCT-ND	3.3V LVDS 4-Bit Flow-Through High Speed Differential Driver*	16-SOIC	1.95	1.56	1.17
FIN1047MXTR-ND	3.3V LVDS 4-Bit Flow-Through High Speed Differential Driver*	16-SOIC	2496.00/2,500		
FIN1048MXCT-ND	3.3V LVDS 4-Bit Flow-Through High Speed Differential Receiver*	16-SOIC	2.23	1.78	1.34
FIN1048MXTR-ND	3.3V LVDS 4-Bit Flow-Through High Speed Differential Receiver*	16-SOIC	2848.00/2,500		
FIN1101K8XCT-ND	LVDS Single Port High Speed Repeater*	US8	1.43	1.14	.86
FIN1101K8XTR-ND	LVDS Single Port High Speed Repeater*	US8	2188.80/3,000		
FIN1531MXCT-ND	5V LVDS 4-Bit High Speed Differential Driver*	16-SOIC	2.38	1.90	1.43
FIN1531MXTR-ND	5V LVDS 4-Bit High Speed Differential Driver*	16-SOIC	3040.00/2,500		
FIN1532MXCT-ND	5V LVDS 4-Bit High Speed Differential Receiver*	16-SOIC	2.38	1.90	1.43
FIN1532MXTR-ND	5V LVDS 4-Bit High Speed Differential Receiver*	16-SOIC	3040.00/2,500		
FMS6143CSXCT-ND	3-Channel, 4th Order Standard Definition Video Filter Driver*	8-SOIC	.72	.60	.48
FMS6143CSXTR-ND	3-Channel, 4th Order Standard Definition Video Filter Driver*	8-SOIC	780.00/2,500		
FMS6145MTC14XCT-ND	5-Channel, 4th Order Standard Definition Video Filter Driver*	14-TSSOP	1.33	1.06	.80
FMS6145MTC14XTR-ND	5-Channel, 4th Order Standard Definition Video Filter Driver*	14-TSSOP	1696.00/2,500		
FMS6146MTC14XCT-ND	6-Channel, 4th Order Standard Definition Video Filter Driver*	14-TSSOP	1.48	1.18	.89
FMS6146MTC14XTR-ND	6-Channel, 4th Order Standard Definition Video Filter Driver*	14-TSSOP	1888.00/2,500		
FMS6363QSXCT-ND	3-Ch., 6th Order High Definition Video Filter Driver*	8-SOIC	1.42	1.19	.95
FMS6363CSXTR-ND	3-Ch., 6th Order High Definition Video Filter Driver*	8-SOIC	1540.50/2,500		
FMS6366MSA28XCT-ND	Selectable YPbPR HD/SD 4:2:2 Video Filter Driver with Y, C and Composite Outputs*	28-SSOP	3.60	2.88	2.24
FMS6366MSA28XTR-ND	Selectable YPbPr HD/SD 4:2:2 Video Filter Driver with Y, C and Composite Outputs*	28-SSOP	4032.00/2,500		
FMS6403MTC20XCT-ND	Triple Video Driver with Selectable HD/PS/SD/Bypass Filters for RGB and YPbPr Signals*	20-TSSOP	3.78	3.03	2.36
FMS6403MTC20XTR-ND	Triple Video Driver with Selectable HD/PS/SD/Bypass Filters for RGB and YPbPr Signals*	20-TSSOP	5292.00/2,500		
FMS6406CSXCT-ND	Precision S-Video Filter with Summed Composite Output, Sound Trap, and Group Delay Compensation*	8-SOIC	2.66	2.13	1.68
FMS6406CSXTR-ND	Precision S-Video Filter with Summed Composite Output, Sound Trap, and Group Delay Compensation*	8-SOIC	3717.00/2,500		
FMS6407MTC20XCT-ND	Triple Video Driver with Selectable HD/Progressive/SD/Bypass Filter*	20-TSSOP	2.72	2.18	1.70
FMS6407MTC20XTR-ND	Triple Video Driver with Selectable HD/Progressive/SD/Bypass Filter*	20-TSSOP	3811.50/2,500		
FMS6408MTC14XCT-ND	Triple Video Filter Driver for RGB/YUV Signals*	14-TSSOP	2.08	1.66	1.25
FMS6408MTC14XTR-ND	Triple Video Filter Driver for RGB/YUV Signals*	14-TSSOP	2656.00/2,500		
FMS6408MTC143XCT-ND	Triple Video Filter Driver for RGB/YUV Signals*	14-TSSOP	2.08	1.66	1.25
FMS6408MTC143XTR-ND	Triple Video Filter Driver for RGB/YUV Signals*	14-TSSOP	2656.00/2,500		
FMS6413CSXCT-ND	1-Ch., Video Driver with Integrated Filter/Clamp*	8-SOIC	1.70	1.36	1.02
FMS6413CSXTR-ND	1-Ch., Video Driver with Integrated Filter/Clamp*	8-SOIC	2176.00/2,500		
FMS6414CSXCT-ND	2-Ch., Video Driver with Integrated Filters*	8-SOIC	1.93	1.54	1.16
FMS6414CSXTR-ND	2-Ch., Video Driver with Integrated Filters*	8-SOIC	2464.00/2,500		
FMS6417ACHXCT-ND	Selectable RGB (YUV) HD/SD Video Filter Driver with Y, C, Composite, and Modulator Outputs*	32-LQFP	6.19	4.95	3.85

** RoHS Compliant*

(Continued)

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LINEAR ICs *(Continued)*

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
2903NFS-ND	Dual Differential Comparator	8-Dip	.40	.32	.24
2904MFS-ND	Dual Op Amp	8-SOP	.43	.34	.26
2904NFS-ND	Dual Op Amp	8-Dip	.50	.40	.30
7805CT-ND	0 to 125°C, 3-Terminal 1A Positive Voltage Regulator	TO-220	.72	.54	.41
7905CTFS-ND	-5V, 4% 3-Terminal 1A Negative Voltage Regulator	TO-220	.48	.36	.27
2SCT-ND	Bridge Rectifier*	4-SOIC	.44	.36	.25
2STR-ND	Bridge Rectifier*	4-SOIC		341.70/3,000	
4SCT-ND	Bridge Rectifier*	4-SOIC	.47	.39	.27
4STR-ND	Bridge Rectifier*	4-SOIC		372.30/3,000	
6SCT-ND	Bridge Rectifier*	4-SOIC	.47	.39	.27
6STR-ND	Bridge Rectifier*	4-SOIC		372.30/3,000	
78L08ACPTR-ND	8V, 4% 3-Terminal 0.1A Positive Voltage Regulator	TO-92	.36	.29	.20
78M05CTFS-ND	5V, 4% 3-Terminal 0.5A Positive Voltage Regulator	TO-220	.48	.36	.27
78T05CTFS-ND	3-Terminal 3A Positive Voltage Regulator*	TO-220	.90	.75	.60
7808CTFS-ND	8V, 4% 3-Terminal 1A Positive Voltage Regulator	TO-220	.48	.36	.27
7905CTFS-ND	-5V, 4% 3-Terminal 1A Negative Voltage Regulator	TO-220	.48	.36	.27
7912CTFS-ND	-12V, 4% 3-Terminal 1A Negative Voltage Regulator	TO-220	.48	.36	.27
7915CTFS-ND	-15V, 4% 3-Terminal 1A Negative Voltage Regulator	TO-220	.48	.36	.27
M74HCU04MXCT-ND	Hex Inverter*	14-SOIC	.38	.30	.22
M74HCU04MXTR-ND	Hex Inverter*	14-SOIC		234.00/2,500	
MBFJ112CT-ND	N-Channel Switch*	SOT-23	.39	.31	.22
MBFJ112TR-ND	N-Channel Switch*	SOT-23		261.00/3,000	
NE1136RGT-ND	Reflective Object Sensor*	SMD	.69	.52	.39
NE1113GRTR-ND	Reflective Object Sensor*	SMD		230.09/1,000	
1117DXCT-ND	1A, Adjustable LDO Linear Regulator	TO-252	1.17	.98	.78
1117DXTR-ND	1A, Adjustable LDO Linear Regulator	TO-252		1267.50/2,500	
1117M-ND	1A, Adjustable LDO Linear Regulator	TO-263	.80	.67	.54
1117M285-ND	2.85V, 1A, Fixed LDO Linear Regulator	TO-263	.96	.80	.64
1117STCT-ND	1A, Adjustable LDO Linear Regulator	SOT-223	1.20	.90	.68
1117S285TCT-ND	2.85V, 1A, Fixed LDO Linear Regulator	SOT-223	.62	.47	.36
1117S285TR-ND	2.85V, 1A, Fixed LDO Linear Regulator	SOT-223		507.00/2,500	
1584T-ND	7A, Adjustable LDO Linear Regulator	TO-220	1.47	1.23	.98
1585M-ND	5A, Adjustable LDO Linear Regulator	TO-263	1.08	.90	.72
1585M15-ND	1.5V, 5A, Fixed LDO Linear Regulator	TO-263	1.08	.90	.72
1585MTCT-ND	5A, Adjustable LDO Linear Regulator	TO-263	1.08	.90	.72
1585T15-ND	1.5V, 5A, Fixed LDO Linear Regulator	TO-220	1.08	.90	.72
1587M-ND	3A, Adjustable LDO Linear Regulator	TO-263	1.01	.84	.68
1587M15-ND	1.5V, 3A, Fixed LDO Linear Regulator	TO-263	1.01	.84	.68
1587T-ND	3A, Adjustable LDO Linear Regulator	TO-220	1.01	.84	.68
1587T15-ND	1.5V, 3A, Fixed LDO Linear Regulator	TO-220	1.01	.84	.68
1587T33-ND	3.3V, 3A, Fixed LDO Linear Regulator	TO-220	1.01	.84	.68
CANPSC110FSC-ND	SCAN Bridge Hierarchical and Multidrop Addressable JT AG Port*	28-SOIC	11.31	10.19	9.04

PFC/PWM CONTROLLERS — *RoHS Compliant*

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AN2011MPXCT-ND	Adj., 1.5A Low Volt. Current Mode Sync. PWM Buck Reg.	6-MLP	1.25	1.00	.75
AN2011MPXTR-ND	Adj., 1.5A Low Volt. Current Mode Sync. PWM Buck Reg.	6-MLP		1920.00/3,000	
AN2012MPXCT-ND	Adj., 1.5A Low Volt. Current Mode Sync. PWM Buck Reg.	6-MLP	1.38	1.10	.83
AN2012MPXTR-ND	Adj., 1.5A Low Volt. Current Mode Sync. PWM Buck Reg.	6-MLP		2112.00/3,000	
AN4803CP1-ND	PFC/PWM Controller, 67KHz Frequency	8-Dip	2.81	2.25	1.75
AN4803CP2-ND	PFC/PWM Controller, 67/134KHz Frequency	8-Dip	2.81	2.25	1.75
AN4803CS1XCT-ND	PFC/PWM Controller, 67KHz Frequency	8-SOIC	3.94	3.15	2.45
AN4803CS1XTR-ND	PFC/PWM Controller, 67KHz Frequency	8-SOIC		5512.50/2,500	
AN4803CS2XCT-ND	PFC/PWM Controller, 67/134KHz Frequency	8-SOIC	3.71	2.97	2.31
AN4803CS2XTR-ND	PFC/PWM Controller, 67/134KHz Frequency	8-SOIC		5197.50/2,500	
AN4810MXCT-ND	PFC Controller	16-SOIC	2.25	1.80	1.35
AN4810MXTR-ND	PFC Controller	16-SOIC		2880.00/2,500	
AN4810N-ND	PFC Controller	16-Dip	2.25	1.80	1.35
AN4822MP-ND	ZVS Avalanche Current PFC Controller	14-Dip	5.60	4.48	3.78
AN5026MTCXCT-ND	Dual DDR/Dual Output PWM Controller	28-TSSOP	2.38	1.90	1.43
AN5026MTCXTR-ND	Dual DDR/Dual Output PWM Controller	28-TSSOP		3040.00/2,500	
AN5234QSCXCT-ND	Mobile Friendly PWM/PFM Controller	16-QSOP	1.88	1.50	1.13
AN5234QSCXTR-ND	Mobile Friendly PWM/PFM Controller	16-QSOP		2400.00/2,500	
AN5236MTC-ND	Dual Mobile Friendly DDR/Dual Output PWM Controller	28-TSSOP	3.15	2.52	1.96
AN5236MTCXCT-ND	Dual Mobile Friendly DDR/Dual Output PWM Controller	28-TSSOP	3.15	2.52	1.96
AN5236MTCXTR-ND	Dual Mobile Friendly DDR/Dual Output PWM Controller	28-TSSOP		4410.00/2,500	
AN5236QSCXCT-ND	Dual Mobile Friendly DDR/Dual Output PWM Controller	28-QSOP	2.50	2.00	1.56
AN5236QSCXTR-ND	Dual Mobile Friendly DDR/Dual Output PWM Controller	28-QSOP		3496.50/2,500	
AN6520AMXCT-ND	Single Sync. Buck PWM Controller	8-SOIC	1.20	1.00	.80
AN6520AMXTR-ND	Single Sync. Buck PWM Controller	8-SOIC		1300.00/2,500	
AN7527BMXCT-ND	PFC Controller	8-SOP	1.20	.90	.68
AN7527BMXTR-ND	PFC Controller	8-SOP		975.00/2,500	
AN7527BN-ND	PFC Controller	8-Dip	.90	.75	.60
AN7554-ND	Versatile PWM Controller	8-Dip	1.28	.96	.72
AN7554D-ND	Versatile PWM Controller	8-SOP	.96	.80	.64
AN7554DTFCT-ND	Versatile PWM Controller	8-SOP	1.28	.96	.72
AN7554DTFTR-ND	Versatile PWM Controller	8-SOP		1040.00/2,500	
AN7601GXCT-ND	Green Current Mode PWM Controller	10-SSOP	1.44	1.08	.81
AN7601GXTR-ND	Green Current Mode PWM Controller	10-SSOP		1404.00/3,000	
AN7601MXCT-ND	Green Current Mode PWM Controller	8-SOP	1.44	1.08	.81
AN7601MXTR-ND	Green Current Mode PWM Controller	8-SOP		1404.00/3,000	
AN7601N-ND	Green Current Mode PWM Controller	8-Dip	1.44	1.08	.81
AN7602N-ND	Green Current Mode PWM Controller ***NEW!***	8-Dip	1.26	1.05	.84
SD200-ND	Green Mode Fairchild Power Switch (FPS™)	7-Dip	.88	.66	.50
SD200B-ND	Green Mode Power Switch, PWM and Sense FETs	7-Dip	1.28	.96	.72
SD200BM-ND	Green Mode Power Switch, PWM and Sense FETs	7L-SOP	1.28	.96	.72
SD210B-ND	Green Mode Power Switch, PWM and Sense FETs	7-Dip	1.20	1.00	.80
SD210BM-ND	Green Mode Power Switch, PWM and Sense FETs	7L-SOP	1.20	1.00	.80
SDH0265RL-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.25	1.00	.75
SDH0265RN-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.14	.95	.76
SDH321L-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	.96	.80	.64
SDH321Z-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.05	.88	.70
SDL0165RL-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.20	1.00	.80
SDL0165RN-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.20	1.00	.80
SDL0365RL-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.50	1.20	.90
SDL0365RNB-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.71	1.43	1.14
SDL321-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.14	.95	.76
SDL321L-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.14	.95	.76
FSDM0265RL-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.44	1.20	.96
FSDM0265RNB-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.44	1.20	.96
FSDM0365RL-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.71	1.43	1.14
FSDM0365RLXCT-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	1.43	1.14	.86
FSDM0365RLXTR-ND	Green Mode Power Switch, Integrated PWM and Sense FET ***NEW!***	8L-SOP		741.00/1,000	
FSDM0365RN-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.35	1.13	.90
FSDM0365RNB-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	1.71	1.43	1.14
FSDM0565RBWDTU-ND	Green Mode Power Switch, Integrated PWM and Sense FET	TO-220F-6L	1.88	1.50	1.13
FSDM0565RWDTU-ND	Green Mode Power Switch, Integrated PWM and Sense FET	TO-220F-6L	1.45	1.16	.87
FSDM07652RWDTU-ND	Green Mode Power Switch, Integrated PWM and Sense FET	TO-220F-6L	1.63	1.30	.98
FSDM101-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	.75	.63	.50
FSDM311-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8-Dip	.99	.83	.66
FSDM311L-ND	Green Mode Power Switch, Integrated PWM and Sense FET	8L-SOP	.99	.83	.66
ML4425CP-ND	Sensorless BLDC Motor Controller ***NEW!***	28-Dip	8.75	7.88	6.99
ML4800CP-ND	PFC/PWM Controller Combo	16-Dip	3.99	2.70	2.10
ML4800IP-ND	PFC/PWM Controller Combo	16-Dip	3.38	2.70	2.10
ML4821CP-ND	Power Factor Controller	18-Dip	5.63	4.50	3.50
ML4824CP1-ND	PFC/PWM Controller Combo	16-Dip	4.28	3.42	2.66
ML4824CP2-ND	PFC/PWM Controller Combo	16-Dip	7.31	5.85	4.55
ML4824IP1-ND	PFC/PWM Controller Combo	16-Dip	3.94	3.15	2.45
ML4826CP2-ND	PFC and Dual Output PWM Controller Combo	20-Dip	6.75	5.40	4.20
ML4841CP-ND	Variable Feedforward PFC/PWM Controller Combo	16-Dip	6.64	5.31	4.13

SMART POWER MODULES — *RoHS Compliant*

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
FCAS50SN60-ND	SPM™ for SRM, 600V-50A, Single Phase Asymmetric Bridge	SPM27-DA	15.02	14.02	13.02
FPA830PH60-ND	SPM™, 600V-30A, 2-Phase IGBT Inverter Bridge ***NEW!***	SPM27-GA	15.18	14.17	13.16
FPAB50PH60-ND	SPM™, 600V-50A, 2-Phase IGBT Inverter Bridge ***NEW!***	SPM27-HA	19.19	17.91	16.63
FPDB20PH60-ND	SPM™, 600V-20A, 2-Phase IGBT Inverter Bridge ***NEW!***	SPM27-GA	15.96	14.37	12.75
FPDB30PH60-ND	SPM™, 600V-30A, 2-Phase IGBT Inverter Bridge ***NEW!***	SPM27-GA	16.50	15.40	14.30
FPDB50PH60-ND	SPM™, 600V-50A, 2-Phase IGBT Inverter Bridge ***NEW!***	SPM27-HA	21.23	19.81	18.40
FSAM10SH60A-ND	SPM™, 600V-10A, 3-Phase IGBT Inverter Bridge	SPM32-AA	18.20	16.99	15.78
FSAM10SM60A-ND	SPM™, 600V-10A, 3-Phase IGBT Inverter Bridge	SPM32-AA	18.20	16.99	15.78
FSAM15SH60A-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM32-AA	19.26	17.98	16.70
FSAM30SH60A-ND	SPM™ (Smart Power Module)	SPM32-AA	24.62	22.98	21.34
FSAM15SL60-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM32-AA	20.34	18.99	17.63
FSAM15SM60A-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM32-AA	21.39	19.26	17.08
FSAM20SH60A-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM32-AA	21.40	19.98	18.55
FSAM20SL60-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM32-AA	23.54	21.98	20.41
FSAM20SM60A-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM32-AA	23.77	21.41	18.98
FSAM30SH60A-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge	SPM32-AA	24.62	22.98	21.34
FSAM30SM60A-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge	SPM32-AA	24.62	22.98	21.34
FSAM50SM60A-ND	SPM™, 600V-50A, 3-Phase IGBT Inverter Bridge ***NEW!***	SPM32-CA	47.58	44.41	41.24
FSAM75SM60A-ND	SPM™, 600V-75A, 3-Phase IGBT Inverter Bridge ***NEW!***	SPM32-CA	64.50	60.20	55.90
FSBB15CH60-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM27-CA	16.35	14.72	13.06
FSBB20CH60F-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge ***NEW!***	SPM27-CA	17.13	15.99	14.85
FSBB20CH60-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM27-CA	19.17	17.27	15.31
FSBB30CH60-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge	SPM27-EA	23.00	21.47	19.94
FSBB30CH60F-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge ***NEW!***	SPM27-EA	22.70	21.19	19.67
FSBM10SH60A-ND	SPM™, 600V-10A, 3-Phase IGBT Inverter Bridge	SPM32-AA	17.49	16.33	15.16
FSBM10SM60A-ND	SPM™, 600V-10A, 3-Phase IGBT Inverter Bridge	SPM32-AA	17.30	16.15	14.99
FSBM15SH60A-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM32-AA	18.81	17.56	16.31
FSBM15SM60A-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM32-AA	18.53	17.29	16.06
FSBM20SH60A-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM32-AA	20.51	19.14	17.78
FSBM20SM60A-ND	SPM™, 600V-20A, 3-Phase IGBT Inverter Bridge	SPM32-AA	20.87	19.48	18.09
FSBM30SH60A-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge	SPM32-AA	24.11	22.50	20.90
FSBM30SM60A-ND	SPM™, 600V-30A, 3-Phase IGBT Inverter Bridge	SPM32-AA	24.60	22.96	21.32
FSBS3CH60-ND	SPM™, 600V-3A, 3-Phase IGBT Inverter Bridge	SPM27-BA	10.73	9.66	8.57
FSBS5CH60-ND	SPM™, 600V-5A, 3-Phase IGBT Inverter Bridge	SPM27-BA	11.75	10.58	9.39
FSBS10CH60-ND	SPM™, 600V-10A, 3-Phase IGBT Inverter Bridge	SPM27-BA	12.77	11.51	10.20
FSBS15CH60-ND	SPM™, 600V-15A, 3-Phase IGBT Inverter Bridge	SPM27-BA	15.33	13.80	12.24

* *RoHS Compliant*

SPECIALIZED ICs

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
100324QC-ND	Low Power Hex TTL-to-ECL Translator	28-PLCC	6.01	4.81	4.06
100325QC-ND	Low Power Hex ECL-to-TTL Translator	28-PLCC	6.01	4.81	4.06
FXL2T245L10XCT-ND	Low Volt. Dual Supply 2-Bit Signal Translator*	10-MicroPak	1.14	.95	.76
FXL2T245L10XTR-ND	Low Volt. Dual Supply 2-Bit Signal Translator*	10-MicroPak		2422.50/5,000	
FXL4T245BQXCT-ND	Low Volt. Dual Supply 4-Bit Signal Translator*	14-DQFN	1.23	1.03	.82
FXL4T245BQXTR-ND	Low Voltage Dual Supply 4-Bit Signal Translator*	14-DQFN		1599.00/3,000	
FXL5T244BQXCT-ND	Low Voltage Dual Supply 5-Bit Signal Translator*	14-DQFN	1.23	1.03	.82
FXL5T244BQXTR-ND	Low Voltage Dual Supply 5-Bit Signal Translator*	14-DQFN		1599.00/3,000	
FXLP34L6XCT-ND	Single Bit Uni-Directional Translator*	6-MicroPak	.84	.63	.48
FXLP34L6XTR-ND	Single Bit Uni-Directional Translator*	6-MicroPak		1338.75/5,000	
FXLP34P5XCT-ND	Single Bit Uni-Directional Translator*	SC70-5	.84	.63	.48
FXLP34P5XTR-ND	Single Bit Uni-Directional Translator*	SC70-5		819.00/3,000	
ML6428CS1XCT-ND	S-Video Filter and 75-Ohm Line Drivers with Summed Composite Output*	8-SOIC	4.28	3.42	2.66
ML6428CS1XTR-ND	S-Video Filter and 75-Ohm Line Drivers with Summed Composite Output*	8-SOIC		5985.00/2,500	

* *RoHS Compliant*

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
CP8C8E9IMT9-ND	8-Bit Microcontroller with 8K Flash, 10-Bit A/D	48-TSSOP	13.44	11.52	10.22
CP8C8R9HL08CT-ND	8-Bit Microcontroller with 32K Flash, 10-Bit A/D	44-LLP	9.99	8.57	7.60
CP8C8R9HL08TR-ND	8-Bit Microcontroller with 32K Flash, 10-Bit A/D	44-LLP	1734	4.13	2,500
CP8C8R9HVA8-ND	8-Bit Microcontroller with 32K Flash, 10-Bit A/D	44-PLCC	15.61	13.38	11.87
CP8C8R9IMT8-ND	8-Bit Microcontroller with 32K Flash, 10-Bit A/D	48-TSSOP	14.74	12.63	11.20
CP8CCE9IMT9-ND	8-Bit Microcontroller with 8K Flash, 10-Bit A/D	48-TSSOP	16.05	13.76	12.20
CP8CCR9IMT7-ND	8-Bit Microcontroller with 32K Flash, 10-Bit A/D	48-TSSOP	15.30	14.28	13.26
CP8CDE9IMT9-ND	8-Bit Microcontroller with 8K Flash, 10-Bit A/D	48-TSSOP	5.73	4.54	3.64
CP8CFE9HVA9-ND	8-Bit Microcontroller with 8K Flash, 10-Bit A/D	44-PLCC	5.29	4.19	3.36
CP8CFE9IMT9-ND	8-Bit Microcontroller with 8K Flash, 10-Bit A/D	48-TSSOP	5.48	4.34	3.48
CP8SDE9IMT9-ND	8-Bit Microcontroller with 8K Flash	48-TSSOP	5.40	4.27	3.42
CP8SGE7VEJ8-ND	8-Bit OTP Microcontroller, 8K Memory, 2 Comparators USART	44-LQFP	11.50	9.86	8.74
CP8SGE728M8-ND	8-Bit OTP Microcontroller, 8K Memory, 2 Comparators USART	28-SOIC	9.14	7.23	5.79
CP8SGE728N8-ND	8-Bit OTP Microcontroller, 8K Memory, 2 Comparators USART	28-Dip	9.87	7.81	6.26
CP8SGE744V8-ND	8-Bit OTP Microcontroller, 8K Memory, 2 Comparators USART	44-PLCC	9.89	8.48	7.52
CP8SGR728M8-ND	8-Bit OTP Microcontroller, 32K Memory, 2 Comparators USART	28-SOIC	8.04	6.36	5.10
CP8SGR728N8-ND	8-Bit OTP Microcontroller, 32K Memory, 2 Comparators USART	28-Dip	9.87	7.81	6.26
CP8SGR744V8-ND	8-Bit OTP Microcontroller, 32K Memory, 2 Comparators USART	44-PLCC	9.17	7.86	6.97
CR16MAS9VJE9-ND	16-Bit, CAN CompactRISC™ Flash Microcontroller	80-PQFP	18.00	16.80	15.60
CR16MCS9VJE9-ND	16-Bit, CAN CompactRISC™ Flash Microcontroller	80-PQFP	18.00	16.80	15.60
LF156H-ND	Mono JFET In Op Amp	TO-5	5.98	4.55	3.47
LF256H-ND	Wideband JFET Op Amp	TO-5	5.40	4.11	3.14
LF298M-ND	Monolithic Sample and Hold Circuit	14-SOIC	3.10	2.36	1.80
LF347BN-ND	Quad Bi-FET Op Amp	14-Dip	2.21	1.65	1.22
LF347M-ND	Quad Bi-FET Op Amp	14-SOIC	2.14	1.59	1.18
LF347MXTR-ND	Quad Bi-FET Op Amp	14-SOIC	2153	13/2,500	
LF347NNS-ND	Quad Bi-FET Op Amp	14-Dip	2.16	1.61	1.19
LF353M-ND	Wideband Dual JFET Op Amp	8-SOIC	1.21	.89	.65
LF353MXCT-ND	Wideband Dual JFET Op Amp	8-SOIC	1.06	.78	.57
LF353MXTR-ND	Wideband Dual JFET Op Amp	8-SOIC	1029	56/2,500	
LF353NNS-ND	Wideband Dual JFET Input Op Amp	8-Dip	1.34	.99	.72
LF356H-ND	Monolithic JFET Input Op Amp	TO-5	5.13	3.90	2.98
LF356M-ND	Monolithic JFET Input Op Amp	8-SOIC	1.11	.81	.59
LF356N-ND	Monolithic JFET Input Op Amp	8-Dip	1.12	.82	.60
LF398AN-ND	Monolithic Sample and Hold Circuit	8-Dip	3.05	2.32	1.77
LF398H-ND	Monolithic Sample and Hold Circuit	TO-5	6.10	4.64	3.54
LF398M-ND	Monolithic Sample and Hold Circuit	14-SOIC	2.06	1.53	1.13
LF398N-ND	Monolithic Sample and Hold Circuit	8-Dip	2.11	1.57	1.16
LF411CH-ND	Low Offset Low Drift JFET Input Op Amp	TO-5	8.57	6.78	5.43
LF411ACN-ND	Low Offset Low Drift JFET Input Op Amp	8-Dip	4.80	3.65	2.79
LF411CN-ND	Low Offset Low Drift JFET Input Op Amp	8-Dip	1.63	1.20	.87
LF412ACN-ND	Low Offset Low Drift JFET Dual Op Amp	8-Dip	4.98	3.79	2.89
LF412CN-ND	Low Offset Low Drift JFET Dual Op Amp	8-Dip	1.66	1.24	.92
LF412MH-ND	Low Offset Low Drift JFET Dual Op Amp	TO-5	9.07	7.18	5.75
LF442ACN-ND	Dual Low Power JFET Op Amp	8-Dip	5.63	4.28	3.27
LF442AMH-ND	Dual Low Power JFET Op Amp	TO-5	17.40	16.24	15.08
LF442CN-ND	Dual Low Power JFET Op Amp	8-Dip	1.76	1.29	.94
LF444ACN-ND	Quad Low Power JFET Op Amp	14-Dip	3.30	2.51	1.92
LF444CM-ND	Quad Low Power JFET Op Amp	14-SOIC	1.93	1.43	1.06
LF444CN-ND	Quad Low Power JFET Op Amp	14-Dip	1.98	1.47	1.09
LM10CH-ND	Op Amp and Voltage Reference	TO-5	6.15	4.87	3.90
LM10CLN-ND	Op Amp and Voltage Reference	8-Dip	2.70	2.06	1.57
LM10CN-ND	Op Amp and Voltage Reference	8-Dip	2.98	2.27	1.73
LM10CWM-ND	Op Amp and Voltage Reference	14-SOIC	2.83	2.15	1.64
LM12CLK-ND	80W Power Op Amp 4-Pin	TO-3	24.00	22.40	20.80
LM12H458CIV-ND	12-Bit + Sign DAS with Self-Calibration	44-PQFP	20.55	19.18	17.81
LM12H458CIVF-ND	12-Bit + Sign DAS with Self-Calibration	44-PQFP	20.55	19.18	17.81
LM12L458CIV-ND	12-Bit + Sign DAS with Self-Calibration	44-PQFP	20.55	19.18	17.81
LM19CIZ-ND	2.4V, 10µA Temperature Sensor, -55° to 130°C	TO-92	1.11	.81	.59
LM20BIM7CT-ND	Micro SMD Temperature Sensor, ±2.5°C	SC-70-5	1.12	.82	.60
LM20BIM7TR-ND	Micro SMD Temperature Sensor, ±2.5°C	SC-70-5		387.40	1,000
LM20IM7CT-ND	Micro SMD Temperature Sensor, ±5°C	SC-70-5	.96	.71	.51
LM20IM7TR-ND	Micro SMD Temperature Sensor, ±5°C	SC-70-5		331.50	1,000
LM20SIBPCT-ND	Micro SMD Temperature Sensor	4-microSMD	.96	.71	.51
LM20SIBPTR-ND	Micro SMD Temperature Sensor	4-microSMD		95.63	250
LM26CIM5-NPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-NPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-PHACT-ND	±3°C Accurate, Factory Preset Thermostat*	SOT-23-5	1.43	1.05	.76
LM26CIM5-PHATR-ND	±3°C Accurate, Factory Preset Thermostat*	SOT-23-5		494.00	1,000
LM26CIM5-RPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-RPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-SHACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-SHATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-SPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-SPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-TPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-TPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-VHACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-VHATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-VPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-VPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-XHACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-XHATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-XPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-XPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-YHACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-YHATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-YPACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-YPATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM26CIM5-ZHACT-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5	1.43	1.05	.76
LM26CIM5-ZHATR-ND	±3°C Accurate, Factory Preset Thermostat	SOT-23-5		494.00	1,000
LM27CIM5-1HJCT-ND	±3°C Accurate, 120°C-150°C Factory Preset Thermostat	SOT-23-5	2.33	1.73	1.28
LM27CIM5-1HJTR-ND	±3°C Accurate, 120°C-150°C Factory Preset Thermostat	SOT-23-5		961.28	1,000
LM27CIM5-2HJCT-ND	±3°C Accurate, 120°C-150°C Factory Preset Thermostat	SOT-23-5	2.33	1.73	1.28
LM27CIM5-2HJTR-ND	±3°C Accurate, 120°C-150°C Factory Preset Thermostat	SOT-23-5		961.28	1,000
LM32CIMT-ND	Dual Thermal Diode Temperature Sensor	14-TSSOP	3.10	2.36	1.80
LM34AH-ND	Precision Fahrenheit Temperature Sensor, -50°F to 300°F	TO-46	13.86	11.88	10.54
LM34CAH-ND	Precision Fahrenheit Temperature Sensor, -40°F to 230°F	TO-46	11.55	9.90	8.78
LM34CAZ-ND	Precision Fahrenheit Temperature Sensor, -40°F to 230°F	TO-92	7.14	5.65	4.53
LM34CH-ND	Precision Fahrenheit Temperature Sensor, -40°F to 230°F	TO-46	9.52	8.16	7.24
LM34CZ-ND	Precision Fahrenheit Temperature Sensor, -40°F to 230°F	TO-92	5.54	4.39	3.52
LM34DM-ND	Precision Fahrenheit Temperature Sensor, +32°F to 212°F	8-SOIC	2.23	1.66	1.23
LM35DT-ND	Precision Celsius Temperature Sensor	TO-220	2.82	2.10	1.55
LM34DZ-ND	Precision Fahrenheit Temperature Sensor, +32°F to 212°F	TO-92	2.51	1.87	1.38
LM35AH-ND	Precision Celsius Temperature Sensor, -55°C to 150°C	TO-46	16.80	15.68	14.56
LM35CAH-ND	Precision Celsius Temperature Sensor, -40°C to 110°C	TO-46	11.55	9.90	8.78
LM35CAZ-ND	Precision Celsius Temperature Sensor, -40°C to 110°C	TO-92	5.40	4.27	3.42
LM35CH-ND	Precision Celsius Temperature Sensor, -40°C to 110°C	TO-46	9.03	7.74	6.87
LM35CZ-ND	Precision Celsius Temperature Sensor, -40°C to 110°C	TO-92	5.28	4.01	3.06
LM35DH-ND	Precision Celsius Temperature Sensor, 0°C to 100°C	TO-46	5.73	4.54	3.64
LM35DM-ND	Precision Celsius Temperature Sensor, 0°C to 100°C	8-SOIC	1.82	1.35	1.00
LM35DMXCT-ND	Precision Celsius Temp. Sensor, 0°C to 100°C	8-SOIC	1.80	1.34	.99
LM35DMXTR-ND	Precision Celsius Temp. Sensor, 0°C to 100°C	8-SOIC		1834.38	2,500
LM35DZ-ND	Precision Celsius Temperature Sensor, 0°C to 100°C	TO-92	1.74	1.30	.96
LM40CIMT-ND	Hardware Monitor with Dual Thermal Diodes and SensorPath™ Bus	14-TSSOP	3.93	2.99	2.28
LM41CIMT-ND	Hardware Monitor with Thermal Diode Inputs and SensorPath™ Bus	14-TSSOP	3.80	2.89	2.21
LM45BIM3CT-ND	Precision Celsius Temperature Sensor	SOT-23	1.58	1.18	.87
LM45BIM3TR-ND	Precision Celsius Temperature Sensor	SOT-23		652.80	1,000
LM45CIM3CT-ND	Precision Celsius Temperature Sensor	SOT-23	1.01	.75	.54
LM45CIM3TR-ND	Precision Celsius Temperature Sensor	SOT-23		351.00	1,000
LM50BIM3CT-ND	Single Supply Centigrade Temperature Sensor	SOT-23	1.61	1.20	.88
LM50BIM3TR-ND	Single Supply Centigrade Temperature Sensor	SOT-23		665.80	1,000
LM50CIM3CT-ND	Single Supply Centigrade Temperature Sensor	SOT-23	1.09	.80	.58
LM50CIM3TR-ND	Single Supply Centigrade Temperature Sensor	SOT-23		377.00	1,000
LM56BIM-ND	Dual Output Low Power Thermostat	8-SOIC	2.23	1.66	1.23
LM56BIMMCT-ND	Dual Output Low Power Thermostat	8-MSOP	2.64	1.96	1.45
LM56BIMMTR-ND	Dual Output Low Power Thermostat	8-MSOP		1088.00	1,000
LM56CIM-ND	Dual Output Low Power Thermostat	8-SOIC	1.67	1.25	.92
LM56CIMMCT-ND	Dual Output Low Power Thermostat	8-MSOP	2.02	1.50	1.11
LM56CIMMTR-ND	Dual Output Low Power Thermostat	8-MSOP		832.00	1,000
LM60BIM3CT-ND	2.7V, Temperature Sensor, -40°C to 125°C	SOT-23	1.28	.94	.68
LM60BIM3TR-ND	2.7V, Temperature Sensor, -40°C to 125°C	SOT-23		442.00	1,000
LM60BIZ-ND	2.7V, Temperature Sensor, -40°C to 125°C	TO-92-3	1.16	.86	.62
LM60CIM3CT-ND	2.7V, Temperature Sensor, -40°C to 125°C	SOT-23	1.08	.78	.57
LM60CIM3TR-ND	2.7V, Temperature Sensor, -40°C to 125°C	SOT-23		336.00	1,000
LM60CIZ-ND	2.7V, Temperature Sensor, -40°C to 125°C	TO-92	.90	.65	.47
LM61BIM3CT-ND	2.7V, Temperature Sensor, -30°C to 100°C	SOT-23	1.28	.94	.68
LM61BIM3TR-ND	2.7V, Temperature Sensor, -30°C to 100°C	SOT-23		442.00	1,000
LM61CIM3CT-ND	2.7V, Temperature Sensor, -30°C to 100°C	SOT-23	1.08	.78	.57
LM61CIM3TR-ND	2.7V, Temperature Sensor, -30°C to 100°C	SOT-23		336.00	1,000
LM61CIZ-ND	2.7V, Temperature Sensor, -30°C to 100°C	TO-92	.90	.65	.47
LM62BIM3CT-ND	2.7V, Temperature Sensor, 0°C to 100°C	SOT-23	1.28	.94	.68
LM62BIM3TR-ND	2.7V, Temperature Sensor, 0°C to 100°C	SOT-23		442.00	1,000
LM62CIM3CT-ND	2.7V, Temperature Sensor, 0°C to 100°C	SOT-23	1.07	.78	.56
LM62CIM3TR-ND	2.7V, Temperature Sensor, 0°C to 100°C	SOT-23		333.20	1,000
LM63CIMA-ND	Digital Temperature Sensor with Integrated Fan Control	8-SOIC	2.63	2.00	1.53
LM63DIMA-ND	Digital Temperature Sensor with Integrated Fan Control	8-SOIC	3.09	2.30	1.70
LM70CILD-3CT-ND	10-Bit Plus Sign Digital Temperature Sensor	8-LLP	2.00	1.49	1.10
LM70CILD-3TR-ND	10-Bit Plus Sign Digital Temperature Sensor	8-LLP		826.88	1,000
LM70CILD-5CT-ND	10-Bit Plus Sign Digital Temperature Sensor	8-LLP	2.00	1.49	1.10
LM70CILD-5TR-ND	10-Bit Plus Sign Digital Temperature Sensor	8-LLP		826.88	1,000
LM70CIMM-3CT-ND	10-Bit Plus Sign Digital Temperature Sensor	8-MSOP	1.86	1.38	1.02
LM70CIMM-3TR-ND	10-Bit Plus Sign Digital Temperature Sensor	8-MSOP		766.72	1,000
LM70CIMM-5CT-ND	SPI/Microwire™ 10-Bit plus Digital Temperature Sensor	8-MSOP	1.86	1.38	1.02
LM70CIMM-5TR-ND	SPI/Microwire™ 10-Bit plus Digital Temperature Sensor	8-MSOP		766.72	1,000
LM70CIMMX-3CT-ND	10-Bit plus Sign Digital Temperature Sensor	8-MSOP	1.86	1.38	1.02
LM70CIMMX-3TR-ND	10-Bit plus Sign Digital Temperature Sensor	8-MSOP		2620.63	5,500
LM71CIMFCT-ND	SPI/Microwire™ 13-Bit plus Sign Temperature Sensor	SOT-23-5	2.06	1.53	1.14
LM71CIMFTR-ND	SPI/Microwire™ 13-Bit plus Sign Temperature Sensor	SOT-23-5		851.20	1,000
LM71CISDCT-ND	SPI/Microwire™ 13-Bit plus Sign Temperature Sensor	6-LLP	2.06	1.53	1.14
LM71CISDTR-ND	SPI/Microwire™ 13-Bit plus Sign Temperature Sensor	6-LLP		851.20	1,000
LM73CIMK-3CT-ND	2.7V, 11-to-14 Bit Digital Temperature Sensor	6-TSOT	2.06	1.53	1.14
LM73CIMK-0TR-ND	2.7V, 11-to-14 Bit Digital Temperature Sensor	6-TSOT		851.20	1,000
LM74CIBP-3CT-ND	3V, 12-Bit Digital Temperature Sensor	5-microSMD	2.24	1.67	1.23
LM74CIBP-3TR-ND	3V, 12-Bit Digital Temperature Sensor	5-microSMD		925.44	1,000
LM74CIBP-5CT-ND	5V, 12-Bit Digital Temperature Sensor	5-microSMD	2.24	1.67	1.23
LM74CIBP-5TR-ND	5V, 12-Bit Digital Temperature Sensor	5-microSMD		925.44	1,000
LM74CIM-3-ND	3V, 12-Bit Digital Temperature Sensor	8-SOIC	1.92	1.43	1.06
LM74CIM-5-ND	5V, 12-Bit Digital Temperature Sensor	8-SOIC	1.92	1.43	1.06
LM75CIM-3-ND	3V, Digital Temperature Sensor	8-SOIC	2.11	1.57	1.16
LM75CIM-5-ND	5V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-SOIC	2.11	1.57	1.16
LM75CIMX-5TR-ND	5V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-SOIC		2125.00	2,500
LM75CIMM-3CT-ND	3.3V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-MSOP	2.17	1.61	1.19
LM75CIMM-3TR-ND	3.3V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-MSOP		896.00	1,000
LM75CIMM-5CT-ND	5V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-MSOP	2.17	1.61	1.19
LM75CIMM-5TR-ND	5V, Digital Temperature Sensor and Thermal Watchdog with Two-Wire Interface	8-MSOP		896.00	1,000
LM76CHM-5-ND	5V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-SOIC	2.90	2.16	1.59
LM77CIM-3-ND	3V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-SOIC	2.11	1.57	1.16
LM77CIM-5-ND	5V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-SOIC	2.11	1.57	1.16
LM77CIMM-3CT-ND	3V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-MSOP	2.11	1.57	1.16
LM77CIMM-3TR-ND	3V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-MSOP		870.40	1,000
LM77CIMM-5CT-ND	5V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-MSOP	2.11	1.57	1.16
LM77CIMM-5TR-ND	5V, Digital Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-MSOP		870.40	1,000
LM78L05ACM-ND	5V, 100mA Positive Regulator	8-SOIC	.73	.53	.39
LM78L05ACMXCT-ND	5V, 100mA Positive Regulator	8-SOIC	.68	.49	.36
LM78L05ACMXTR-ND	5V, 100mA Positive Regulator	8-SOIC		538.66	2,500
LM78L05ACZNS-ND	5V, 100mA Positive Regulator	TO-92	.73	.53	.39
LM78L05IBPCT-ND	3-Terminal Positive Regulator	8-microSMD	1.10	.81	.59

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LM78L12ACMXTR-ND	12V, 100mA Positive Regulator	8-SOIC		538.65/2,500	
LM78L12ACZ-ND	12V, 100mA Voltage Regulator	TO-92	.73	.53	.39
LM78L15ACM-ND	15V, 100mA Positive Regulator	8-SOIC	.73	.53	.39
LM78L15ACMXCT-ND	15V, 100mA Positive Regulator	8-SOIC	.68	.49	.36
LM78L15ACMXTR-ND	15V, 100mA Positive Regulator	8-SOIC		538.65/2,500	
LM78L15ACZ-ND	15V, 100mA Positive Regulator	TO-92	.73	.53	.39
LM78L62ACZ-ND	6.2V, 100mA Positive Regulator	TO-92	1.22	.90	.65
LM341T-5.0-ND	5V, 500mA Positive Regulator	TO-220	1.76	1.29	.94
LM78M05CDT-ND	3-Terminal Positive Regulator	TO-252	1.59	1.17	.85
LM78M12CH-ND	12V, 500mA Positive Regulator	TO-39	6.23	4.74	3.62
LM78M12CT-ND	12V, Positive Regulator	TO-220	1.72	1.27	.92
LM78M15CH-ND	15V, 500mA Positive Regulator	TO-39	6.23	4.74	3.62
LM78S40CN-ND	Universal Switching Regulator Subsystem	16-Dip	1.79	1.33	.99
LM78S40N-ND	Universal Switching Regulator Subsystem, Ind. Temp.	16-Dip	2.67	1.98	1.47
LM79L05ACM-ND	5V, 100mA Negative Regulator	8-SOIC	1.04	.75	.55
LM79L05ACMXTR-ND	5V, 100mA Negative Regulator	8-SOIC		764.75/2,500	
LM79L12ACM-ND	12V, 100mA Negative Regulator	8-SOIC	1.04	.75	.55
LM79L12ACMXTR-ND	12V, 100mA Negative Regulator	8-SOIC		764.75/2,500	
LM79M05CT-ND	5V, 500mA Negative Voltage Regulator	TO-220	1.85	1.36	.99
LM79M12CT-ND	12V, 500mA Negative Voltage Regulator	TO-220	1.85	1.36	.99
LM79M15CT-ND	15V, 500mA Negative Voltage Regulator	TO-220	1.85	1.36	.99
LM80CIMT-3-ND	Serial Interface ACPI-Compatible Microprocessor System Hardware Monitor, 2.8V-5.75V	24-TSSOP	6.18	4.70	3.59
LM80CIMT-5-ND	Serial Interface ACPI-Compatible Microprocessor System Hardware Monitor, 2.8V-5.75V	24-TSSOP	6.18	4.70	3.59
LM81BIMT-3-ND	Serial Interface ACPI-Compatible Microprocessor System Hardware Monitor, 2.8V-3.8V	24-TSSOP	3.93	2.99	2.26
LM81CIMT-3-ND	Serial Interface ACPI-Compatible Microprocessor System Hardware Monitor, 2.8V-3.8V	24-TSSOP	3.93	2.99	2.26
LM82CIMQA-ND	Triple-Diode Input and Local Digital Temperature Sensor with Two-Wire Interface	16-SSOP	3.83	2.91	2.22
LM83CIMQA-ND	Triple-Diode Input and Local Digital Temperature Sensor with Two-Wire Interface	16-SSOP	5.95	4.53	3.46
LM84BIMQA-ND	Diode Input Temp. Sensor with Two-Wire Interface	16-SSOP	3.58	2.72	2.08
LM86CIMMCT-ND	Remote Diode and Digital Temperature Sensor with Two-Wire Interface	8-MSOP	2.51	1.87	1.38
LM86CIMMTR-ND	Remote Diode and Digital Temperature Sensor with Two-Wire Interface	8-MSOP		1036.80/1,000	
LM87CIMT-ND	Serial Interface System Hardware Monitor with Remote Diode Temperature Sensing	24-TSSOP	5.53	4.20	3.21
LM90CIMMCT-ND	Remote Diode and Digital Temperature Sensor with Two-Wire Interface	8-MSOP	2.36	1.75	1.30
LM90CIMMTR-ND	Remote Diode and Digital Temperature Sensor with Two-Wire Interface	8-MSOP		972.80/1,000	
LM92CIM-ND	Temperature Sensor and Thermal Window Comparator with Two-Wire Interface	8-SOIC	3.63	2.76	2.11
LM93CIMT-ND	Hardware Monitor with Integrated Fan Control for Server Management	56-TSSOP	9.98	7.89	6.32
LM99-1CIMMCT-ND	Accurate, High Temperature, Remote Diode Temperature Sensor with Two-Wire Interface	8-MSOP	2.63	2.00	1.53
LM99-1CIMMTR-ND	Accurate, High Temperature, Remote Diode Temperature Sensor with Two-Wire Interface	8-MSOP		1323.00/1,000	
LM99CIMMCT-ND	Accurate, High Temperature, Remote Diode Temperature Sensor with Two-Wire Interface	8-MSOP	2.63	2.00	1.53
LM99CIMMTR-ND	Accurate, High Temperature, Remote Diode Temperature Sensor with Two-Wire Interface	8-MSOP		1323.00/1,000	
LM108AH-ND	Precision Op Amp	TO-5	6.59	5.22	4.18
LM111H-ND	Voltage Comparator	TO-5	5.08	3.86	2.95
LM111J-8-ND	Voltage Comparator	8-CDip	9.35	7.39	5.92
LM113H-ND	Reference Diode	TO-46	9.03	7.74	6.87
LM117H-ND	500mA Positive Adjustable Voltage Regulator	TO-39	8.06	6.38	5.11
LM117K STEEL-ND	Positive Adjustable Voltage Regulator	TO-3	8.87	7.61	6.75
LM120H-5.0-ND	1.5A, 3-Terminal Negative Voltage Regulator	TO-39	9.24	7.92	7.03
LM124AJ-ND	Low Power Quad Op Amp	14-CDip	6.11	4.84	3.88
LM124J-ND	Low Power Quad Op Amp	14-CDip	6.05	4.79	3.84
LM135AH-ND	Precision Temperature Sensor	TO-46	16.59	14.22	12.61
LM135H-ND	Precision Temperature Sensor	TO-46	9.95	7.87	6.31
LM136AH-2.5-ND	2.5V, Reference Diode	TO-46	10.12	8.67	7.69
LM136H-2.5-ND	2.5V, Reference Diode	TO-46	9.53	7.54	6.04
LM136H-5.0-ND	5V, Reference Diode	TO-46	9.53	7.54	6.04
LM137H-ND	3A, 3-Terminal Negative Voltage Regulator	TO-39	9.03	7.74	6.87
LM139J-ND	Low Power Low Offset Quad Comp.	14-CDip	6.13	4.85	3.89
LM140K-5.0-ND	5V, Series 3-Terminal Positive Regulator	TO-3	8.93	7.65	6.79
LM140K-12-ND	12V, 1.5A Positive Voltage Regulator	TO-3	8.93	7.65	6.79
LM140LAH-5.0-ND	5V, Series 3-Terminal Positive Regulator	TO-39	5.92	4.69	3.76
LM140LAH-12-ND	12V, 100mA Positive Voltage Regulator	TO-39	5.92	4.69	3.76
LM148J-ND	Quad 741 Op Amp	14-CDip	5.99	4.74	3.80
LM150K STEEL-ND	3A, Positive Adjustable Voltage Regulator	TO-3	14.00	12.00	10.64
LM158AH-ND	Low Power Dual Op Amp	TO-5	7.70	6.16	4.94
LM158H-ND	Low Power Dual Op Amp	TO-5	6.23	3.99	3.04
LM185BH-ND	Adjustable Micropower Voltage Reference	TO-46	11.18	9.59	8.50
LM185H-2.5-ND	Micropower Voltage Reference Diode	TO-46	9.37	7.41	5.94
LM193H-ND	Low Power Offset Voltage Dual Comparator	TO-5	5.18	3.94	3.01
LM219J-ND	High Speed Dual Comparator	14-CDip	13.06	11.19	9.93
LM224J-ND	Low Power Quad Op Amp	14-CDip	6.05	4.79	3.84
LM231AN-ND	Precision Voltage-to-Frequency Converter	8-Dip	8.04	6.36	5.10
LM231N-ND	Precision Voltage-to-Frequency Converter	8-Dip	5.96	4.72	3.78
LM234Z-3-ND	Adjustable Current Source/Temperature Sensor	TO-92	2.90	2.21	1.69
LM234Z-6-ND	Adjustable Current Source/Temperature Sensor	TO-92	1.69	1.28	.93
LM235AH-ND	Precision Temperature Sensor	TO-46	10.50	9.00	7.98
LM235H-ND	Precision Temperature Sensor	TO-46	7.79	6.16	4.94
LM236AH-2.5-ND	2.5V, (1%) Voltage Reference	TO-46	7.10	5.62	4.50
LM236AH-5.0-ND	5V, Reference Diode	TO-46	7.10	5.62	4.50
LM236H-2.5-ND	2.5V, Reference Diode	TO-46	6.09	4.82	3.86
LM239J-ND	High Performance Quad Comparator	14-CDip	6.38	5.05	4.05
LM285BXZ-ND	Adjustable Micropower Voltage Reference	TO-92	2.65	2.08	1.54
LM285BYM-ND	Adjustable Micropower Voltage Reference	8-SOIC	2.79	2.08	1.54
LM285BYZ-ND	Micropower Adjustable Voltage Reference	TO-92	2.64	1.96	1.45
LM285BYZ-1.2-ND	1.2V, Micropower Voltage Reference	TO-92	2.64	1.96	1.45
LM285BYZ-2.5-ND	2.5V, Reference Diode	TO-92	2.64	1.96	1.45
LM285M-ND	Micropower Adjustable Voltage Reference	8-SOIC	1.22	.90	.65
LM285MXTR-ND	Micropower Adjustable Voltage Reference	8-SOIC		1032.75/2,500	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM285M-1.2-ND	1.2V, Reference Diode	8-SOIC	1.10	.81	.59
LM285M-2.5-ND	Micropower Voltage Reference Diode	8-SOIC	1.10	.81	.59
LM285MX-2.5CT-ND	Micropower Voltage Reference Diode	8-SOIC	1.16	.85	.62
LM285MX-2.5TR-ND	Micropower Voltage Reference Diode	8-SOIC		937.13/2,500	
LM285Z-ND	Adjustable Micropower Voltage Reference	TO-92	1.16	.85	.62
LM285Z-1.2NS-ND	Micropower Voltage Reference Diode	TO-92	1.10	.81	.59
LM285Z-2.5-ND	2.5V, Reference Diode	TO-92	1.10	.81	.59
LM301AH-ND	General Purpose Op Amp	TO-5	4.95	3.77	2.88
LM301ANNS-ND	General Purpose Op Amp	8-Dip	1.12	.82	.60
LM308AH-ND	General Purpose Op Amp	TO-5	5.78	4.39	3.35
LM308H-ND	Super Gain Op Amp	TO-5	5.78	4.39	3.35
LM309H-ND	5V Voltage Regulator	TO-39	5.88	4.65	3.73
LM309K STEEL-ND	+5V, 1.5A Voltage Regulator	TO-3	8.98	7.70	6.83
LM311H-ND	Voltage Comparator	TO-99	5.08	3.86	2.95
LM311MNS-ND	Voltage Comparator	8-SOIC	.84	.61	.44
LM311MXCT-ND	Voltage Comparator	8-SOIC	.63	.46	.33
LM311MXTR-ND	Voltage Comparator	8-SOIC		621.78/2,500	
LM311NNS-ND	High Performance Voltage Comparator	8-Dip	.96	.70	.51
LM317AEMPCT-ND	3-Terminal Adjustable Regulator	SOT-223	1.89	1.41	1.04
LM317AEMPTR-ND	3-Terminal Adjustable Regulator	SOT-223		779.52/1,000	
LM317AEMPXCT-ND	3-Terminal Adjustable Regulator	SOT-223	1.74	1.29	.96
LM317AEMPXTR-ND	3-Terminal Adjustable Regulator	SOT-223		1559.04/2,000	
LM317AH-ND	500mA Positive Adjustable Voltage Regulator	TO-39	6.55	5.18	4.15
LM317AT-ND	1.5A Positive Adjustable Voltage Regulator	TO-220	1.79	1.33	.99
LM317EMPCT-ND	1A Positive Adjustable Voltage Regulator	SOT-223	1.53	1.13	.82
LM317EMPTR-ND	1A Positive Adjustable Voltage Regulator	SOT-223		530.40/1,000	
LM317H-ND	500mA Positive Adjustable Voltage Regulator	TO-39	6.55	5.18	4.15
LM317HVH-ND	High Voltage 500mA, Adjustable Voltage Regulator	TO-39	8.15	6.45	5.17
LM317HVK STEEL-ND	High Voltage 1.5A, Adjustable Voltage Regulator	TO-3	8.87	7.61	6.75
LM317HVT-ND	High Voltage 1.5A, Adjustable Voltage Regulator	TO-220	2.77	2.06	1.52
LM317K STEEL-ND	1.5A Positive Adjustable Voltage Regulator	TO-3	8.87	7.61	6.75
LM317LIBPCT-ND	3-Terminal Adjustable Regulator	8-microSMD	1.06	.77	.56
LM317LIBPTR-ND	3-Terminal Adjustable Regulator	8-microSMD		190.30/250	
LM317LICT-ND	3-Terminal Adjustable Regulator	6-microSMD	1.10	.80	.58
LM317LITR-ND	3-Terminal Adjustable Regulator	6-microSMD		104.13/250	
LM317LM-ND	100mA Positive Adjustable Voltage Regulator	8-SOIC	.96	.70	.51
LM317LMXCT-ND	100mA Positive Adjustable Voltage Regulator	8-SOIC	.96	.70	.51
LM317LMXTR-ND	100mA Positive Adjustable Voltage Regulator	8-SOIC		708.23/2,500	
LM317LZNS-ND	100mA Positive Adjustable Voltage Regulator	TO-92	.84	.61	.44
LM317MDTNS-ND	3-Terminal Adjustable Regulator	TO-252	1.63	1.20	.87
LM317S-ND	3-Terminal Adjustable Regulator	TO-263	1.98	1.47	1.09
LM317SXCT-ND	3-Terminal Adjustable Regulator	TO-263	1.98	1.47	1.09
LM317SXTR-ND	3-Terminal Adjustable Regulator	TO-263		414.70/500	
LM317TNS-ND	1.5A Positive Adjustable Voltage Regulator	TO-220	1.79	1.33	.99
LM318H-ND	High Slew Rate Op Amp	TO-5	5.65	4.30	3.28
LM318M-ND	High Slew Rate Op Amp	8-SOIC	1.39	1.02	.74
LM318N-ND	High Slew Rate Op Amp	8-Dip	1.40	1.03	.75
LM319AM-ND	High Speed Dual Comparator	14-SOIC	1.85	1.36	.99
LM319H-ND	High Speed Dual Comparator	TO-5	5.33	4.05	3.09
LM319M-ND	High Speed Dual Comparator	14-SOIC	1.25	.92	.67
LM319MXTR-ND	High Speed Dual Comparator	14-SOIC		1058.25/2,500	
LM319NNS-ND	High Speed Dual Comparator	14-Dip	1.44	1.06	.77
LM320H-5.0-ND	.5A, 3-Terminal Negative Voltage Regulator	TO-39	6.11	4.84	3.88
LM320LZ-5.0-ND	5V, 0.1A Negative Voltage Regulator	TO-92	.99	.72	.52
LM320LZ-12-ND	12V, 0.1A Negative Voltage Regulator	TO-92	.99	.72	.52
LM320LZ-15-ND	15V, 0.1A Negative Voltage Regulator	TO-92	.99	.72	.52
LM320T-12-ND	12V, 1.5A 3-Terminal Negative Voltage Regulator	TO-220	1.77	1.32	.97
LM320T-15-ND	15V, 1.5A 3-Terminal Negative Voltage Regulator	TO-220	1.77	1.32	.97
LM321MFCT-ND	Low Power Single Op Amp	SOT-23-5	.77	.56	.40
LM321MFTR-ND	Low Power Single Op Amp	SOT-23-5		238.00/1,000	
LM323AK STEEL-ND	5V, 3A Positive Voltage Regulator	TO-3	9.17	7.86	6.97
LM323K STEELNS-ND	5V, 3A Positive Voltage Regulator	TO-3	9.17	7.86	6.97
LM324AMNS-ND	Low Power Quad Op Amp	14-SOIC	1.05	.78	.57
LM324AMT-ND	Low Power Quad Op Amp	14-SOIC	1.05	.78	.57
LM324AMXTR-ND	Low Power Quad Op Amp	14-SOIC		895.69/2,500	
LM324ANNS-ND	Low Power Quad Op Amp	14-Dip	1.21	.89	.65
LM324MNS-ND	Low Power Quad Op Amp	14-SOIC	1.02	.75	.55
LM324MT-ND	Low Power Quad Op Amp	14-TSSOP	1.85	1.36	.99
LM324MXCT-ND	Low Power Quad Op Amp	14-SOIC	1.01	.75	.54
LM324MXTR-ND	Low Power Quad Op Amp	14-SOIC		860.63/2,500	
LM324NNS-ND	Low Power Quad Op Amp	14-Dip	1.18	.87	.63
LM329DZ-ND	6.9V Precision Zener 100ppm/°C	TO-92	1.40	1.03	.75
LM330T-5.0-ND	3-Terminal Positive Regulator	TO-220	1.73	1.27	.92
LM331AN-ND	Precision Voltage-to-Frequency Converter	8-Dip	7.20	5.70	4.57
LM331N-ND	Precision Voltage-to-Frequency Converter	8-Dip	2.83	2.15	1.64
LM333K STEEL-ND	3A Negative Adjustable Voltage Regulator	TO-3	9.87	8.46	7.51
LM334H-ND	3-Terminal Adjustable Current Source	TO-46	4.48	3.41	2.60
LM334M-ND	3-Terminal Adjustable Current Source	8-SOIC	1.21	.89	.65
LM334MXTR-ND	3-Terminal Adjustable Current Source	8-SOIC		1029.56/2,500	
LM334SM-ND	3-Terminal Adjustable Current Source	8-SOIC	2.58	1.96	1.50
LM334ZNS-ND	3-Terminal Adjustable Current Source	TO-92	1.21	.89	.65
LM335AH-ND	Precision Temperature Sensor	TO-46	6.97	5.52	4.42
LM335AM-ND	Precision Temperature Sensor	8-SOIC	1.58	1.16	.86
LM335AZNS-ND	Precision Temperature Sensor	TO-92	1.58	1.16	.86
LM335H-ND	Precision Temperature Sensor	TO-46	5.46	4.32	3.46
LM335M-ND	Precision Temperature Sensor	8-SOIC	1.21	.89	.65
LM335ZNS-ND	Voltage Mode Temperature Sensor	TO-92	1.21	.89	.65
LM336BM-2.5-ND	2.5V Reference Diode	8-SOIC	1.59	1.17	.85
LM336BM-5.0-ND	5V Reference Diode	8-SOIC	1.59	1.17	.85
LM336BZ-2.5-ND	2.5V Reference Diode	TO-92	1.59	1.17	.85
LM336BZ-5.0-ND	5V Reference Diode	TO-92	1.59	1.17	.85
LM336M-2.5-ND	2.5V Reference Diode	8-SOIC	.96	.71	.51
LM336M-2.5TR-ND	2.5V Reference Diode	8-SOIC		812.81/2,500	
LM336M-5.0-ND	5.0V Reference Diode	8-SOIC	.96	.71	.51
LM336Z-2.5NS-ND	2.5V Reference Diode	TO-92	.96	.71	.51
LM336Z-5.0-ND	5.0V Reference Diode	TO-92	.96	.71	.51
LM337HVH-ND	500mA Negative Adjustable Regulator (High Voltage)	TO-39	10.23	8.09	6.48
LM337HVK STEEL-ND	1.5A Negative Adjustable Regulator (High Voltage)	TO-3	11.18	9.59	8.50
LM337IMPTR-ND	1A Negative Adjustable Voltage Regulator	SOT-223	1.69	1.26	.93
LM337IMPTR-ND	1A Negative Adjustable Voltage Regulator	SOT-223		697.60/1,000	
LM337K STEEL-ND	1.5A Negative Adjustable Voltage Regulator	TO-3	8.86	7.59	6.73
LM337LM-ND	100mA Negative Adjustable Voltage Regulator	8-SOIC	.96	.71	.51
LM337LMXCT-ND	100mA Negative Adjustable Voltage Regulator	8-SOIC	.96	.71	.51
LM337LMXTR-ND	100mA Negative Adjustable Voltage Regulator	8-SOIC		812.81/2,500	

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(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM337LZ-ND	100mA Negative Adjustable Voltage Regulator	TO-92	.96	.71	.51
LM337TNS-ND	1.5A Negative Adjustable Voltage Regulator	TO-220	2.06	1.53	1.13
LM338K STEEL-ND	5A Adjustable Positive Regulator	TO-3	16.73	14.34	12.72
LM338T-ND	5A Adjustable Positive Regulator	TO-220	2.50	1.86	1.38
LM339AMXCT-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC	1.08	.78	.57
LM339AMXTR-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC		791.35/2,500	
LM339ANNS-ND	Low Power Low Offset Voltage Quad Comparator	14-Dip	1.01	.75	.54
LM339AM-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC	1.07	.78	.56
LM339MNS-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC	1.04	.75	.55
LM339MXCT-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC	1.04	.75	.55
LM339MXTR-ND	Low Power Low Offset Voltage Quad Comparator	14-SOIC		764.75/2,500	
LM339NNS-ND	High Performance Quad Comparator	14-Dip	1.11	.81	.59
LM340AT-5.0-ND	5V, 1.0A Positive Voltage Regulator	TO-220	1.74	1.30	.96
LM340K-5.0-ND	5V, 1.0A Positive Voltage Regulator	TO-3	8.93	7.65	6.79
LM340K-12-ND	12V, 1.0A Positive Voltage Regulator	TO-3	8.93	7.65	6.79
LM340LAH-15-ND	15V, 1.0A Positive Voltage Regulator	TO-39	6.43	5.63	4.95
LM340LAH-5.0-ND	5V, 100mA Positive Voltage Regulator	TO-39	5.63	4.45	3.57
LM340LAH-12-ND	12V, 100mA Positive Voltage Regulator	TO-39	5.63	4.45	3.57
LM340LAZ-5.0-ND	5V, 100mA Positive Voltage Regulator	TO-92	1.08	.80	.58
LM340LAZ-12-ND	12V, 100mA Positive Voltage Regulator	TO-92	1.08	.80	.58
LM340MP-5.0CT-ND	5V, 1A Voltage Regulator	SOT-223	1.33	.98	.71
LM340MP-5.0TR-ND	5V, 1A Voltage Regulator	SOT-223		460.20/1,000	
LM340S-5.0-ND	5V, Series 3-Terminal Positive Regulator	TO-263	1.66	1.24	.92
LM340SX-5.0TR-ND	5V, Series 3-Terminal Positive Regulator	TO-263		348.40/500	
LM340S-12-ND	12V, Series 3-Terminal Positive Regulator	TO-263	1.66	1.24	.92
LM340T-5.0-ND	5V, 1.0A Positive Voltage Regulator (7805)	TO-220	1.66	1.24	.92
LM340T-12-ND	12V, 1.0A Positive Voltage Regulator (7812)	TO-220	1.66	1.24	.92
LM340T-15-ND	15V, 1.0A Positive Voltage Regulator (7815)	TO-220	1.66	1.24	.92
LM341T-5.0-ND	5V, 500mA Voltage Regulator	TO-220	1.76	1.29	.94
LM341T-15-ND	15V, 500mA Voltage Regulator	TO-220	1.82	1.34	.97
LM348M-ND	Quad 741 Operational Amp	14-SOIC	1.12	.82	.60
LM348NNS-ND	Quad 741 Operational Amp	14-Dip	1.31	.96	.70
LM350AT-ND	3A, 3-Terminal Positive Adjustable Voltage Regulator	TO-220	3.35	2.55	1.95
LM350K STEELNS-ND	3A, 3-Terminal Positive Adjustable Voltage Regulator	TO-3	12.02	10.31	9.14
LM350TNS-ND	3A, 3-Terminal Positive Adjustable Voltage Regulator	TO-220	2.29	1.71	1.26
LM358AMNS-ND	Low Power Dual Op Amp	8-SOIC	1.07	.78	.56
LM358AMXCT-ND	Low Power Dual Op Amp	8-SOIC	1.08	.78	.57
LM358AMXTR-ND	Low Power Dual Op Amp	8-SOIC		791.35/2,500	
LM358ANNS-ND	Low Power Dual Op Amp (Elect. Improv.)	8-Dip	1.01	.75	.54
LM358BPCT-ND	Low Power Dual Op Amp	8-microSMD	1.07	.78	.56
LM358BPTR-ND	Low Power Dual Op Amp	8-microSMD		101.15/250	
LM358MNS-ND	Low Power Dual Op Amp	8-SOIC	1.04	.75	.55
LM358MXCT-ND	Low Power Dual Op Amp	8-SOIC	1.04	.75	.55
LM358MXTR-ND	Low Power Dual Op Amp	8-SOIC		764.75/2,500	
LM358NNS-ND	Low Power Dual Op Amp	8-Dip	1.11	.81	.59
LM359M-ND	Dual, High Speed Prog. Current Mode (Norton) Amp	14-SOIC	2.80	2.13	1.63
LM359N-ND	High Speed Norton Op Amp	8-Dip	2.98	2.27	1.73
LM360H-ND	High Speed Differential Comparator	TO-5	5.80	4.41	3.37
LM360M-ND	High Speed Differential Comparator	8-SOIC	4.38	3.33	2.54
LM360N-ND	High Speed Differential Comparator	8-Dip	4.38	3.33	2.54
LM361M-ND	High Speed Differential Comparator	14-SOIC	3.01	2.24	1.65
LM361N-ND	High Speed Differential Comparator	14-Dip	3.01	2.24	1.65
LM380N-ND	2.5W Audio Power Amplifier	14-Dip	1.58	1.18	.87
LM380N-8-ND	2.5W Audio Amplifier	8-Dip	1.66	1.22	.89
LM384N-ND	5W Audio Amplifier	14-Dip	1.58	1.18	.87
LM385BM-ND	Adj. Micropower Voltage Reference	8-SOIC	1.06	.78	.57
LM385BM-1.2-ND	1.2V Reference Diode 150ppm/°C	8-SOIC	1.28	.94	.68
LM385BMX-1.2TR-ND	1.2V Reference Diode 150ppm/°C	8-SOIC		1083.75/2,500	
LM385BM-2.5-ND	2.5V Reference Diode 150ppm/°C	8-SOIC	1.28	.94	.68
LM385BMX-2.5TR-ND	2.5V Reference Diode 150ppm/°C	8-SOIC		1083.75/2,500	
LM385BXM-2.5-ND	2.5V Micropower Voltage Reference Diode	8-SOIC	2.83	2.15	1.64
LM385BXZ-ND	Adjustable Micropower Voltage Reference Diode	TO-92	2.92	2.22	1.64
LM385BXZ-2.5-ND	2.5V Reference Diode 50ppm/°C	TO-92	2.97	2.21	1.63
LM385BYM-1.2-ND	1.2V Micropower Voltage Reference Diode	8-SOIC	2.42	1.80	1.33
LM385BYZ-1.2-ND	1.2V Precision Voltage Reference 50ppm/°C	TO-92	2.38	1.77	1.31
LM385BYZ-2.5-ND	2.5V Precision Voltage Reference 50ppm/°C	TO-92	2.38	1.77	1.31
LM385BYZ-ND	Adjustable Reference Diode	TO-92	2.38	1.77	1.31
LM385BZ-ND	Adjustable Micropower Voltage Reference Diode	TO-92	1.05	.77	.56
LM385BZ-1.2NS-ND	Micropower Voltage Reference Diode	TO-92	1.06	.77	.56
LM385BZ-2.5NS-ND	2.5V, Voltage Reference Diode	TO-92	1.06	.77	.56
LM385M-ND	Adjustable Voltage Reference Diode	8-SOIC	1.02	.74	.54
LM385MXTR-ND	Adjustable Voltage Reference Diode	8-SOIC		754.78/2,500	
LM385M-1.2-ND	1.2V, Voltage Reference Diode	8-SOIC	1.02	.74	.54
LM385MX-1.2CT-ND	1.2V, Voltage Reference Diode	8-SOIC	.81	.59	.43
LM385MX-1.2TR-ND	1.2V, Voltage Reference Diode	8-SOIC		754.78/2,500	
LM385M-2.5-ND	2.5V, Voltage Reference Diode 150ppm/°C	8-SOIC	1.02	.74	.54
LM385MX-2.5TR-ND	2.5V, Voltage Reference Diode 150ppm/°C	8-SOIC		754.78/2,500	
LM385M3-2.5CT-ND	2.5V, Micropower Voltage Reference Diode	SOT-23	1.33	.98	.71
LM385M3-2.5TR-ND	2.5V, Micropower Voltage Reference Diode	SOT-23		460.20/1,000	
LM385M3X-1.2CT-ND	1.2V, Micropower Voltage Reference Diode	SOT-23	1.20	.88	.64
LM385M3X-1.2TR-ND	1.2V, Micropower Voltage Reference Diode	SOT-23		1354.05/3,000	
LM385M3X-2.5CT-ND	2.5V, Micropower Voltage Reference Diode	SOT-23	1.33	.98	.71
LM385M3X-2.5TR-ND	2.5V, Micropower Voltage Reference Diode	SOT-23		1354.05/3,000	
LM385Z-ND	Adjustable Voltage Reference Diode	TO-92	.99	.72	.52
LM385Z-1.2NS-ND	1.2V, Voltage Reference Diode	TO-92	.99	.72	.52
LM385Z-2.5NS-ND	2.5V, Voltage Reference Diode	TO-92	.99	.72	.52
LM386M-1-ND	Low Voltage Audio Power Amp	8-SOIC	.94	.69	.50
LM386N-1-ND	Low Voltage Audio Power Amp, Vs=6V	8-Dip	.94	.69	.50
LM386N-3-ND	Low Voltage Audio Power Amp, Vs=9V	8-Dip	.94	.69	.50
LM386N-4-ND	Low Voltage Audio Power Amp, Vs=16V	8-Dip	.94	.69	.50
LM392M-ND	Single Op Amp and Comparator	8-SOIC	1.55	1.15	.85
LM392MXTR-ND	Single Op Amp and Comparator	8-SOIC		1562.50/2,500	
LM392N-ND	Op Amp and Comparator	8-Dip	1.67	1.25	.92
LM393MNS-ND	Low Power Low Offset Voltage Dual Comparator	8-SOIC	1.04	.75	.55
LM393MXCT-ND	Low Power Low Offset Voltage Dual Comparator	8-SOIC	1.04	.75	.55
LM393MXTR-ND	Low Power Low Offset Voltage Dual Comparator	8-SOIC		764.75/2,500	
LM393NNS-ND	Dual Comparator	8-Dip	1.11	.81	.59
LM394CH-ND	Super Matched NPN Pairs	TO-5	7.12	5.63	4.51
LM395T-ND	Ultra Reliable High Gain Power Transistor	TO-220	3.48	2.65	2.02
LM399H-ND	Precision Reference	TO-46	5.88	4.65	3.73
LM431ACM-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC	.73	.53	.39
LM431ACMXTR-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC		538.65/2,500	
LM431ACM3XCT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	.73	.53	.39
LM431ACM3XTR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		646.38/3,000	
LM431ACZ-ND	Adjustable Precision Zener Shunt Regulator	TO-92	.73	.53	.39

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM431AIBPCT-ND	Adjustable Precision Zener Shunt Regulator	4-microSMD	.77	.56	.40
LM431AIBPTR-ND	Adjustable Precision Zener Shunt Regulator	4-microSMD		72.25/250	
LM431AIM3CT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	.77	.56	.40
LM431AIM3TR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		238.00/1,000	
LM431AIMXCT-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC	.77	.56	.40
LM431AIMXTR-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC		565.25/2,500	
LM431AIZ-ND	Adjustable Precision Zener Shunt Regulator; Ind. Temp.	TO-92	.77	.56	.40
LM431BCM-ND	Adjustable Precision Zener Shunt Regulator	SOT-8	.79	.58	.42
LM431BCM3CT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	.79	.58	.42
LM431BCM3TR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		246.40/1,000	
LM431BCZ-ND	Adjustable Precision Zener Shunt Regulator	TO-92	.92	.67	.48
LM431BIM-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC	.83	.60	.44
LM431BIM3CT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	.83	.60	.44
LM431BIM3TR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		257.60/1,000	
LM431BIZ-ND	Adjustable Precision Zener Shunt Regulator	TO-92	.83	.60	.44
LM431CCM3CT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	1.10	.81	.59
LM431CCM3TR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		382.20/1,000	
LM431CCZ-ND	Adjustable Precision Zener Shunt Regulator	TO-92	1.10	.81	.59
LM431CIM-ND	Adjustable Precision Zener Shunt Regulator	8-SOIC	1.22	.90	.65
LM431CIM3CT-ND	Adjustable Precision Zener Shunt Regulator	SOT-23	1.22	.90	.65
LM431CIM3TR-ND	Adjustable Precision Zener Shunt Regulator	SOT-23		421.20/1,000	
LM431CIZ-ND	Adjustable Precision Zener Shunt Regulator	TO-92	1.22	.90	.65
LM555CM-ND	Timer	8-SOIC	1.13	.83	.60
LM555CMXCT-ND	Timer	8-SOIC	1.13	.83	.60
LM555CMXTR-ND	Timer	8-SOIC		956.25/2,500	
LM555CMMCT-ND	Timer	8-MSOP	1.11	.81	.59
LM555CMMTR-ND	Timer	8-MSOP		345.80/1,000	
LM555CNNS-ND	Timer	8-Dip	1.24	.91	.66
LM556CM-ND	Dual Timer	14-SOIC	1.44	1.06	.77
LM556CMXCT-ND	Dual Timer	14-SOIC	1.44	1.06	.77
LM556CMXTR-ND	Dual Timer	14-SOIC		1220.81/2,500	
LM556CN-ND	Timer	14-Dip	1.53	1.13	.82
LM565CN-ND	Phase Lock Loop	14-Dip	2.06	1.53	1.13
LM567CM-ND	Tone Decoder Phase Lock Loop	8-SOIC	1.80	1.32	.96
LM567CMXTR-ND	Tone Decoder Phase Lock Loop	8-SOIC		1530.00/2,500	
LM567CN-ND	Tone Decoder Phase Lock Loop	8-Dip	1.80	1.32	.96
LM611CM-ND	Op Amp and Adjustable Reference	14-SOIC	2.22	1.66	1.23
LM611IM-ND	Op Amp and Adjustable Reference	14-SOIC	2.51	1.87	1.38
LM613IWM-ND	Dual Op Amp, Dual Comparator and Adj. Reference	16-SOIC	2.88	2.19	1.67
LM614CWM-ND	Quad Op Amp with Adjustable Reference	16-SOIC	2.50	1.90	1.45
LM628N-6-ND	Precision Motion Controller, 6MHz	28-Dip	24.75	23.10	21.45
LM628N-8-ND	Precision Motion Controller, 8MHz	28-Dip	42.90	40.04	37.18
LM629M-6-ND	Precision Motion Controller, 6MHz	24-SOIC	24.75	23.10	21.45
LM629M-8-ND	Precision Motion Controller, 8MHz	24-SOIC	42.90	40.04	37.18
LM629N-6-ND	Precision Motion Controller, 6MHz	28-Dip	24.75	23.10	21.45
LM629N-8-ND	8-Bit PWM Motion Controller	28-Dip	42.90	40.04	37.18
LM675T-ND	Power Operational Amplifier	TO-220-5	5.85	4.45	3.40
LM723CH-ND	150mA Positive Adjustable Voltage Regulator	TO-5	5.48	4.17	3.18
LM723CNNS-ND	Precision Voltage Regulator	14-Dip	1.12	.82	.60
LM723H-ND	2V-37V, Adjustable Voltage Regulator	TO-5	5.48	4.17	3.18
LM725CH-ND	Instrumentation Op Amp	TO-5	5.35	4.07	3.11
LM725CN-ND	Instrumentation Op Amp	8-Dip	2.63	2.00	1.53
LM741CH-ND	18V, High Performance Op Amp	TO-5	4.93	3.75	2.86
LM741CNNS-ND	18V, High Performance Op Amp	8-Dip	.84	.61	.44
LM741H-ND	High Performance Op Amp High Temp	TO-5	4.93	3.75	2.86
LM809M3-2.63CT-ND	3-Pin Microprocessor Reset Circuits, 2.63V	SOT-23	.84	.61	.44
LM809M3-2.63TR-ND	3-Pin Microprocessor Reset Circuits, 2.63V	SOT-23		261.80/1,000	
LM809M3-2.93CT-ND	3-Pin Microprocessor Reset Circuits, 2.93V	SOT-23	.84	.61	.44
LM809M3-2.93TR-ND	3-Pin Microprocessor Reset Circuits, 2.93V	SOT-23		261.80/1,000	
LM809M3-3.08CT-ND	3-Pin Microprocessor Reset Circuits, 3.08V	SOT-23	.84	.61	.44
LM809M3-3.08TR-ND	3-Pin Microprocessor Reset Circuits, 3.08V	SOT-23		261.80/1,000	
LM809M3-4.00CT-ND	3-Pin Microprocessor Reset Circuits, 4.00V	SOT-23	.84	.61	.44
LM809M3-4.00TR-ND	3-Pin Microprocessor Reset Circuits, 4.00V	SOT-23		261.80/1,000	
LM809M3-4.38CT-ND	3-Pin Microprocessor Reset Circuits, 4.38V	SOT-23	.84	.61	.44
LM809M3-4.38TR-ND	3-Pin Microprocessor Reset Circuits, 4.38V	SOT-23		261.80/1,000	
LM809M3-4.63CT-ND	3-Pin Microprocessor Reset Circuits, 4.63V	SOT-23	.84	.61	.44
LM809M3-4.63TR-ND	3-Pin Microprocessor Reset Circuits, 4.63V	SOT-23		261.80/1,000	
LM810M3-2.63CT-ND	3-Pin Microprocessor Reset Circuits, 2.63V	SOT-23	.84	.61	.44
LM810M3-2.63TR-ND	3-Pin Microprocessor Reset Circuits, 2.63V	SOT-23		261.80/1,000	
LM810M3-2.93CT-ND	3-Pin Microprocessor Reset Circuits, 2.93V	SOT-23	.84	.61	.44
LM810M3-2.93TR-ND	3-Pin Microprocessor Reset Circuits, 2.93V	SOT-23		261.80/1,000	
LM810M3-3.08CT-ND	3-Pin Microprocessor Reset Circuits, 3.08V	SOT-23	.84	.61	.44
LM810M3-3.08TR-ND	3-Pin Microprocessor Reset Circuits, 3.08V	SOT-23		261.80/1,000	
LM810M3-4.00CT-ND	3-Pin Microprocessor Reset Circuits, 4.00V	SOT-23	.84	.61	.44
LM810M3-4.00TR-ND	3-Pin Microprocessor Reset Circuits, 4.00V	SOT-23		261.80/1,000	
LM810M3-4.38CT-ND	3-Pin Microprocessor Reset Circuits, 4.38V	SOT-23	.84	.61	.44
LM810M3-4.38TR-ND	3-Pin Microprocessor Reset Circuits, 4.38V	SOT-23		261.80/1,000	
LM810M3-4.63CT-ND	3-Pin Microprocessor Reset Circuits, 4.63V	SOT-23	.84	.61	.44
LM810M3-4.63TR-ND	3-Pin Microprocessor Reset Circuits, 4.63V	SOT-23		261.80/1,000	
LM828MSCT-ND	Switched Capacitor Voltage Converter	SOT-23-5	1.13	.83	.60
LM828MSTR-ND	Switched Capacitor Voltage Converter	SOT-23-5		390.04/1,000	
LM828MSXTR-ND	Switched Capacitor Voltage Converter	SOT-23-5		1147.50/3,000	
LM833M-ND	Dual Audio Op Amp	8-SOIC	.94	.69	.50
LM833MXTR-ND	Dual Audio Op Amp	8-SOIC		796.88/2,500	
LM833MMCT-ND	Dual Audio Op Amp	8-MSOP	.94	.69	.50
LM833MMTR-ND	Dual Audio Op Amp	8-MSOP		325.00/1,000	
LM833NNS-ND	Dual Audio Op Amp	8-Dip	.94	.69	.50
LM837M-ND	Low Noise Quad Op Amp	14-SOIC	1.84	1.35	.98
LM837MXCT-ND	Low Noise Quad Op Amp	14-SOIC	1.84	1.35	.98
LM837MXTR-ND	Low Noise Quad Op Amp	14-SOIC		1561.88/2,500	
LM837N-ND	Low Noise Quad Op Amp	14-Dip	1.55	1.15	.85
LM1036M-ND	Tone/Volume/Balance Circuit	20-SOIC	3.07	2.28	1.69
LM1036N-ND	Dual DC Oper. Tone/Volume/Balance Circuit	20-Dip	2.55	1.94	1.48
LM1084IS-ADJ-ND	Adjustable Voltage 5A Low Dropout Positive Regulator	TO-263	3.15	2.40	1.83
LM1084IS-3.3-ND	3.3V, 5A LDO Positive Regulator	TO-263	3.15	2.40	1.83
LM1084IS-5.0-ND	5V, 5A LDO Positive Regulator	TO-263	3.15	2.40	1.83
LM1084IS-12-ND	12V, 5A LDO Positive Regulator	TO-263	3.15	2.40	1.83
LM1084IT-ADJ-ND	Adjustable Voltage 5A LDO Positive Regulator	TO-220	3.13	2.38	1.82
LM1084IT-3.3-ND	3.3V, 5A LDO Positive Regulator	TO-220	3.13	2.38	1.82
LM1084IT-5.0-ND	5V, 5A LDO Positive Regulator	TO-220	3.13	2.38	1.82
LM1084IT-12-ND	12V, 5A LDO Positive Regulator	TO-220	3.13	2.38	1.82
LM1085IS-ADJ-ND	Adjustable Voltage 3A Low Dropout Positive Regulator	TO-263	3.00	2.23	1.65
LM1085IS-3.3-ND	3.3V, 5A LDO Positive Regulator	TO-263	3.00	2.23	1.65
LM1085IS-5.0-ND	5V, 3A LDO Positive Regulator	TO-263	3.00	2.23	1.65
LM1085IS-12-ND	12V, 3A LDO Positive Regulator	TO-263	3.00	2.23	1.65

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM1085ISX-12CT-ND	12V, 3A LDO Positive Regulator	TO-263	3.00	2.23	1.65
LM1085ISX-12TR-ND	12V, 3A LDO Positive Regulator	TO-263		629.85/500	
LM1085IT-ADJ-ND	Adjustable Voltage 3A LDO Positive Regulator	TO-220	2.96	2.22	1.64
LM1085IT-3.3-ND	3.3V, 3A LDO Positive Regulator	TO-220	2.96	2.22	1.64
LM1085IT-5.0-ND	5V, 3A LDO Positive Regulator	TO-220	2.96	2.22	1.64
LM1085IT-12-ND	12V, 3A LDO Positive Regulator	TO-220	2.98	2.22	1.64
LM1086CS-ADJ-ND	Adjustable Voltage 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086CS-2.5-ND	2.5V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086CS-2.85-ND	2.85V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086CS-3.3-ND	3.3V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086CS-5.0-ND	5V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086CT-ADJ-ND	Adjustable Voltage 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086CT-2.85-ND	2.85V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086CT-3.3-ND	3.3V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086CT-5.0-ND	5V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086IS-ADJ-ND	Adjustable Voltage 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086IS-3.3-ND	3.3V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086IS-5.0-ND	5V, 1.5A LDO Positive Regulator	TO-263	2.42	1.80	1.33
LM1086IT-ADJ-ND	Adjustable Voltage 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086IT-2.85-ND	2.85V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086IT-3.3-ND	3.3V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1086IT-5.0-ND	5V, 1.5A LDO Positive Regulator	TO-220	2.42	1.80	1.33
LM1117DT-ADJ-ND	Adjustable Voltage 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DT-2.5-ND	2.5V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DT-2.85-ND	2.85V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DT-3.3-ND	3.3V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DT-5.0-ND	5V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DTX-3.3TR-ND	3.3V, 800mA LDO Linear Regulator	TO-252		1437.5/2,500	
LM1117DT-3.3-ND	3.3V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117DT-5.0-ND	5.0V, 800mA LDO Linear Regulator	TO-252	1.69	1.25	.91
LM1117IMP-ADJCT-ND	Adjustable Voltage 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117IMP-ADJTR-ND	Adjustable Voltage 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117IMP-3.3CT-ND	3.3V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117IMP-3.3TR-ND	3.3V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117IMP-5.0CT-ND	5.0V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117IMP-5.0TR-ND	5.0V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117IMP-ADJCT-ND	Adjustable Voltage 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117IMP-ADJTR-ND	Adjustable Voltage 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117MP-1.8CT-ND	1.8V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MP-1.8TR-ND	1.8V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117MP-2.85CT-ND	2.85V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MP-2.85TR-ND	2.85V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117MP-3.3CT-ND	3.3V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MP-3.3TR-ND	3.3V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117MP-5.0CT-ND	5V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MP-5.0TR-ND	5V, 800mA LDO Linear Regulator	SOT-223		453.70/1,000	
LM1117MPX-2.5CT-ND	2.5V, 800mA LDO Linear Regulator	SOT-223	1.57	1.14	.83
LM1117MPX-2.5TR-ND	2.5V, 800mA LDO Linear Regulator	SOT-223		907.40/2,000	
LM1117MPX-3.3CT-ND	3.3V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MPX-3.3TR-ND	3.3V, 800mA LDO Linear Regulator	SOT-223		907.40/2,000	
LM1117MPX-5.0CT-ND	5V, 800mA LDO Linear Regulator	SOT-223	1.31	.96	.70
LM1117MPX-5.0TR-ND	5V, 800mA LDO Linear Regulator	SOT-223		907.40/2,000	
LM1117S-ADJ-ND	Adjustable Voltage 800mA LDO Linear Regulator	TO-263	1.68	1.25	.92
LM1117T-ADJ-ND	Adjustable Voltage 800mA LDO Linear Regulator	TO-220	1.66	1.24	.92
LM1117T-2.85-ND	2.85V, 800mA LDO Linear Regulator	TO-220	1.66	1.24	.92
LM1117T-3.3-ND	3.3V, 800mA LDO Linear Regulator	TO-220	1.66	1.24	.92
LM1117T-5.0-ND	5V, 800mA LDO Linear Regulator	TO-220	1.66	1.24	.92
LM1246AAC/NA-ND	150MHz, I2C Compatible RGB Preamp	24-Dip	3.20	2.44	1.86
LM1262NA-ND	200MHz, I2C Compatible RGB Video Amp System	24-Dip	3.20	2.44	1.86
LM1267NA-ND	150MHz, I2C Compatible RGB Video Amp System	24-Dip	3.04	2.26	1.67
LM1269NA-ND	110MHz, I2C Compatible RGB Video Amp System*	24-Dip	2.51	1.87	1.38
LM1269NA-ND	110MHz, I2C Compatible RGB Video Amp System*	24-Dip	2.39	1.78	1.31
LM1458M-ND	Dual Op Amp	8-SOIC	1.04	.75	.55
LM1458MXCT-ND	Dual Op Amp	8-SOIC	1.04	.75	.55
LM1458MXTR-ND	Dual Op Amp	8-SOIC		764.75/2,500	
LM1458NNS-ND	Dual Op Amp	8-Dip	.99	.73	.53
LM1572MTC-3.3-ND	1.5A, 500KHz Step-Down Voltage Regulator	16-TSSOP	3.53	2.68	2.05
LM1572MTC-5.0-ND	1.5A, 500KHz Step-Down Voltage Regulator	16-TSSOP	3.53	2.68	2.05
LM1572MX-ADJ-ND	Video Sync. Separator	8-SOIC	2.93	2.23	1.70
LM1770SMFCT-ND	Low Voltage Sync. Buck Controller	SOT-23-5	2.80	2.08	1.54
LM1770SMFTR-ND	Low Voltage Sync. Buck Controller	SOT-23-5		1155.84/1,000	
LM1770TMFCT-ND	Low Voltage Sync. Buck Controller	SOT-23-5	2.80	2.08	1.54
LM1770TMFTR-ND	Low Voltage Sync. Buck Controller	SOT-23-5		1155.84/1,000	
LM1770UMFCT-ND	Low Voltage Sync. Buck Controller	SOT-23-5	2.80	2.08	1.54
LM1770UMFTR-ND	Low Voltage Sync. Buck Controller	SOT-23-5		1155.84/1,000	
LM1881MXTR-ND	Video Sync. Separator	8-SOIC		3656.25/2,500	
LM1881N-ND	Video Sync. Separator	8-Dip	2.93	2.23	1.70
LM1894M-ND	Dynamic Noise Reduction System	14-SOIC	2.39	1.78	1.31
LM1949N-ND	476Kbytes, Injector Drive Controller	8-Dip	4.35	3.31	2.53
LM1971M-ND	Digitally Controlled 62dB Audio Attenuator with Mute	8-SOIC	3.04	2.26	1.67
LM1971N-ND	Digitally Controlled 62dB Audio Attenuator with Mute	8-Dip	2.65	2.02	1.54
LM1972M-ND	2-Channel 78dB Audio Attenuator with Mute	20-SOIC	4.25	3.23	2.47
LM1973M-ND	MicroPot™ 3-Channel 76dB Audio Attenuator with Mute	20-SOIC		2255.40/1,000	
LM1973N-ND	MicroPot™ 3-Channel Audio Attenuator with Mute	20-Dip	4.85	3.69	2.82
LM2412T-ND	Monolithic Triple 2.8nS CRT Driver	TO-220-11	5.71	4.52	3.62
LM2422TE-ND	Mono 220V, 3-Channel, 30MHz CRT DTV Driver*	TO-220-11	7.79	6.16	4.94
LM2426TE-ND	Monolithic Triple 30MHz DTV Driver	TO-220-11	7.41	5.86	4.70
LM2435T-ND	Monolithic Triple 5.5nS CRT Driver	TO-220-9	4.13	3.14	2.40
LM2437T-ND	Monolithic Triple 7.5nS CRT Driver	TO-220-9	2.95	2.19	1.62
LM2439T-ND	Monolithic Triple 9.5nS CRT Driver	TO-220-9	2.45	1.82	1.35
LM2445TA-ND	Monolithic Triple 7.5ns CRT Driver	TO-220-9	2.95	2.19	1.62
LM2462TA-ND	Monolithic Triple 3nS CRT Driver	TO-220-11	6.78	5.37	4.30
LM2463TA-ND	Monolithic Triple 4nS CRT Driver*	TO-220-11	6.28	4.97	3.98
LM2465TA-ND	Monolithic Triple 5.5nS High Gain CRT Driver	TO-220-9	4.00	3.04	2.32
LM2466TA-ND	Monolithic Triple 7.5nS CRT Driver	TO-220-9	2.95	2.19	1.62
LM2467TA-ND	Monolithic Triple 7.5nS CRT Driver	TO-220-9	3.33	2.53	1.93
LM2468TA-ND	Monolithic Triple 14nS High Gain CRT Driver	TO-220-9	2.36	1.75	1.30
LM2469TA-ND	Monolithic Triple 9nS High Gain CRT Driver	TO-220-9	2.41	1.84	1.36
LM2480NA-ND	90V Triple Bias Clamp*	8-Dip	.95	.69	.50
LM2485NA-ND	220V Triple Clamp with G1 Blank Amp*	24-Dip	1.89	1.41	1.04
LM25005MH-ND	42V, 2.5A Step-Down Switching Regulator* **NEW!**	20-TSSOP	5.23	3.98	3.04
LM25007MMCT-ND	42V, 0.5A Step-Down Switching Regulator* **NEW!**	8-MSOP	3.09	2.30	1.70
LM25007MMTR-ND	42V, 0.5A Step-Down Switching Regulator* **NEW!**	8-MSOP		1277.44/1,000	
LM25240N-ND	Regulator Pulse Width Module (PWM)	16-Dip	1.67	1.25	.92
LM2574HVM-ADJ-ND	Simple Switcher 0.5A Step-Down Voltage Regulator	14-SOIC	3.63	2.76	2.11

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2574HVM-3.3-ND	3.3V, Simple Switcher 0.5A Step-Down Volt. Regulator	14-SOIC	3.63	2.76	2.11
LM2574HVM-5.0-ND	5V, 500mA Step-Down Switch Regulator	14-SOIC	3.63	2.76	2.11
LM2574HVM-12-ND	12V, Simple Switcher 0.5A Step-Down Volt. Regulator	14-SOIC	3.63	2.76	2.11
LM2574HVN-ADJ-ND	Adjustable Voltage 500mA Step-Down Switch Regulator	8-Dip	4.85	3.69	2.82
LM2574HVN-3.3-ND	3.3V, Simple Switcher 0.5A Step-Down Voltage Regulator	8-Dip	4.85	3.69	2.82
LM2574HVN-5.0-ND	5V, 500mA Step-Down Switch Regulator	8-Dip	4.85	3.69	2.82
LM2574HVN-12-ND	12V, 500mA Step-Down Switch Regulator	8-Dip	4.85	3.69	2.82
LM2574M-3.3-ND	3.3V, 500mA Step-Down Switch Regulator	14-SOIC	2.47	1.84	1.36
LM2574M-5.0-ND	5V, 500mA Step-Down Switch Regulator	14-SOIC	2.47	1.84	1.36
LM2574MX-5.0TR-ND	5V, 500mA Step-Down Switch Regulator	14-SOIC		1018.88/1,000	
LM2574M-12-ND	12V, 500mA Step-Down Switch Regulator	14-SOIC	2.47	1.84	1.36
LM2574MX-ADJTR-ND	Adjustable 500mA Step-Down Switch Regulator	14-SOIC		1018.88/1,000	
LM2574N-ADJ-ND	Adjustable 500mA Step-Down Switch Regulator	8-Dip	2.47	1.84	1.36
LM2574N-5.0-ND	5V, 500mA Step-Down Switch Regulator	8-Dip	2.47	1.84	1.36
LM2574N-12-ND	12V, 500mA Step-Down Switch Regulator	8-Dip	2.47	1.84	1.36
LM2574N-15-ND	15V, 500mA Step-Down Switch Regulator	8-Dip	2.47	1.84	1.36
LM2575HVM-ADJ-ND	Adjustable 1A Step-Down Switch Regulator	24-SOIC	5.20	3.96	3.02
LM2575HVM-12-ND	12V, Simple Switcher 1A Step-Down Voltage Regulator	24-SOIC	5.20	3.96	3.02
LM2575HVN-5.0-ND	5V, 1A Step-Down Switch Regulator	16-Dip	5.20	3.96	3.02
LM2575HVS-ADJ-ND	Adj., Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	4.48	3.41	2.60
LM2575HVS-3.3-ND	3.3V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	4.48	3.41	2.60
LM2575HVS-5.0-ND	5V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	4.48	3.41	2.60
LM2575HVS-12-ND	12V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	4.48	3.41	2.60
LM2575HVS-15-ND	15V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	4.48	3.41	2.60
LM2575HVT-ADJ-ND	Adjustable 1A Step-Down Switch Regulator	TO-220	5.20	3.96	3.02
LM2575HVT-3.3-ND	3.3V, Simple Switcher 1A Step-Down Voltage Regulator	TO-220-5	5.20	3.96	3.02
LM2575HVT-5.0-ND	5V, 1A Step-Down Switch Regulator, High Voltage	TO-220	5.20	3.96	3.02
LM2575HVT-12-ND	12V, 1A Step-Down Switch Regulator	TO-220	5.20	3.96	3.02
LM2575HVT-15-ND	15V, 1A Step-Down Switch Regulator	TO-220	5.20	3.96	3.02
LM2575M-3.3-ND	3.3V, Simple Switcher 1A Step-Down Voltage Regulator	24-SOIC	2.58	1.96	1.50
LM2575M-5.0-ND	5V, 1A Step-Down Switch Regulator	24-SOIC	2.58	1.96	1.50
LM2575M-12-ND	12V, Simple Switcher 1A Step-Down Voltage Regulator	24-SOIC	2.58	1.96	1.50
LM2575M-15-ND	15V, Simple Switcher 1A Step-Down Voltage Regulator	24-SOIC	2.58	1.96	1.50
LM2575N-ADJ-ND	Adjustable 1A Step-Down Switch Regulator	16-Dip	3.43	2.61	1.99
LM2575N-5.0-ND	5V, 1A Step-Down Switch Regulator	16-Dip	3.43	2.61	1.99
LM2575N-12-ND	12V, 1A Step-Down Switch Regulator	16-Dip	3.43	2.61	1.99
LM2575S-ADJ-ND	Adj., Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	2.90	2.21	1.69
LM2575S-3.3-ND	3.3V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	2.90	2.21	1.69
LM2575S-5.0-ND	5V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	2.90	2.21	1.69
LM2575S-12-ND	12V, Simple Switcher 1A Step-Down Voltage Regulator	TO-263-5	2.90	2.21	1.69
LM2575T-ADJNS-ND	Adjustable 1A Step-Down Switch Regulator	TO-220	2.58	1.96	1.50
LM2575T-3.3-ND	3.3V, 1A Step-Down Switch Regulator	TO-220	2.58	1.96	1.50
LM2575T-5.0-ND	5V, 1A Step-Down Switch Regulator	TO-220	2.58	1.96	1.50
LM2575T-12-ND	12V, 1A Step-Down Switch Regulator	TO-220	2.58	1.96	1.50
LM2575T-15-ND	15V, 1A Step-Down Switch Regulator	TO-220	2.58	1.96	1.50
LM2576HVS-ADJ-ND	Adjustable 3A Step-Down Switch Regulator	TO-263	5.85	4.45	3.40
LM2576HVS-3.3-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	5.85	4.45	3.40
LM2576HVS-5.0-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	5.85	4.45	3.40
LM2576HVT-ADJ-ND	Adjustable 3A Step-Down Switch Regulator	TO-220-5	5.85	4.45	3.40
LM2576HVT-3.3-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator	TO-220-5	5.85	4.45	3.40
LM2576HVT-5.0-ND	5V, 3A Step-Down Regulator (High Voltage)	TO-220	5.85	4.45	3.40
LM2576HVT-12-ND	12V, 3A Step-Down Regulator (High Voltage)	TO-220	5.85	4.45	3.40
LM2576HVT-15-ND	15V, 3A Step-Down Regulator (High Voltage)	TO-220	5.85	4.45	3.40
LM2576S-ADJ-ND	Adj., Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	3.23	2.46	1.88
LM2576S-3.3-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	3.23	2.46	1.88
LM2576S-5.0-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	3.23	2.46	1.88
LM2576S-12-ND	12V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	3.23	2.46	1.88
LM2576S-15-ND	15V, Simple Switcher 3A Step-Down Voltage Regulator	TO-263-5	3.23	2.46	1.88
LM2576T-ADJNS-ND	Adjustable 3A Step-Down Voltage Regulator	TO-220-5	3.20	2.44	1.86
LM2576T-3.3NS-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator	TO-220-5	3.20	2.44	1.86
LM2576T-5.0-ND	5V, 3A Step-Down Switch Regulator	TO-220	3.20	2.44	1.86
LM2576T-12-ND	12V, 3A Step-Down Switch Regulator	TO-220	3.20	2.44	1.86
LM2576T-15-ND	15V, Simple Switcher 3A Step-Down Voltage Regulator	TO-220-5	3.20	2.44	1.86
LM2577M-ADJ-ND	Adjustable 3A Step-Up Switch Regulator	24-SOIC	5.57	4.40	3.53
LM2577N-ADJ-ND	Adjustable 3A Step-Up Switch Regulator	16-Dip	5.57	4.40	3.53
LM2577N-12-ND	12V, 3A Step-Up Switch Regulator	16-Dip	5.57	4.40	3.53
LM2577N-15-ND	15V, 3A Step-Up Switch Regulator	16-Dip	5.57	4.40	3.53
LM2577S-ADJ-ND	Adj. Simple Switcher Step-Up Voltage Regulator	TO-263-5	5.57	4.40	3.53
LM2577S-12-ND	12V, Simple Switcher Step-Up Voltage Regulator	TO-263-5	5.57	4.40	3.53
LM2577S-15-ND	15V, Simple Switcher Step-Up Voltage Regulator	TO-263-5	5.57	4.40	3.53
LM2577T-ADJ-ND	Adjustable 3A Step Up Switch Voltage Regulator	TO-220-5	5.57	4.40	3.53
LM2577T-12-ND	12V, 3A Step-Up Switch Regulator	TO-220	5.57	4.40	3.53
LM2577T-15-ND	15V, 3A Step-Up Switch Regulator	TO-220	5.57	4.40	3.53
LM2578AM-ND	750mA Switching Regulator	8-SOIC	3.03	2.30	1.76
LM2578AN-ND	750mA Switching Regulator	8-Dip	3.03	2.30	1.76
LM2585S-ADJ-ND	Adj. Simple Switcher 3A Flyback Regulator	TO-263-5	6.32	5.00	4.01
LM2585S-3.3-ND	3.3V, Simple Switcher 3A Flyback Regulator	TO-263-5	6.32	5.00	4.01
LM2585S-5.0-ND	5V, Simple Switcher 3A Flyback Regulator	TO-263-5	6.32	5.00	4.01
LM2585S-12-ND	12V, Simple Switcher 3A Flyback Regulator	TO-263-5	6.32	5.00	4.01
LM2585T-ADJ-ND	Adj. Simple Switcher 3A Flyback Voltage Regulator	TO-220-5	6.32	5.00	4.01
LM2585T-3.3-ND	3.3V, Simple Switcher 3A Flyback Regulator	TO-220-5	6.32	5.00	4.01
LM2585T-5.0-ND	5V, Simple Switcher 3A Flyback Regulator	TO-220-5	6.32	5.00	4.01
LM2585T-12-ND	12V, Simple Switcher 3A Flyback Regulator	TO-220-5	6.32	5.00	4.01
LM2585T-ADJ-ND	Adj. Simple Switcher 3A Flyback Reg. with Shutdown	TO-263-7	6.53	5.17	4.14
LM2586S-3.3-ND	3.3V Simple Switcher 3A Flyback Reg. with Shutdown	TO-263-7	6.53	5.17	4.14
LM2586S-5.0-ND	5V, Simple Switcher 3A Flyback Reg. with Shutdown	TO-263-7	6.53	5.17	4.14
LM2586S-12-ND	12V, Simple Switcher 3A Flyback Reg. with Shutdown	TO-263-7	6.53	5.17	4.14
LM2586T-ADJ-ND	Adj. Simple Switcher 3A Flyback Reg. with Shutdown	TO-220-7	6.53	5.17	4.14
LM2586T-3.3-ND	3.3V, Simple Switcher 3A Flyback Reg. with Shutdown	TO-220-7	6.53	5.17	4.14
LM2586T-5.0-ND	5V, Simple Switcher 3A Flyback Reg. with Shutdown	TO-220-7	6.53	5.17	4.14
LM2586T-12-ND	12V, Simple Switcher 3A Flyback Reg. with Shutdown	TO-220-7	6.53	5.17	4.14
LM2587DVAL-ND	Evaluation Board for LM2587		43.80	—	—
LM2587S-ADJ-ND	Adj. Simple Switcher 5A Flyback Regulator	TO-263-5	8.32	6.58	5.27
LM2587S-3.3-ND	3.3V, Simple Switcher 5A Flyback Regulator	TO-263-5	8.32	6.58	5.27
LM2587S-5.0-ND	5V, Simple Switcher 5A Flyback Regulator	TO-263-5	8.32	6.58	5.27
LM2587T-ADJ-ND	Adj. Simple Switcher 5A Flyback Regulator	TO-220-5	8.32	6.58	5.27
LM2587T-3.3-ND	3.3V, Simple Switcher 5A Flyback Regulator	TO-220-5	8.32	6.58	5.27
LM2587T-5.0-ND	5V, Simple Switcher 5A Flyback Regulator	TO-220-5	8.32	6.58	5.27
LM2587T-12-ND	12V, Simple Switcher 5A Flyback Regulator	TO-220-5	8.32	6.58	5.27
LM2588S-ADJ-ND	Adjustable Volt. 5A Simple Switcher, Flyback Regulator	TO-263	8.99	7.11	5.70
LM2588S-3.3-ND	3.3V, Simple Switcher 5A Flyback Regulator	TO-263-7	8.99	7.11	5.70
LM2588S-5.0-ND	5V, Simple Switcher 5A Flyback Regulator	TO-263-7	8.99	7.11	5.70
LM2588S-12-ND	12V, Simple Switcher 5A Flyback Regulator	TO-263	8.99	7.11	5.70
LM2588T-ADJ-ND	Adj. Simple Switcher 5A Flyback Regulator	TO-220-7	8.99	7.11	5.70
LM2588T-5.0-ND	5V, Simple Switcher 5A Flyback Regulator	TO-220-7	8.99	7.11	5.70

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2588T-12-ND	12V, Simple Switcher 5A Flyback Regulator	TO-220-7	8.99	7.11	5.70
LM2590HVS-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-7	5.38	4.09	3.12
LM2590HVS-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-7	5.38	4.09	3.12
LM2590HVS-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-7	5.38	4.09	3.12
LM2590HVT-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	5.38	4.09	3.12
LM2590HVT-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	5.38	4.09	3.12
LM2590HVT-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	5.38	4.09	3.12
LM2591HVS-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	5.10	3.88	2.96
LM2591HVS-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	5.10	3.88	2.96
LM2591HVS-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	5.10	3.88	2.96
LM2591HVT-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	5.10	3.88	2.96
LM2591HVT-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	5.10	3.88	2.96
LM2591HVT-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	5.10	3.88	2.96
LM2592HVS-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-263-5	6.10	4.64	3.54
LM2592HVS-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-263-5	6.10	4.64	3.54
LM2592HVS-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-263-5	6.10	4.64	3.54
LM2592HVT-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-5	6.10	4.64	3.54
LM2592HVT-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-5	6.10	4.64	3.54
LM2592HVT-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-5	6.10	4.64	3.54
LM2593HVS-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz 2A, Step-Down Voltage Regulator	TO-263-7	5.38	4.25	3.41
LM2593HVS-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-263-7	5.38	4.25	3.41
LM2593HVS-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-263-7	5.38	4.25	3.41
LM2593HVT-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-7	5.38	4.25	3.41
LM2593HVT-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-7	5.38	4.25	3.41
LM2593HVT-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 2A, Step-Down Voltage Regulator	TO-220-7	5.38	4.25	3.41
LM2594HVM-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.63	3.52	2.69
LM2594HVM-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.63	3.52	2.69
LM2594HVM-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.63	3.52	2.69
LM2594HVM-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.63	3.52	2.69
LM2594HVN-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.63	3.52	2.69
LM2594HVN-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.63	3.52	2.69
LM2594HVN-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.63	3.52	2.69
LM2594HVN-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.63	3.52	2.69
LM2594M-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.05	2.32	1.77
LM2594M-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.05	2.32	1.77
LM2594M-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.05	2.32	1.77
LM2594M-12-ND	12V, Simple Switcher Power Converter, 150KHz, Step-Down Voltage Regulator	8-SOIC	3.05	2.32	1.77
LM2594MX-5.0TR-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC			381 2.50/2,500
LM2594N-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.05	2.32	1.77
LM2594N-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.05	2.32	1.77
LM2594N-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.05	2.32	1.77
LM2594N-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.05	2.32	1.77
LM2595S-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	TO-263-5	3.85	2.93	2.24
LM2595S-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	3.85	2.93	2.24
LM2595S-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	3.85	2.93	2.24
LM2595S-12-ND	12V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-5	3.85	2.93	2.24
LM2595T-ADJ-ND	Adj., Simple Switcher Power Converter, 150KHz, 1A, Step-Down Volt. Reg.	TO-220	3.85	2.93	2.24
LM2595T-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	3.85	2.93	2.24
LM2595T-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	3.85	2.93	2.24
LM2595T-12-ND	12V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-5	3.85	2.93	2.24
LM2596S-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-5	4.30	3.27	2.50

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2596S-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-5	4.30	3.27	2.50
LM2596S-5.0-ND	5V, Simple Switcher Power Converter, 150KHz 3A, Step-Down Voltage Regulator	TO-263	4.30	3.27	2.50
LM2596S-12-ND	12V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-5	4.30	3.27	2.50
LM2596SX-5.0TR-ND	5V, Power Converter 150KHz 3A Step-Down Volt. Reg.	TO-263			1096.50/500
LM2596T-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-5	4.30	3.27	2.50
LM2596T-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-5	4.30	3.27	2.50
LM2596T-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-5	4.30	3.27	2.50
LM2596T-12-ND	12V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-5	4.30	3.27	2.50
LM2597HVM-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.75	3.61	2.76
LM2597HVM-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.75	3.61	2.76
LM2597HVM-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.75	3.61	2.76
LM2597HVM-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	4.75	3.61	2.76
LM2597HVN-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.75	3.61	2.76
LM2597HVN-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.75	3.61	2.76
LM2597HVN-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.75	3.61	2.76
LM2597HVN-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	4.75	3.61	2.76
LM2597M-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.78	2.87	2.19
LM2597M-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.78	2.87	2.19
LM2597M-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.78	2.87	2.19
LM2597M-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-SOIC	3.78	2.87	2.19
LM2597N-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.78	2.87	2.19
LM2597N-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.78	2.87	2.19
LM2597N-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.78	2.87	2.19
LM2597N-12-ND	12V, Simple Switcher Power Converter, 150KHz, 0.5A, Step-Down Voltage Regulator	8-Dip	3.78	2.87	2.19
LM2598S-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz 1A, Step-Down Voltage Regulator	TO-263-7	4.45	3.39	2.59
LM2598S-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-7	4.45	3.39	2.59
LM2598S-5.0-ND	5V, Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263	4.45	3.39	2.59
LM2598S-12-ND	12V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-263-7	4.45	3.39	2.59
LM2598T-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	4.45	3.39	2.59
LM2598T-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	4.45	3.39	2.59
LM2598T-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	4.45	3.39	2.59
LM2598T-12-ND	12V, Simple Switcher Power Converter, 150KHz, 1A, Step-Down Voltage Regulator	TO-220-7	4.45	3.39	2.59
LM2599S-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-7	5.13	3.90	2.98
LM2599S-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-7	5.13	3.90	2.98
LM2599S-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-7	5.13	3.90	2.98
LM2599S-12-ND	12V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-263-7	5.13	3.90	2.98
LM2599T-ADJ-ND	Adj. Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-7	5.13	3.90	2.98
LM2599T-3.3-ND	3.3V, Simple Switcher Power Converter, 150KHz 3A, Step-Down Voltage Regulator	TO-220-7	5.13	3.90	2.98
LM2599T-5.0-ND	5V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-7	5.13	3.90	2.98
LM2599T-12-ND	12V, Simple Switcher Power Converter, 150KHz, 3A, Step-Down Voltage Regulator	TO-220-7	5.13	3.90	2.98
LM26001MXA-ND	1.5A Switching Regulator * **NEW!**	16-TSSOP	5.99	4.74	3.80
LM2611AMFCT-ND	1.4MHz Cuk Converter	SOT-23-5	2.73	2.08	1.59
LM2611AMFTR-ND	1.4MHz Cuk Converter	SOT-23-5			1373.40/1,000
LM2611BMFCT-ND	1.4MHz Cuk Converter	SOT-23-5	2.90	2.16	1.59
LM2611BMFTR-ND	1.4MHz Cuk Converter	SOT-23-5			1196.80/1,000
LM2612ABPCT-ND	400mA Sub-Miniature, Programmable, Step-Down DC-DC Converter	10-microSMD	3.33	2.53	1.93
LM2612ABPTR-ND	400mA Sub-Miniature, Programmable, Step-Down DC-DC Converter	10-microSMD			442.23/250
LM2612ATLCT-ND	400mA Sub-Miniature, Programmable, Step-Down DC-DC Converter	10-microSMD	3.33	2.53	1.93
LM2612ATLTR-ND	400mA Sub-Miniature, Programmable, Step-Down DC-DC Converter	10-microSMD			442.23/250
LM2619ATLCT-ND	500mA Step-Down DC-DC Converter	10-microSMD	2.85	2.17	1.66
LM2619ATLTR-ND	500mA Step-Down DC-DC Converter	10-microSMD			379.05/250
LM2619MTC-ND	500mA Step-Down DC-DC Converter	14-TSSOP	3.35	2.55	1.95
LM2621MMCT-ND	Low Input Step-Up DC-DC Converter	8-MSOP	1.98	1.47	1.09
LM2621MMTR-ND	Low Input Step-Up DC-DC Converter	8-MSOP			816.64/1,000
LM2622MM-ADJCT-ND	600kHz/1.3MHz Step-Up PWM DC-DC Converter	8-MSOP	3.09	2.30	1.70

* RoHS Compliant

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2622MM-ADJTR-ND	600kHz/1.3MHz Step-Up PWM DC-DC Converter	8-MSOP		1277.44/1,000	
LM2623ALDCT-ND	Ratio Adaptive DC-DC Boost Converter	14-LLP	2.60	1.98	1.51
LM2623ALDTR-ND	Ratio Adaptive DC-DC Boost Converter	14-LLP		1310.40/1,000	
LM2623AMMCT-ND	General Purpose Low Vin, Low Ripple DC-DC Boost Converter	8-MSOP	2.60	1.98	1.51
LM2623AMMTR-ND	General Purpose Low Vin, Low Ripple DC-DC Boost Converter	8-MSOP		1310.40/1,000	
LM2623LDCT-ND	General Purpose Low Vin, Low Ripple DC-DC Boost Converter	14-LLP	2.56	1.91	1.41
LM2623LDTR-ND	General Purpose Low Vin, Low Ripple DC-DC Boost Converter	14-LLP		1058.56/1,000	
LM2623MMCT-ND	General Purpose Low Vin, Low Ripple DC-DC Boost Converter	8-MSOP	2.56	1.91	1.41
LM2623MMTR-ND	GP Low Vin, Low Ripple DC-DC Boost Converter	8-MSOP		1058.56/1,000	
LM2633MTD-ND	2 Phase Sync Triple Regulator Controller	48-TSSOP	6.18	4.70	3.59
LM2635M-ND	5-Bit Programmable Sync. Buck Regulator Controller	20-SOIC	3.85	2.93	2.24
LM2636M-ND	5-Bit Programmable Sync. Buck Regulator Controller	20-SOIC	3.40	2.59	1.98
LM2636MTC-ND	5-Bit Programmable Sync. Buck Regulator Controller	20-TSSOP	3.40	2.59	1.98
LM2637M-ND	Motherboard Power Supply Solution	24-SOIC	4.48	3.41	2.60
LM2638M-ND	Motherboard Power Supply Solution	24-SOIC	4.48	3.41	2.60
LM2639M-ND	5-Bit Program, Hi Freq. Multiphase PWM Controller	24-SOIC	6.05	4.60	3.51
LM2640MTC-ADJ-ND	Dual Adj. Step-Down Switching Power Supply Controller, Switching Freq. 200KHz	28-TSSOP	6.78	5.37	4.30
LM2641MTC-ADJ-ND	Dual Adj. Step-Down Switching Power Supply Controller, Switching Freq. 300KHz	28-TSSOP	7.14	5.65	4.53
LM2642MTC-ND	2-Phase Sync. Step-Down Switching Controller	28-TSSOP	4.05	3.08	2.35
LM2645MTD-ND	Dual Output 2-Phase Switching Controller	48-TSSOP	6.18	4.70	3.59
LM2647LQCT-ND	Dual Sync. Buck Regulator	28-LLP	4.53	3.44	2.63
LM2647LQTR-ND	Dual Sync. Buck Regulator	28-LLP		2280.60/1,000	
LM2647MTC-ND	Dual Sync. Buck Regulator	28-TSSOP	4.53	3.44	2.63
LM2650EVAL-ND	Evaluation Board for LM2650X	—	53.55	—	—
LM2650M-ADJ-ND	Synchronous Step Down DC-DC Converter	24-SOIC	7.27	5.75	4.61
LM2651MTC-ADJ-ND	Adj. 1.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2651MTC-1.8-ND	1.8V, 1.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2651MTC-2.5-ND	2.5V, 1.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2651MTC-3.3-ND	3.3V, 1.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2653MTC-ADJ-ND	Adj. 1.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.63	3.52	2.69
LM2654MTC-ADJ-ND	Adj. 2.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2655MTC-3.3-ND	3.3V, 2.5A, High Efficiency Sync. Switching Regulator	16-TSSOP	4.00	3.04	2.32
LM2657MTC-ND	Dual Sync. Buck Regulator Controller	28-TSSOP	4.53	3.44	2.63
LM2660M-ND	100mA, Switched Capacitor Converter	8-SOIC	2.05	1.52	1.13
LM2661M-ND	100mA, Switched Capacitor Converter with Shutdown	8-SOIC	2.05	1.52	1.13
LM2662M-ND	Switched Capacitor Voltage Converter	8-SOIC	2.64	1.96	1.45
LM2663M-ND	Switched Capacitor Voltage Converter	8-SOIC	2.64	1.96	1.45
LM2664MCT-ND	Switched Capacitor Voltage Converter, 91% Eff.	SOT-23-6	1.20	.88	.64
LM2664M6TR-ND	Switched Capacitor Voltage Converter, 91% Eff.	SOT-23-6		416.00/1,000	
LM2665M6CT-ND	Switched Capacitor Voltage Converter, 90% Eff.	SOT-23-6	1.24	.91	.66
LM2665M6TR-ND	Switched Capacitor Voltage Converter, 90% Eff.	SOT-23-6		429.00/1,000	
LM2670S-ADJ-ND	Adj. Simple Switcher High Efficiency 3A Step-Down Regulator with Sync.	TO-263-7	4.70	3.58	2.73
LM2670S-3.3-ND	3.3V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	TO-263-7	4.70	3.58	2.73
LM2670S-5.0-ND	5V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	TO-263-7	4.70	3.58	2.73
LM2670S-12-ND	12V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	TO-263-7	4.70	3.58	2.73
LM2670SD-3.3CT-ND	3.3V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP	4.70	3.58	2.73
LM2670SD-3.3TR-ND	3.3V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP		625.10/250	
LM2670SD-5.0CT-ND	5V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP	4.70	3.58	2.73
LM2670SD-5.0TR-ND	5V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP		625.10/250	
LM2670SD-12CT-ND	12V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP	4.70	3.58	2.73
LM2670SD-12TR-ND	12V, Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP		625.10/250	
LM2670SD-ADJCT-ND	Adj., Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP	4.70	3.58	2.73
LM2670SD-ADJTR-ND	Adj., Simple Switcher High Efficiency 3A Step-Down Voltage Regulator with Sync.	14-LLP		625.10/250	
LM2670T-ADJ-ND	Adj. Simple Switcher High Efficiency 3A Step-Down Regulator with Sync.	TO-220-7	4.70	3.58	2.73
LM2670T-3.3-ND	3.3V, Simple Switcher High Efficiency 3A Step-Down Regulator with Sync.	TO-220-7	4.70	3.58	2.73
LM2670T-5.0-ND	5V, Simple Switcher High Efficiency 3A Step-Down Regulator with Sync.	TO-220-7	4.70	3.58	2.73
LM2670T-12-ND	12V, Simple Switcher High Efficiency 3A Step-Down Regulator with Sync.	TO-220-7	4.70	3.58	2.73
LM2671LD-ADJCT-ND	Adj Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.28	2.49	1.90
LM2671LD-ADJTR-ND	Adj Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1650.60/1,000	
LM2671LD-3.3CT-ND	3.3V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.28	2.49	1.90
LM2671LD-3.3TR-ND	3.3V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1650.60/1,000	
LM2671LD-5.0CT-ND	5V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.28	2.49	1.90
LM2671LD-5.0TR-ND	5V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1650.60/1,000	
LM2671LD-12CT-ND	12V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.28	2.49	1.90
LM2671LD-12TR-ND	12V, Simple Switcher High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1650.60/1,000	
LM2671M-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.28	2.49	1.90
LM2671M-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.28	2.49	1.90
LM2671M-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.28	2.49	1.90
LM2671M-12-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.28	2.49	1.90
LM2671N-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.28	2.49	1.90

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2671N-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.28	2.49	1.90
LM2671N-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.28	2.49	1.90
LM2671N-12-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.28	2.49	1.90
LM2672LD-ADJCT-ND	Adj. Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP	4.18	3.18	2.43
LM2672LD-ADJTR-ND	Adj. Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP		2104.20/1,000	
LM2672LD-3.3CT-ND	3.3V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP	4.18	3.18	2.43
LM2672LD-3.3TR-ND	3.3V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP		2104.20/1,000	
LM2672LD-5.0CT-ND	5V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP	4.18	3.18	2.43
LM2672LD-5.0TR-ND	5V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP		2104.20/1,000	
LM2672LD-12CT-ND	12V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP	4.18	3.18	2.43
LM2672LD-12TR-ND	12V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	16-LLP		2104.20/1,000	
LM2672M-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-SOIC	4.18	3.18	2.43
LM2672M-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-SOIC	4.18	3.18	2.43
LM2672M-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-SOIC	4.18	3.18	2.43
LM2672M-12-ND	12V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-SOIC	4.18	3.18	2.43
LM2672N-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-Dip	4.18	3.18	2.43
LM2672N-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-Dip	4.18	3.18	2.43
LM2672N-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-Dip	4.18	3.18	2.43
LM2672N-12-ND	12V, Simple Switcher Power Converter High Efficiency 1A Step-Down Voltage Regulator	8-Dip	4.18	3.18	2.43
LM2673S-ADJ-ND	Adj. Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-263-7	4.70	3.58	2.73
LM2673S-3.3-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-263-7	4.70	3.58	2.73
LM2673S-5.0-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-263-7	4.70	3.58	2.73
LM2673S-12-ND	12V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-263-7	4.70	3.58	2.73
LM2673SD-3.3CT-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP	4.70	3.58	2.73
LM2673SD-3.3TR-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP		625.10/250	
LM2673SD-5.0CT-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP	4.70	3.58	2.73
LM2673SD-5.0TR-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP		625.10/250	
LM2673SD-12CT-ND	12V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP	4.70	3.58	2.73
LM2673SD-12TR-ND	12V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP		625.10/250	
LM2673SD-ADJCT-ND	Adj., Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP	4.70	3.58	2.73
LM2673SD-ADJTR-ND	Adj., Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	14-LLP		625.10/250	
LM2673T-ADJ-ND	Adj. Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-220-7	4.70	3.58	2.73
LM2673T-3.3-ND	3.3V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-220-7	4.70	3.58	2.73
LM2673T-5.0-ND	5V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-220-7	4.70	3.58	2.73
LM2673T-12-ND	12V, Simple Switcher 3A Step-Down Voltage Regulator with Adj. Current Limit	TO-220-7	4.70	3.58	2.73
LM2674LD-ADJCT-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.10	2.36	1.80
LM2674LD-ADJTR-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1562.40/1,000	
LM2674LD-3.3CT-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.10	2.36	1.80
LM2674LD-3.3TR-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1562.40/1,000	
LM2674LD-5.0CT-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.10	2.36	1.80
LM2674LD-5.0TR-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1562.40/1,000	
LM2674LD-12CT-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP	3.10	2.36	1.80
LM2674LD-12TR-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	16-LLP		1562.40/1,000	
LM2674M-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.10	2.36	1.80
LM2674M-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.10	2.36	1.80
LM2674M-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.10	2.36	1.80
LM2674M-12-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-SOIC	3.10	2.36	1.80
LM2674N-ADJ-ND	Adj. Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.10	2.36	1.80
LM2674N-3.3-ND	3.3V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.10	2.36	1.80
LM2674N-5.0-ND	5V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.10	2.36	1.80
LM2674N-12-ND	12V, Simple Switcher Power Converter High Efficiency 500mA Step-Down Voltage Regulator	8-Dip	3.10	2.36	1.80

* RoHS Compliant

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM2937ES-8.0-ND	8V, 500mA Low Dropout Regulator	TO-263	2.32	1.73	1.28
LM2937ES-10-ND	10V, 500mA Low Dropout Regulator	TO-263	2.32	1.73	1.28
LM2937ES-12-ND	12V, 500mA Low Dropout Regulator	TO-263	2.32	1.73	1.28
LM2937ES-15-ND	15V, 500mA Low Dropout Regulator	TO-263	2.32	1.73	1.28
LM2937ESX-5.0TR-ND	5V, 500mA Low Dropout Regulator	TO-263		486.20/500	
LM2937ET-2.5-ND	2.5V, 500mA Low Dropout Regulator	TO-220	2.06	1.53	1.13
LM2937T-3.3-ND	3.3V, 500mA Low Dropout Regulator	TO-220	2.06	1.53	1.13
LM2937T-5.0-ND	5V, 500mA High Temp Regulator	TO-220	2.06	1.53	1.13
LM2937T-8.0-ND	8V, 500mA High Temp Voltage Regulator	TO-220	2.06	1.53	1.13
LM2937ET-10-ND	10V, 500mA High Temp Voltage Regulator	TO-220	2.06	1.53	1.13
LM2937ET-12-ND	12V, 500mA High Temp Voltage Regulator	TO-220	2.06	1.53	1.13
LM2937IMP-2.5CT-ND	2.5V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-2.5TR-ND	2.5V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-3.3CT-ND	3.3V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-3.3TR-ND	3.3V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-5.0CT-ND	5V, 400mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-5.0TR-ND	5V, 400mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-8.0CT-ND	8V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-8.0TR-ND	8V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-10CT-ND	10V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-10TR-ND	10V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-12CT-ND	12V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-12TR-ND	12V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2937IMP-15CT-ND	15V, 500mA Low Dropout Regulator	SOT-223	1.83	1.36	1.01
LM2937IMP-15TR-ND	15V, 500mA Low Dropout Regulator	SOT-223		753.92/1,000	
LM2940CS-5.0-ND	5V, 1A Low Dropout Voltage Regulator	TO-263	2.11	1.57	1.16
LM2940CS-9.0-ND	9V, 1A Low Dropout Regulator	TO-263	2.11	1.57	1.16
LM2940CS-12-ND	12V, 1A Low Dropout Regulator	TO-263	2.11	1.57	1.16
LM2940CS-15-ND	15V, 1A Low Dropout Regulator	TO-263	2.11	1.57	1.16
LM2940CSX-5.0TR-ND	5V, 1A Low Dropout Voltage Regulator	TO-263		442.00/500	
LM2940CT-5.0-ND	5V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940CT-9.0-ND	9V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940CT-12-ND	12V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940CT-15-ND	15V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940IMP-5.0CT-ND	5V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-5.0TR-ND	5V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940IMP-8.0CT-ND	8V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-8.0TR-ND	8V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940IMP-9.0CT-ND	9V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-9.0TR-ND	9V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940IMP-10CT-ND	10V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-10TR-ND	10V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940IMP-12CT-ND	12V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-12TR-ND	12V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940IMP-15CT-ND	15V, 1A Low Dropout Regulator	SOT-223	2.15	1.60	1.18
LM2940IMP-15TR-ND	15V, 1A Low Dropout Regulator	SOT-223		885.76/1,000	
LM2940S-5.0-ND	5V, 1A Low Dropout Voltage Regulator	TO-263	2.11	1.57	1.16
LM2940S-8.0-ND	8V, 1A Low Dropout Regulator	TO-263	2.28	1.70	1.26
LM2940S-9.0-ND	9V, 1A Low Dropout Regulator	TO-263	2.28	1.70	1.26
LM2940S-10-ND	10V, 1A Low Dropout Regulator	TO-263	2.11	1.57	1.16
LM2940S-12-ND	12V, 1A Low Dropout Regulator	TO-263	2.11	1.57	1.16
LM2940SX-5.0TR-ND	5V, 1A Low Dropout Voltage Regulator	TO-263		442.00/500	
LM2940T-5.0-ND	5V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940T-8.0-ND	8V, 1A Low Dropout Regulator	TO-220	1.82	1.35	1.00
LM2940T-9.0-ND	9V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940T-10.0-ND	10V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2940T-12.0-ND	12V, 1A Low Dropout Voltage Regulator	TO-220	1.82	1.35	1.00
LM2941CS-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-263-5	2.28	1.70	1.26
LM2941CSXTR-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-263-5		479.05/500	
LM2941CT-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-220-5	1.82	1.35	1.00
LM2941S-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-263-5	2.11	1.57	1.16
LM2941SXCT-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-263-5	2.11	1.57	1.16
LM2941SXTR-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-263-5		442.00/500	
LM2941T-ND	Adjustable 1A Low Dropout Voltage Regulator	TO-220-5	1.82	1.35	1.00
LM2990S-5.0-ND	5V, Negative Low Dropout Regulator	TO-263	2.88	2.19	1.67
LM2990S-12-ND	12V, Negative Low Dropout Regulator	TO-263	2.88	2.19	1.67
LM2990S-15-ND	15V, Negative Low Dropout Regulator	TO-263	2.88	2.19	1.67
LM2990T-5.0-ND	5V, Negative Low Dropout Voltage Regulator	TO-220	2.88	2.19	1.67
LM2990T-5.2-ND	5.2V, Negative Low Dropout Voltage Regulator	TO-220	2.88	2.19	1.67
LM2990T-12-ND	12V, Negative Low Dropout Voltage Regulator	TO-220	2.88	2.19	1.67
LM2991S-ND	Neg. Adjustable Low Dropout Voltage Regulator	TO-263-5	2.88	2.19	1.67
LM2991T-ND	Neg. Adjustable Low Dropout Voltage Regulator	TO-220	2.88	2.19	1.67
LM3075MTC-ND	High Efficiency, Sync. Current Mode Buck Controller	20-TSSOP	4.48	3.41	2.60
LM3100MH-ND	SIMPLE SWITCHER® Sync. 1MHz, 1.5A Step-Down Voltage Regulator	20-TSSOP	5.95	4.53	3.46
LM3211MT-ADJ-ND	Step Up PWM DC-DC Converter	20-TSSOP	3.95	3.01	2.30
LM3224MM-ADJCT-ND	Adj., 615kHz/1.25MHz Step Up PWM DC-DC Converter	8-MSOP	4.53	3.44	2.63
LM3224MM-ADJTR-ND	Adj., 615kHz/1.25MHz Step Up PWM DC-DC Converter	8-MSOP		2280.60/1,000	
LM3302N-ND	Quad Comparator	14-Dip	1.05	.78	.57
LM3310SQCT-ND	Step-Up PWM DC-DC Converter	24-LLP	3.80	2.89	2.21
LM3310SQTR-ND	Step-Up PWM DC-DC Converter	24-LLP		1915.20/1,000	
LM3313SQCT-ND	Step-Up PWM DC-DC Converter	24-LLP	4.28	3.25	2.48
LM3311SQTR-ND	Step-Up PWM DC-DC Converter	24-LLP		2154.60/1,000	
LM3350MMCT-ND	Switched Capacitor Voltage Converter, 90% Eff.	8-MSOP	2.02	1.50	1.11
LM3350MMTR-ND	Switched Capacitor Voltage Converter, 90% Eff.	8-MSOP		832.00/1,000	
LM3351MMCT-ND	Switched Capacitor Voltage Converter, 95% Eff.	8-MSOP	2.02	1.50	1.11
LM3351MMTR-ND	Switched Capacitor Voltage Converter, 95% Eff.	8-MSOP		832.00/1,000	
LM3352MTC-2.5-ND	2.5V, Regulated 200mA Buck-Boost Switched Capacitor DC-DC Converter	16-TSSOP	3.53	2.68	2.05
LM3352MTC-3.0-ND	3V, Regulated 200mA Buck-Boost Switched Capacitor DC-DC Converter	16-TSSOP	3.53	2.68	2.05
LM3352MTC-3.3-ND	3.3V, Regulated 200mA Buck-Boost Switched Capacitor DC-DC Converter	16-TSSOP	3.53	2.68	2.05
LM3354MM-1.8CT-ND	1.8V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	3.00	2.28	1.74
LM3354MM-1.8TR-ND	1.8V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1512.00/1,000	
LM3354MM-3.3CT-ND	3.3V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	3.00	2.28	1.74
LM3354MM-3.3TR-ND	3.3V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1512.00/1,000	
LM3354MM-3.7CT-ND	3.7V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	3.00	2.28	1.74
LM3354MM-3.7TR-ND	3.7V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1512.00/1,000	
LM3354MM-4.1CT-ND	4.1V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	3.00	2.28	1.74
LM3354MM-4.1TR-ND	4.1V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1512.00/1,000	
LM3354MM-5.0CT-ND	5V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	3.00	2.28	1.74
LM3354MM-5.0TR-ND	5V, Regulated 90mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1512.00/1,000	
LM3355MM-4.1CT-ND	4.1V, 50mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP	2.95	2.19	1.62
LM3355MM-4.1TR-ND	4.1V, 50mA Buck-Boost Switched Capacitor DC-DC Converter	10-MSOP		1216.00/1,000	
LM3411AM5-3.3CT-ND	3.3V, Precision Secondary Regulator/Driver, A Grade	SOT-23-5	1.86	1.38	1.02
LM3411AM5-3.3TR-ND	3.3V, Precision Secondary Regulator/Driver, A Grade	SOT-23-5		768.00/1,000	
LM3411AM5-5.0CT-ND	5V, Precision Secondary Regulator/Driver, A Grade	SOT-23-5	1.86	1.38	1.02
LM3411AM5-5.0TR-ND	5V, Precision Secondary Regulator/Driver, A Grade	SOT-23-5		768.00/1,000	
LM3411M5-3.3CT-ND	3.3V, Precision Secondary Regulator/Driver	SOT-23-5	1.69	1.24	.90
LM3411M5-3.3TR-ND	3.3V, Precision Secondary Regulator/Driver	SOT-23-5		585.00/1,000	
LM3411M5-5.0CT-ND	5V, Precision Secondary Regulator/Driver	SOT-23-5	1.69	1.24	.90
LM3411M5-5.0TR-ND	5V, Precision Secondary Regulator/Driver	SOT-23-5		585.00/1,000	
LM3420AM5-8.2CT-ND	8.2V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5	2.45	1.82	1.35
LM3420AM5-8.2TR-ND	8.2V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5		1011.20/1,000	
LM3420AM5-8.4CT-ND	8.4V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5	2.45	1.82	1.35
LM3420AM5-8.4TR-ND	8.4V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5		1011.20/1,000	
LM3420AM5-16.8CT-ND	16.8V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5	2.45	1.82	1.35
LM3420AM5-16.8TR-ND	16.8V, Lithium-Ion Battery Charge Controller, A Grade	SOT-23-5		1011.20/1,000	
LM3420M5-8.2CT-ND	8.2V, Lithium-Ion Battery Charge Controller	SOT-23-5	2.14	1.59	1.18
LM3420M5-8.2TR-ND	8.2V, Lithium-Ion Battery Charge Controller	SOT-23-5		883.20/1,000	
LM3420M5-16.8CT-ND	16.8V, Lithium-Ion Battery Charge Controller	SOT-23-5	2.14	1.59	1.18
LM3420M5-16.8TR-ND	16.8V, Lithium-Ion Battery Charge Controller	SOT-23-5		883.20/1,000	
LM3460M5-1.5CT-ND	1.5V, Precision Controller for GTLp and GTL Bus Termination	SOT-23-5	2.20	1.64	1.21
LM3460M5-1.5TR-ND	1.5V, Precision Controller for GTLp and GTL Bus Termination	SOT-23-5		908.80/1,000	
LM3475MFCT-ND	Hysteretic PFET Buck Controller	SOT-23-5	1.61	1.20	.89
LM3475MFTR-ND	Hysteretic PFET Buck Controller	SOT-23-5		665.60/1,000	
LM3477AMMCT-ND	High Efficiency High Side N-Channel Controller for Switching Regulator	8-MSOP	2.65	1.97	1.46
LM3477AMMTR-ND	High Efficiency High Side N-Channel Controller for Switching Regulator	8-MSOP		1094.40/1,000	
LM3477MMCT-ND	High Efficiency High Side N-Channel Controller for Switching Regulator	8-MSOP	2.65	1.97	1.46
LM3477MMTR-ND	High Efficiency High Side N-Channel Controller for Switching Regulator	8-MSOP		1094.40/1,000	
LM3478MMCT-ND	High Eff. Low-Side N-Ch. Controller for Switching Reg.	8-MSOP	2.62	1.95	1.44
LM3478MMTR-ND	High Eff. Low-Side N-Ch. Controller for Switching Reg.	8-MSOP		1081.60/1,000	
LM3480IM3X-12CT-ND	12V, 100mA Low Dropout Voltage Regulator	SOT-23	1.13	.83	.60
LM3480IM3X-12TR-ND	12V, 100mA Low Dropout Voltage Regulator	SOT-23		1147.50/3,000	
LM3480IM3-3.3CT-ND	3.3V, 100mA Low Dropout Voltage Regulator	SOT-23	1.13	.83	.60
LM3480IM3-3.3TR-ND	3.3V, 100mA Low Dropout Voltage Regulator	SOT-23		390.00/1,000	
LM3480IM3-5.0CT-ND	5.0V, 100mA Low Dropout Voltage Regulator	SOT-23	1.13	.83	.60
LM3480IM3-5.0TR-ND	5.0V, 100mA Low Dropout Voltage Regulator	SOT-23		390.00/1,000	
LM3485MMCT-ND	Hysteric PFET Buck Controller	8-MSOP	1.56	1.16	.86
LM3485MMTR-ND	Hysteric PFET Buck Controller	8-MSOP		645.12/1,000	
LM3488MMCT-ND	High Eff. Low Side N-Ch. Controller for Switching Reg.	8-MSOP	2.77	2.06	1.52
LM3488MMTR-ND	High Eff. Low Side N-Ch. Controller for Switching Reg.	8-MSOP		1143.04/1,000	
LM3489MMCT-ND	Hysteretic PFET Buck Controller with Enable Pin* **NEW!**	8-MSOP	1.77	1.32	.97
LM3489MMTR-ND	Hysteretic PFET Buck Controller with Enable Pin* **NEW!**	8-MSOP		729.60/1,000	
LM3490IM5-3.3CT-ND	3.3V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5	1.16	.86	.62
LM3490IM5-3.3TR-ND	3.3V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5		403.00/1,000	
LM3490IM5-5.0CT-ND	5V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5	1.16	.86	.62
LM3490IM5-5.0TR-ND	5V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5		403.00/1,000	
LM3490IM5-12CT-ND	12V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5	1.16	.86	.62
LM3490IM5-12TR-ND	12V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5		403.00/1,000	
LM3490IM5-15CT-ND	15V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5	1.16	.86	.62
LM3490IM5-15TR-ND	15V, 100mA Quasi LDO Linear Voltage Regulator with Logic-Controlled ON/OFF	SOT-23-5		403.00/1,000	
LM3495MTC-ND	Emulated Peak Current Mode Buck Controller for Low Output Voltage* **NEW!**	16-TSSOP	6.15	4.87	3.90
LM3495MTCXCT-ND	Emulated Peak Current Mode Buck Controller for Low Output Voltage* **NEW!**	16-TSSOP	6.15	4.87	3.90
LM3495MTCXTR-ND	Emulated Peak Current Mode Buck Controller for Low Output Voltage* **NEW!**	16-TSSOP		8936.50/2,500	
LM3500TL-16-ND	Sync. Step-Up DC-DC Converter	8-microSMD	3.33	2.53	1.93
LM3500TL-21CT-ND	Sync. Step-Up DC-DC Converter	8-microSMD	3.50	2.66	2.03
LM3500TL-21TR-ND	Sync. Step-Up DC-DC Converter	8-microSMD		465.50/250	
LM3501TL-16CT-ND	Sync. Step-Up DC-DC Converter for White LED	8-SMD	3.58	2.72	2.08
LM3502ITL-16CT-ND	16V Step-Up Converter for White LED	10-microSMD	5.00	3.80	2.90
LM3502ITL-16TR-ND	16V Step-Up Converter for White LED	10-microSMD		665.00/250	
LM3502ITL-25CT-ND	25V Step-Up Converter for White LED	10-microSMD	5.08	3.86	2.95
LM3502ITL-25TR-ND	25V Step-Up Converter for White LED	10-microSMD		674.98/250	
LM3502ITL-44CT-ND	44V Step-Up Converter for White LED	10-microSMD	6.10	4.64	3.54
LM3502ITL-44TR-ND	44V Step-Up Converter for White LED	10-microSMD		811.30/250	
LM3502SQ-16CT-ND	16V Step-Up Converter for White LED*	16-LLP	4.58	3.48	2.66
LM3502SQ-16TR-ND	16V Step-Up Converter for White LED*	16-LLP		2305.80/1,000	
LM3502SQ-25CT-ND	25V Step-Up Converter for White LED	16-LLP	4.85	3.69	2.82
LM3502SQ-25TR-ND	25V Step-Up Converter for White LED	16-LLP		2444.40/1,000	
LM3502SQ-35CT-ND	35V Step-Up Converter for White LED	16-LLP	5.33	4.05	3.09
LM3502SQ-35TR-ND	35V Step-Up Converter for White LED	16-LLP		2683.80/1,000	
LM3502SQ-44CT-ND	44V Step-Up Converter for White LED*	16-LLP	5.83	4.43	3.38
LM3502SQ-44TR-ND	44V Step-Up Converter for White LED*	16-LLP		2935.80/1,000	
LM3503ITL-16CT-ND	16V Dual Display Constant Current LED Driver	10-microSMD	5.00	3.80	2.90
LM3503ITL-16TR-ND	16V Dual Display Constant Current LED Driver	10-microSMD		665.00/250	
LM3503ITL-25CT-ND	25V Dual Display Constant Current LED Driver	10-microSMD	5.08	3.86	2.95
LM3503ITL-25TR-ND	25V Dual Display Constant Current LED Driver	10-microSMD		674.98/250	
LM3503ITL-35CT-ND	35V Dual Display Constant Current LED Driver	10-microSMD	5.60	4.26	3.25

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
M3503ITL-35TR-ND	35V Dual Display Constant Current LED Driver	10-microSMD		744.80/250	
M3503ITL-44CT-ND	44V Dual Display Constant Current LED Driver	10-microSMD	6.10	4.64	3.54
M3503ITL-44TR-ND	44V Dual Display Constant Current LED Driver	10-microSMD		811.30/250	
M3503SQ-16CT-ND	16V Dual Display Constant Current LED Driver	16-LLP	4.58	3.48	2.66
M3503SQ-16TR-ND	16V Dual Display Constant Current LED Driver	16-LLP		2305.80/1,000	
M3503SQ-25CT-ND	25V Dual Display Constant Current LED Driver	16-LLP	4.85	3.69	2.82
M3503SQ-25TR-ND	25V Dual Display Constant Current LED Driver	16-LLP		2444.40/1,000	
M3503SQ-35CT-ND	35V Dual Display Constant Current LED Driver	16-LLP	5.33	4.05	3.09
M3503SQ-35TR-ND	35V Dual Display Constant Current LED Driver	16-LLP		2683.80/1,000	
M3503SQ-44CT-ND	44V Dual Display Constant Current LED Driver	16-LLP	5.83	4.43	3.38
M3503SQ-44TR-ND	44V Dual Display Constant Current LED Driver	16-LLP		2935.80/1,000	
M3519MK-20CT-ND	20V High Frequency Boost White LED Driver	SOT-23-6	2.85	2.17	1.66
M3519MK-20TR-ND	20V High Frequency Boost White LED Driver	SOT-23-6		1436.40/1,000	
M3520SDCT-ND	Integrated White LED Driver	14-LLP	6.18	4.70	3.59
M3520SDTR-ND	Integrated White LED Driver	14-LLP		3112.20/1,000	
M3524DM-ND	Regulating Pulse Width Modulator	16-SOIC	1.58	1.18	.87
M3524DN-ND	Regulating Pulse Width Modulator	16-Dip	1.98	1.47	1.09
M3525M-H-ND	Single Port USB Power Switch/Over-Current Protection	8-SOIC	1.98	1.48	1.09
M3525M-L-ND	Single Port USB Power Switch/Over-Current Protection	8-SOIC	1.98	1.48	1.09
M3526M-H-ND	Dual Port USB Power Switch/Over-Current Protection	8-SOIC	2.26	1.68	1.25
M3526M-L-ND	Dual Port USB Power Switch/Over-Current Protection	8-SOIC	2.26	1.68	1.25
M3544M-H-ND	Quad Port USB Power Switch/Over-Current Protection	16-SOIC	3.83	2.91	2.22
M3551SDCT-ND	1A White LED Driver*	14-LLP	2.63	2.00	1.53
M3551SDTR-ND	1A White LED Driver*	14-LLP		1323.00/1,000	
M3552SDCT-ND	1A White LED Driver*	14-LLP	2.63	2.00	1.53
M3552SDTR-ND	1A White LED Driver*	14-LLP		1323.00/1,000	
M3557SD-2CT-ND	Step-Up Converter for White LED Applications* NEW!	8-LLP	2.54	1.85	1.40
M3557SD-2TR-ND	Step-Up Converter for White LED Applications* NEW!	8-LLP		1049.60/1,000	
M3570SDCT-ND	Low Noise White LED Driver System	14-LLP	3.33	2.53	1.93
M3570SDTR-ND	Low Noise White LED Driver System	14-LLP		1675.80/1,000	
M3578AM-ND	Switching Regulator	8-SOIC	2.11	1.57	1.16
M3578AMXTR-ND	Switching Regulator	8-SOIC		2125.00/2,500	
M3578AN-ND	Switching Regulator	8-Dip	2.11	1.57	1.16
M3590MFCT-ND	Triple White LED Driver	SOT-23-5	1.43	1.05	.76
M3590MFTR-ND	Triple White LED Driver	SOT-23-5		494.00/1,000	
M3595LDCT-ND	Quad Parallel White LED Driver	10-LLP	2.65	1.97	1.46
M3595LDTR-ND	Quad Parallel White LED Driver	10-LLP		1094.40/1,000	
M3620M5-4CT-ND	4V, Lithium-Ion Battery Charger Controller	SOT-23-5	2.08	1.55	1.14
M3620M5-8CT-ND	8V, Lithium-Ion Battery Charger Controller	SOT-23-5	2.08	1.55	1.14
M3620M5-8TR-ND	8V, Lithium-Ion Battery Charger Controller	SOT-23-5		857.50/1,000	
M3621M-ND	Single Cell Lithium-Ion Battery Charger Controller	16-SOIC	2.98	2.27	1.73
M3622AM-4.1-ND	4.1V, Lithium-Ion Battery Charger Controller	8-SOIC	2.78	2.11	1.61
M3622AM-4.2-ND	4.2V, Lithium-Ion Battery Charger Controller	8-SOIC	2.78	2.11	1.61
M3622AM-8.2-ND	8.2V, Lithium-Ion Battery Charger Controller	8-SOIC	2.78	2.11	1.61
M3622AM-8.4-ND	8.4V, Lithium-Ion Battery Charger Controller	8-SOIC	2.78	2.11	1.61
M3622M-4.1-ND	4.1V, Lithium-Ion Battery Charger Controller	8-SOIC	2.64	1.96	1.45
M3622M-4.2-ND	4.2V, Lithium-Ion Battery Charger Controller	8-SOIC	2.64	1.96	1.45
M3622M-8.2-ND	8.2V, Lithium-Ion Battery Charger Controller	8-SOIC	2.64	1.96	1.45
M3622M-8.4-ND	8.4V, Lithium-Ion Battery Charger Controller	8-SOIC	2.64	1.96	1.45
LM3655TLCT-ND	Charge Control and Protection IC for Embedded Single Cell Li-Ion/Polymer Batteries	25-microSMD	3.80	2.89	2.21
LM3655TLTR-ND	Charge Control and Protection IC for Embedded Single Cell Li-Ion/Polymer Batteries	25-microSMD		505.40/250	
LM3658SDCT-ND	Dual Source USB/AC Li Chemistry Charger IC*	10-LLP	3.58	2.72	2.08
LM3658SDTR-ND	Dual Source USB/AC Li Chemistry Charger IC*	10-LLP		1801.80/1,000	
LM3670MF-ADJCT-ND	Adj., Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-ADJTR-ND	Adj., Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-1.2CT-ND	1.2V, Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-1.2TR-ND	1.2V, Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-1.5CT-ND	1.5V, Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-1.5TR-ND	1.5V, Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-1.6CT-ND	1.6V, Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-1.6TR-ND	1.6V, Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-1.8CT-ND	1.8V, Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-1.8TR-ND	1.8V, Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-1.875CT-ND	1.875V, Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MF-1.875TR-ND	1.875V, Mini Step-Down DC-DC Converter	SOT-23-5		1537.20/1,000	
LM3670MF-2.5CT-ND	2.5V, Mini Step-Down DC-DC Converter*	SOT-23-5	3.05	2.32	1.77
LM3670MF-2.5TR-ND	2.5V, Mini Step-Down DC-DC Converter*	SOT-23-5		1537.20/1,000	
LM3670MF-3.3CT-ND	3.3V, Mini Step-Down DC-DC Converter*	SOT-23-5	3.05	2.32	1.77
LM3670MF-3.3TR-ND	3.3V, Mini Step-Down DC-DC Converter*	SOT-23-5		1537.20/1,000	
LM3670MFX-ADJCT-ND	Adj., Mini Step-Down DC-DC Converter	SOT-23-5	3.05	2.32	1.77
LM3670MFX-ADJTR-ND	Adj., Mini Step-Down DC-DC Converter	SOT-23-5		4575.00/3,000	
LM3671MF-ADJCT-ND	Adj., 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-ADJTR-ND	Adj., 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.2CT-ND	1.2V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.2TR-ND	1.2V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.25CT-ND	1.25V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.25TR-ND	1.25V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.375CT-ND	1.375V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.375TR-ND	1.375V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.5CT-ND	1.5V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.5TR-ND	1.5V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.6CT-ND	1.6V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.6TR-ND	1.6V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.8CT-ND	1.8V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.8TR-ND	1.8V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671MF-1.875CT-ND	1.875V, 600mA Step-Down DC-DC Converter	SOT-23-5	3.38	2.57	1.96
LM3671MF-1.875TR-ND	1.875V, 600mA Step-Down DC-DC Converter	SOT-23-5		1701.00/1,000	
LM3671TL-1.2CT-ND	1.2V, 600mA Step-Down DC-DC Converter	5-microSMD	3.38	2.57	1.96
LM3671TL-1.2TR-ND	1.2V, 600mA Step-Down DC-DC Converter	5-microSMD		448.88/250	
LM3671TL-1.5CT-ND	1.5V, 600mA Step-Down DC-DC Converter	5-microSMD	3.38	2.57	1.96
LM3671TL-1.5TR-ND	1.5V, 600mA Step-Down DC-DC Converter	5-microSMD		448.88/250	
LM3671TL-1.8CT-ND	1.8V, 600mA Step-Down DC-DC Converter	5-microSMD	3.38	2.57	1.96
LM3671TL-1.8TR-ND	1.8V, 600mA Step-Down DC-DC Converter	5-microSMD		448.88/250	
LM3671TL-1.875CT-ND	1.875V, 600mA Step-Down DC-DC Converter	5-microSMD	3.38	2.57	1.96
LM3671TL-1.875TR-ND	1.875V, 600mA Step-Down DC-DC Converter	5-microSMD		448.88/250	
LM3700XCBP-290CT-ND	2.9V, Microprocessor Supervisory Circuit	9-microSMD	1.43	1.05	.76
LM3700XCBP-290TR-ND	2.9V, Microprocessor Supervisory Circuit	9-microSMD		142.50/250	
LM3702XCBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD	1.61	1.18	.86
LM3702XCBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD		160.50/250	
LM3702YABP-290CT-ND	2.9V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD	1.61	1.18	.86

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM3702YABP-290TR-ND	2.9V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD		160.50/250	
LM3702YABP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD	1.61	1.18	.86
LM3702YABP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD		160.50/250	
LM3703XCBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD	1.61	1.18	.86
LM3703XCBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Manual Reset	9-microSMD		160.50/250	
LM3704XBMM-232CT-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XBMM-232TR-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XBMM-463CT-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XBMM-463TR-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XCMM-263CT-ND	2.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XCMM-263TR-ND	2.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XCMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XCMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XDMM-220CT-ND	2.2V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XDMM-220TR-ND	2.2V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XDMM-232CT-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XDMM-232TR-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704XDMM-463CT-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704XDMM-463TR-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704YAMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704YAMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704YBMM-360CT-ND	3.60V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704YBMM-360TR-ND	3.60V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704YCMM-232CT-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704YCMM-232TR-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3704YCMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3704YCMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3705XCMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.50	1.86	1.38
LM3705XCMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1034.24/1,000	
LM3706XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD	2.80	2.08	1.54
LM3706XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD		304.76/250	
LM3708XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD	2.95	2.19	1.62
LM3708XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD		320.63/250	
LM3708XQTP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD	2.95	2.19	1.62
LM3708XQTP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD		320.63/250	
LM3709XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD	2.95	2.19	1.62
LM3709XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Low Line Output	9-microSMD		320.63/250	
LM3710XKMM-232CT-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.63	2.00	1.53
LM3710XKMM-232TR-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1323.00/1,000	
LM3710XKMM-463CT-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.63	2.00	1.53
LM3710XKMM-463TR-ND	4.63V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1323.00/1,000	
LM3710XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD	2.85	2.17	1.66
LM3710XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD		379.05/250	
LM3710XQMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.63	2.00	1.53
LM3710XQMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1323.00/1,000	
LM3710YQMM-232CT-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.63	2.00	1.53
LM3710YQMM-232TR-ND	2.32V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1323.00/1,000	
LM3711XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD	2.85	2.17	1.66
LM3711XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD		379.05/250	
LM3711XQMM-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP	2.63	2.00	1.53
LM3711XQMM-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	10-MSOP		1323.00/1,000	

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM3712XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD	2.85	2.17	1.66
LM3712XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD		379.05/250	
LM3713XQBP-308CT-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD	2.85	2.17	1.66
LM3713XQBP-308TR-ND	3.08V, Microprocessor Supervisory Circuit with Power Fail Input	9-microSMD		379.05/250	
LM3722EME-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3722EME-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3722EMF-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3722EMF-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3722EMF-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3722EMF-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3722IM5-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3722IM5-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3722IM5-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3722IM5-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3722IM5-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3722IM5-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3723EME-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3723EME-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3723EME-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3723EME-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3723EME-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3723EME-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3723IM5-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3723IM5-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3723IM5-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3723IM5-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3723IM5-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3723IM5-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3724EME-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3724EME-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3724EME-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3724EME-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3724EME-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.80	2.08	1.54
LM3724EME-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		1155.84/1,000	
LM3724IM5-2.32CT-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3724IM5-2.32TR-ND	2.32V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3724IM5-3.08CT-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3724IM5-3.08TR-ND	3.08V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3724IM5-4.63CT-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5	2.36	1.75	1.30
LM3724IM5-4.63TR-ND	4.63V, Microprocessor Reset Circuit	SOT-23-5		972.80/1,000	
LM3812M-1.0-ND	Precision Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, High Side	8-SOIC	3.20	2.44	1.86
LM3812M-7.0-ND	Precision Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, High Side	8-SOIC	3.20	2.44	1.86
LM3813M-1.0-ND	Precision Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, Low Side	8-SOIC	3.20	2.44	1.86
LM3813M-7.0-ND	Precision Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, Low Side	8-SOIC	3.20	2.44	1.86
LM3814M-1.0-ND	Fast Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, High Side	8-SOIC	3.20	2.44	1.86
LM3814M-7.0-ND	Fast Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, High Side	8-SOIC	3.20	2.44	1.86
LM3815M-1.0-ND	Fast Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, Low Side	8-SOIC	3.20	2.44	1.86
LM3815M-7.0-ND	Fast Current Gauge IC with Ultra Low Loss Sense Element and PWM Output, Low Side	8-SOIC	3.20	2.44	1.86
LM3822MM-1.0CT-ND	Precision Current Gauge IC with Internal Zero Ohm Sense Element and PWM Output, High Side	8-MSOP	3.00	2.28	1.74
LM3822MM-1.0TR-ND	Precision Current Gauge IC with Internal Zero Ohm Sense Element and PWM Output, High Side	8-MSOP		1512.00/1,000	
LM3822MM-2.0CT-ND	Precision Current Gauge IC with Internal Zero Ohm Sense Element and PWM Output, High Side	8-MSOP	3.00	2.28	1.74
LM3822MM-2.0TR-ND	Precision Current Gauge IC with Internal Zero Ohm Sense Element and PWM Output, High Side	8-MSOP		1512.00/1,000	
LM3875T-ND	High Performance 56W Audio Power Amp	TO-220-11	5.78	4.39	3.35
LM3875TF-ND	High Performance 56W Audio Power Amp	TO-220-11	6.18	4.70	3.59
LM3876T-ND	High Performance 56W Audio Power Amp with Mute	TO-220-11	4.90	3.73	2.85
LM3876TF-ND	High Performance 56W Audio Power Amp with Mute	TO-220-11	5.78	4.39	3.35
LM3886T-ND	High Performance 68W Audio Power Amp with Mute	TO-220-11	6.18	4.70	3.59
LM3886TF-ND	High Performance 68W Audio Power Amp with Mute	TO-220-11	5.36	4.24	3.40
LM3914N-1-ND	Dot/Bar Display Driver	18-Dip	2.87	2.14	1.58
LM3914V-ND	Dot/Bar Graph Display Driver	20-PLCC	3.48	2.65	2.02
LM3914VXQT-ND	Dot/Bar Graph Display Driver	20-PLCC	3.48	2.65	2.02
LM3914VXTR-ND	Dot/Bar Graph Display Driver	20-PLCC		1751.40/1,000	
LM3915N-1-ND	Dot/Bar Display Driver	18-Dip	2.64	1.96	1.45
LM3916N-1-ND	Dot/Bar Display Driver	18-Dip	2.64	1.96	1.45
LM3940IMP-3.3CT-ND	1A Low Dropout Regulator for 5V to 3.3V Conversion	SOT-223	1.92	1.43	1.06
LM3940IMP-3.3TR-ND	1A Low Dropout Regulator for 5V to 3.3V Conversion	SOT-223		793.60/1,000	
LM3940IS-3.3-ND	1A Low Dropout Regulator for 5V to 3.3V Conversion	TO-263	2.21	1.65	1.22
LM3940ISX-3.3TR-ND	1A Low Dropout Regulator for 5V to 3.3V Conversion	TO-263		464.10/500	
LM3940IT-3.3-ND	1A Low Dropout Regulator for 5V to 3.3V Conversion	TO-220	2.06	1.53	1.13
LM4040AIM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4040AIM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4040AIM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4040AIM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4040AIM3-10.0CT-ND	10V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3-10.0TR-ND	10V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4040AIM3X-10CT-ND	10V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4040AIM3X-10TR-ND	10V, Precision Micropower Shunt Voltage Reference ±.1%	SOT-23		2595.00/3,000	
LM4040AIZ-2.5-ND	2.5V, Precision Micropower Shunt Voltage Reference ±.1%	TO-92	2.15	1.60	1.18
LM4040AIZ-4.1-ND	4.1V, Precision Micropower Shunt Voltage Reference ±.1%	TO-92	2.15	1.60	1.18
LM4040AIZ-5.0-ND	5V, Prec. Micropower Shunt Voltage Reference ±.1%	TO-92	2.15	1.60	1.18
LM4040AIZ-10.0-ND	10V, Prec. Micropower Shunt Voltage Reference ±.1%	TO-92	2.15	1.60	1.18
LM4040BIM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM3-4.1CT-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM4040BIM3-4.1TR-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM3-5.0CT-ND	5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM3-5.0TR-ND	5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM3-8.2CT-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM3-8.2TR-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM3-10.0CT-ND	10V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM3-10.0TR-ND	10V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM7-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM7-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIM7-4.1CT-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4040BIM7-4.1TR-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4040BIZ-2.5-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.2%	TO-92	1.63	1.22	.90
LM4040BIZ-4.1-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.2%	TO-92	1.63	1.22	.90
LM4040BIZ-5.0-ND	5V, Prec. Micropower Shunt Voltage Reference ±.2%	TO-92	1.63	1.22	.90
LM4040CIM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4040CIM3-4.1NSCT-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3-4.1NSTR-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4040CIM3-5.0NSCT-ND	5V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3-5.0NSTR-ND	5V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4040CIM3-8.2CT-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3-8.2TR-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4040CIM3-10.0CT-ND	10V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3-10.0TR-ND	10V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4040CIM3X-10CT-ND	10V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4040CIM3X-10TR-ND	10V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		1170.45/3,000	
LM4040CIM7-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5	1.15	.85	.62
LM4040CIM7-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5		397.80/1,000	
LM4040CIZ-2.5-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4040CIZ-4.1-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4040CIZ-5.0-ND	5V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4040CIZ-8.2-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4040CIZ-10.0-ND	10V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4040DEM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DEM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		344.50/1,000	
LM4040DEM3-5.0CT-ND	5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DEM3-5.0TR-ND	5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		344.50/1,000	
LM4040DIM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DIM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		343.20/1,000	
LM4040DIM3-4.1CT-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DIM3-4.1TR-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		343.20/1,000	
LM4040DIM3-5.0NSCT-ND	5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DIM3-5.0NSTR-ND	5V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		343.20/1,000	
LM4040DIM3-10.0CT-ND	10V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DIM3-10.0TR-ND	10V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		343.20/1,000	
LM4040DIM3X-10CT-ND	10V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23	.99	.73	.53
LM4040DIM3X-10TR-ND	10V, Prec. Micropower Shunt Voltage Reference ±1%	SOT-23		1009.80/3,000	
LM4040DIZ-2.5-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±1%	TO-92	.99	.73	.53
LM4040DIZ-4.1-ND	4.1V, Prec. Micropower Shunt Voltage Reference ±1%	TO-92	.99	.73	.53
LM4040DIZ-5.0-ND	5V, Prec. Micropower Shunt Voltage Reference ±1%	TO-92	.99	.73	.53
LM4040DIZ-8.2-ND	8.2V, Prec. Micropower Shunt Voltage Reference ±1%	TO-92	.99	.73	.53
LM4040DIZ-10.0-ND	10V, Prec. Micropower Shunt Voltage Reference ±1%	TO-92	.99	.73	.53
LM4040EEM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23	.97	.71	.52
LM4040EEM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23		335.40/1,000	
LM4040EIM3-2.5CT-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23	.99	.72	.52
LM4040EIM3-2.5TR-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23		309.40/1,000	
LM4040EIZ-2.5-ND	2.5V, Prec. Micropower Shunt Voltage Reference ±2%	TO-92	.99	.72	.52
LM4041AIM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.1%	SOT-23	2.15	1.60	1.18
LM4041AIM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.1%	SOT-23		885.76/1,000	
LM4041AIZ-1.2-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.1%	TO-92	2.15	1.60	1.18
LM4041BIZ-1.2-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.2%	TO-92	1.63	1.22	.90
LM4041BIM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23	1.63	1.22	.90
LM4041BIM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.2%	SOT-23		674.56/1,000	
LM4041CEM3-ADJCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.16	.85	.62
LM4041CEM3-ADJTR-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		401.70/1,000	
LM4041CIM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.16	.85	.62
LM4041CIM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		401.70/1,000	
LM4041CIM3-1.2NSCT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4041CIM3-1.2NSTR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4041CIM3-ADJCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23	1.15	.85	.62
LM4041CIM3-ADJTR-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SOT-23		397.80/1,000	
LM4041CIM7-ADJCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5	1.15	.85	.62
LM4041CIM7-ADJTR-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5		397.80/1,000	
LM4041CIM7-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5	1.15	.85	.62
LM4041CIM7-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	SC-70-5		397.80/1,000	
LM4041CIZ-1.2-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4041CIZ-ADJ-ND	Adj. Prec. Micropower Shunt Voltage Reference ±.5%	TO-92	1.15	.85	.62
LM4041DEM3-ADJCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23	.99	.73	.53
LM4041DEM3-ADJTR-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23		344.50/1,000	
LM4041DEM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23	.99	.73	.53
LM4041DEM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23		344.50/1,000	
LM4041DIM3-ADJCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23	.99	.73	.53
LM4041DIM3-1.2NSTR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23		343.20/1,000	
LM4041DIM3-ADJNSCT-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23	.99	.73	.53
LM4041DIM3-ADJNSTR-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	SOT-23		338.00/1,000	
LM4041DIZ-ADJ-ND	Adj. Prec. Micropower Shunt Voltage Reference ±1.0%	TO-92	.99	.73	.53
LM4041DIZ-1.2-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±1.0%	TO-92	.99	.73	.53
LM4041EEM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23	.97	.71	.52
LM4041EEM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23		335.40/1,000	
LM4041EIM3-1.2CT-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23	.99	.72	.52
LM4041EIM3-1.2TR-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±2%	SOT-23		309.40/1,000	
LM4041EIZ-1.2-ND	1.2V, Prec. Micropower Shunt Voltage Reference ±2%	TO-92	.99	.72	.52
LM4050AEM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4050AEM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23		1499.40/1,000	
LM4050AEM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4050AEM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23		1492.40/1,000	
LM4050AEM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4050AEM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23		1499.40/1,000	
LM4050AEM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4050AEM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1499.40/1,000	
LM4050AEM3-10CT-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4050AEM3-10TR-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23		1499.40/1,000	
LM4050AIM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4050AIM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4050AIM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM4050AIM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4050AIM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4050AIM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4050AIM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4050AIM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4050AIM3-10CT-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4050AIM3-10TR-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4050BEM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4050BEM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4050BEM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4050BEM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4050BEM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4050BEM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4050BEM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4050BEM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4050EM3-10CT-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4050EM3-10TR-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4050EM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.17	1.61	1.19
LM4050EM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23		896.00/1,000	
LM4050EM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23	2.17	1.61	1.19
LM4050EM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23		896.00/1,000	
LM4050EM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.17	1.61	1.19
LM4050EM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23		896.00/1,000	
LM4050EM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.17	1.61	1.19
LM4050EM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23		896.00/1,000	
LM4050IM3-10CT-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23	2.17	1.61	1.19
LM4050IM3-10TR-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23		896.00/1,000	
LM4050CEM3-2.5CT-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4050CEM3-2.5TR-ND	2.5V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4050CEM3-4.1CT-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4050CEM3-4.1TR-ND	4.1V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4050CEM3-5.0CT-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4050CEM3-5.0TR-ND	5V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4050CEM3-8.2CT-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4050CEM3-8.2TR-ND	8.2V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4050CIM3-10CT-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4050CIM3-10TR-ND	10V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4051AEM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	1.74	1.29	.96
LM4051AEM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		716.80/1,000	
LM4051AEM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.98	2.27	1.73
LM4051AEM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1499.40/1,000	
LM4051AIM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4051AIM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4051AIM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.65	2.02	1.54
LM4051AIM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1335.60/1,000	
LM4051BEM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4051BEM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4051BEM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.57	1.91	1.42
LM4051BEM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		1062.40/1,000	
LM4051BIM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	2.11	1.57	1.16
LM4051BIM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		870.40/1,000	
LM4051BIM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.11	1.57	1.16
LM4051BIM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		870.40/1,000	
LM4051CEM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4051CEM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4051CEM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	2.33	1.73	1.28
LM4051CEM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		960.00/1,000	
LM4051CIM3-ADJCT-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23	1.95	1.45	1.08
LM4051CIM3-ADJTR-ND	Adj, Precision Micropower Shunt Voltage Reference	SOT-23		806.40/1,000	
LM4051CIM3-1.2CT-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23	1.95	1.45	1.08
LM4051CIM3-1.2TR-ND	1.2V, Precision Micropower Shunt Voltage Reference	SOT-23		806.40/1,000	
LM4120AIM5-1.8CT-ND	1.8V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-1.8TR-ND	1.8V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-2.0CT-ND	2V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-2.0TR-ND	2V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-2.5CT-ND	2.5V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-2.5TR-ND	2.5V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-3.0CT-ND	3V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-3.0TR-ND	3V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-3.3CT-ND	3.3V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-3.3TR-ND	3.3V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-4.1CT-ND	4.1V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-4.1TR-ND	4.1V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120AIM5-5.0CT-ND	5V, Precision Micropower LDO Reference	SOT-23-5	2.95	2.19	1.62
LM4120AIM5-5.0TR-ND	5V, Precision Micropower LDO Reference	SOT-23-5		1216.00/1,000	
LM4120IM5-1.8CT-ND	1.8V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-1.8TR-ND	1.8V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-2.0CT-ND	2V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-2.0TR-ND	2V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-2.5CT-ND	2.5V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-2.5TR-ND	2.5V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-3.0CT-ND	3V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-3.0TR-ND	3V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-3.3CT-ND	3.3V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-3.3TR-ND	3.3V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-4.1CT-ND	4.1V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-4.1TR-ND	4.1V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4120IM5-5.0CT-ND	5V, Precision Micropower LDO Reference	SOT-23-5	2.50	1.86	1.38
LM4120IM5-5.0TR-ND	5V, Precision Micropower LDO Reference	SOT-23-5		1034.24/1,000	
LM4121AIM5-ADJCT-ND	Adj., Precision Micropower LDO Voltage Reference	SOT-23-5	2.64	1.96	1.45
LM4121AIM5-ADJTR-ND	Adj., Precision Micropower LDO Voltage Reference	SOT-23-5		1088.00/1,000	
LM4121AIM5-1.2CT-ND	1.2V, Precision Micropower LDO Voltage Reference	SOT-23-5	2.64	1.96	1.45
LM4121AIM5-1.2TR-ND	1.2V, Precision Micropower LDO Voltage Reference	SOT-23-5		1088.00/1,000	
LM4121IM5-ADJCT-ND	Adj., Precision Micropower LDO Voltage Reference	SOT-23-5	2.24	1.67	1.23
LM4121IM5-ADJTR-ND	Adj., Precision Micropower LDO Voltage Reference	SOT-23-5		925.44/1,000	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM4121IM5-1.2CT-ND	1.2V, Precision Micropower LDO Voltage Reference	SOT-23-5	2.24	1.67	1.23
LM4121IM5-1.2TR-ND	1.2V, Precision Micropower LDO Voltage Reference	SOT-23-5		925.44/1,000	
LM4125AIM5-2.0CT-ND	2V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.93	2.99	2.28
LM4125AIM5-2.0TR-ND	2V, Precision Micropower LDO Voltage Reference	SOT-23-5		1978.20/1,000	
LM4125AIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.93	2.99	2.28
LM4125AIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		1978.20/1,000	
LM4125AIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.93	2.99	2.28
LM4125AIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		1971.60/1,000	
LM4125IM5-2.0CT-ND	2V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.60	2.74	2.09
LM4125IM5-2.0TR-ND	2V, Precision Micropower LDO Voltage Reference	SOT-23-5		1814.40/1,000	
LM4125IM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.60	2.74	2.09
LM4125IM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		1814.40/1,000	
LM4125IM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.60	2.74	2.09
LM4125IM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		1814.40/1,000	
LM4130AIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	6.26	4.95	3.97
LM4130AIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		3695.20/1,000	
LM4130AIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	6.26	4.95	3.97
LM4130AIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		3695.20/1,000	
LM4130IIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	5.10	3.88	2.96
LM4130IIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		2570.40/1,000	
LM4130IIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	5.10	3.88	2.96
LM4130IIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		2570.40/1,000	
LM4130CIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	4.25	3.23	2.47
LM4130CIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		2142.00/1,000	
LM4130CIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	4.25	3.23	2.47
LM4130CIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		2142.00/1,000	
LM4130DIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.23	2.46	1.88
LM4130DIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		1625.40/1,000	
LM4130DIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	3.23	2.46	1.88
LM4130DIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		1625.40/1,000	
LM4130EIM5-2.5CT-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5	2.88	2.19	1.67
LM4130EIM5-2.5TR-ND	2.5V, Precision Micropower LDO Voltage Reference	SOT-23-5		1449.00/1,000	
LM4130EIM5-4.1CT-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5	2.88	2.19	1.67
LM4130EIM5-4.1TR-ND	4.1V, Precision Micropower LDO Voltage Reference	SOT-23-5		1449.00/1,000	
LM4140ACM-1.0-ND	1V, Precision Micropower LDO Voltage Reference	8-SOIC	7.98	6.31	5.06
LM4140ACM-1.2-ND	1.2V, Precision Micropower LDO Voltage Reference	8-SOIC	7.98	6.31	5.06
LM4140ACM-2.0-ND	2V, Precision Micropower LDO Voltage Reference	8-SOIC	7.98	6.31	5.06
LM4140ACM-2.5-ND	2.5V, Precision Micropower LDO Voltage Reference	8-SOIC	7.98	6.31	5.06
LM4140CM-1.0-ND	1V, Precision Micropower LDO Voltage Reference	8-SOIC	5.69	4.50	3.61
LM4140CM-1.2-ND	1.2V, Precision Micropower LDO Voltage Reference	8-SOIC	5.69	4.50	3.61
LM4140BCM-2.0-ND	2V, Precision Micropower LDO Voltage Reference	8-SOIC	5.69	4.50	3.61
LM4140BCM-2.5-ND	2.5V, Precision Micropower LDO Voltage Reference	8-SOIC	5.69	4.50	3.61
LM4140BCM-4.1-ND	4.1V, Precision Micropower LDO Voltage Reference	8-SOIC	5.69	4.50	3.61
LM4140CCM-1.0-ND	1V, Precision Micropower LDO Voltage Reference	8-SOIC	3.58	2.72	2.08
LM4140CCM-1.2-ND	1.2V, Precision Micropower LDO Voltage Reference	8-SOIC	3.58	2.72	2.08
LM4140CCM-2.0-ND	2V, Precision Micropower LDO Voltage Reference	8-SOIC	3.58	2.72	2.08
LM4140CCM-2.5-ND	2.5V, Precision Micropower LDO Voltage Reference	8-SOIC	3.58	2.72	2.08
LM4140CCM-4.1-ND	4.1V, Precision Micropower LDO Voltage Reference	8-SOIC	3.58	2.72	2.08
LM4250CM-ND	Programmable Op Amp	8-SOIC	1.34	.99	.72
LM4250CMXTR-ND	Programmable Op Amp	8-SOIC		1137.94/2,500	
LM4250CN-ND	Programmable Op Amp	8-Dip	1.40	1.03	.75
LM4431M3-2.5CT-ND	Precision Voltage Micropower Shunt Voltage Reference	SOT-23	1.16	.85	.65
LM4431M3-2.5TR-ND	Precision Voltage Micropower Shunt Voltage Reference	SOT-23		403.00/1,000	
LM4550BVH-ND	AC '97 Rev 2.1 Multi-Bit Audio Codec w/Stereo Headphone Amp, Sample Rate Conversion/National 3D Sound	48-LQFP	5.80	4.59	3.59
LM4651N-ND	170W Class D Audio Power Amp Solution	28-Dip	5.80	4.59	3.68
LM4652TA-ND	170W Class D Audio Power Amp Solution	TO-220-15	5.85	4.45	3.40
LM4663MT-ND	2W Stereo Class D Audio Power Amp with Stereo Headphone Amp	24-TSSOP	3.23	2.46	1.88
LM4665ITLCT-ND	Filterless High Efficiency 1W Switching Audio Amp*	9-microSMD	3.01	2.24	1.65
LM4665ITLTR-ND	Filterless High Efficiency 1W Switching Audio Amp*	9-microSMD		327.38/250	
LM4665ITLR-ND	Filterless High Eff. 1W Switching Audio Amp*	10-LLP	2.60	1.98	1.51
LM4665LDTR-ND	Filterless High Eff. 1W Switching Audio Amp*	10-LLP		1310.40/1,000	
LM4665MMCT-ND	Filterless High Efficiency 1W Switching Audio Amp*	10-MSOP	2.63	2.00	1.53
LM4665MMTR-ND	Filterless High Efficiency 1W Switching Audio Amp*	10-MSOP		1323.00/1,000	
LM4666SDCT-ND	1.2W Switching Audio Amp	14-LLP	2.65	1.97	1.45
LM4666SDTR-ND	1.2W Switching Audio Amp	14-LLP		1094.40/1,000	
LM4667ITL-ND	1.3W Switching Audio Amp	9-microSMD	1.71	1.26	.92
LM4667MM-ND	1.3W Switching Audio Amp	10-MSOP	1.64	1.21	.88
LM4667MMTR-ND	1.3W Switching Audio Amp	10-MSOP		568.10/1,000	
LM4668LDCT-ND	10W High Efficiency Mono BTL Audio Power Amp	14-LLP	5.73	4.36	3.33
LM4668LDTR-ND	10W High Efficiency Mono BTL Audio Power Amp	14-LLP		761.43/250	
LM4668MH-ND	10W High Efficiency Mono BTL Audio Power Amp	20-TSSOP	5.73	4.36	3.33
LM4680SDCT-ND	10W High Efficiency Mono BTL Audio Power Amp	14-LLP	5.58	4.24	3.24
LM4680SDTR-ND	10W High Efficiency Mono BTL Audio Power Amp	14-LLP		741.48/250	
LM4681SDCT-ND	10W Stereo Audio Power Amp* *NEW!*	48-LLP	6.89	5.45	4.37
LM4681SQTR-ND	10W Stereo Audio Power Amp* *NEW!*	48-LLP		1041.40/250	
LM4682SQCT-ND	10W Stereo Audio Power Amp* *NEW!*	48-LLP	6.88	5.28	4.23
LM4682SQTR-ND	10W Stereo Audio Power Amp* *NEW!*	48-LLP		1009.65/250	
LM4700TF-ND	Overture 30W Audio Power Amp with Mute/Standby	TO-220	4.25	3.23	2.47
LM4701T-ND	30W Audio Power Amp with Mute/Standby Modes	TO-220	3.78	2.11	1.61
LM4702CTA-ND	*Overture*® Audio Power Amp	TO-220-15	8.99	7.11	5.70
LM4702QTA-ND	Stereo 14W Audio Power Amp	TO-220-15	5.95	4.53	3.46
LM4731TA-ND	Stereo 25W Audio Power Amp with Mute/Standby	TO-220-15	5.53	4.20	3.21
LM4752T-ND	11W Stereo Audio Amp	TO-220-7	2.64	1.96	1.45
LM4752TS-ND	11W Stereo Audio Amp	TO-263-7	2.91	2.17	1.60
LM4755T-ND	11W Stereo Audio Amp with Mute	TO-220-9	2.64	1.96	1.45
LM4755TS-ND	11W Stereo Audio Amp with Mute	TO-263-9	2.64	1.96	1.45
LM4765T-ND	30W Audio Power Amp with Mute/Standby Modes	TO-220-15	5.33	4.05	3.09
LM4766T-ND	Dual 20W Audio Power Amp with Mute	TO-220-15	6.18	4.70	3.59
LM4766TF-ND	Dual 30W Audio Power Amp with Mute	TO-220-15	5.36	4.24	3.40
LM4780TA-ND	Stereo 60W Audio Power Amp with Mute	TO-220	9.49	8.13	7.21
LM4781TA-ND	3-Channel 35W Audio Power Amp with Mute	TO-220-27	9.28	7.34	5.88
LM4782TA-ND	3-Channel 25W Audio Power Amp with Mute	TO-220	7.50	5.93	4.75
LM4802BLQCT-ND	Audio Power Amp with Boost Converter	28-LLP	4.28	3.25	2.48
LM4802BLQTR-ND	Audio Power Amp with Boost Converter	28-LLP		2154.60/1,000	
LM4804LQCT-ND	Low Voltage High Power Audio Amp*	28-LLP	4.75	3.61	2.76
LM4804LQTR-ND	Low Voltage High Power Audio Amp*	28-LLP		2394.00/1,000	
LM4805LQCT-ND	3V, 1W, Boosted Boomer®*	28-LLP	4.50	3.42	2.61
LM4805LQTR-ND	3V, 1W, Boosted Boomer®*	28-LLP		2268.00/1,000	
LM4808LDCT-ND	Dual 105mW Headphone Amp	8-LLP	95	.69	.56
LM4808LDTR-ND	Dual 105mW Headphone Amp	8-LLP		294.00/1,000	
LM4808MH-ND	Dual 105mW Headphone Amp	8-SOIC	81	.59	.43
LM4808MMCT-ND	Dual 105mW Headphone Amp	8-MSOP	81	.59	.43
LM4808MMTR-ND	Dual 105mW Headphone Amp	8-MSOP		252.00/1,000	

(Continued)

• *RoHS Compliant*

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★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM5026MT-ND	Active Clamp Current Mode PWM Controller	16-TSSOP	2.63	2.00	1.53
LM5030EVAL-ND	Evaluation Board for LM5030	—	133.95	—	—
LM5030MMCT-ND	100V Push-Pull PWM Controller	10-MSOP	2.85	2.17	1.66
LM5030MMTR-ND	100V Push-Pull PWM Controller	10-MSOP		1436.40/1,000	
LM5030SDCT-ND	100V Push-Pull PWM Controller	10-LLP	2.73	2.08	1.59
LM5030SDTR-ND	100V Push-Pull PWM Controller	10-LLP		1373.40/1,000	
LM5032MTC-ND	High Voltage Dual Interleaved Current Mode Controller	20-TSSOP	3.68	2.80	2.14
LM5033MMCT-ND	100V Push-Pull Voltage Mode PWM Controller	10-MSOP	2.63	2.00	1.53
LM5033MMTR-ND	100V Push-Pull Voltage Mode PWM Controller	10-MSOP		1323.00/1,000	
LM5033SDCT-ND	100V Push-Pull Voltage Mode PWM Controller	10-LLP	2.63	2.00	1.53
LM5033SDTR-ND	100V Push-Pull Voltage Mode PWM Controller	10-LLP		1323.00/1,000	
LM5034MTC-ND	High Voltage Dual Interleaved Current Mode Controller	20-TSSOP	4.53	3.44	2.63
LM5035MH-ND	PWM Controller with Integrated Half-Bridge and SyncFET Drivers	20-TSSOP	4.53	3.44	2.63
LM5035SQCT-ND	PWM Controller with Integrated Half-Bridge and SyncFET Drivers* **NEW!**	24-LLP	4.53	3.44	2.63
LM5035SQTR-ND	PWM Controller with Integrated Half-Bridge and SyncFET Drivers* **NEW!**	24-LLP		2316.80/1,000	
LM5041AMTC-ND	Cascaded PWM Controller	16-TSSOP	5.10	3.88	2.96
LM5041ASDCT-ND	Cascaded PWM Controller	16-LLP	5.10	3.88	2.96
LM5041ASDTR-ND	Cascaded PWM Controller	16-LLP		2570.40/1,000	
LM5041MTC-ND	Cascaded PWM Controller	16-TSSOP	5.10	3.88	2.96
LM5041SDCT-ND	Cascaded PWM Controller	16-LLP	5.10	3.88	2.96
LM5041SDTR-ND	Cascaded PWM Controller	16-LLP		2570.40/1,000	
LM5068EVAL-ND	Evaluation Board for LM5068	—	66.90	—	—
LM5068MM-1CT-ND	Negative Voltage Hot Swap Controller	8-MSOP	3.20	2.44	1.86
LM5068MM-1TR-ND	Negative Voltage Hot Swap Controller	8-MSOP		1612.80/1,000	
LM5068MM-2CT-ND	Negative Voltage Hot Swap Controller	8-MSOP	3.20	2.44	1.86
LM5068MM-2TR-ND	Negative Voltage Hot Swap Controller	8-MSOP		1612.80/1,000	
LM5068MM-3CT-ND	Negative Voltage Hot Swap Controller	8-MSOP	3.20	2.44	1.86
LM5068MM-3TR-ND	Negative Voltage Hot Swap Controller	8-MSOP		1612.80/1,000	
LM5068MM-4CT-ND	Negative Voltage Hot Swap Controller	8-MSOP	3.20	2.44	1.86
LM5068MM-4TR-ND	Negative Voltage Hot Swap Controller	8-MSOP		1612.80/1,000	
LM5070MTC-50-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, Slope	16-TSSOP	3.45	2.63	2.01
LM5070MTC-80-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, Slope	16-TSSOP	3.45	2.63	2.01
LM5070SD-50CT-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, No Slope	16-LLP	3.45	2.63	2.01
LM5070SD-50TR-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, No Slope	16-LLP		1738.80/1,000	
LM5070SD-80CT-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, Slope	16-LLP	3.45	2.63	2.01
LM5070SD-80TR-ND	Integrated Power Over Ethernet PD Interface and PWM Controller, Slope	16-LLP		1738.80/1,000	
LM5071MT-50-ND	Power Over Ethernet PD Controller	16-TSSOP	3.45	2.63	2.01
LM5071MT-80-ND	Power Over Ethernet PD Controller	16-TSSOP	3.45	2.63	2.01
LM5072MH-50-ND	Power Over Ethernet PD Controller* **NEW!**	16-TSSOP	4.40	3.35	2.56
LM5072MH-80-ND	Power Over Ethernet PD Controller* **NEW!**	16-TSSOP	4.40	3.35	2.56
LM5080MMCT-ND	Modular Current Sharing Controller	8-MSOP	1.77	1.32	.97
LM5080MMTR-ND	Modular Current Sharing Controller	8-MSOP		729.60/1,000	
LM5009SDCT-ND	150mA, 100V Step-Down Switching Regulator* **NEW!**	8-LLP	3.09	2.30	1.70
LM5009SDCTR-ND	150mA, 100V Step-Down Switching Regulator* **NEW!**	8-LLP		1277.44/1,000	
LM5100AM-ND	High Voltage, High Side and Low Side Gate Driver	8-SOIC	3.20	2.44	1.86
LM5100ASDCT-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP	3.20	2.44	1.86
LM5100ASDTR-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP		1612.80/1,000	
LM5100M-ND	High Voltage, High Side and Low Side Gate Driver	8-SOIC	2.85	2.17	1.66
LM5100SDCT-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP	2.85	2.17	1.66
LM5100SDTR-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP		1436.40/1,000	
LM5101AM-ND	High Voltage, High Side and Low Side Gate Driver	8-SOIC	3.20	2.44	1.86
LM5101ASDCT-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP	3.20	2.44	1.86
LM5101ASDTR-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP		1612.80/1,000	
LM5101M-ND	High Voltage, High Side and Low Side Gate Driver	8-SOIC	2.85	2.17	1.66
LM5101SDCT-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP	2.85	2.17	1.66
LM5101SDTR-ND	High Voltage, High Side and Low Side Gate Driver	10-LLP		1436.40/1,000	
LM5102MMCT-ND	High Voltage Half-Bridge Gate Driver	10-MSOP	3.20	2.44	1.86
LM5102MMTR-ND	High Voltage Half-Bridge Gate Driver	10-MSOP		1612.80/1,000	
LM5102SDCT-ND	High Voltage Half-Bridge Gate Driver	10-LLP	3.20	2.44	1.86
LM5102SDTR-ND	High Voltage Half-Bridge Gate Driver	10-LLP		1612.80/1,000	
LM5104M-ND	High Voltage Half-Bridge Gate Driver	8-SOIC	3.20	2.44	1.86
LM5104SDCT-ND	High Voltage Half-Bridge Gate Driver	10-LLP	3.20	2.44	1.86
LM5104SDTR-ND	High Voltage Half-Bridge Gate Driver	10-LLP		1612.80/1,000	
LM5105SDCT-ND	100V Half-Bridge Gate Driver	10-LLP	2.95	2.19	1.62
LM5105SDTR-ND	100V Half-Bridge Gate Driver	10-LLP		1216.00/1,000	
LM5106MMCT-ND	100V Half-Bridge Gate Driver	10-MSOP	2.08	1.55	1.14
LM5106MMTR-ND	100V Half-Bridge Gate Driver	10-MSOP		657.60/1,000	
LM5107SDCT-ND	100V, 1.4A Peak Half-Bridge Gate Driver	8-LLP	2.65	1.97	1.46
LM5107SDTR-ND	100V, 1.4A Peak Half-Bridge Gate Driver	8-LLP		1094.40/1,000	
LM5109AMA-ND	100V, 1A Peak Half-Bridge Gate Driver* **NEW!**	8-SOIC	1.62	1.21	.89
LM5109ASDCT-ND	100V, 1A Peak Half-Bridge Gate Driver* **NEW!**	8-LLP	1.61	1.20	.89
LM5109ASDTR-ND	100V, 1A Peak Half-Bridge Gate Driver* **NEW!**	8-LLP		665.60/1,000	
LM5109SDCT-ND	100V, 1A Peak Half-Bridge Gate Driver	8-LLP	1.69	1.24	.90
LM5109SDTR-ND	100V, 1A Peak Half-Bridge Gate Driver	8-LLP		665.60/1,000	
LM5110-1M-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	8-SOIC	1.92	1.43	1.06
LM5110-1SDCT-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP	1.92	1.43	1.06
LM5110-1SDTR-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP		791.04/1,000	
LM5110-2M-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	8-SOIC	1.92	1.43	1.06
LM5110-2SDCT-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP	1.92	1.43	1.06
LM5110-2SDTR-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP		791.04/1,000	
LM5110-3M-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	8-SOIC	1.92	1.43	1.06
LM5110-3SDCT-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP	1.92	1.43	1.06
LM5110-3SDTR-ND	Dual 5A Compound Gate Driver with Neg. Output Voltage	10-LLP		791.04/1,000	
LM5111-1M-ND	Dual 5A Compound Gate Driver	8-SOIC	1.92	1.43	1.06
LM5111-1MYCT-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP	2.21	1.64	1.22
LM5111-1MYTR-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP		912.64/1,000	
LM5111-2M-ND	Dual 5A Compound Gate Driver	8-SOIC	1.92	1.43	1.06
LM5111-2MYCT-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP	2.21	1.64	1.22
LM5111-2MYTR-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP		912.64/1,000	
LM5111-3M-ND	Dual 5A Compound Gate Driver	8-SOIC	1.92	1.43	1.06
LM5111-3MYCT-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP	2.21	1.64	1.22
LM5111-3MYTR-ND	Dual 5A Compound Gate Driver* **NEW!**	8-MSOP		912.64/1,000	
LM5112MYCT-ND	Tiny 7A MOSFET Gate Driver* **NEW!**	8-MSOP	1.78	1.31	.95
LM5112MYTR-ND	Tiny 7A MOSFET Gate Driver* **NEW!**	8-MSOP		617.50/1,000	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LM5112SDCT-ND	Tiny 7A MOSFET Gate Driver	6-LLP	1.78	1.31	.95
LM5112SDTR-ND	Tiny 7A MOSFET Gate Driver	6-LLP		617.50/1,000	
LM5115MTC-ND	Secondary Side Post Regulator Controller	16-TSSOP	5.48	4.17	3.11
LM5115SDCT-ND	Secondary Side Post Regulator Controller* **NEW!**	16-LLP	5.48	4.17	3.11
LM5115SDTR-ND	Secondary Side Post Regulator Controller* **NEW!**	16-LLP		2759.40/1,000	
LM5642MTC-ND	High Voltage, Dual Sync. Buck Converter	28-TSSOP	4.28	3.25	2.44
LM5642MTX-ND	High Voltage, Dual Sync. Buck Converter	28-TSSOP	4.53	3.44	2.58
LM6132AIM-ND	Dual High Speed/Low Power 7MHz, Rail-to-Rail Op Amp	8-SOIC	3.40	2.59	1.94
LM6132BIM-ND	Dual High Speed/Low Power 7MHz, Rail-to-Rail Op Amp	8-SOIC	2.65	2.02	1.54
LM6132BIN-ND	Dual High Speed/Low Power 7MHz, Rail-to-Rail Op Amp	8-Dip	2.65	2.02	1.54
LM6134AIM-ND	Quad High Speed/Low Power 7MHz, Rail-to-Rail Op Amp	14-SOIC	4.25	3.23	2.42
LM6134BIM-ND	Quad Low Power 10MHz, Rail-to-Rail, I/O, Op Amp	14-SOIC	3.35	2.55	1.90
LM6134BIMXTR-ND	Quad Low Power 10MHz, Rail-to-Rail, I/O, Op Amp	14-SOIC		4187.50/2,500	
LM6134BIN-ND	Quad High Speed/Low Power, 7MHz, Rail-to-Rail Op Amp	14-Dip	3.35	2.55	1.90
LM6142AIM-ND	Dual High Speed/Low Power Rail-to-Rail Op Amp	8-SOIC	5.25	3.99	3.00
LM6142BIM-ND	Dual High Speed/Low Power Rail-to-Rail Op Amp	8-SOIC	4.70	3.58	2.72
LM6144BIM-ND	Quad High Speed/Low Power 17MHz R-R Op Amp	14-SOIC	5.25	4.15	3.32
LM6152ACM-ND	Dual High Speed 75MHz, R-R, I/O, Op Amp, Vos = 4mV	8-SOIC	3.93	2.99	2.28
LM6152BCM-ND	Dual High Speed 75MHz, R-R, I/O, Op Amp, Vos = 4mV	8-SOIC	3.18	2.42	1.85
LM6154BCM-ND	Quad High Speed 75MHz, R-R, I/O, Op Amp, Vos = 7mV	14-SOIC	5.71	4.52	3.62
LM6171AIM-ND	Voltage Feedback Low Distortion, Low Power Op Amp	8-SOIC	3.40	2.51	1.92
LM6171BIM-ND	Voltage Feedback Low Distortion, Low Power Op Amp	8-SOIC	2.83	2.15	1.64
LM6171BIN-ND	Voltage Feedback Low Distortion, Low Power Op Amp	8-Dip	2.83	2.15	1.64
LM6172IM-ND	Dual HS LP, Low Distortion, Voltage Feedback Op Amp	8-SOIC	3.80	2.89	2.21
LM6172IMX-ND	Dual HS LP, Low Distortion, Voltage Feedback Op Amp	8-SOIC	3.80	2.89	2.21
LM6172IMXTR-ND	Dual HS LP, Low Distortion, Voltage Feedback Op Amp	8-SOIC		4750.00/2,500	
LM6172IN-ND	Dual HS LP, Low Distortion, Voltage Feedback Op Amp	8-Dip	3.80	2.89	2.21
LM6181AIM-ND	100mA, 100MHz Current Feedback Amp	8-SOIC	2.65	2.02	1.54
LM6181IN-ND	Current Feedback Amp, 100MHz	8-Dip	2.65	2.02	1.54
LM6211MFCT-ND	Low Noise, R/R Out Op Amp* **NEW!**	SOT-23-5	2.83	2.15	1.64
LM6211MFTR-ND	Low Noise, R/R Out Op Amp* **NEW!**	SOT-23-5		1423.80/1,000	
LM6511IM-ND	180nS, 3V, Comparator	8-SOIC	2.65	2.02	1.54
LM6588MA-ND	TFT-LCD Quad, 16V RRIO High Output Current Op Amp	14-SOIC	3.04	2.26	1.65
LM6588MT-ND	TFT-LCD Quad, 16V RRIO High Output Current Op Amp	14-TSSOP	3.04	2.26	1.65
LM7121IM-ND	235MHz Tiny Low Power Voltage Feedback Amp	8-SOIC	2.65	2.02	1.54
LM7121IM5CT-ND	235MHz Tiny Low Power Voltage Feedback Amp	SOT-23-5	3.01	2.24	1.68
LM7121IM5TR-ND	235MHz Tiny Low Power Voltage Feedback Amp	SOT-23-5		1241.60/1,000	
LM7171AIM-ND	Very High Speed High Out Voltage Feedback Amp, A Grade	8-SOIC	2.88	2.19	1.66
LM7171AIN-ND	Very High Speed High Out Voltage Feedback Amp, A Grade	8-Dip	2.88	2.19	1.66
LM7171BIM-ND	Very High Speed High Out Voltage Feedback Amp	8-SOIC	2.53	1.92	1.45
LM7171BIMXTR-ND	Very High Speed High Out Voltage Feedback Amp	8-SOIC		3156.25/2,500	
LM7171BIN-ND	Very High Speed High Out Voltage Feedback Amp	8-Dip	2.53	1.92	1.45
LM7302IM-ND	Low Power, 4MHz GBW, R/R, I/O Op Amp in TinyPak	8-SOIC	2.11	1.57	1.19
LM7301IM5CT-ND	Low Power, 4MHz GBW, R/R, I/O Op Amp	SOT-23-5	2.11	1.57	1.19
LM7301IM5TR-ND	Low Power, 4MHz GBW Rail-to-Rail, I/O Op Amp	SOT-23-5		870.40/1,000	
LM7372ILDCT-ND	Dual High Speed, High Output Current Op Amp	8-LLP	4.70	3.58	2.72
LM7372ILDTR-ND	Dual High Speed, High Output Current Op Amp	8-LLP		2368.80/1,000	
LM7372IMA-ND	Dual High Speed, High Output Current Op Amp	16-SOIC	4.70	3.58	2.72
LM7372MR-ND	Dual High Speed, High Output Current Op Amp	8-PDIP	4.70	3.58	2.72
LM7805CT-ND	5V, 1.0A Positive Voltage Regulator	TO-220	1.53	1.20	.87
LM78L05ITPCT-ND	3-Terminal Positive Regulator* **NEW!**	8-microSMD	1.10	.81	.59
LM78L05ITPTR-ND	3-Terminal Positive Regulator* **NEW!**	8-microSMD		110.25/250	
LM7905CTNS-ND	5V, 1.5A Negative Voltage Regulator	TO-220	1.82	1.34	.97
LM7912CT-ND	12V, 1.5A Negative Voltage Regulator	TO-220	1.82	1.34	.97
LM7915CT-ND	15V, 1.5A Negative Voltage Regulator	TO-220	1.82	1.34	.97
M8207MT-ND	TFT 18 Gamma Buffer + Vcom Driver + Volt. Reference	48-TSSOP	4.25	3.23	2.42
M8261MSCT-ND	RRIO, High Op Current and Unlimited Cap Load Op Amp	SOT-23-5	2.67	1.93	1.45
M8261MSTR-ND	RRIO, High Op Current and Unlimited Cap Load Op Amp	SOT-23-5		1100.80/1,000	
M8262MMCT-ND	RRIO, High Op Current and Unlimited Cap Load Op Amp	8-MSOP	2.36	1.75	1.30
M8262MMTR-ND	RRIO, High Op Current and Unlimited Cap Load Op Amp	8-MSOP		972.80/1,000	
M8272MMCT-ND	RRIO, High Output, Unlimited Cap Load Op Amp	8-MSOP	3.10	2.36	1.80
M8272MMTR-ND	RRIO, High Output, Unlimited Cap Load Op Amp	8-MSOP		1562.40/1,000	
M8342SDCT-ND	Programmable TFT Vcom Calibrator* **NEW!**	10-LLP	1.77	1.32	.97
M8342SDTR-ND	Programmable TFT Vcom Calibrator* **NEW!**	10-LLP		729.60/1,000	
LM83648ALMF20CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	.95	.69	.50
LM83648ALMF20TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		296.80/1,000	
LM83648ALMF30CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	.95	.69	.50
LM83648ALMF30TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		296.80/1,000	
LM83648ALMF45CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	.95	.69	.50
LM83648ALMF45TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		296.80/1,000	
LM83652ALMF27CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	1.06	.77	.56
LM83655BALMF27CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		330.40/1,000	
LM83658ALMF27CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	1.06	.77	.56
LM83658ALMF27TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		330.40/1,000	
LM83658ALMF45CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	1.06	.77	.56
LM83658ALMF45TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		330.40/1,000	
LM83658CLMF30CT-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5	1.06	.77	.56
LM83658CLMF30TR-ND	Micropower Undervoltage Sensing Circuit	SOT-23-5		330.40/1,000	
LM9022M-ND	Vacuum Fluorescent Display Filament Driver	20-SOIC	1.72	1.28	.93
LM9036M-3.3-ND	3.3V, 50mA Ultra Low Quiescent Current Volt. Regulator	8-SOIC	1.76	1.30	.94
LM9040M-ND	Dual Lambda Sensor Interface Amplifier	14-SOIC	5.85	4.45	3.40
LM9044V-ND	Lambda Sensor Interface Amplifier	20-PLCC	3.80	2.89	2.21
LM9061M-ND	MOSFET Driver with Loss Protection	8-SOIC	1.92	1.43	1.06
LM9070T-ND	LDO Voltage Regulator with Keep-Alive ON/OFF Control	TO-220-7	2.79	2.07	1.53
LM9071T-ND	LDO Voltage Regulator with Delayed Reset	TO-220-7	2.48	1.84	1.36
LM9076BIM-3.3-ND	150mA Ultra-Low Quiescent Current LDO Reg.* **NEW!**	8-SOIC	2.62	1.95	1.44
LM9076BMA-5.0-ND	150mA Ultra-Low Quiescent Current LDO Regulator	8-SOIC	2.62	1.95	1.44
LM9076S-3.3-ND	150mA Ultra-Low Quiescent Current LDO Reg.* **NEW!**	TO-263-5	2.80	2.08	1.54
LM9076S-5.0-ND	150mA Ultra-Low Quiescent Current LDO Regulator	TO-263	2.80	2.08	1.54
LM9076SX-3.3CT-ND	150mA Ultra-Low Quiescent Current LDO Reg.* **NEW!**	TO-263-5	2.80	2.08	1.54
LM9076SX-3.3TR-ND	150mA Ultra-Low Quiescent Current LDO Reg.* **NEW!**	TO-263-5		586.95/500	
LM9822CCWM-ND	9-Channel, 42-Bit, Color Scanner Analog Front End	28-SOIC	8.93	7.06	5.66
LM9833CVH-ND	36-Bit, Color Document Scanner	100-TQFP	11.91	10.20	9.07
LM9833COVJD-ND	48-Bit, Color 1200dpi USB Image Scanner	100-TQFP	12.65	10.85	9.62
LM1370GN-ND	Dual Operational Transconductance Amp	16-Dip	1.44	1.06	.77
LM25005MH-ND	High Voltage, 2.5A Step-Down Switching Reg.* **NEW!**	20-TSSOP	5.23	3.98	3.04
LM25007MMCT-ND	High Voltage, 0.5A Step-Down Switching Reg.* **NEW!**	8-MSOP	3.09	2.30	1.70
LM25007MMTR-ND	High Voltage, 0.5A Step-Down Switching Reg.* **NEW!**	8-MSOP		1277.44/1,000	
LM25007SDCT-ND	High Voltage, 0.5A Step-Down Switching Regulator	8-LLP	3.09	2.30	1.70
LM25007SDTR-ND	High Voltage, 0.5A Step-Down Switching Regulator	8-LLP		1277.44/1,000	
LM25010MH-ND	42V, 1.0A Step-Down Switching Regulator	14-TSSOP	3.58	2.72	2.00
LM25010SDCT-ND	42V, 1.0A Step-Down Switching Regulator	10-LLP	3.58	2.72	2.00
LM25010SDTR-ND	42V, 1.0A Step-Down Switching Regulator	10-LLP		1801.80/1,000	
LM25115MT-ND	Secondary Side Post Regulator Controller	16-TSSOP	4.40	3.35	2.56
LM26001MXA-ND	1.5A Switching Regulator* **NEW!**	16-TSSOP	5.99	4.74	3.86

* RoHS Compliant

(Continued)

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27212SQXCT-ND	Two-Phase Current Mode Hysteretic Buck Controller* **NEW!**	48-LLP	6.26	4.95	3.97
27212SQXTR-ND	Two-Phase Current Mode Hysteretic Buck Controller* **NEW!**	48-LLP		9089.00/2,500	
27241MTC-ND	Sync. Buck Regulator Controller for Mobile Systems	20-TSSOP	4.15	3.16	2.41
27951SDCT-ND	White LED Driver* **NEW!**	14-LLP	2.65	1.97	1.46
27951SDTR-ND	White LED Driver* **NEW!**	14-LLP		1094.40/1,000	
27952SDCT-ND	White LED Driver* **NEW!**	14-LLP	2.65	1.97	1.46
27952SDTR-ND	White LED Driver* **NEW!**	14-LLP		1094.40/1,000	
27953LCT-ND	White LED Driver	18-microSMD	2.85	2.17	1.66
27953TLTR-ND	White LED Driver	18-microSMD		379.05/250	
27961TLCT-ND	Dual Display White LED Driver	18-microSMD	3.58	2.72	2.08
27961TLTR-ND	Dual Display White LED Driver	18-microSMD		475.48/250	
27964SQ-ACT-ND	White LED Driver System with I2C Compatible	24-LLP	4.43	3.37	2.57
27964SQ-ATR-ND	White LED Driver System with I2C Compatible	24-LLP		2230.20/1,000	
27964SQ-ICT-ND	White LED Driver System with I2C Compatible	24-LLP	4.43	3.37	2.57
27964SQ-ITR-ND	White LED Driver System with I2C Compatible	24-LLP		2230.20/1,000	
34910SDCT-ND	40V, 1.25A, High Voltage Step-Down Switching Reg.	10-LLP	2.88	2.19	1.67
34910SDTR-ND	40V, 1.25A, High Voltage Step-Down Switching Reg.	10-LLP		1449.00/1,000	
94021BIMGCT-ND	1.5V, Multi-Gain Analog Temperature Sensor	SC70-5	1.43	1.05	.76
94021BIMGTR-ND	1.5V, Multi-Gain Analog Temperature Sensor	SC70-5		494.00/1,000	
94022BIMGCT-ND	1.5V, Multi-Gain Analog Temperature Sensor*	SC70-5	1.43	1.05	.76
94022BIMGTR-ND	1.5V, Multi-Gain Analog Temperature Sensor*	SC70-5		494.00/1,000	
95071ILMF2-ND	SPI/Microwire 13-Bit Plus Sign Temperature Sensor	SOT-23-5	2.06	1.53	1.14
95071ILMFTR-ND	SPI/Microwire 13-Bit Plus Sign Temperature Sensor	SOT-23-5		851.20/1,000	
95231CIMM-1CT-ND	Precision Dual Remote Diode Temp. Sensor	8-MSOP	2.95	2.19	1.62
95231CIMM-1TR-ND	Precision Dual Remote Diode Temp. Sensor	8-MSOP		1216.00/1,000	
96000CIMT-ND	Hardware Monitor with Integrated Fan Control* **NEW!**	24-TSSOP	4.63	3.52	2.69
LC555CBPCT-ND	CMOS Timer	8-microSMD	1.25	.92	.67
LC555CBPTR-ND	CMOS Timer	8-microSMD		124.50/250	
LC555CM-ND	CMOS Timer	8-SOIC	1.28	.94	.68
LC555CMX-ND	CMOS Timer	8-SOIC	1.28	.94	.68
LC555CMXCT-ND	CMOS Timer	8-SOIC		1083.75/2,500	
LC555CMXCTR-ND	CMOS Timer, In Small Package	8-MSOP	1.37	1.01	.74
LC555CMXTR-ND	CMOS Timer, In Small Package	8-MSOP		475.80/1,000	
LC555CN-ND	CMOS Timer	8-Dip	1.37	1.01	.73
LC567CM-ND	CMOS Tone Decoder Phase-Lock-Loop	8-SOIC	1.89	1.41	1.04
LC567CMXTR-ND	CMOS Tone Decoder Phase-Lock-Loop	8-SOIC		1906.25/2,500	
LC567CN-ND	CMOS Tone Decoder Phase-Lock-Loop	8-Dip	1.89	1.41	1.04
LC660AIM-ND	Quad CMOS Op Amp, Industrial Temperature	14-SOIC	2.26	1.68	1.25
LC660AIMXTR-ND	Quad CMOS Op Amp, Industrial Temperature	14-SOIC		2281.25/2,500	
LC660AIN-ND	Quad CMOS Op Amp, Industrial Temperature	14-Dip	2.36	1.75	1.30
LC660CM-ND	Quad CMOS Op Amp	14-SOIC	1.86	1.38	1.02
LC660CMXCT-ND	Quad CMOS Op Amp	14-SOIC	1.86	1.38	1.02
LC660CMXTR-ND	Quad CMOS Op Amp	14-SOIC		1875.00/2,500	
LC660CN-ND	Quad CMOS Op Amp	14-Dip	1.98	1.48	1.09
LC662AIM-ND	Dual CMOS Op Amp, Industrial Temperature	8-SOIC	2.11	1.57	1.16
LC662AIMXTR-ND	Dual CMOS Op Amp, Industrial Temperature	8-SOIC		2125.00/2,500	
LC662AIN-ND	Dual CMOS Op Amp, Industrial Temperature	8-Dip	2.33	1.73	1.28
LC662CM-ND	Dual CMOS Op Amp	8-SOIC	1.95	1.45	1.08
LC662CMXTR-ND	Dual CMOS Op Amp	8-SOIC		1968.75/2,500	
LC662CN-ND	Dual CMOS Op Amp	8-Dip	2.08	1.55	1.14
LC6001AIN-ND	Ultra Ultra-Low Input Current Amp	8-Dip	14.07	12.06	10.70
LC6001BIN-ND	Ultra Ultra-Low Input Current Amp	8-Dip	10.29	8.14	6.52
LC6024IM-ND	Micropower Quad CMOS Op Amp	14-SOIC	1.67	1.25	.92
LC6032IM-ND	Dual CMOS Op Amp, Industrial Temperature	8-SOIC	1.18	.87	.63
LC6032IN-ND	Dual CMOS Op Amp, Industrial Temperature	8-Dip	1.31	.96	.70
LC6034IM-ND	Quad CMOS Op Amp	14-SOIC	1.82	1.34	.97
LC6035IBPCT-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD	1.61	1.19	.86
LC6035IBPTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD		161.25/250	
LC6035IBPXCT-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD	1.61	1.19	.86
LC6035IBPXTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD		1644.75/3,000	
LC6035IM-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-SOIC	1.61	1.19	.86
LC6035IMXTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-SOIC		1370.63/2,500	
LC6035IMMCT-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-MSOP	2.11	1.57	1.16
LC6035IMMTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-MSOP		870.40/1,000	
LC6035IMMXCT-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-MSOP	2.11	1.57	1.16
LC6035IMMXTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-MSOP		2975.00/3,500	
LC6035ITLCT-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD	1.76	1.30	.94
LC6035ITLTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	8-microSMD		176.25/250	
LC6036IM-ND	Low Power 2.7V, Single Supply CMOS Op Amp	14-SOIC	2.20	1.64	1.21
LC6036IMXTR-ND	Low Power 2.7V, Single Supply CMOS Op Amp	14-SOIC		2218.75/2,500	
MC6041AIM-ND	Single CMOS Micropower Op Amp	8-SOIC	2.51	1.87	1.39
MC6041IM-ND	Single CMOS Micropower Op Amp	8-SOIC	2.08	1.55	1.15
MC6041IN-ND	Single CMOS Micropower Op Amp	8-Dip	2.08	1.55	1.15
MC6042AIM-ND	Dual CMOS Micropower Op Amp	8-SOIC	3.06	2.27	1.68
MC6042AIN-ND	Dual CMOS Micropower Op Amp	8-Dip	2.53	1.92	1.47
MC6042IM-ND	Dual CMOS Micropower Op Amp	8-SOIC	2.29	1.71	1.26
MC6042IN-ND	Dual CMOS Micropower Op Amp	8-Dip	2.29	1.71	1.26
MC6044AIM-ND	Quad CMOS Micropower Op Amp	14-SOIC	3.33	2.53	1.93
MC6044AIN-ND	Quad CMOS Micropower Op Amp	14-Dip	2.89	2.15	1.59
MC6044IM-ND	Quad CMOS Micropower Op Amp	14-SOIC	2.77	2.06	1.52
MC6044IN-ND	Quad CMOS Micropower Op Amp	14-Dip	2.82	2.10	1.55
MC6061AIM-ND	Precision Single CMOS Micropower Op Amp	8-SOIC	2.11	1.57	1.16
MC6061IM-ND	Precision Single CMOS Micropower Op Amp	8-SOIC	1.84	1.35	.98
MC6062AIM-ND	Precision Dual CMOS Micropower Op Amp	8-SOIC	3.43	2.61	1.99
MC6062IM-ND	Precision Dual CMOS Micropower Op Amp	8-SOIC	3.01	2.24	1.65
MC6062IN-ND	Precision Dual CMOS Micropower Op Amp	8-Dip	2.58	1.96	1.50
MC6064AIN-ND	Precision Quad CMOS Micropower Op Amp	14-SOIC	5.48	4.13	3.15
MC6064IM-ND	Precision Quad CMOS Micropower Op Amp	14-SOIC	4.00	3.04	2.32
MC6064IN-ND	Precision Quad CMOS Micropower Op Amp	14-Dip	4.18	3.18	2.43
MC6081AIM-ND	Precision Single CMOS Op Amp	8-SOIC	3.93	2.99	2.28
MC6081IM-ND	Precision Single CMOS Micropower Op Amp	8-SOIC	2.73	2.08	1.59
MC6081IN-ND	Precision Single CMOS Op Amp	8-Dip	2.73	2.08	1.59
MC6082AIM-ND	Precision Dual CMOS Op Amp	8-SOIC	5.20	3.96	3.02
MC6082AIN-ND	Precision Dual CMOS Op Amp	8-Dip	5.20	3.96	3.02
MC6082IM-ND	Precision Dual CMOS Op Amp	8-SOIC	3.93	2.23	1.70
MC6082IN-ND	Precision Dual CMOS Op Amp	8-Dip	2.93	2.23	1.70
MC6084AIM-ND	Precision Dual CMOS Micropower Op Amp	14-SOIC	6.70	5.30	4.25
MC6442AIM-ND	Dual Micropower R/R, Output Single Supply Op Amp	8-SOIC	2.70	2.01	1.48
MC6442IM-ND	Dual Micropower R/R, Output Single Supply Op Amp	8-SOIC	2.70	2.01	1.48
MC6442IN-ND	Dual Micropower R/R, Output Single Supply Op Amp	8-Dip	2.70	2.01	1.48
LMC6462AIM-ND	Dual CMOS Micropower, R/R, Input/Output Op Amp	8-SOIC	3.03	2.30	1.76
LMC6462AIN-ND	Dual CMOS Micropower, R/R, Input/Output Op Amp	8-Dip	3.10	2.36	1.80
LMC6462BIM-ND	Dual CMOS Micropower, R/R, Input/Output Op Amp	8-SOIC	2.98	2.21	1.64
LMC6462BIN-ND	Dual CMOS Micropower, R/R, Input/Output Op Amp	8-Dip	2.58	1.96	1.50
LMC6464AIM-ND	Quad CMOS Micropower, R/R, Input/Output Op Amp	14-SOIC	4.80	3.65	2.79
LMC6464BIM-ND	Quad CMOS Micropower, R/R, Input/Output Op Amp	14-SOIC	4.10	3.12	2.38
LMC6464BIN-ND	Quad CMOS Micropower, R/R, Input/Output Op Amp	14-Dip	4.28	3.25	2.48
LMC6482AIM-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC	2.19	1.63	1.21
LMC6482AIN-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-Dip	2.29	1.71	1.26
LMC6482IM-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC	1.88	1.38	1.02
LMC6482IMMCT-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-MSOP	1.82	1.35	1.00
LMC6482IMMTR-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-MSOP		751.36/1,000	
LMC6482IN-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-Dip	1.82	1.35	1.00
LMC6484AIM-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC	3.28	2.49	1.90
LMC6484AIMXCT-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC	3.00	2.28	1.74
LMC6484AIMXTR-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC		4093.75/2,500	
LMC6484AIN-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-Dip	3.28	2.49	1.90
LMC6484IM-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC	2.55	1.94	1.48
LMC6484IMXTR-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC		3187.50/2,500	
LMC6484IN-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-Dip	2.66	2.04	1.56
LMC6492AEM-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC	2.65	2.02	1.54
LMC6492BEM-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC	2.64	1.96	1.45
LMC6492BEMX-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC	2.64	1.95	1.45
LMC6492BEMXTR-ND	Dual CMOS Rail-to-Rail, Input/Output Op Amp	8-SOIC		2826.25/2,500	
LMC6494AEM-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC	6.13	4.66	3.56
LMC6494BEM-ND	Quad CMOS Rail-to-Rail, Input/Output Op Amp	14-SOIC	3.80	2.89	2.21
LMC6762AIM-ND	CMOS Micropower Rail-to-Rail Comparator	8-SOIC	2.85	2.17	1.66
LMC6762BIM-ND	CMOS Micropower Rail-to-Rail Comparator	8-SOIC	2.91	2.17	1.60
LMC6762BIMXTR-ND	CMOS Micropower Rail-to-Rail Comparator	8-SOIC		2937.50/2,500	
LMC6772AIM-ND	Dual Micropower R/R Input CMOS Comp. w/Open Drain	8-SOIC	2.85	2.17	1.66
LMC6772AIMMCT-ND	Dual Micropower R/R Input CMOS Comp. w/Open Drain	8-MSOP	2.85	2.17	1.66
LMC6772AIMMTR-ND	Dual Micropower R/R Input CMOS Comp. w/Open Drain	8-MSOP		1436.40/1,000	
LMC6772BIM-ND	Dual Micropower R/R Input CMOS Comp. w/Open Drain	8-SOIC	2.91	2.17	1.60
LMC6772BIN-ND	Dual Micropower R/R Input CMOS Comp. w/Open Drain	8-Dip	2.60	1.94	1.43
LMC6953CM-ND	PCI Local Bus Power Supervisor	8-SOIC	3.15	2.40	1.83
LMC7101AIM5CT-ND	Tiny Low Power Op Amp with R/R Input/Output	SOT-23-5	1.66	1.22	.89
LMC7101AIM5XTR-ND	Tiny Low Power Op Amp with R/R Input/Output	SOT-23-5		1690.65/3,000	
LMC7101BIM5NSCT-ND	Tiny Low Power Op Amp with R/R Input/Output	SOT-23-5	.99	.73	.53
LMC7101BIM5NSTR-ND	Tiny Low Power Op Amp with R/R Input/Output	SOT-23-5		343.20/1,000	
LMC7111BIM5XCT-ND	Tiny CMOS Op Amp with Rail-to-Rail, In/Out	SOT-23-5	1.35	.99	.72
LMC7111BIM5XTR-ND	Tiny CMOS Op Amp with Rail-to-Rail, In/Out	SOT-23-5		1377.00/3,000	
LMC7211AIM-ND	Tiny CMOS Comparator with Rail-to-Rail Input	SOT-23-5	1.58	1.18	.87
LMC7211AIM5CT-ND	Tiny CMOS Comparator with Rail-to-Rail Input	SOT-23-5	1.58	1.18	1.18
LMC7211AIM5TR-ND	Tiny CMOS Comparator with Rail-to-Rail Input	SOT-23-5		652.80/1,000	
LMC7211BIM-ND	Tiny CMOS Comparator with Rail-to-Rail Input	8-SOIC	1.50	1.10	.80
LMC7211BIM5CT-ND	Tiny CMOS Comparator with Rail-to-Rail Input	SOT-23-5	1.50	1.10	.80
LMC7211BIM5TR-ND	Tiny CMOS Comparator with Rail-to-Rail Input	SOT-23-5		520.00/1,000	
LMC7215IM-ND	Micropower Rail-to-Rail CMOS Comparator with Open-Drain/Push-Pull Output	8-SOIC	1.73	1.27	.92
LMC7215IMXTR-ND	Micropower Rail-to-Rail CMOS Comparator with Open-Drain/Push-Pull Output	8-SOIC		1466.25/2,500	
LMC7215IM5CT-ND	Micropower Rail-to Rail CMOS Comparator with Push-Pull/Open-Drain Outputs	SOT-23-5	1.73	1.27	.92
LMC7215IM5TR-ND	Micropower Rail-to Rail CMOS Comparator, with Push-Pull/Open-Drain Outputs	SOT-23-5		598.00/1,000	
LMC7221AIM-ND	Tiny CMOS Comparator with R/R Input/Open Drain	8-SOIC	1.86	1.38	1.02
LMC7221AIM5CT-ND	Tiny CMOS Comparator with R/R Input/Open Drain	SOT-23-5	1.86	1.38	1.02
LMC7221AIM5TR-ND	Tiny CMOS Comparator with R/R Input/Open Drain	SOT-23-5		768.00/1,000	
LMC7221BIM-ND	Tiny CMOS Comparator with R/R Input/Open Drain	8-SOIC	1.76	1.30	.94
LMC7221BIM5CT-ND	Tiny CMOS Comparator with R/R Input/Open Drain	SOT-23-5	1.76	1.30	.94
LMC7221BIM5TR-ND	Tiny CMOS Comparator with R/R Input/Open Drain	SOT-23-5		611.00/1,000	
LMC7225IM5CT-ND	Micropower CMOS Comparator with Rail-to-Rail, Open-Drain/Push-Pull Output	SOT-23-5	1.73	1.27	.92
LMC7225IM5TR-ND	Micropower CMOS Comparator with Rail-to-Rail, Open-Drain/Push-Pull Output	SOT-23-5		598.00/1,000	
LMC7660IM-ND	Switched Capacitor Voltage Converter	8-SOIC	1.31	.96	.70
LMC7660IMXCT-ND	Switched Capacitor Voltage Converter	8-SOIC	1.31	.97	.70
LMC7660IMXTR-ND	Switched Capacitor Voltage Converter	8-SOIC		1112.44/2,500	
LMC7660IN-ND	Switched Capacitor Voltage Converter	8-Dip	1.31	.96	.70
LMC8101BPCT-ND	Rail-to-Rail, Input/Output, 2.7V, Op Amp	8-microSMD	1.54	1.13	.82
LMC8101BPTR-ND	Rail-to-Rail, Input/Output, 2.7V, Op Amp	8-microSMD		153.75/250	
LMC8101BPXTR-ND	Rail-to-Rail, Input/Output, 2.7V, Op Amp	8-microSMD		1568.25/3,000	
LMC8101IMMCT-ND	Rail-to-Rail, Input/Output, 2.7V, Op Amp	8-microSMD	1.54	1.13	.82
LMC8101IMMTR-ND	Rail-to-Rail, Input/Output, 2.7V Op Amp	8-microSMD		533.00/1,000	
LMC8101TPCT-ND	Rail-to-Rail, Input/Output, 2.7V Op Amp	8-microSMD	1.54	1.13	.82
LMC8101TPTR-ND	Rail-to-Rail, Input/Output, 2.7V Op Amp	8-microSMD		153.75/250	
LMD18200T-ND	55V, 3A H Bridge	TO-220	11.69	10.02	8.89
LMD18201T-ND	55V, 3A H Bridge	TO-220	13.84	11.87	10.53
LMD18245T-ND	55V, 3A DMOS H Bridge Motor Driver	TO-220	13.04	11.18	9.91
LMD18400N-ND	60V, 3A DMOS Quad High Side Driver	20-Dip	9.75	8.36	7.41
LMF100CCN-ND	Dual Switched Capacitor Filter	20-Dip	6.09	4.82	3.86
LMF100CIWM-ND	High Performance Dual Switched Capacitor Filter	20-SOIC	5.15	3.92	2.99
LMH0002SQ-ND	SMPTE 292M/259M Serial Digital Cable Driver* **NEW!**	8-SOIC	11.64	9.98	8.85
LMH0002TMA-ND	SMPTE 292M/259M Serial Digital Cable Driver* **NEW!**	8-MSOP	12.48	10.70	9.49
LMH0024MA-ND	3.3V SMPTE 259M/344M Adaptive Cable Equalizer* **NEW!**	16-SOIC	17.70	16.52	15.34
LMH0031VS-ND	SMPTE 292M/259M Digital Video Deserializer/ Descrambler* **NEW!**	64-TQFP	34.05	31.78	29.51
LMH0202MT-ND	Dual SMPTE 292M/259M Serial Digital Cable Driver* **NEW!**	16-TSSOP	17.47	14.97	13.28
LMH0034MA-ND	SMPTE 292M/259M Adaptive Cable Equalizer	16-SOIC	39.90	37.24	34.58
LMH1251MT-ND	YPrPb to RGBHV Converter/2:1 Video Switch*	24-TSSOP	6.97	5.52	4.42
LMH6321MR-ND	300mA High Speed Buffer* **NEW!**	8-PSOP	6.85	5.42	4.34
LMH6321TS-ND	300mA High Speed Buffer* **NEW!**	TO-263-7	6.85	5.42	4.34
LMH6502MA-ND	Wideband, Low Power, Linear-in-dB Variable Gain Amp	14-SOIC	6.95	5.50	4.41
LMH6502MT-ND	Wideband, Low Power, Linear-in-dB Variable Gain Amp	14-TSSOP	6.95	5.50	4.41
LMH6503MA-ND	Wideband, Low Power, Linear Variable Gain Amp	14-SOIC	6.95	5.50	4.41
LMH6503MT-ND	Wideband, Low Power, Linear Variable Gain Amp	14-TSSOP	6.95	5.50	4.41
LMH6505MA-ND	Wideband, Low Power, Linear Variable Gain Amp* **NEW!**	8-SOIC	5.98	4.55	3.47
LMH6505MMCT-ND	Wideband, Low Power, Linear Variable Gain Amp* **NEW!**	8-MSOP	5.98	4.55	3.47

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LMH6505MMTR-ND	Wideband, Low Power, Linear Variable Gain Amp* **NEW!**	8-MSOP	3011.40/1,000		
LMH6504MA-ND	Wideband, Low Power, Variable Gain Amp	8-SOIC	6.00	4.56	3.48
LMH6504MMCT-ND	Wideband, Low Power, Variable Gain Amp	8-MSOP	6.00	4.56	3.48
LMH6504MMTR-ND	Wideband, Low Power, Variable Gain Amp	8-MSOP	3024.00/1,000		
LMH6550MA-ND	Differential, High Speed Op Amp	8-SOIC	5.45	4.15	3.17
LMH6550MMCT-ND	Differential, High Speed Op Amp	8-MSOP	5.45	4.15	3.17
LMH6550MMTR-ND	Differential, High Speed Op Amp	8-MSOP		2746.80/1,000	
LMH6551MA-ND	Differential, High Speed Op Amp	8-SOIC	3.80	2.89	2.21
LMH6551MMCT-ND	Differential, High Speed Op Amp	8-MSOP	3.80	2.89	2.21
LMH6551MMTR-ND	Differential, High Speed Op Amp	8-MSOP		1915.20/1,000	
LMH6559MA-ND	High Speed, Closed Loop Buffer	8-SOIC	2.79	2.07	1.53
LMH6559MFCT-ND	High Speed, Closed Loop Buffer	SOT-23-5	2.79	2.07	1.53
LMH6559MFTR-ND	High Speed, Closed Loop Buffer	SOT-23-5		1152.00/1,000	
LMH6559MA-ND	Quad, High Speed, Closed Loop Buffer	14-SOIC	5.95	4.53	3.46
LMH6560MT-ND	Quad, High Speed, Closed Loop Buffer	14-TSSOP	5.95	4.53	3.46
LMH6570MA-ND	2:1 High Speed Video Mux	8-SOIC	5.10	3.88	2.96
LMH6572MQ-ND	Triple 2:1 High Speed Video Mux	16-SSOP	6.99	5.53	4.43
LMH6574MA-ND	4:1 High Speed Video Mux	14-SOIC	5.48	4.17	3.18
LMH6609MA-ND	900MHz Voltage Feedback Op Amp	8-SOIC	3.30	2.51	1.92
LMH6609MFCT-ND	900MHz Voltage Feedback Op Amp	SOT-23-5	3.30	2.51	1.92
LMH6609MFTR-ND	900MHz Voltage Feedback Op Amp	SOT-23-5		1663.20/1,000	
LMH6622MA-ND	Dual Wideband, Low Noise, 160MHz Op Amp	8-SOIC	4.40	3.35	2.56
LMH6622MMCT-ND	Dual Wideband, Low Noise, 160MHz Op Amp	8-MSOP	4.40	3.35	2.56
LMH6622MMTR-ND	Dual Wideband, Low Noise, 160MHz Op Amp	8-MSOP		2217.60/1,000	
LMH6624MA-ND	Single Wideband, Ultra Low Noise Op Amp	8-SOIC	3.98	3.03	2.31
LMH6624MFCT-ND	Single Wideband, Ultra Low Noise Op Amp	SOT-23-5	3.98	3.03	2.31
LMH6624MFTR-ND	Single Wideband, Ultra Low Noise Op Amp	SOT-23-5		2003.40/1,000	
LMH6626MA-ND	Dual Wideband, Ultra Low Noise Op Amp	8-SOIC	4.88	3.71	2.83
LMH6626MMCT-ND	Dual Wideband, Ultra Low Noise Op Amp	8-MSOP	4.88	3.71	2.83
LMH6626MMTR-ND	Dual Wideband, Ultra Low Noise Op Amp	8-MSOP		2457.00/1,000	
LMH6628MA-ND	Dual Wideband, Low Noise, Voltage Feedback Op Amp	8-SOIC	3.55	2.70	2.06
LMH6639MA-ND	190MHz Rail-to-Rail Output Amp with Disable	8-SOIC	2.08	1.55	1.14
LMH6639MFCT-ND	190MHz Rail-to-Rail Output Amp with Disable	SOT-23-6	2.08	1.55	1.14
LMH6639MFTR-ND	190MHz Rail-to-Rail Output Amp with Disable	SOT-23-6		857.60/1,000	
LMH6640MFCT-ND	TFT-LCD Single, 16V Rail-to-Rail Out High Op Amp	SOT-23-5	2.75	2.09	1.60
LMH6640MFTR-ND	TFT-LCD Single, 16V Rail-to-Rail Out High Op Amp	SOT-23-5		1386.00/1,000	
LMH6642MA-ND	3V, LP, 130MHz, 75mA Single Supply, R/R Op Amp	8-SOIC	1.95	1.45	1.08
LMH6642MFCT-ND	3V, LP, 130MHz, 75mA Single Supply, R/R Op Amp	SOT-23-5	1.95	1.45	1.08
LMH6642MFTR-ND	3V, LP, 130MHz, 75mA Single Supply, R/R Op Amp	SOT-23-5		806.40/1,000	
LMH6643MA-ND	3V, Low Power, 130MHz, Rail-to-Rail Output Amp	8-SOIC	2.08	1.55	1.14
LMH6643MMCT-ND	3V, Low Power, 130MHz, Rail-to-Rail Output Amp	8-MSOP	2.08	1.55	1.14
LMH6643MMTR-ND	3V, Low Power, 130MHz, Rail-to-Rail Output Amp	8-MSOP		857.60/1,000	
LMH6644MA-ND	3V, Low Power, 130MHz, 75mA R/R Output Amp	14-SOIC	3.10	2.36	1.80
LMH6644MT-ND	3V, Low Power, 130MHz, 75mA R/R Output Amp	14-TSSOP	3.10	2.36	1.80
LMH6645MA-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	8-SOIC	2.23	1.66	1.23
LMH6645MFCT-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	SOT-23-5	2.23	1.66	1.23
LMH6645MFTR-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	SOT-23-5		921.60/1,000	
LMH6646MA-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	8-SOIC	2.50	1.90	1.45
LMH6646MMCT-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	8-MSOP	2.50	1.90	1.45
LMH6646MMTR-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	8-MSOP		1260.00/1,000	
LMH6647MA-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	8-SOIC	2.51	1.87	1.38
LMH6647MFCT-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	SOT-23-6	2.51	1.87	1.38
LMH6647MFTR-ND	2.7V, Rail-to-Rail, In/Out Amp with Shutdown	SOT-23-6		1036.80/1,000	
LMH6654MA-ND	Single, Low Power, 250MHz, Low Noise Amp	8-SOIC	2.67	1.98	1.47
LMH6654MFCT-ND	Single, Low Power, 250MHz, Low Noise Amp	SOT-23-5	2.67	1.98	1.47
LMH6654MFTR-ND	Single, Low Power, 250MHz, Low Noise Amp	SOT-23-5		1100.80/1,000	
LMH6655MA-ND	Dual, Low Power, 250MHz, Low Noise Amp	8-SOIC	3.05	2.32	1.77
LMH6655MMCT-ND	Dual, Low Power, 250MHz, Low Noise Amp	8-MSOP	3.05	2.32	1.77
LMH6655MMTR-ND	Dual, Low Power, 250MHz, Low Noise Amp	8-MSOP		1537.20/1,000	
LMH6657MFCT-ND	270MHz, Single Supply Amp	SOT-23-5	2.23	1.66	1.23
LMH6657MFTR-ND	270MHz, Single Supply Amp	SOT-23-5		921.60/1,000	
LMH6657MGCT-ND	270MHz, Single Supply Amp	SC70-5	2.23	1.66	1.23
LMH6657MGTR-ND	270MHz, Single Supply Amp	SC70-5		921.60/1,000	
LMH6658MA-ND	270MHz, Dual, High Speed, Low Noise Op Amp	8-SOIC	2.91	2.17	1.60
LMH6658MMCT-ND	270MHz, Dual, High Speed, Low Noise Op Amp	8-MSOP	2.91	2.17	1.60
LMH6658MMTR-ND	270MHz, Dual, High Speed, Low Noise Op Amp	8-MSOP		1203.20/1,000	
LMH6672LDCT-ND	Dual, High Output Current, High Speed Op Amp	8-LLP	4.48	3.41	2.60
LMH6672LDTR-ND	Dual, High Output Current, High Speed Op Amp	8-LLP		2255.40/1,000	
LMH6672MA-ND	Dual, High Output Current, High Speed Op Amp	8-SOIC	3.80	2.89	2.21
LMH6672MR-ND	Dual, High Output Current, High Speed Op Amp	8-PSOP	3.80	2.89	2.21
LMH6682MA-ND	Dual, 190MHz Single Supply Op Amp	8-SOIC	2.64	1.96	1.45
LMH6682MMCT-ND	Dual, 190MHz Single Supply Op Amp	8-MSOP	2.64	1.96	1.45
LMH6682MMTR-ND	Dual, 190MHz Single Supply Op Amp	8-MSOP		1088.00/1,000	
LMH6683MA-ND	Triple, 190MHz Single Supply Op Amp	14-SOIC	2.95	2.25	1.72
LMH6683MT-ND	Triple, 190MHz Single Supply Op Amp	14-TSSOP	2.95	2.25	1.72
LMH6702MA-ND	720MHz, Ultra Low Distortion, Wideband Op Amp	8-SOIC	3.55	2.70	2.06
LMH6702MFCT-ND	720MHz, Ultra Low Distortion, Wideband Op Amp	SOT-23-5	3.55	2.70	2.06
LMH6702MFTR-ND	720MHz, Ultra Low Distortion, Wideband Op Amp	SOT-23-5		1789.20/1,000	
LMH6703MA-ND	1.2GHz, Low Distortion Op Amp	8-SOIC	3.55	2.70	2.06
LMH6703MFCT-ND	1.2GHz, Low Distortion Op Amp*	SOT-23-6	3.55	2.70	2.06
LMH6703MFTR-ND	1.2GHz, Low Distortion Op Amp*	SOT-23-6		1789.20/1,000	
LMH6704MA-ND	650MHz Programmable Gain Buffer with Disable	8-SOIC	3.55	2.70	2.06
LMH6704MFCT-ND	650MHz Programmable Gain Buffer with Disable	SOT-23-6	3.55	2.70	2.06
LMH6704MFTR-ND	650MHz Programmable Gain Buffer with Disable	SOT-23-6		1782.80/1,000	
LMH6714MA-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	8-SOIC	2.95	2.19	1.62
LMH6714MFCT-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	SOT-23-5	2.95	2.19	1.62
LMH6714MFTR-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	SOT-23-5		1216.00/1,000	
LMH6715MA-ND	Dual, Wideband Video Op Amp	8-SOIC	4.03	3.06	2.34
LMH6718MA-ND	Dual, High Output Programmable Gain Buffer	8-SOIC	3.28	2.49	1.90
LMH6720MA-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	8-SOIC	2.50	1.90	1.45
LMH6720MFCT-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	SOT-23-6	2.50	1.90	1.45
LMH6720MFTR-ND	Single, 400MHz, Wideband Video Op Amp w/Shutdown	SOT-23-6		1260.00/1,000	
LMH6722MA-ND	Quad, Wideband Video Op Amp	14-SOIC	5.13	3.90	2.98
LMH6722MT-ND	Quad, Wideband Video Op Amp*	14-TSSOP	5.23	3.98	3.04
LMH6723MA-ND	370MHz, 1mA Current Feedback Op Amp	8-SOIC	2.98	2.27	1.73
LMH6723MFCT-ND	370MHz, 1mA Current Feedback Op Amp	SOT-23-5	2.98	2.27	1.73
LMH6723MFTR-ND	370MHz, 1mA Current Feedback Op Amp	SOT-23-5		1499.40/1,000	
LMH6724MA-ND	Dual, 370MHz, 1mA Current Feedback Op Amp	8-SOIC	4.18	3.18	2.43
LMH6725MA-ND	Quad, 370MHz, 1mA Current Feedback Op Amp	14-SOIC	5.95	4.53	3.46
LMH6725MT-ND	Quad, 370MHz, 1mA Current Feedback Op Amp* **NEW!**	14-TSSOP	5.95	4.53	3.46
LMH6732MA-ND	High Speed Op Amp with Adj. Bandwidth	8-SOIC	5.73	4.54	3.64
LMH6732MFCT-ND	High Speed Op Amp with Adj. Bandwidth	SOT-23-6	5.73	4.54	3.64
LMH6732MFTR-ND	High Speed Op Amp with Adj. Bandwidth	SOT-23-6		3385.20/1,000	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LMH6738MQ-ND	Very Wideband, Low Distortion Triple Op Amp	16-SSOP	5.95	4.53	3.4
LMH6739MQ-ND	Very Wideband, Low Distortion Triple Video Buffer	16-SSOP	5.40	4.27	3.4
LMH730151-ND	Triple 2:1 Multiplexer Evaluation Board	—	6.30	—	—
LMH730154-ND	High Speed Differential Amp Evaluation Board	—	6.30	—	—
LMH730275-ND	Triple High Speed SSOP Op Amp Evaluation Board	—	6.30	—	—
LMH730276-ND	4:1 Multiplexer Evaluation Board	—	6.30	—	—
LMH730277-ND	2:1 Multiplexer Evaluation Board	—	6.30	—	—
LMP2011MA-ND	Single High Precision, Rail-to-Rail Output Op Amp	8-SOIC	2.50	1.90	1.4
LMP2011MFCT-ND	Single High Precision, Rail-to-Rail Output Op Amp	SOT-23-5	2.50	1.90	1.4
LMP2011MFTR-ND	Single High Precision, Rail-to-Rail Output Op Amp	SOT-23-5		1260.00/1,000	
LMP2012MA-ND	Dual, High Precision, Rail-to-Rail Output Op Amp* **NEW!**	8-SOIC	3.93	2.99	2.2
LMP2012MMCT-ND	Dual, High Precision, Rail-to-Rail Output Op Amp	8-MSOP	3.93	2.99	2.2
LMP2012MMTR-ND	Dual, High Precision, Rail-to-Rail Output Op Amp	8-MSOP		1978.20/1,000	
LMP2014MT-ND	Quad, High Precision, Rail-to-Rail Output Op Amp	14-TSSOP	5.50	4.35	3.4
LMP7701MFCT-ND	Precision, CMOS Input, R/R I/O Wide Supply Range Amp	SOT-23-5	2.50	1.90	1.4
LMP7701MFTR-ND	Precision, CMOS Input, R/R I/O Wide Supply Range Amp	SOT-23-5		1260.00/1,000	
LMP7702MMCT-ND	Precision, CMOS Input, R/R I/O Wide Supply Range Amp* **NEW!**	8-MSOP	4.50	3.42	2.6
LMP7702MMTR-ND	Precision, CMOS Input, R/R I/O Wide Supply Range Amp* **NEW!**	8-MSOP		2268.00/1,000	
LMP7704MT-ND	Precision, CMOS Input, R/R I/O Wide Supply Range Amp* **NEW!**	14-TSSOP	5.93	4.51	3.4
LMP7711MKCT-ND	Single Precision, 17MHz, Low Noise CMOS Input Amp	TSOT-23-6	3.68	2.80	2.1
LMP7711MKTR-ND	Single Precision, 17MHz, Low Noise CMOS Input Amp	TSOT-23-6		1852.20/1,000	
LMP7712MMCT-ND	Dual Precision, 17MHz, Low Noise CMOS Input Amp	10-MSOP	5.10	3.88	2.9
LMP7712MMTR-ND	Dual Precision, 17MHz, Low Noise CMOS Input Amp	10-MSOP		2570.40/1,000	
LMP7715MFCT-ND	Single Precision, 17MHz, Low Noise, CMOS Input Amp* **NEW!**	SOT23-5	3.55	2.70	2.0
LMP7715MFTR-ND	Single Precision, 17MHz, Low Noise, CMOS Input Amp* **NEW!**	SOT23-5		1789.20/1,000	
LMP7716MMCT-ND	Dual Precision, 17MHz, Low Noise, CMOS Input Amp* **NEW!**	8-MSOP	4.88	3.71	2.8
LMP7716MMTR-ND	Dual Precision, 17MHz, Low Noise, CMOS Input Amp* **NEW!**	8-MSOP		2457.00/1,000	
LMP8270MA-ND	High Common Mode, Gain of 20, Precision Voltage Diff. Amp* **NEW!**	8-SOIC	3.45	2.63	2.0
LMP8271MA-ND	High Common Mode, Gain of 20, Bidirectional Precision Voltage Diff. Amp* **NEW!**	8-SOIC	3.73	2.84	2.1
LMP8272MA-ND	High Common Mode, Gain of 14, Precision Voltage Diff. Amp* **NEW!**	8-SOIC	3.45	2.63	2.0
LMP8275MA-ND	High Common Mode, Gain of 20, Precision Voltage Diff. Amp* **NEW!**	8-SOIC	3.09	2.30	1.7
LMP8276MA-ND	High Common Mode, Gain of 20, Precision Voltage Diff. Amp* **NEW!**	8-SOIC	2.73	2.08	1.5
LMP8277MA-ND	High Common Mode, Gain of 14, Precision Voltage Diff. Amp* **NEW!**	8-SOIC	3.09	2.30	1.7
LMS1585ACS-ADJ-ND	Adj. 5A LDO Fast Response Regulator	TO-263	2.55	1.94	1.4
LMS1585ACS-3.3-ND	3.3V, 5A LDO Fast Response Regulator	TO-263	2.55	1.94	1.4
LMS1585ACT-ADJ-ND	Adj. 5A LDO Fast Response Regulator	TO-220	2.55	1.94	1.4
LMS1585ACT-3.3-ND	3.3V, 5A LDO Fast Response Regulator	TO-220	2.55	1.94	1.4
LMS1585AIS-ADJ-ND	Adj. 5A LDO Fast Response Regulator, Ind. Temp.	TO-263	2.55	1.94	1.4
LMS1585AIS-3.3-ND	3.3V, 5A LDO Fast Response Regulator, Ind. Temp.	TO-263	2.55	1.94	1.4
LMS1585AIT-ADJ-ND	Adj. 5A LDO Fast Response Regulator, Ind. Temp.	TO-220	2.55	1.94	1.4
LMS1585AIT-1.5-ND	1.5V, 5A, LDO Fast Response Regulator, Ind. Temp.	TO-220	2.55	1.94	1.4
LMS1585AIT-3.3-ND	3.3V, 5A LDO Fast Response Regulator, Ind. Temp.	TO-220	2.55	1.94	1.4
LMS1587CS-ADJ-ND	Adj. 3A LDO Fast Response Regulator	TO-263	2.55	1.94	1.4
LMS1587CS-1.5-ND	1.5V, 3A LDO Fast Response Regulator	TO-263	2.55	1.94	1.4
LMS1587CT-ADJ-ND	Adj. 3A LDO Fast Response Regulator	TO-220	2.55	1.94	1.4
LMS1587CT-3.3-ND	3.3V, 3A LDO Fast Response Regulator	TO-220	2.55	1.94	1.4
LMS1587IS-ADJ-ND	Adj. 3A LDO Fast Response Regulator, Ind. Temp.	TO-263	2.55	1.94	1.4
LMS1587IS-3.3-ND	3.3V, 3A LDO Fast Response Regulator, Ind. Temp.	TO-263	2.55	1.94	1.4
LMS1587IT-ADJ-ND	Adj. 3A LDO Fast Response Regulator, Ind. Temp.	TO-220	2.55	1.94	1.4
LMS1587IT-3.3-ND	3.3V, 3A LDO Fast Response Regulator, Ind. Temp.	TO-220	2.55	1.94	1.4
LMS5213IM7-3.3CT-ND	80mA, LDO Voltage Regulator	SC-70-5	1.39	1.02	.7
LMS5213IM7-3.3TR-ND	80mA, LDO Voltage Regulator	SC-70-5		481.00/1,000	
LMS8117ADT-1.8-ND	1.8V, 1A LDO Linear Regulator	TO-252	1.72	1.27	.9
LMV112SDCT-ND	40MHz Dual Clock Buffer*	8-LLP	1.50	1.10	.8
LMV112SDTR-ND	40MHz Dual Clock Buffer*	8-LLP		520.00/1,000	
LMV115MGCT-ND	GSM Baseband 30MHz, 2.8V Oscillator Buffer	SC70-6	1.20	.88	.6
LMV115MGTR-ND	GSM Baseband 30MHz, 2.8V Oscillator Buffer	SC70-6		416.00/1,000	
LMV116MFCT-ND	Low Volt, 45MHz, R/R Output Op Amp	SOT-23-5	1.67	1.25	.9
LMV116MFTR-ND	Low Volt, 45MHz, R/R Output Op Amp	SOT-23-5		691.20/1,000	
LMV118MFCT-ND	Low Volt, 45MHz, R/R Output Op Amp with Shutdown	SOT-23-6	1.74	1.29	.9
LMV118MFTR-ND	Low Volt, 45MHz, R/R Output Op Amp with Shutdown	SOT-23-6		716.80/1,000	
LMV221TLCT-ND	RF Power Detector for CDMA and WCDMA	4-microSMD	1.46	1.08	.7
LMV225TLTR-ND	RF Power Detector for CDMA and WCDMA	4-microSMD		146.25/250	
LMV226TLCT-ND	RF Power Detector for CDMA and WCDMA	4-microSMD	1.58	1.18	.8
LMV226TLTR-ND	RF Power Detector for CDMA and WCDMA	4-microSMD		172.13/250	
LMV228SDCT-ND	RF Power Detector for CDMA and WCDMA* **NEW!**	6-LLP	1.92	1.43	1.0
LMV228SDTR-ND	RF Power Detector for CDMA and WCDMA* **NEW!**	6-LLP		791.04/1,000	
LMV228TLCT-ND	RF Power Detector for CDMA and WCDMA	4-microSMD	1.61	1.19	.8
LMV228TLTR-ND	RF Power Detector for CDMA and WCDMA	4-microSMD		161.25/250	
LMV242LDCT-ND	Dual Output, Quad-Band GSM/GPRS Power Amp Controller	10-LLP	1.71	1.27	.9
LMV242LDTR-ND	Dual Output, Quad-Band GSM/GPRS Power Amp Controller	10-LLP		704.00/1,000	
LMV243BLCT-ND	Single-Channel, Quad Band GSM Power Controller	8-microSMD	2.57	1.91	1.4
LMV243BLTR-ND	Single-Channel, Quad Band GSM Power Controller	8-microSMD		280.13/250	
LMV301MGCT-ND	Op Amp 1.8V, Low Input Bias, Rail-to-Rail Output	SC70-5	.96	.71	.5
LMV301MGTR-ND	Op Amp 1.8V, Low Input Bias, Rail-to-Rail Output	SC70-5		334.10/1,000	
LMV321M5CT-ND	Op Amp Low Voltage	SOT-23-5	.88	.64	.4
LMV321M5TR-ND	Op Amp Low Voltage	SOT-23-5		274.40/1,000	
LMV321M7CT-ND	Op Amp Low Voltage (2/3 the size of SOT-23)	SC70-5	.92	.67	.4
LMV321M7TR-ND	Op Amp Low Voltage (2/3 the size of SOT-23)	SC70-5		285.60/1,000	
LMV324M-ND	Low Power Quad Op Amp Low Voltage	14-SOIC	.96	.71	.5
LMV324MXCT-ND	Low Power Quad Op Amp Low Voltage	14-SOIC	.96	.71	.5
LMV324MXTR-ND	Low Power Quad Op Amp Low Voltage	14-SOIC		812.81/2,500	
LMV324MT-ND	Low Power Quad Op Amp Low Voltage	14-TSSOP	1.12	.82	.6
LMV331M5CT-ND	Single General Purpose, Low Voltage, TinyPack Comp	SOT-23-5	1.08	.78	.5
LMV331M5TR-ND	Single General Purpose, Low Voltage, TinyPack Comp	SOT-23-5		335.00/1,000	
LMV331M5XCT-ND	General Purpose Low Voltage TinyPack Comparator	SOT-23-5	1.08	.78	.5
LMV331M5XTR-ND	General Purpose Low Voltage TinyPack Comparator	SOT-23-5		957.60/3,000	

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LMV331M7TR-ND	General Purpose Low Voltage TinyPack Comparator	SC70-5		325.00/1,000	
LMV331M7XCT-ND	General Purpose Low Voltage TinyPack Comparator	SC70-5	.94	.69	.50
LMV331M7XTR-ND	General Purpose Low Voltage TinyPack Comparator	SC70-5		956.25/3,000	
LMV339M-ND	Quad General Purpose, Low Voltage, TinyPack Comp.	14-SOIC		397.80/1,000	
LMV339MT-ND	Quad General Purpose, Low Voltage, TinyPack Comp.	14-TSSOP	1.28	.94	.68
LMV341MGCT-ND	Single, 2.7V, Rail-to-Rail Op Amp	SC70-6	.98	.72	.52
LMV341MGTR-ND	Single, 2.7V, Rail-to-Rail Op Amp	SC70-6		338.00/1,000	
LMV342MA-ND	Dual, 2.7V, Rail-to-Rail, Op Amp	8-SOIC	1.14	.84	.61
LMV342MMCT-ND	Dual, 2.7V, Rail-to-Rail, Op Amp	8-MSOP	1.18	.87	.63
LMV342MMTR-ND	Dual, 2.7V, Rail-to-Rail, Op Amp	8-MSOP		408.20/1,000	
LMV344MA-ND	Quad, 2.7V, Rail-to-Rail, Op Amp	14-SOIC	1.25	.92	.67
LMV344MT-ND	Quad, 2.7V, Rail-to-Rail, Op Amp	14-TSSOP	1.39	1.03	.75
LMV358M-ND	Low Power Dual Op Amp, Low Voltage	8-SOIC	1.07	.78	.56
LMV358MX-ND	Low Power Dual Op Amp, Low Voltage	8-SOIC	1.07	.78	.56
LMV358MXTR-ND	Low Power Dual Op Amp, Low Voltage	8-SOIC		791.35/2,500	
LMV358MMCT-ND	Low Power Dual Op Amp, Low Voltage	8-MSOP	1.07	.78	.56
LMV358MMTR-ND	Low Power Dual Op Amp, Low Voltage	8-MSOP		333.20/1,000	
LMV393M-ND	Dual General Purpose Low Voltage, TinyPack Comp.	8-SOIC	1.01	.75	.54
LMV393MCT-ND	Dual General Purpose Low Voltage, TinyPack Comp.	8-MSOP	1.01	.75	.54
LMV393MMTR-ND	Dual General Purpose Low Voltage, TinyPack Comp.	8-MSOP		351.00/1,000	
LMV393MMXCT-ND	Dual General Purpose Low Voltage, TinyPack Comp.	8-MSOP	1.01	.75	.54
LMV393MMXTR-ND	General Purpose Low Voltage, TinyPack Comparator	8-MSOP		1204.88/3,500	
LMV422MMCT-ND	Dual Rail-to-Rail Output Op Amp	10-MSOP	2.85	2.17	1.66
LMV422MMTR-ND	Dual Rail-to-Rail Output Op Amp	10-MSOP		1436.40/1,000	
LMV431ACM5CT-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5	.70	.51	.37
LMV431ACM5TR-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5		218.40/1,000	
LMV431AIZ-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	TO-92	.70	.51	.37
LMV431AIM5CT-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5	.88	.64	.47
LMV431AIM5TR-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5		274.40/1,000	
LMV431AIZ-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	TO-92	.88	.64	.47
LMV431CM5CT-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5	.66	.48	.35
LMV431CM5TR-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5		205.80/1,000	
LMV431CZ-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	TO-92	.66	.48	.35
LMV431IM5CT-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5	.70	.51	.37
LMV431IM5TR-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	SOT-23-5		218.40/1,000	
LMV431IZ-ND	Low-Voltage (1.24V) Adj. Precision Shunt Regulator	TO-92	.70	.51	.37
LMV710M5CT-ND	Low Power, R/R, I/O Op Amp with High Output Current Drive and Shutdown Option	SOT-23-5	1.64	1.22	.91
LMV710M5TR-ND	Low Power, R/R, I/O Op Amp with High Output Current Drive and Shutdown Option	SOT-23-5		678.40/1,000	
LMV711M6CT-ND	Low Power, R/R, I/O Op Amp with High Output Current Drive and Shutdown Option	SOT-23-6	1.84	1.35	.98
LMV711M6TR-ND	Low Power, R/R, I/O Op Amp with High Output Current Drive and Shutdown Option	SOT-23-6		637.00/1,000	
LMV712BLCT-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-microSMD	2.24	1.67	1.23
LMV712BLTR-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-microSMD		243.68/250	
LMV712LDCT-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-LLP	2.23	1.66	1.23
LMV712LDTR-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-LLP		921.60/1,000	
LMV712MMCT-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-MSOP	1.83	1.36	1.01
LMV712MMTR-ND	Low Power, Low Noise, High Output, R/R, In/Out Dual Op Amp with Independent Shutdown	10-MSOP		755.20/1,000	
LMV715MFCT-ND	Low Power, R/R, In/Out Op Amp with High Output Current Drive and Shutdown Option	SOT-23-6	1.84	1.35	.98
LMV715MFTR-ND	Low Power, R/R, In/Out Op Amp with High Output Current Drive and Shutdown Option	SOT-23-6		637.00/1,000	
LMV716MMCT-ND	5MHz, Low Noise, R/R Dual Op Amp* **NEW!**	8-MSOP	1.53	1.13	.82
LMV716MMTR-ND	5MHz, Low Noise, R/R Dual Op Amp* **NEW!**	8-MSOP		531.70/1,000	
LMV721M5CT-ND	Low Noise, Low Voltage, 10MHz, Low Power Op Amp	SOT-23-5	1.61	1.19	.86
LMV721M5TR-ND	Low Noise, Low Voltage, 10MHz, Low Power Op Amp	SOT-23-5		559.00/1,000	
LMV721M7CT-ND	Low Noise, Low Voltage, 10MHz, Low Power Op Amp	SC70-5	1.61	1.19	.86
LMV721M7TR-ND	Low Noise, Low Voltage, 10MHz, Low Power Op Amp	SC70-5		559.00/1,000	
LMV722LDCT-ND	10MHz Low Noise, Low Volt., Low Power Op Amp*	8-LLP	1.67	1.25	.92
LMV722LDTR-ND	10MHz Low Noise, Low Volt., Low Power Op Amp*	8-LLP		691.20/1,000	
LMV722M-ND	10MHz Low Noise, Low Voltage, Low Power Op Amp	8-SOIC	1.67	1.25	.92
LMV722MMCT-ND	10MHz Low Noise, Low Voltage, Low Power Op Amp	8-MSOP	1.67	1.25	.92
LMV722MMTR-ND	10MHz Low Noise, Low Voltage, Low Power Op Amp	8-MSOP		691.20/1,000	
LMV751M5CT-ND	Low Noise, Low Voltage, Single Op Amp	SOT-23-5	2.29	1.71	1.26
LMV751M5TR-ND	Low Noise, Low Voltage, Single Op Amp	SOT-23-5		947.20/1,000	
LMV761MA-ND	Low Voltage Prec. Comparator with Push-Pull Output	8-SOIC	1.56	1.16	.86
LMV761MFCT-ND	Low Voltage Prec. Comparator with Push-Pull Output	SOT-23-6	1.56	1.16	.86
LMV761MFTR-ND	Low Voltage Prec. Comparator with Push-Pull Output	SOT-23-6		645.12/1,000	
LMV762MA-ND	Low Voltage Prec. Comparator with Push-Pull Output	8-SOIC	2.17	1.61	1.19
LMV762MMCT-ND	Low Voltage Prec. Comparator with Push-Pull Output	8-MSOP	2.17	1.61	1.19
LMV762MMTR-ND	Low Voltage Prec. Comparator with Push-Pull Output	8-MSOP		896.00/1,000	
LMV771MGCT-ND	Low Offset, Low Noise, Rail-to-Rail Output Op Amp	SC70-5	1.84	1.35	.98
LMV771MGTR-ND	Low Offset, Low Noise, Rail-to-Rail Output Op Amp	SC70-5		637.00/1,000	
LMV772MA-ND	Dual Low Offset, Low Noise Op Amp	8-SOIC	1.74	1.30	.96
LMV772MMCT-ND	Dual Low Offset, Low Noise Op Amp	8-MSOP	1.74	1.30	.96
LMV772MMTR-ND	Dual Low Offset, Low Noise Op Amp	8-MSOP		718.08/1,000	
LMV774MT-ND	Quad Low Offset, Low Noise Op Amp	14-TSSOP	2.17	1.61	1.19
LMV791MKCT-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp*	TSOT-23-6	1.83	1.36	1.01
LMV791MKTR-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp*	TSOT-23-6		755.20/1,000	
LMV792MMCT-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp	10-MSOP	2.50	1.90	1.45
LMV792MMTR-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp	10-MSOP		1260.00/1,000	
LMV796MFCT-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp* **NEW!**	SOT-23-5	1.74	1.30	.96
LMV796MFTR-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp* **NEW!**	SOT-23-5		718.08/1,000	
LMV797MMCT-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp* **NEW!**	8-MSOP	2.89	2.15	1.59
LMV797MMTR-ND	17MHz, Low Noise, CMOS Input, 1.8V Op Amp* **NEW!**	8-MSOP		1191.68/1,000	
LMV821M5CT-ND	Low Voltage, 5MHz, Low Power, R/R, Output Op Amp	SOT-23-5	1.35	.99	.72
LMV821M5TR-ND	Low Voltage, 5MHz, Low Power, R/R, Output Op Amp	SOT-23-5		468.00/1,000	
LMV821M7CT-ND	Low Voltage, 5MHz, Low Power, R/R, Output Op Amp	SC70-5	1.39	1.02	.74
LMV821M7TR-ND	Low Voltage, 5MHz, Low Power, R/R, Output Op Amp	SC70-5		481.00/1,000	
LMV822M-ND	Low Voltage, 5MHz, Low Power, R/R, Output Op Amp	8-SOIC	1.50	1.10	.80
LMV822MMCT-ND	Dual Low Volt, 5MHz, Low Power, R/R, Output Op Amp	8-MSOP	1.57	1.15	.84
LMV822MMTR-ND	Dual Low Volt, 5MHz, Low Power, R/R, Output Op Amp	8-MSOP		543.40/1,000	
LMV822MXCT-ND	Low Volt, 5MHz, Low Power, R/R, Output Op Amp	8-SOIC	1.50	1.10	.80
LMV822MXTR-ND	Low Volt, 5MHz, Low Power, R/R, Output Op Amp	8-SOIC		1271.81/2,500	
LMV822MMXTR-ND	Low Volt, 5MHz, Low Power, R/R, Output Op Amp	8-MSOP		1865.33/3,500	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LMV824M-ND	Quad Low Volt, 5MHz, Low Power, R/R, Output Op Amp	14-SOIC	1.71	1.26	.92
LMV824MT-ND	Quad Low Volt, 5MHz, Low Power, R/R, Output Op Amp	14-TSSOP	1.75	1.29	.94
LMV831MFCT-ND	Single 1.8V Rail-to-Rail, In/Out, Op Amp	SOT-23-5	1.39	1.02	.74
LMV831MFTR-ND	Single 1.8V Rail-to-Rail, In/Out, Op Amp	SOT-23-5		481.00/1,000	
LMV831MGCT-ND	Single 1.8V Rail-to-Rail, In/Out, Op Amp	SC70-5	1.39	1.02	.74
LMV831MGTR-ND	Single 1.8V Rail-to-Rail, In/Out, Op Amp	SC70-5		481.00/1,000	
LMV832MA-ND	Dual 1.8V Rail-to-Rail, In/Out, Op Amp	8-SOIC	1.54	1.13	.82
LMV832MMCT-ND	Dual 1.8V Rail-to-Rail, In/Out, Op Amp	8-MSOP	1.54	1.13	.82
LMV832MMTR-ND	Dual 1.8V Rail-to-Rail, In/Out, Op Amp	8-MSOP		533.00/1,000	
LMV834MA-ND	Quad 1.8V Rail-to-Rail, In/Out, Op Amp	14-SOIC	1.77	1.32	.97
LMV834MT-ND	Quad 1.8V Rail-to-Rail, In/Out, Op Amp	14-TSSOP	1.77	1.32	.97
LMV981BLCT-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	6-microSMD	1.70	1.25	.91
LMV981BLTR-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	6-microSMD		169.88/250	
LMV981MFCT-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	SOT-23-6	1.61	1.18	.86
LMV981MFTR-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	SOT-23-6		556.40/1,000	
LMV981MGCT-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	SC70-6	1.61	1.18	.86
LMV981MGTR-ND	1.8V Rail-to-Rail, In/Out, Op Amp with Shutdown	SC70-6		556.40/1,000	
LMV982MCT-ND	Dual, 1.8V, Rail-to-Rail In/Out Op Amp with Shutdown	10-MSOP	1.59	1.18	.88
LMV982MTR-ND	Dual, 1.8V, Rail-to-Rail In/Out Op Amp with Shutdown	10-MSOP		656.64/1,000	
LMV1012TP-07CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.43	1.05	.76
LMV1012TP-07TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		142.50/250	
LMV1012TP-15CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.46	1.08	.78
LMV1012TP-15TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		146.25/250	
LMV1012TP-25CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.46	1.08	.78
LMV1012TP-25TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		146.25/250	
LMV1012UP-07CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.43	1.05	.76
LMV1012UP-07TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		142.50/250	
LMV1012UP-15CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.43	1.05	.76
LMV1012UP-15TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		142.50/250	
LMV1012UP-20CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.43	1.05	.76
LMV1012UP-20TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		142.50/250	
LMV1012UP-25CT-ND	Analog Pre-Amp for High Gain Microphone	4-MSOP	1.43	1.05	.76
LMV1012UP-25TR-ND	Analog Pre-Amp for High Gain Microphone	4-MSOP		142.50/250	
LMV1012UP-15CT-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD	1.76	1.30	.94
LMV1012XP-15TR-ND	Analog Pre-Amp for High Gain Microphone	4-microSMD		176.25/250	
LMV1012XP-25CT-ND	Analog Pre-Amp for High Gain Microphone	4-MicroSMD	1.84	1.35	.98
LMV1012XP-25TR-ND	Analog Pre-Amp for High Gain Microphone	4-MicroSMD		183.75/250	
LMV1015UR-15CT-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD	1.28	.94	.68
LMV1015UR-15TR-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD		127.50/250	
LMV1015UR-25CT-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD	1.39	1.02	.74
LMV1015UR-25TR-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD		138.75/250	
LMV1015XR-15CT-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD	1.54	1.13	.82
LMV1015XR-25CT-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD	1.58	1.16	.84
LMV1015XR-25TR-ND	Built-in Gain IC for High Sensitivity 2-Wire Microphone	4-USMD		157.50/250	
LMV1032UP-06CT-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP	1.76	1.30	.94
LMV1032UP-06TR-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP		176.25/250	
LMV1032UP-15CT-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP	1.76	1.30	.94
LMV1032UP-15TR-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP		176.25/250	
LMV1032UP-25CT-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP	1.76	1.30	.94
LMV1032UP-25TR-ND	Amp for 3-Wire Analog Electret Microphone	4-MSOP		176.25/250	
LMV2011MA-ND	High Precision, Rail-to-Rail Output Op Amp	8-SOIC	2.51	1.87	1.38
LMV2011MFCT-ND	High Precision, Rail-to-Rail Output Op Amp	SOT-23-5	2.51	1.87	1.38
LMV2011MFTR-ND	High Precision, Rail-to-Rail Output Op Amp	SOT-23-5		1036.80/1,000	
LMV7219M5CT-ND	7nS, 2.7V to 5V Comparator with Rail-to-Rail, Output	SOT-23-5	2.63	2.00	1.53
LMV7219M5TR-ND	7nS, 2.7V to 5V Comparator with Rail-to-Rail, Output	SOT-23-5		1323.00/1,000	
LMV7219M7CT-ND	7nS, 2.7V to 5V Comparator with Rail-to-Rail, Output	SC70-5	2.63	2.00	1.53
LMV7219M7TR-ND	7nS, 2.7V to 5V Comparator with Rail-to-Rail, Output	SC70-5		1323.00/1,000	
LMV7235M5CT-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SOT-23-5	1.74	1.29	.96
LMV7235M5TR-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SOT-23-5		716.80/1,000	
LMV7235M7CT-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SC70-5	1.74	1.29	.96
LMV7235M7TR-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SC70-5		716.80/1,000	
LMV7239M5CT-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SOT-23-5	1.74	1.29	.96
LMV7239M5TR-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SOT-23-5		716.80/1,000	
LMV7239M7CT-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SC70-5	1.74	1.29	.96
LMV7239M7TR-ND	Ultra Low Power, Low Voltage, R/R Input Comparator with Open Drain/Push Pull Ouput	SC70-5		716.80/1,000	
LMV7271MFCT-ND	Single, 1.8V Low Power Comparator with R/R Input	SOT-23-5	1.43	1.05	.76
LMV7271MFTR-ND	Single, 1.8V Low Power Comparator with R/R Input	SOT-23-5		494.00/1,000	
LMV7271MGCT-ND	Single, 1.8V Low Power Comparator with R/R Input	SC70-5	1.43	1.05	.76
LMV7271MGTR-ND	Single, 1.8V Low Power Comparator with R/R Input	SC70-5		494.00/1,000	
LMV7272TLCT-ND	Dual, 1.8V Low Power Comparator with R/R Input	microSMD	1.65	1.23	.91
LMV7272TLTR-ND	Dual, 1.8V Low Power Comparator with R/R Input	microSMD		179.55/250	
LMV7275MFCT-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SOT-23-5	1.43	1.05	.76
LMV7275MFTR-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SOT-23-5		494.00/1,000	
LMV7275MGCT-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SC70-5	1.43	1.05	.76
LMV7275MGTR-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SC70-5		494.00/1,000	
LMV7291MGCT-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SC70-5	1.39	1.03	.75
LMV7291MGTR-ND	1.8V Low Power Comparator with Rail-to-Rail Input	SC70-5		482.30/1,000	
LP324M-ND	Micropower Quad Op Amp	14-SOIC	1.10	.81	.59
LP324MT-ND	Micropower Quad Op Amp	14-TSSOP	1.42	1.04	.76
LP324MX-ND	Micropower Quad Op Amp	14-SOIC	.94	.69	.50
LP324MXTR-ND	Micropower Quad Op Amp	14-SOIC		937.13/2,500	
LP324N-ND	Micropower Quad Op Amp	14-Dip	1.28	.94	.69
LP339M-ND	Ultra-Low Power Quad Comparator	14-SOIC	.99	.73	.53
LP339MXCT-ND	Ultra-Low Power Quad Comparator	14-SOIC	.98	.72	.52
LP339MXTR-ND	Ultra-Low Power Quad Comparator	14-SOIC		841.50/2,500	
LP339NNS-ND	Ultra-Low Power Quad Comparator	14-Dip	1.15	.85	.62
LP395Z-ND	Ultra Reliable Power Transistor	TO-92	1.55	1.15	.85
LP2902M-ND	Micropower Quad Operational Amplifier	14-SOIC	1.66	1.22	.89
LP2902MXCT-ND	Micropower Quad Operational Amplifier	14-SOIC	1.65	1.21	.88
LP2902MXTR-ND	Micropower Quad Operational Amplifier	14-SOIC		1408.88/2,500	
LP2902N-ND	Micropower Quad Operational Amplifier	14-Dip	1.84	1.35	.98
LP2950ACZ-3.0-ND	3V, Series Adjustable Micropower Voltage Regulator	TO-92	1.05	.78	.57
LP2950ACZ-3.3-ND	3.3V, Series Adjustable Micropower Voltage Regulator	TO-92	1.05	.78	.57
LP2950CZ-5.0NS-ND	5V, Micropower Voltage Regulator	TO-92	1.05	.78	.57
LP2950CDT-3.3-ND	3.3V, Micropower Voltage Regulator	TO-252	1.34	.99	.72
LP2950CDT-5.0NS-ND	Adjustable Micropower Voltage Regulator	D-Pak	1.34	.99	.72

• *RoHS Compliant*

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LP2950CZ-3.0-ND	3V, Series Adjustable Micropower Voltage Regulator	TO-92	1.04	.75	.55
LP2950CZ-3.3-ND	3.3V, Adj. Micropower Voltage Regulator	TO-92	1.04	.75	.55
LP2950CZ-5.0NS-ND	5V, Micropower Voltage Regulator	TO-92	1.04	.75	.55
LP2951ACM-ND	1.24-29V, Adjustable Voltage Regulator	8-SOIC	1.02	.75	.55
LP2951ACMXCT-ND	1.24-29V, Adjustable Voltage Regulator	8-SOIC	1.02	.75	.55
LP2951ACMXTR-ND	1.24-29V, Adjustable Voltage Regulator	8-SOIC		867.00/2,500	
LP2951ACM-3.0-ND	3V, Series Adj. Micropower Voltage Regulator	8-SOIC	1.02	.75	.55
LP2951ACM-3.3-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-SOIC	1.02	.75	.55
LP2951ACMM-3.0CT-ND	3V, Series Adj. Micropower Voltage Regulator	8-MSOP	1.13	.84	.61
LP2951ACMM-3.0TR-ND	3V, Series Adj. Micropower Voltage Regulator	8-MSOP		392.60/1,000	
LP2951ACMM-3.3CT-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-MSOP	1.13	.84	.61
LP2951ACMM-3.3TR-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-MSOP		392.60/1,000	
LP2951ACMMCT-ND	Series Adj. Micropower Voltage Regulator	8-MSOP	1.13	.84	.61
LP2951ACMMTR-ND	Series Adj. Micropower Voltage Regulator	8-MSOP		392.60/1,000	
LP2951ACN-ND	1.24-29V, Adjustable Micropower Voltage Regulator	8-Dip	1.56	1.15	.84
LP2951ACN-3.3-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-Dip	1.56	1.15	.84
LP2951CM-ND	1.24-29V, Adjustable Micropower Voltage Regulator	8-SOIC	1.04	.75	.55
LP2951CMXCT-ND	1.24-29V, Adjustable Micropower Voltage Regulator	8-SOIC	1.04	.75	.55
LP2951CMXTR-ND	1.24-29V, Adjustable Micropower Voltage Reg.	8-SOIC		764.75/2,500	
LP2951CM-3.0-ND	3V, Series Adj. Micropower Voltage Regulator	8-SOIC	1.04	.75	.55
LP2951CM-3.3-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-SOIC	1.04	.75	.55
LP2951CMM-3.0CT-ND	3V, Series Adj. Micropower Voltage Regulator	8-MSOP	.97	.72	.52
LP2951CMM-3.0TR-ND	3V, Series Adj. Micropower Voltage Regulator	8-MSOP		336.70/1,000	
LP2951CMM-3.3DT-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-MSOP	.97	.72	.52
LP2951CMM-3.3TR-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-MSOP		336.70/1,000	
LP2951CMMCT-ND	Series Adj. Micropower Voltage Regulator	8-MSOP	.97	.72	.52
LP2951CMMTR-ND	Series Adj. Micropower Voltage Regulator	8-MSOP		336.70/1,000	
LP2951CN-ND	Adjustable Micropower Voltage Regulator	8-Dip	1.56	1.15	.84
LP2951CN-3.0-ND	3V, Series Adj. Micropower Voltage Regulator	8-Dip	1.56	1.15	.84
LP2951CN-3.3-ND	3.3V, Series Adj. Micropower Voltage Regulator	8-Dip	1.56	1.15	.84
LP2952AIM-3.3-ND	3.3V, Adj. LDO Voltage Regulator	16-SOIC	3.80	2.89	2.21
LP2952AIMM-ND	Adj. LDO Voltage Regulator	16-SOIC	3.80	2.89	2.21
LP2952AIMM-3.3-ND	3.3V, Adj. LDO Voltage Regulator	14-Dip	3.80	2.89	2.21
LP2952IM-ND	250mA Low Power Adjustable Voltage Regulator	16-SOIC	2.48	1.84	1.36
LP2952IM-3.3-ND	3.3V, Adj. LDO Voltage Regulator	16-SOIC	2.48	1.84	1.36
LP2952IN-3.3-ND	3.3V, Adj. LDO Voltage Regulator	14-Dip	2.48	1.84	1.36
LP2953AIM-ND	250mA Low Power Adj. Voltage Reg. (Elect. Improved)	16-SOIC	4.58	3.48	2.66
LP2953IM-ND	250mA Low Power Adjustable Voltage Regulator	16-SOIC	2.53	1.92	1.47
LP2953IN-ND	250mA Low Power Adjustable Voltage Regulator	16-Dip	2.53	1.92	1.47
LP2954AIS-ND	Adj. Micropower LDO Voltage Regulator	14-Dip	5.05	3.84	2.93
LP2954AIT-ND	5.0V, Micropower Low Dropout Voltage Regulator	TO-220	5.05	3.84	2.93
LP2954IS-ND	5A Micropower LDO Voltage Regulator	TO-263	2.68	2.04	1.56
LP2954IT-ND	5.0V, Low Power Voltage Regulator	TO-220	2.68	2.04	1.56
LP2956AIM-ND	Dual Micropower LDO Voltage Regulator	16-SOIC	4.68	3.56	2.72
LP2956AIN-ND	Dual Micropower LDO Voltage Regulator	16-Dip	4.68	3.56	2.72
LP2956IM-ND	Dual Micropower LDO Voltage Regulator	16-SOIC	3.45	2.63	2.01
LP2957AIS-ND	5.0V, LDO Regulator for Microprower Application	TO-263-5	4.25	3.23	2.47
LP2957AIT-ND	5.0V, LDO Regulator for Microprower Application	TO-220-5	4.25	3.23	2.47
LP2957IS-ND	5.0V, LDO Regulator for Microprower Application	TO-263-5	3.28	2.49	1.90
LP2960IM-3.3-ND	3.3V, .5A Micropower LDO Regulator	16-SOIC	2.50	1.90	1.45
LP2960IM-5.0-ND	5.0V, .5A Micropower LDO Regulator, 160ppm	16-SOIC	2.50	1.90	1.45
LP2966IMM-1818CT-ND	Dual 150mA Ultra LDO Regulator, 1.8V/1.8V	8-MSOP	2.33	1.73	1.28
LP2966IMM-1818TR-ND	Dual 150mA Ultra LDO Regulator, 1.8V/1.8V	8-MSOP		961.28/1,000	
LP2966IMM-1828CT-ND	Dual 150mA Ultra LDO Regulator, 1.8V/2.8V	8-MSOP	2.33	1.73	1.28
LP2966IMM-1828TR-ND	Dual 150mA Ultra LDO Regulator, 1.8V/2.8V	8-MSOP		961.28/1,000	
LP2966IMM-1833DCT-ND	Dual 150mA Ultra LDO Regulator, 1.8V/3V	8-MSOP	2.33	1.73	1.28
LP2966IMM-1833DTR-ND	Dual 150mA Ultra LDO Regulator, 1.8V/3V	8-MSOP		961.28/1,000	
LP2966IMM-1833CT-ND	Dual 150mA Ultra LDO Regulator, 1.8V/3.3V	8-MSOP	2.33	1.73	1.28
LP2966IMM-1833TR-ND	Dual 150mA Ultra LDO Regulator, 1.8V/3.3V	8-MSOP		961.28/1,000	
LP2966IMM-2518CT-ND	Dual 150mA Ultra LDO Regulator, 2.5V/1.8V	8-SOIC	2.33	1.73	1.28
LP2966IMM-2518TR-ND	Dual 150mA Ultra LDO Regulator, 2.5V/1.8V	8-SOIC		961.28/1,000	
LP2966IMM-2525CT-ND	Dual 150mA Ultra LDO Regulator, 2.5V/2.5V	8-MSOP	2.33	1.73	1.28
LP2966IMM-2525TR-ND	Dual 150mA Ultra LDO Regulator, 2.5V/2.5V	8-MSOP		961.28/1,000	
LP2966IMM-2828CT-ND	Dual 150mA Ultra LDO Regulator, 2.8V/2.8V	8-MSOP	2.33	1.73	1.28
LP2966IMM-2828TR-ND	Dual 150mA Ultra LDO Regulator, 2.8V/2.8V	8-MSOP		961.28/1,000	
LP2966IMM-2830CT-ND	Dual 150mA Ultra LDO Regulator, 2.8V/3V	8-MSOP	2.33	1.73	1.28
LP2966IMM-2830TR-ND	Dual 150mA Ultra LDO Regulator, 2.8V/3V	8-MSOP		961.28/1,000	
LP2966IMM-3030CT-ND	Dual 150mA Ultra LDO Regulator, 3V/3V	8-MSOP	2.33	1.73	1.28
LP2966IMM-3030TR-ND	Dual 150mA Ultra LDO Regulator, 3V/3V	8-MSOP		961.28/1,000	
LP2966IMM-3325CT-ND	Dual 150mA Ultra LDO Regulator, 3.3V/2.5V	8-MSOP	2.33	1.73	1.28
LP2966IMM-3325TR-ND	Dual 150mA Ultra LDO Regulator, 3.3V/2.5V	8-MSOP		961.28/1,000	
LP2966IMM-3333CT-ND	Dual 150mA Ultra LDO Regulator, 3.3V/3.3V	8-MSOP	2.33	1.73	1.28
LP2966IMM-3333TR-ND	Dual 150mA Ultra LDO Regulator, 3.3V/3.3V	8-MSOP		961.28/1,000	
LP2966IMM-3336CT-ND	Dual 150mA Ultra LDO Regulator, 3.3V/3.6V	8-MSOP	2.33	1.73	1.28
LP2966IMM-3336TR-ND	Dual 150mA Ultra LDO Regulator, 3.3V/3.6V	8-MSOP		961.28/1,000	
LP2966IMM-3636CT-ND	Dual 150mA Ultra LDO Regulator, 3.6V/3.6V	8-MSOP	2.33	1.73	1.28
LP2966IMM-3636TR-ND	Dual 150mA Ultra LDO Regulator, 3.6V/3.6V	8-MSOP		961.28/1,000	
LP2966IMM-5050CT-ND	Dual 150mA Ultra LDO Regulator, 5V/5V	8-MSOP	2.33	1.73	1.28
LP2966IMM-5050TR-ND	Dual 150mA Ultra LDO Regulator, 5V/5V	8-MSOP		961.28/1,000	
LP2967IBP-1825CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967IBP-1825TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967IBP-1833CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967IBP-1833TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967IBP-2533CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967IBP-2533TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967IBP-2833CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967IBP-2833TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967IMM-2528CT-ND	Dual Micropower 150mA LDO Regulator	8-MSOP	2.98	2.21	1.64
LP2967IMM-2528TR-ND	Dual Micropower 150mA LDO Regulator	8-MSOP		1228.80/1,000	
LP2967IMM-2533CT-ND	Dual Micropower 150mA LDO Regulator	8-MSOP	2.98	2.21	1.64
LP2967IMM-2533TR-ND	Dual Micropower 150mA LDO Regulator	8-MSOP		1228.80/1,000	
LP2967IMM-2828CT-ND	Dual Micropower 150mA LDO Regulator	8-MSOP	2.98	2.21	1.64
LP2967IMM-2828TR-ND	Dual Micropower 150mA LDO Regulator	8-MSOP		1228.80/1,000	
LP2967IMM-2833CT-ND	Dual Micropower 150mA LDO Regulator	8-MSOP	2.98	2.21	1.64
LP2967IMM-2833TR-ND	Dual Micropower 150mA LDO Regulator	8-MSOP		1228.80/1,000	
LP2967ITP-1825CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967ITP-1825TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967ITP-1833CT-ND	Dual Micropower 150mA LDO Regulator	8-microSMD	3.10	2.36	1.80
LP2967ITP-1833TR-ND	Dual Micropower 150mA LDO Regulator	8-microSMD		412.30/250	
LP2967ITP-2830CT-ND	Dual Micropower 150mA LDO Regulator* **NEW!**	8-microSMD	3.10	2.36	1.80
LP2967ITP-2830TR-ND	Dual Micropower 150mA LDO Regulator* **NEW!**	8-microSMD		412.30/250	
LP2967ITP-2833CT-ND	Dual Micropower 150mA LDO Regulator*	8-microSMD	3.10	2.36	1.80
LP2967ITP-2833TR-ND	Dual Micropower 150mA LDO Regulator*	8-microSMD		412.30/250	
LP2975AIMM-12CT-ND	12V, MOSFET LDO Driver/Controller	8-MSOP	2.20	1.64	1.21
LP2975AIMM-12TR-ND	12V, MOSFET LDO Driver/Controller	8-MSOP		908.80/1,000	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
LP2975AIMM-3.3CT-ND	3.3V, MOSFET LDO Driver/Controller	8-MSOP	2.20	1.64	1.21
LP2975AIMM-5.3TR-ND	3.3V, MOSFET LDO Driver/Controller	8-MSOP		908.80/1,000	
LP2975AIMM-5.0CT-ND	5V, MOSFET LDO Driver/Controller	8-MSOP	2.20	1.64	1.21
LP2975AIMM-5.0TR-ND	5V, MOSFET LDO Driver/Controller	8-MSOP		908.80/1,000	
LP2975IMM-12CT-ND	12V, MOSFET LDO Driver/Controller	8-MSOP	1.98	1.48	1.09
LP2975IMM-12TR-ND	12V, MOSFET LDO Driver/Controller	8-MSOP		819.20/1,000	
LP2975IMM-3.3CT-ND	3.3V, MOSFET LDO Driver/Controller	8-MSOP	1.98	1.48	1.09
LP2975IMM-3.3TR-ND	3.3V, MOSFET LDO Driver/Controller	8-MSOP		819.20/1,000	
LP2975IMM-5.0CT-ND	5V, MOSFET LDO Driver/Controller	8-MSOP	1.98	1.48	1.09
LP2975IMM-5.0TR-ND	5V, MOSFET LDO Driver/Controller	8-MSOP		819.20/1,000	
LP2980AIBP-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD	1.09	.79	.57
LP2980AIBP-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD		102.85/250	
LP2980AIBP-5.0CT-ND	5V, Micropower 50mA Ultra LDO Regulator	5-microSMD	1.09	.79	.57
LP2980AIBP-5.0TR-ND	5V, Micropower 50mA Ultra LDO Regulator	5-microSMD		102.85/250	
LP2980AIM5-1.8CT-ND	1.8V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-1.8TR-ND	1.8V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AIM5-2.5CT-ND	2.5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-2.5TR-ND	2.5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AIM5-3.0CT-ND	3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-3.0TR-ND	3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AIM5-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AIM5-4.0CT-ND	4V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-4.0TR-ND	4V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AIM5-5.0CT-ND	5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	.84	.61	.44
LP2980AIM5-5.0TR-ND	5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		261.80/1,000	
LP2980AITP-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD	1.09	.79	.57
LP2980AITP-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD		102.85/250	
LP2980IBP-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD	1.09	.79	.57
LP2980IBP-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD		102.85/250	
LP2980IBP-5.0CT-ND	5V, Micropower 50mA Ultra LDO Regulator	5-microSMD	1.09	.79	.57
LP2980IBP-5.0TR-ND	5V, Micropower 50mA Ultra LDO Regulator	5-microSMD		102.85/250	
LP2980IBPX-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator	5-microSMD		965.58/3,000	
LP2980IM5-ADJCT-ND	Adj., Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-ADJTR-ND	Adj., Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2980IM5-1.8CT-ND	1.8V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-1.8TR-ND	1.8V, Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2980IM5-2.5CT-ND	2.5V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-2.5TR-ND	2.5V, Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2980IM5-3.0CT-ND	3V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-3.0TR-ND	3V, Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2980IM5-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2980IM5-5.0CT-ND	5V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	.84	.61	.44
LP2980IM5-5.0TR-ND	5V, Micropower 50mA Ultra LDO Regulator	SOT-23-5		261.80/1,000	
LP2981AIBP-2.5CT-ND	2.5V, Micropower 100mA Ultra LDO Reg., A Grade	5-microSMD	1.13	.86	.60
LP2981AIBP-2.5TR-ND	2.5V, Micropower 100mA Ultra LDO Reg., A Grade	5-microSMD		112.50/250	
LP2981AIBP-3.3CT-ND	3.3V, Micropower 100mA Ultra LDO Reg., A Grade	5-microSMD	1.13	.86	.60
LP2981AIBP-3.3TR-ND	3.3V, Micropower 100mA Ultra LDO Reg., A Grade	5-microSMD		112.50/250	
LP2981AIM5-2.5CT-ND	2.5V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-2.5TR-ND	2.5V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-2.7CT-ND	2.7V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-2.7TR-ND	2.7V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-2.8CT-ND	2.8V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-2.8TR-ND	2.8V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-2.9CT-ND	2.9V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-2.9TR-ND	2.9V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.0CT-ND	3V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.0TR-ND	3V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.1CT-ND	3.1V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.1TR-ND	3.1V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.2CT-ND	3.2V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.2TR-ND	3.2V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.3CT-ND	3.3V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.3TR-ND	3.3V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.6CT-ND	3.6V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.6TR-ND	3.6V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-3.8CT-ND	3.8V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-3.8TR-ND	3.8V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-4.0CT-ND	4V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-4.0TR-ND	4V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-4.7CT-ND	4.7V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-4.7TR-ND	4.7V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981AIM5-5.0CT-ND	5V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5	1.13	.83	.60
LP2981AIM5-5.0TR-ND	5V, Micropower 100mA Ultra LDO Reg., A Grade	SOT-23-5		390.00/1,000	
LP2981IM5-2.5CT-ND	2.5V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-2.5TR-ND	2.5V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-2.7CT-ND	2.7V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-2.7TR-ND	2.7V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-2.8CT-ND	2.8V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-2.8TR-ND	2.8V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-3.0CT-ND	3V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-3.0TR-ND	3V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-3.1CT-ND	3.1V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-3.1TR-ND	3.1V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-3.6CT-ND	3.6V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-3.6TR-ND	3.6V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-3.8CT-ND	3.8V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-3.8TR-ND	3.8V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-4.0CT-ND	4V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-4.0TR-ND	4V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-4.7CT-ND	4.7V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-4.7TR-ND	4.7V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2981IM5-5.0CT-ND	5V, Micropower 100mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58
LP2981IM5-5.0TR-ND	5V, Micropower 100mA Ultra LDO Regulator	SOT-23-5		377.00/1,000	
LP2982AIM5-2.5CT-ND	2.5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	1.13	.83	.60
LP2982AIM5-2.5TR-ND	2.5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		390.00/1,000	
LP2982AIM5-3.0CT-ND	3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	1.13	.83	.60
LP2982AIM5-3.0TR-ND	3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		390.00/1,000	
LP2982AIM5-3.3CT-ND	3.3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	1.13	.83	.60
LP2982AIM5-3.3TR-ND	3.3V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		390.00/1,000	
LP2982AIM5-5.0CT-ND	5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5	1.13	.83	.60
LP2982AIM5-5.0TR-ND	5V, Micropower 50mA Ultra LDO Regulator, A Grade	SOT-23-5		390.00/1,000	
LP2982IM5-2.5CT-ND	2.5V, Micropower 50mA Ultra LDO Regulator	SOT-23-5	1.09	.80	.58

* RoHS Compliant

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SHARP MICROELECTRONICS — CHOPPER REGULATORS

Sharp Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
PQ1CG21H2RZ-	425-1762-5-ND	Adj., 1.5A, Chopper Regulator with ON/OFF Control	TO-220	1.92	1.60	1.12
PQ1CG38M2FZ-	425-1765-5-ND	Adj., 0.8A, Chopper Regulator with ON/OFF Control	TO-220	1.65	1.38	.97
PQ1CG38M2RZ	425-1766-5-ND	Adj., 0.8A, Chopper Regulator with ON/OFF Control	TO-220	1.65	1.38	.97
PQ1CG3032FZ	425-1763-5-ND	Adj., 3.5A, Chopper Regulator with ON/OFF Control	TO-220	2.28	1.90	1.33
PQ1CG3032RZ	425-1764-5-ND	Adj., 3.5A, Chopper Regulator with ON/OFF Control	TO-220	2.28	1.90	1.33
PQ1CY1032ZZ	425-1767-5-ND	Adj., 3.5A, Chopper Regulator with ON/OFF Control	TO-263	2.52	2.10	1.47
PQ1CZ21H2ZZ	425-1768-5-ND	Adj., 1.5A, Chopper Regulator with ON/OFF Control	SC-63	2.43	2.03	1.42
PQ1CZ38M2ZZ	425-1769-5-ND	Adj., 0.8A, Chopper Regulator with ON/OFF Control	SC-63	1.72	1.35	.98
PQ2CF1	425-1770-5-ND	Adj., 2.5A, Chopper Regulator	TO-220	3.58	2.38	1.94

National Semiconductor — UARTs

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
PC16550DN-ND	UART	40-Dip	6.62	5.23	4.19
PC16550DV-ND	UART	44-PLCC	6.66	5.27	4.22
PC16552DV-ND	Dual UART	44-PLCC	8.51	6.73	5.39
PC16552DVXTR-ND	Dual UART	44-PLCC		2531.25/500	

National Semiconductor — A/D AND D/A CONVERTERS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
A/D Converters					
ADC08L060CIMT-ND	8-Bit, 60 MSPS, A/D Converter	24-TSSOP	5.99	4.74	3.80
ADC10D020CIVS-ND	Dual 10-Bit, 20MSPS, 150mW A/D Converter	48-TQFP	9.47	7.49	6.00
ADC10D040CIVS-ND	Dual 10-Bit, 40MSPS, 267mW A/D Converter	48-TQFP	10.82	9.27	8.22
ADC11D066CIVS-ND	Dual 11-Bit, 66MSPS, 450MHz Bandwidth ADC	64-TQFP	25.65	23.94	22.23
ADC11L066CIVY-ND	Dual 11-Bit, 66MSPS, 450MHz Bandwidth ADC*	32-LQFP	24.30	22.68	21.06
ADC12D040CIVS-ND	Dual 12-Bit, 40MSPS, A/D Converter	64-TQFP	18.60	17.36	16.12
ADC12D040CIVS-ND	Dual 12-Bit, 40MSPS, 3V-A/D Converter	64-TQFP	21.45	20.36	18.59
ADC12D065CIVS-ND	Dual 12-Bit, 65MSPS, 3.3V 360mW ADC	64-TQFP	24.30	22.68	21.06
ADC12D066CIVS-ND	Dual 12-Bit, 66MSPS, 450MHz Input Bandwidth ADC	64-TQFP	27.15	25.34	23.53
ADC12H030CIWM-ND	12-Bit, A/D Converter, Configurable	16-SOIC	6.78	5.37	4.30
ADC12H038CIWM-ND	12-Bit, A/D Converter, 8-Channel	28-SOIC	6.97	5.52	4.42
ADC12L030CIWM-ND	3.3V, 12-Bit Serial I/O A/D Converter	16-SOIC	6.43	5.08	4.07
ADC12L038CIWM-ND	12-Bit, A/D Converter, 8-Channel	24-SOIC	6.62	5.23	4.19
ADC12L063CIVY-ND	12-Bit, 62MSPS, 354mW A/D Converter with Internal Sample and Hold	32-LQFP	22.95	21.42	19.89
ADC12L066CIVY-ND	12-Bit, 66MSPS, 450 Bandwidth A/D Converter with Internal Sample and Hold	32-LQFP	24.45	22.82	21.19
ADC12L080CIVY-ND	12-Bit, 80MSPS, 450MHz Bandwidth A/D Converter	32-LQFP	24.90	23.24	21.58
ADC14L020CIVY-ND	14-Bit, 20MSPS, 150mW A/D Converter*	32-LQFP	17.10	15.96	14.82
ADC14L040CIVY-ND	14-Bit, 40MSPS, 235mW A/D Converter*	32-LQFP	21.75	20.30	18.85
ADC78H89CIMT-ND	12-Bit, 7-Ch., 500KSPS, A/D Converter	16-TSSOP	4.53	3.44	2.63
ADC78H90CIMT-ND	12-Bit, 8-Ch., 500KSPS, A/D Converter	16-TSSOP	5.40	4.27	3.42
ADC081S021CIMFCT-ND	1-Channel, 200KSPS, 8-Bit A/D Converter	SOT-23-6	2.28	1.70	1.26
ADC081S021CIMFTR-ND	1-Channel, 200KSPS, 8-Bit A/D Converter	SOT-23-6		943.36/1,000	
ADC081S021CISDCT-ND	1-Channel, 200KSPS, 8-Bit A/D Converter*	6-LLP	2.29	1.70	1.26
ADC081S021CISDTR-ND	1-Channel, 200KSPS, 8-Bit A/D Converter*	6-LLP		947.20/1,000	
ADC081S051CIMFCT-ND	1-Channel, 500KSPS, 8-Bit A/D Converter*	SOT-23-6	2.82	2.10	1.55
ADC081S051CIMFTR-ND	1-Channel, 500KSPS, 8-Bit A/D Converter	SOT-23-6		1164.80/1,000	
ADC081S051CISDCT-ND	1-Channel, 500KSPS, 8-Bit A/D Converter*	6-LLP	2.82	2.10	1.55
ADC081S051CISDTR-ND	1-Channel, 500KSPS, 8-Bit A/D Converter*	6-LLP		1164.80/1,000	
ADC081S101CIMFCT-ND	8-Bit, 1MSPS A/D Converter	SOT-23-6	2.75	2.09	1.60
ADC081S101CIMFTR-ND	8-Bit, 1MSPS A/D Converter	SOT-23-6		1386.00/1,000	
ADC081S101CISDCT-ND	8-Bit, 1MSPS A/D Converter	6-LLP	2.75	2.09	1.60
ADC081S101CISDTR-ND	8-Bit, 1MSPS A/D Converter	6-LLP		1386.00/1,000	
ADC082S021CIMMCT-ND	2-Channel, 200KSPS, 8-Bit A/D Converter*	8-MSOP	2.57	1.91	1.42
ADC082S021CIMMTR-ND	2-Channel, 200KSPS, 8-Bit A/D Converter*	8-MSOP		1062.40/1,000	
ADC082S051CIMMCT-ND	2-Channel, 500KSPS, 8-Bit A/D Converter*	8-MSOP	2.78	2.11	1.61
ADC082S051CIMMTR-ND	2-Channel, 500KSPS, 8-Bit A/D Converter*	8-MSOP		1398.60/1,000	
ADC082S101CIMMCT-ND	2-Channel, 1MSPS, 8-Bit A/D Converter*	8-MSOP	3.45	2.63	2.01
ADC082S101CIMMTR-ND	2-Channel, 1MSPS, 8-Bit A/D Converter*	8-MSOP		1738.80/1,000	
ADC084S021CIMMCT-ND	4-Channel, 200KSPS, 8-Bit A/D Converter*	10-MSOP	2.95	2.19	1.62
ADC084S021CIMMTR-ND	4-Channel, 200KSPS, 8-Bit A/D Converter*	10-MSOP		1216.00/1,000	
ADC084S051CIMMCT-ND	4-Channel, 500KSPS, 8-Bit A/D Converter*	10-MSOP	3.15	2.40	1.83
ADC084S051CIMMTR-ND	4-Channel, 500KSPS, 8-Bit A/D Converter*	10-MSOP		1587.60/1,000	
ADC084S101CIMMCT-ND	4-Channel, 1MSPS, 8-Bit A/D Converter*	10-MSOP	3.95	3.01	2.30
ADC084S101CIMMTR-ND	4-Channel, 1MSPS, 8-Bit A/D Converter*	10-MSOP		1990.80/1,000	
ADC088S022CIMT-ND	8-Channel, 50KSPS to 200KSPS, 8-Bit ADC	16-TSSOP	3.13	2.38	1.82
ADC088S052CIMT-ND	8-Channel, 200KSPS to 500KSPS, 8-Bit ADC	16-TSSOP	3.85	2.93	2.24
ADC088S102CIMT-ND	8-Channel, 500KSPS to 1MSPS, 8-Bit ADC	16-TSSOP	4.75	3.61	2.76
ADC101S021CIMFCT-ND	1-Channel, 200KSPS, 10-Bit A/D Converter	SOT-23-6	2.76	2.05	1.52
ADC101S021CIMFTR-ND	1-Channel, 200KSPS, 10-Bit A/D Converter	SOT-23-6		1139.20/1,000	
ADC101S021CISDCT-ND	1-Channel, 200KSPS, 10-Bit A/D Converter* **NEW!**	6-LLP	2.76	2.05	1.52
ADC101S021CISDTR-ND	1-Channel, 200KSPS, 10-Bit A/D Converter* **NEW!**	6-LLP		1139.20/1,000	
ADC101S051CIMFCT-ND	1-Channel, 500KSPS, 10-Bit A/D Converter	SOT-23-6	2.80	2.13	1.63
ADC101S051CIMFTR-ND	1-Channel, 500KSPS, 10-Bit A/D Converter	SOT-23-6		1411.20/1,000	
ADC101S051CISDCT-ND	1-Channel, 500KSPS, 10-Bit A/D Converter* **NEW!**	6-LLP	2.80	2.13	1.63
ADC101S051CISDTR-ND	1-Channel, 500KSPS, 10-Bit A/D Converter* **NEW!**	6-LLP		1411.20/1,000	
ADC101S101CIMFCT-ND	10-Bit, 1MSPS, A/D Converter	SOT-23-6	3.38	2.57	1.96
ADC101S101CIMFTR-ND	10-Bit, 1MSPS, A/D Converter	SOT-23-6		1701.00/1,000	
ADC101S101CISDCT-ND	10-Bit, 1MSPS, A/D Converter* **NEW!**	6-LLP	3.38	2.57	1.96
ADC101S101CISDTR-ND	10-Bit, 1MSPS, A/D Converter* **NEW!**	6-LLP		1701.00/1,000	
ADC102S021CIMMCT-ND	10-Bit, 200KSPS, 2-Channel A/D Converter	8-MSOP	2.95	2.25	1.72
ADC102S021CIMMTR-ND	10-Bit, 200KSPS, 2-Channel A/D Converter	8-MSOP		1486.80/1,000	
ADC102S051CIMMCT-ND	10-Bit, 500KSPS, 2-Channel A/D Converter	8-MSOP	3.80	2.89	2.21
ADC102S051CIMMTR-ND	10-Bit, 500KSPS, 2-Channel A/D Converter	8-MSOP		1915.20/1,000	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADC102S101CIMMCT-ND	10-Bit, 1MSPS, 2-Channel A/D Converter	8-MSOP	4.80	3.65	2.79
ADC102S101CIMMTR-ND	10-Bit, 1MSPS, 2-Channel A/D Converter	8-MSOP		2419.20/1,000	
ADC104S021CIMMCT-ND	10-Bit, 200KSPS, 4-Channel A/D Converter	10-MSOP	3.35	2.55	1.95
ADC104S021CIMMTR-ND	10-Bit, 200KSPS, 4-Channel A/D Converter	10-MSOP		1688.40/1,000	
ADC104S051CIMMCT-ND	10-Bit, 500KSPS, 4-Channel A/D Converter	10-MSOP	4.30	3.27	2.50
ADC104S051CIMMTR-ND	10-Bit, 500KSPS, 4-Channel A/D Converter	10-MSOP		2167.20/1,000	
ADC104S101CIMMCT-ND	10-Bit, 1MSPS, 4-Channel A/D Converter	10-MSOP	5.43	4.13	3.15
ADC104S101CIMMTR-ND	10-Bit, 1MSPS, 4-Channel A/D Converter	10-MSOP		2734.20/1,000	
ADC108S022CIMT-ND	8-Channel, 50KSPS to 200KSPS, 10-Bit ADC	16-TSSOP	4.18	3.18	2.43
ADC108S052CIMT-ND	8-Channel, 200KSPS to 500KSPS, 10-Bit ADC	16-TSSOP	5.18	3.94	3.01
ADC108S102CIMT-ND	8-Channel, 500KSPS to 1MSPS, 10-Bit ADC	16-TSSOP	5.38	4.25	3.41
ADC121S021CIMFCT-ND	1-Channel, 200KSPS, 12-Bit A/D Converter	SOT-23-6	2.78	2.11	1.61
ADC121S021CIMFTR-ND	1-Channel, 200KSPS, 12-Bit A/D Converter	SOT-23-6		1398.60/1,000	
ADC121S021CISDCT-ND	1-Channel, 200KSPS, 12-Bit A/D Converter* **NEW!**	6-LLP	2.78	2.11	1.61
ADC121S021CISDTR-ND	1-Channel, 200KSPS, 12-Bit A/D Converter* **NEW!**	6-LLP		1398.60/1,000	
ADC121S051CIMFCT-ND	1-Channel, 500KSPS, 12-Bit A/D Converter	SOT-23-6	3.60	2.74	2.09
ADC121S051CIMFTR-ND	1-Channel, 500KSPS, 12-Bit A/D Converter	SOT-23-6		1814.40/1,000	
ADC121S051CISDCT-ND	1-Channel, 500KSPS, 12-Bit A/D Converter* **NEW!**	6-LLP	3.60	2.74	2.09
ADC121S051CISDTR-ND	1-Channel, 500KSPS, 12-Bit A/D Converter* **NEW!**	6-LLP		1814.40/1,000	
ADC121S101CIMFCT-ND	12-Bit, 1MSPS, 12-Bit A/D Converter	SOT-23-6	4.40	3.35	2.56
ADC121S101CIMFTR-ND	12-Bit, 1MSPS, 12-Bit A/D Converter	SOT-23-6		2217.60/1,000	
ADC121S101CISDCT-ND	12-Bit, 1MSPS, 12-Bit A/D Converter* **NEW!**	6-LLP	4.40	3.35	2.56
ADC121S101CISDTR-ND	12-Bit, 1MSPS, 12-Bit A/D Converter* **NEW!**	6-LLP		2217.60/1,000	
ADC121S625CIMMCT-ND	12-Bit, 50KSPS to 200KSPS A/D Converter*	8-MSOP	4.03	3.06	2.34
ADC121S625CIMMTR-ND	12-Bit, 50KSPS to 200KSPS A/D Converter*	8-MSOP		2028.60/1,000	
ADC122S021CIMMCT-ND	12-Bit, 200KSPS, 2-Channel A/D Converter	8-MSOP	3.70	2.82	2.15
ADC122S021CIMMTR-ND	12-Bit, 200KSPS, 2-Channel A/D Converter	8-MSOP		1864.80/1,000	
ADC122S051CIMMCT-ND	12-Bit, 500KSPS, 2-Channel A/D Converter	8-MSOP	4.75	3.61	2.76
ADC122S101CIMMCT-ND	12-Bit, 1MSPS, 2-Channel A/D Converter	8-MSOP	5.80	4.41	3.37
ADC122S101CIMMTR-ND	12-Bit, 1MSPS, 2-Channel A/D Converter	8-MSOP		2923.20/1,000	
ADC124S021CIMMCT-ND	12-Bit, 200KSPS, 4-Channel A/D Converter	10-MSOP	4.28	3.25	2.48
ADC124S021CIMMTR-ND	12-Bit, 200KSPS, 4-Channel A/D Converter	10-MSOP		2154.80/1,000	
ADC124S051CIMMCT-ND	12-Bit, 500KSPS, 4-Channel A/D Converter	10-MSOP	5.40	4.11	3.14
ADC124S051CIMMTR-ND	12-Bit, 500KSPS, 4-Channel A/D Converter	10-MSOP		2721.60/1,000	
ADC124S101CIMMCT-ND	12-Bit, 1MSPS, 4-Channel A/D Converter	10-MSOP	5.50	4.35	3.49
ADC124S101CIMMTR-ND	12-Bit, 1MSPS, 4-Channel A/D Converter	10-MSOP		3248.80/1,000	
ADC128S022CIMT-ND	8-Channel, 50KSPS to 200KSPS, 12-Bit ADC	16-TSSOP	4.98	3.79	2.89
ADC128S052CIMT-ND	8-Channel, 200KSPS to 500KSPS, 12-Bit ADC	16-TSSOP	6.18	4.70	3.59
ADC128S102CIMT-ND	8-Channel, 500KSPS to 1MSPS, 12-Bit ADC	16-TSSOP	6.34	5.02	4.02
ADC0801LCN-ND	8-Bit, µP Compatible A/D Converters, 1/4 LSB	20-Dip	9.61	8.24	7.31
ADC0802LCN-ND	8-Bit, µP Compatible A/D Converters, 1/2 LSB	20-Dip	6.24	4.94	3.96
ADC0802LCWM-ND	8-Bit, Compatible A/D Converter, 1/2 LSB	20-SOIC	6.09	4.82	3.86
ADC0803LCN-ND	8-Bit, A/D Converter, 1/2 LSB	20-Dip	4.35	3.31	2.53
ADC0804LCN-ND	8-Bit, A/D Converter, 1 LSB	20-Dip	3.05	2.32	1.77
ADC0804LCWM-ND	8-Bit, A/D Converter, 1 LSB	20-SOIC	2.50	1.90	1.45
ADC0805LCN-ND	8-Bit, A/D Converter, 1 LSB	20-Dip	4.90	3.78	2.85
ADC0808CCN-ND	8-Bit, µP Compatible A/D with 8-Ch. Mux., 1/2 LSB	28-Dip	5.40	4.27	3.42
ADC0808CCV-ND	8-Bit, A/D Converter with 8-Channel Multiplexer, 1/2 LSB	28-PLCC	5.93	4.51	3.44
ADC0809CCN-ND	8-Bit, A/D Converter with 8-Channel Multiplexer, 1 LSB	28-Dip	4.20	3.20	2.44
ADC0809CCV-ND	8-Bit, A/D Converter with 8-Channel Multiplexer, 1 LSB	28-PLCC	6.05	4.60	3.51
ADC0816CCN-ND	8-Bit, A/D Converter with 16-Channel Multiplexer, 1/2 LSB	40-Dip	13.00	11.15	9.89
ADC0817CCN-ND	8-Bit, A/D Converter with 16-Channel Multiplexer, 1/2 LSB	40-Dip	9.11	7.21	5.78
ADC08208CWM-ND	8-Bit, A/D Converter, 1/2 LSB	20-SOIC	5.85	4.45	3.40
ADC08208CCN-ND	8-Bit, High Speed MPU Compatible A/D Converter, 1 LSB	20-Dip	4.00	3.04	2.32
ADC08208CWM-ND	8-Bit, High Speed A/D Converter, 1 LSB	20-SOIC	3.78	2.87	2.19
ADC0831CCN-ND	8-Bit, Serial I/O A/D Converter with Multiplex Options	8-Dip	2.78	2.11	1.61
ADC0831CCWM-ND	8-Bit, Serial I/O A/D Converter with Multiplex Options	14-SOIC	2.73	2.08	1.59
ADC0832CCWM-ND	8-Bit, Serial I/O A/D with Multiplex Options, 2-Channel	14-SOIC	2.75	2.09	1.60
ADC0832CIWM-ND	8-Bit, Serial I/O A/D with Multiplex Options, 2-Channel	14-SOIC	2.78	2.11	1.61
ADC0834BCN-ND	8-Bit, Serial I/O ADC with Multiplex Options, 4-Channel	14-Dip	3.40	2.59	1.98
ADC0834CCWM-ND	8-Bit, Serial I/O ADC with Multiplex Options, 4-Channel	14-SOIC	3.13	2.38	1.82
ADC0838CCN-ND	8-Bit, Serial I/O ADC with Multiplex Options, 8-Channel	20-Dip	2.70	2.06	1.57
ADC0838CCWM-ND	8-Bit, Serial I/O ADC with Multiplex Options, 8-Channel	20-SOIC	2.70	2.06	1.57
ADC0844CCN-ND	8-Bit, A/D Converter with Compatible 4-Channel	20-Dip	5.23	3.98	3.04
ADC0848CCN-ND	8-Bit, µP Compatible ADC with Mux. Options, 1/2 LSB	28-PLCC	9.05	7.16	5.74
ADC08488CN-ND	8-Bit, µP Compatible ADC with Mux. Options, 1/2 LSB	24-Dip	6.05	4.79	3.64
ADC0848CCN-ND	8-Bit, µP Compatible ADC with Mux. Options; 1 LSB	24-Dip	5.78	4.39	3.35
ADC0848CCV-ND	8-Bit, µP Compatible ADC with Mux. Options; 1 LSB	28-PLCC	5.40	4.27	3.42
ADC1061CIN-ND	10-Bit, High Speed µP Compatible ADC with Track	20-Dip	5.80	4.59	3.68
ADC1173CIMTC-ND	8-Bit, 3V, 15MSPS, A/D Converter	24-TSSOP	2.98	2.27	1.73
ADC1251CIJ-ND	12-Bit, Self-Calibrating Plus Sign µP Compatible ADC	24-CDip	14.30	12.26	10.67
ADC08060CIMT-ND	8-Bit, 20-60MSPS, 1.3mW/MSPS A/D Converter	24-TSSOP	4.05	3.08	2.35
ADC08062CIWM-ND	8-Bit, A/D Converter 2-Channel with S/H	20-SOIC	4.40	3.35	2.56
ADC08100CIMTC-ND	8-Bit, A/D Converter, 100MSPS, 1.3mW	24-TSSOP	8.63	6.83	5.47
ADC08200CIMT-ND	8-Bit, 20-200MSPS, 1.05mW MSPS A/D Converter	24-TSSOP	12.76	10.94	9.70
ADC08351CILQCT-ND	8-Bit, A/D Converter	24-LLP	4.78	3.63	2.77
ADC08351CILQTR-ND	8-Bit, A/D Converter	24-LLP		2406.60/1,000	
ADC08351CIMTC-ND	8-Bit, A/D Converter	20-TSSOP	4.55	3.46	2.64
ADC08831IM-ND	8-Bit, Serial I/O A/D Converter, 1-Input	8-MSOP	2.51	1.87	1.38
ADC08831IMMCT-ND	8-Bit, Serial I/O A/D Converter, 1-Input	8-MSOP	2.51	1.87	1.38
ADC08831IMMTR-ND	8-Bit, Serial I/O A/D Converter, 1-Input	8-MSOP		1036.80/1,000	
ADC08831IN-ND	8-Bit, Serial I/O A/D Converter, 1-Input	8-Dip	2.51	1.87	1.38
ADC08831IWM-ND	8-Bit, Serial I/O A/D Converter, 1-Input	14-SOIC	2.51	1.87	1.38
ADC08832IM-ND	8-Bit, Serial I/O A/D Converter, 2-Input	8-SOIC	2.51	1.87	1.38
ADC08832IMMCT-ND	8-Bit, Serial I/O A/D Converter, 2-Input	8-MSOP	2.51	1.87	1.38
ADC08832IMMTR-ND	8-Bit, Serial I/O A/D Converter, 2-Input	8-MSOP		1036.80/1,000	
ADC08832IN-ND	8-Bit, Serial I/O A/D Converter, 2-Input	8-Dip	2.51	1.87	1.38
ADC08832IWM-ND	8-Bit, Serial I/O A/D Converter	14-SOIC	2.51	1.87	1.38
ADC10030CIVT-ND	10-Bit, A/D Converter	32-LQFP	7.54	6.05	4.85
ADC10038CIWM-ND	10-Bit, A/D Converter	28-TSSOP	7.48	5.91	4.74
ADC10062CIWM-ND	10-Bit, A/D Converter	24-SOIC	6.24	4.94	3.96
ADC10065CIMT-ND	10-Bit, A/D Converter	28-TSSOP	8.32	6.58	5.27
ADC10080CIMT-ND	10-Bit, A/D Converter	28-TSSOP	8.99	7.11	5.70
ADC10158CIN-ND	10-Bit, Plus Sign 4µS ADC with 4 or 8-Channel Mux, Track	28-Dip	5.54	4.39	3.52
ADC10158CIWM-ND	10-Bit, Plus Sign 4µS ADC w/4 or 8-Channel Mux, Track	28-SOIC	5.82	4.60	3.69
ADC10321CIVT-ND	10-Bit, A/D Converter	32-LQFP	5.90	4.67	3.74
ADC10461CIWM-ND	10-Bit, A/D Converter	20-SOIC	6.07	4.80	3.85
ADC10464CIWM-ND	10-Bit, 500nS A/D Converter with Input Mux	28-SOIC	6.36	5.03	4.03
ADC10662CIWM-ND	10-Bit, 360nS A/D Converter with Input Mux	24-SOIC	5.75	4.37	3.34
ADC10664CIWM-ND	10-Bit, 360nS A/D Converter with Input Mux	28-SOIC	6.18	4.70	3.59
ADC10738CIWM-ND	10-Bit, Serial I/O A/D Converter	24-SOIC	5.10	3.88	2.96
ADC11775-50CILQCT-ND	8-Bit, 50MSPS, A/D Converter	24-LLP	4.68	3.56	2.72
ADC11775-50CILQTR-ND	8-Bit, 50MSPS, A/D Converter	24-LLP		2356.20/1,000	
ADC11775-50CIMT-ND	8-Bit, 50MSPS, A/D Converter	24-SSOP	4.68	3.56	2.72
ADC12010CIVY-ND	12-Bit, 10MSPS, A/D Converter	32-LQFP	8.73	8.34	7.40

*RoHS Compliant

(Continued)

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National Semiconductor — A/D AND D/A CONVERTERS (Continued)

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ADC12010EVAL-ND	Evaluation Board		295.50	—	—
ADC12020CIVY-ND	12-Bit, 20MSPS, A/D Converter	32-LQFP	14.25	12.21	10.83
ADC12020EVAL-ND	Evaluation Board		363.00	—	—
ADC12030CIWM-ND	12-Bit, Serial In/Out A/D Converter	16-SOIC	6.26	4.95	3.97
ADC12032CIWM-ND	12-Bit, A/D Converter	20-SOIC	6.26	4.95	3.97
ADC12034CIN-ND	12-Bit, A/D Converter	24-Dip	9.83	7.77	6.23
ADC12034CIWM-ND	12-Bit, A/D Converter	24-SOIC	6.51	5.15	4.13
ADC12038CIWM-ND	12-Bit, A/D Converter	28-SOIC	6.51	5.15	4.13
ADC12040CIVY-ND	12-Bit, 40MSPS, A/D Converter	32-LQFP	14.96	12.83	11.38
ADC12130CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	16-Dip	6.78	5.37	4.30
ADC12138CIN-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	28-Dip	6.62	5.23	4.19
ADC12138CIWM-ND	12-Bit, Self-Calibrating A/D Converter Plus Sign Serial I/O	28-SOIC	6.62	5.23	4.19
ADC5746AIMFCT-ND	12-Bit, 1MSPS, A/D Converter	SOT-23-6	4.63	3.52	2.69
ADC5746AIMFTR-ND	12-Bit, 1MSPS, A/D Converter	SOT-23-6		6937.50/3,000	
ADC5747AIMFCT-ND	10-Bit, 1MSPS, A/D Converter	SOT-23-6	3.63	2.76	2.11
ADC5747AIMFTR-ND	10-Bit, 1MSPS, A/D Converter	SOT-23-6		1827.00/1,000	
ADC5748AIMFCT-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6	3.00	2.28	1.74
ADC5748AIMFTR-ND	8-Bit, 1MSPS, A/D Converter	SOT-23-6		1512.00/1,000	
ADC59883CVH-140-ND	140MSPS Video Analog Front End	128-PQFP	14.14	12.12	10.75
ADC59885CVH-170-ND	170MSPS Video Analog Front End	128-PQFP	16.20	15.12	14.04
ADC59886CVH-205-ND	205MSPS Video Analog Front End	128-PQFP	22.65	21.14	19.63
ADC0983ZCIM-ND	Low Voltage, 8-Bit Serial In/Out A/D Converter	8-SOIC	3.05	2.32	1.77
CLC5957MTD-ND	12-Bit, 70MSPS Broadband Mono ADC	48-TSSOP	27.30	25.48	23.66

D/A Converters

DAC081S101CIMKCT-ND	8-Bit DAC with Rail-to-Rail Output	6-TSOT	2.79	2.07	1.53
DAC081S101CIMKTR-ND	8-Bit DAC with Rail-to-Rail Output	6-TSOT		1152.00/1,000	
DAC081S101CIMMCT-ND	8-Bit DAC with Rail-to-Rail Output	8-MSOP	2.36	1.75	1.30
DAC081S101CIMMTR-ND	8-Bit DAC with Rail-to-Rail Output	8-MSOP		972.80/1,000	
DAC101S101CIMKCT-ND	10-Bit DAC with Rail-to-Rail Output	6-TSOT	3.03	2.30	1.76
DAC101S101CIMKTR-ND	10-Bit DAC with Rail-to-Rail Output	6-TSOT		1524.60/1,000	
DAC101S101CIMMCT-ND	10-Bit DAC with Rail-to-Rail Output	8-MSOP	3.03	2.30	1.76
DAC101S101CIMMTR-ND	10-Bit DAC with Rail-to-Rail Output	8-MSOP		1524.60/1,000	
DAC121S101CIMKCT-ND	12-Bit DAC with Rail-to-Rail Output	6-TSOT	3.45	2.63	2.01
DAC121S101CIMKTR-ND	12-Bit DAC with Rail-to-Rail Output	6-TSOT		1738.80/1,000	
DAC121S101CIMMCT-ND	12-Bit DAC with Rail-to-Rail Output	8-MSOP	3.45	2.63	2.01
DAC121S101CIMMTR-ND	12-Bit DAC with Rail-to-Rail Output	8-MSOP		1738.80/1,000	
DAC0800LCM-ND	8-Bit, D/A Converter	16-SOIC	1.65	1.21	.88
DAC0800LCMXTR-ND	8-Bit, D/A Converter	16-SOIC		1402.2,500	
DAC0800LCN-ND	8-Bit, D/A Converter 0.19% Linearity	16-Dip	1.63	1.22	.90
DAC0802LCM-ND	8-Bit, D/A Converter	16-SOIC	1.76	1.30	.94
DAC0802LCN-ND	8-Bit, D/A Converter	16-Dip	1.63	1.22	.90
DAC0808LCM-ND	8-Bit, D/A Converter	16-SOIC	1.64	1.22	.91
DAC0808LCN-ND	8-Bit, D/A Converter 0.19% Linearity	16-Dip	1.74	1.30	.96
DAC0830LCN-ND	8-Bit, µP Compatible Double Buffered D/A Converter	20-Dip	5.90	4.67	3.74
DAC0832LCN-ND	8-Bit, µP Compatible D/A Converter 0.20% Linearity	20-Dip	3.20	2.44	1.86
DAC0832LCWM-ND	8-Bit, µP Compatible D/A Converter	20-SOIC	3.13	2.38	1.82
DAC14155MT-ND	14-Bit, 135MSPS D/A Converter	48-TSSOP	9.11	7.21	5.78

EPSON ELECTRONICS AMERICA, INC. — REAL TIME CLOCK MODULES

Epson Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	10	50
RTC-4543SA-A0	SE3245CT-ND	Real Time Clock, 5±10ppm	14-SOP	5.04	4.32	3.60
RTC-4543SA-A0	SE3245TR-ND	Real Time Clock, 5±10ppm	14-SOP		2400.00/3,000	
RTC-62421A	SE3247-ND	Real Time Clock, ±10ppm	18-Dip	8.58	7.15	5.07
RTC-62421B	SE3248-ND	Real Time Clock, ±50ppm	18-Dip	7.74	6.45	4.57
RTC-62423A3	SE3249CT-ND	Real Time Clock, ±20ppm	24-SOP	12.25	10.50	8.75
RTC-62423A3	SE3249TR-ND	Real Time Clock, ±20ppm	24-SOP		1457.50/250	
RTC-72421A	SE3231-ND	Real Time Clock, ±10ppm	18-Dip	7.62	6.35	4.51
RTC-72421B	SE3232-ND	Real Time Clock, ±50ppm	18-Dip	7.05	5.88	4.18
RTC-72423A	SE3241CT-ND	Real Time Clock, ±20ppm	24-SOP	8.55	7.30	5.07
RTC-72423A3	SE3241TR-ND	Real Time Clock, ±20ppm	24-SOP		1187.50/250	
RTC-72423B	SE3242-ND	Real Time Clock, ±50ppm	24-SOP	7.50	6.25	4.44
RTC-72423B3	SE3242TR-ND	Real Time Clock, ±50ppm	24-SOP		1041.67/250	
RTC-8564JE3	SE3252CT-ND	Real Time Clock, 5±23ppm	20-VSOJ	5.88	5.04	4.20
RTC-8564JE3	SE3252TR-ND	Real Time Clock, 5±23ppm	20-VSOJ		697.50/250	
RX-8581SA8	SE3253-ND	Real Time Clock, 5±23ppm	14-SOP	3.50	3.00	2.50

National Semiconductor — INTERFACE CHIPS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
CLC020BCO-ND	SMPTE 259M Digital Video Serializer	28-PLCC	28.50	26.60	24.70
CLC021AVGZ-5.0-ND	SMPTE 259M Digital Video Serializer	44-PQFP	37.05	34.58	32.11
DP83815DUJB-ND	Integrated PCI Ethernet Media Access Controller	160-LBGA	16.96	14.03	12.44
DP83815DVNG-ND	10/100Mb, Integrated PCI Ethernet Media Access Controller and Physical Layer	144-LQFP	12.29	10.53	9.34
DP83816AVNG-ND	10/100Mb/s PCI Ethernet Media Access Controller (MacPHYTER-II™)	144-LQFP	9.47	7.49	6.00
DP83843BVJE-ND	Phyter with Integrated PMD Sublayers	80-PQFP	16.05	14.98	13.91
DP83846AVHG-ND	DsPHYTER, Single 10/100 Ethernet Transceiver	80-LQFP	10.04	7.94	6.38
DP83847ALQA56A-ND	Single 10/100 Ethernet Transceiver	56-LLP	5.48	4.34	3.48
DP83848CVV-ND	Phyter Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	4.73	3.60	2.75
DP83848IVV-ND	Phyter Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver*	48-LQFP	6.18	4.70	3.59
DP83865DVH-ND	10/100/1000 Ethernet Physical Layer (Gig PHYTER®V)	128-PQFP	18.60	17.36	16.12
DP83902AV-ND	Serial Network interface Controller for Twisted Pair	84-PLCC	16.61	14.24	12.63
DS14C88M-ND	Quad CMOS Line Driver	14-SOIC	1.71	1.28	.95
DS14C88MXTR-ND	Quad CMOS Line Driver	14-SOIC		1728.13/2,500	
DS14C88N-ND	Quad CMOS Line Driver	14-Dip	2.20	1.64	1.21
DS14C89AM-ND	Quad CMOS Line Receiver	14-SOIC	1.71	1.28	.95
DS14C89AMXTR-ND	Quad CMOS Line Receiver	14-SOIC		1728.13/2,500	
DS14C89AN-ND	Quad CMOS Line Receiver	14-Dip	1.98	1.47	1.09
DS14C232CM-ND	Low Power +5V, PowerTIA/EIA-232 Dual Driver/Receiver	16-SOIC	2.80	2.13	1.63
DS14C232CMXTR-ND	Low Power +5V, PowerTIA/EIA-232 Dual Driver/Receiver	16-SOIC		3500.00/2,500	
DS14C232CN-ND	EIA232 Dual Driver/Receiver Low Power	16-Dip	3.05	2.32	1.77
DS14C232TM-ND	EIA232 Dual Driver/Receiver Low Power	16-SOIC	3.00	2.28	1.74
DS14C238WM-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver	24-SOIC	6.78	5.37	4.30
DS14C238WMXTR-ND	Single Supply TIA/EIA-232 4x4 Driver/Receiver	24-SOIC		4005.20/1,000	
DS14C241WM-ND	Single Supply TIA/EIA-232 4x5 Driver/Receiver	28-SOIC	6.24	4.94	3.96
DS14C335MSA-ND	3.3V, Supply TIA/EIA-232 3x5 Driver/Receiver	28-SSOP	8.11	6.41	5.14

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
DS14C535MSA-ND	5V, Supply EIA/TIA-232 3x5 Driver/Receiver	28-SSOP	8.66	5.27	4.22
DS15MB200TSQCT-ND	Dual 1.5Gbps 2:1/1:2 LVDS Mux/Buffer* NEW!	48-LLP	9.89	8.48	7.52
DS15MB200TSQTR-ND	Dual 1.5Gbps 2:1/1:2 LVDS Mux/Buffer* NEW!	48-LLP		1793.88/250	
DS25BR400TSQCT-ND	Quad 2.5Gbps Transceiver* NEW!	60-LLP	16.35	15.26	14.17
DS25BR400TSQTR-ND	Quad 2.5Gbps Transceiver* NEW!	60-LLP		3460.75/250	
DS25MB200TSQCT-ND	Dual 2.5Gbps 1:2 Mux/Buffer* NEW!	48-LLP	16.38	14.04	12.45
DS25MB200TSQTR-ND	Dual 2.5Gbps 1:2 Mux/Buffer* NEW!	48-LLP		2971.80/250	
DS26C31TM-ND	CMOS Quad Tri-State Differential Line Driver	16-SOIC	1.80	1.32	.96
DS26C31TMXTR-ND	CMOS Quad Tri-State Differential Line Driver	16-SOIC		1530.00/2,500	
DS26C31TN-ND	CMOS Quad RS422 Line Driver	16-Dip	2.17	1.61	1.19
DS26C32ATM-ND	CMOS Quad RS422 Receiver	16-SOIC	1.77	1.32	.97
DS26C32ATMXTR-ND	CMOS Quad RS422 Receiver	16-SOIC		1781.25/2,500	
DS26C32ATN-ND	Quad Differential Line Receiver	16-Dip	2.51	1.87	1.38
DS26LS31CM-ND	Quad High Speed Differential Line Driver	16-SOIC	1.72	1.27	.92
DS26LS31CMXTR-ND	Quad High Speed Differential Line Driver	16-SOIC		1463.06/2,500	
DS26LS31CN-ND	Quad High Speed Differential	16-Dip	2.08	1.55	1.14
DS26LS32ACM-ND	Quad Differential Line Receiver	16-SOIC	1.79	1.31	.96
DS26LS32ACMXTR-ND	Quad Differential Line Receiver	16-SOIC		1517.25/2,500	
DS26LS32ACN-ND	Quad Differential Line Receiver	16-Dip	2.05	1.52	1.13
DS26LS32CM-ND	Quad Differential Line Receiver	16-SOIC	1.54	1.13	.82
DS26LS32CN-ND	Quad Differential Line Receiver	16-Dip	1.92	1.43	1.06
DS26LV31TM-ND	3V, Enhanced Quad CMOS Differential Line Driver	16-SOIC	1.90	1.41	1.05
DS26LV32ATM-ND	3V, Enhanced Quad CMOS Differential Line Receiver	16-SOIC	1.90	1.41	1.05
DS34C86TM-ND	Quad CMOS Differential Line Driver	16-SOIC	1.77	1.32	.97
DS34C86TMXTR-ND	Quad CMOS Differential Line Receiver	16-SOIC		1781.25/2,500	
DS34C86TN-ND	Quad CMOS Differential Line Receiver	16-Dip	2.11	1.57	1.16
DS34C87TM-ND	CMOS Quad Tri-State Differential Line Driver	16-SOIC	1.56	1.16	.86
DS34C87TMXTR-ND	CMOS Quad Tri-State Differential Line Driver	16-SOIC		1568.75/2,500	
DS34C87TN-ND	CMOS Quad Tri-State Differential Line Driver	16-Dip	1.89	1.41	1.04
DS34LV86TM-ND	3V, Enhanced Quad CMOS Differential Line Receiver	16-SOIC	2.57	1.91	1.42
DS34LV87TM-ND	Enhanced Quad CMOS Differential Line Driver	16-SOIC	2.57	1.91	1.42
DS36C200M-ND	Dual High Speed Bi-Directional Differential Transceiver	14-SOIC	2.98	2.21	1.64
DS86C278M-ND	Low Power Multipoint EIA-RS-485 Transceiver	8-SOIC	2.76	2.05	1.52
DS36C278TM-ND	Multipoint EIA Low Power Transceiver	8-SOIC	2.82	2.10	1.55
DS36C279M-ND	Low Power EIA-RS-485 Transceiver with Sleep Mode	8-SOIC	2.58	1.96	1.50
DS36C279M-ND	Slew Rate Controlled CMOS EIA-RS-485 Transceiver	8-SOIC	2.58	1.96	1.50
DS36F95M-ND	High Speed Multipoint RS485/422 Transceiver	8-SOIC	3.68	2.80	2.14
DS40MB200SQCT-ND	Dual 4Gb/s 1:2 Mux/Buffer	48-LLP	21.00	19.60	18.20
DS40MB200SQTR-ND	Dual 4Gb/s 1:2 Mux/Buffer	48-LLP		4445.00/250	
DS89C21TM-ND	Differential CMOS Line Driver/Receiver Pair	8-SOIC	1.61	1.20	.89
DS89C386TMEA-ND	12-Channel CMOS Differential Line Driver	48-SSOP	8.76	6.93	5.55
DS89C387TMEA-ND	12-Channel CMOS Differential Line Driver	48-SSOP	8.76	6.93	5.55
DS90C031BTM-ND	LVDS Quad CMOS Differential Line Driver	16-SOIC	3.20	2.44	1.86
DS90C031TM-ND	LVDS Quad CMOS Differential Line Driver	16-SOIC	3.20	2.44	1.86
DS90C031TMXTR-ND	LVDS Quad CMOS Differential Line Driver	16-SOIC		4000.00/2,500	
DS90C032BTM-ND	LVDS Quad CMOS Differential Line Receiver	16-SOIC	3.20	2.44	1.86
DS90C032TM-ND	LVDS Quad CMOS Differential Line Receiver	16-SOIC	3.20	2.44	1.86
DS90C032TMXTR-ND	LVDS Quad CMOS Differential Line Receiver	16-SOIC		4000.00/2,500	
DS90C383MTD-ND	LVDS 3.3V, FPD Link 24-Bit, Transmitter	56-TSSOP	6.26	4.95	3.97
DS90C385AMT-ND	+3.3V Prog. LVDS Transmitter 24-Bit Flat Panel Display Link, 85MHz	56-TSSOP	4.75	3.61	2.76
DS90C387AVJD-ND	Dual Pixel LVDS Display Interface	100-TQFP	9.83	7.77	6.23
DS90C387RVJD-ND	85MHz Dual 12-Bit LDI Transmitter (VGA/UXGA)	100-TQFP	8.93	7.06	5.66
DS90C387VJD-ND	LVDS Dual Pixel Display Interface (LDI)-SVGA-QXGA	100-TQFP	9.83	7.77	6.23
DS90C401MTD-ND	LVDS Dual Low Volt Differential Signaling Driver	8-SOIC	2.50	1.90	1.45
DS90C402M-ND	LVDS Dual Low Volt Differential Signaling Receiver	8-SOIC	2.50	1.90	1.45
DS90C2501SLBCT-ND	Transmitter for LVDS Display Interface	Laminate CSP	16.20	15.12	14.04
DS90C2501SLBTR-ND	Transmitter for LVDS Display Interface	Laminate CSP		6750.00/500	
DS90CF364MTD-ND	LVDS 3.3V, FPD Link 18-Bit, Receiver	48-TSSOP	5.85	4.45	3.40
DS90CF364AMTD-ND	LVDS 3.3V, FPD Link-65MHz, 18-Bit, Receiver	48-TSSOP	5.48	4.34	3.48
DS90CF366MTD-ND	LVDS 3.3V, FPD Link-85MHz, 18-Bit, Receiver	48-TSSOP	6.26	4.95	3.97
DS90CF384AMTD-ND	LVDS 3.3V, FPD Link-65MHz, 24-Bit, Receiver	56-TSSOP	5.99	4.74	3.80
DS90CF383MTD-ND	LVDS 3.3V, FPD Link 24-Bit, Receiver	56-TSSOP	6.26	4.95	3.97
DS90CF383MTD-ND	LVDS 3.3V, FPD Link 24-Bit, Receiver	56-TSSOP	5.35	4.24	3.40
DS90CF386MTD-ND	LVDS 3.3V, FPD Link-85MHz, 24-Bit, Receiver	56-TSSOP	6.26	4.95	3.97
DS90CF388AVJD-ND	LVDS Dual Pixel Display interface/FPD-Link	100-TQFP	9.83	7.77	6.23
DS90CF388VJD-ND	LVDS Dual Pixel Display Interface (LDI)-SVGA/QXGA	100-TQFP	9.83	7.77	6.23
DS90CF561MTD-ND	LVDS 18-Bit, Color, FPD Link	48-TSSOP	9.83	7.77	6.23
DS90CF562MTD-ND	LVDS 18-Bit, Color, FPD Link	48-TSSOP	8.93	7.06	5.66
DS90CF563MTD-ND	LVDS 5V, FPD Link 18-Bit, Transmitter	48-TSSOP	9.83	7.77	6.23
DS90CF564MTD-ND	LVDS 5V, FPD Link 18-Bit, Receiver	48-TSSOP	8.93	7.06	5.66
DS90CF584MTD-ND	LVDS 5V, FPD Link 24-Bit, Receiver	56-TSSOP	8.93	7.06	5.66
DS90CP04TLQCT-ND	4x4 Low Power 2.5 Gb/s LVDS Digital Cross-Point Switch	32-LLP	9.56	8.19	7.27
DS90CP04TLQTR-ND	4x4 Low Power 2.5Gb/s LVDS Digital Cross-Point Switch	32-LLP		1733.25/250	
DS90CP22M-8-ND	2x2 800MBPS LVDS Crosspoint Switch	16-SOIC	6.57	5.20	4.17
DS90CP22MT-ND	2x2 800MBPS LVDS Crosspoint Switch	16-TSSOP	6.57	5.20	4.17
DS90CR213MTD-ND	21-Bit, Channel Link-66MHz, Transmitter	48-TSSOP	9.00	7.71	6.84
DS90CR214MTD-ND	21-Bit, Channel Link-66MHz, Receiver	48-TSSOP	9.00	7.71	6.84
DS90CR215MTD-ND	LVDS 3.3V, Rising Edge Data Strobe 21-Bit, Channel Link-66MHz, Transmitter	48-TSSOP	7.39	5.85	4.69
DS90CR216AMTD-ND	LVDS 3.3V, Rising Edge Data Strobe 21-Bit, Channel Link-66MHz, Receiver	48-TSSOP	5.99	4.74	3.80
DS90CR217MTD-ND	LVDS 3.3V, Rising Edge Data Strobe 21-Bit, Channel Link-85MHz	48-TSSOP	7.98	6.31	5.06
DS90CR218AMTD-ND	LVDS 3.3V, Rising Edge Data Strobe 21-Bit, Channel Link-85MHz	48-TSSOP	6.99	5.53	4.43
DS90CR218MTD-ND	LVDS 3.3V, Rising Edge Data Strobe 21-Bit, Channel Link-75MHz	48-TSSOP	8.93	7.06	5.66
DS90CR283MTD-ND	28-Bit, Channel Link-66MHz, Transmitter	56-TSSOP	9.98	8.55	7.59
DS90CR284MTD-ND	28-Bit, Channel Link-66MHz, Receiver	56-TSSOP	9.98	8.55	7.59
DS90CR285MTD-ND	LVDS 3.3V, Rising Edge Data Strobe 28-Bit, Channel Link-66MHz, Transmitter	56-TSSOP	6.62	5.23	4.19
DS90CR286AMTD-ND	3.3V, Data Strobe LVDS Receiver 28-Bit Channel Link-66MHz	56-TSSOP	6.26	4.95	3.97
DS90CR285MTD-ND	LVDS 3.3V, Data Strobe 28-Bit, Channel Link-66MHz	56-TSSOP	6.26	4.95	3.97
DS90CR287MTD-ND	LVDS 3.3V, Rising Edge Data Strobe 28-Bit Channel Link-75MHz	56-TSSOP	9.98	8.55	7.59
DS90CR287SLC-ND	LVDS 3.3V, Rising Edge Data Strobe 28-Bit Channel Link-75MHz	64-FBGA	10.05	8.61	7.64
DS90CR288AMTD-ND	LVDS 3.3V, Rising Edge Data Strobe 28-Bit Channel Link-85MHz	56-TSSOP	9.93	7.86	6.30
DS90CR288ASLC-ND	LVDS 3.3V, Rising Edge Data Strobe 28-Bit Channel Link-85MHz	64-FBGA	10.57	9.06	8.04
DS90CR481VJD-ND	48-Bit LVDS Channel Link SER/DES, 65-112MHz	100-TQFP	15.30	14.28	13.26

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	Driver ICs				
IR2132S-ND	3-Phase Bridge Driver	28-SOIC	14.25	11.40	8.78
IR2132SPBFCT-ND	3-Phase Bridge Driver*	28-SOIC	13.10	9.32	8.44
IR2132SPBFTR-ND	3-Phase Bridge Driver*	28-SOIC		7566.00/1,000	
IR2133-ND	3-Phase Bridge Driver	28-Dip	14.25	11.40	8.78
IR2133JPBFCT-ND	3-Phase Bridge Driver*	44-PLCC	13.61	9.68	8.78
IR2133JPBFTR-ND	3-Phase Bridge Driver*	44-PLCC		4084.00/500	
IR2135-ND	3-Phase Bridge Driver	28-Dip	14.25	11.40	8.78
IR2135J-ND	3-Phase Bridge Driver	44-PLCC	14.75	11.80	9.08
IR2135S-ND	3-Phase Bridge Driver	28-SOIC	14.25	11.40	8.78
IR2135SPBFCT-ND	3-Phase Bridge Driver*	28-SOIC	13.05	9.28	8.41
IR2135SPBFTR-ND	3-Phase Bridge Driver*	28-SOIC		7540.00/1,000	
IR2136-ND	3-Phase Bridge Driver	28-Dip	7.60	5.49	5.24
IR2136J-ND	3-Phase Bridge Driver	44-PLCC	8.75	7.00	5.39
IR2136JPBFCT-ND	3-Phase Bridge Driver*	44-PLCC	9.05	6.34	5.43
IR2136JPBFTR-ND	3-Phase Bridge Driver*	44-PLCC		2534.00/500	
IR2136S-ND	3-Phase Bridge Driver	28-SOIC	8.50	6.80	5.24
IR2136SPBFCT-ND	3-Phase Bridge Driver*	28-SOIC	8.75	6.13	5.25
IR2136SPBFTR-ND	3-Phase Bridge Driver*	28-SOIC		4725.00/1,000	
IR2151-ND	Half-Bridge Driver	8-Dip	3.00	2.40	1.85
IR2151S-ND	Half-Bridge Driver	8-SOIC	3.33	2.66	2.05
IR2151STR-ND	Half-Bridge Driver	8-SOIC		4657.50/2,500	
IR2153D-ND	Self-Oscillating Half-Bridge Driver	8-Dip	3.31	2.33	1.86
IR2153PBF-ND	Self-Oscillating Half-Bridge Driver*	8-Dip	2.64	1.63	1.41
IR2153S-ND	Self-Oscillating Half-Bridge Driver	8-SOIC	1.68	1.34	1.04
IR2153SPBFCT-ND	Self-Oscillating Half-Bridge Driver*	8-SOIC	4.14	2.56	2.21
IR2153SPBFTR-ND	Self-Oscillating Half-Bridge Driver*	8-SOIC		4657.50/2,500	
IR2153STR-ND	Self-Oscillating Half-Bridge Driver	8-SOIC		4657.50/2,500	
IR2155PBF-ND	Self-Oscillating Half-Bridge Driver*	8-Dip	3.95	2.44	2.11
IR2172-ND	Current Sensing Motor Drive	8-Dip	7.00	5.60	4.20
IR2172SPBF-ND	Current Sensing Motor Driver*	8-SOIC	7.13	4.99	4.28
IR2175PBF-ND	Linear Current Sensing IC*	8-Dip	6.25	4.38	3.75
IR2175SPBFCT-ND	Linear Current Sensing IC*	8-SOIC	6.50	4.55	3.90
IR2175SPBFTR-ND	Linear Current Sensing IC*	8-SOIC		8450.00/2,500	
IR2181PBF-ND	High and Low Side Driver*	8-Dip	4.50	2.78	2.40
IR2181S-ND	High and Low Side Driver	8-SOIC	4.34	2.79	2.52
IR2181SPBFCT-ND	High and Low Side Driver*	8-SOIC	4.80	2.96	2.56
IR2181SPBFTR-ND	High and Low Side Driver*	8-SOIC		5400.00/2,500	
IR2182-ND	High and Low Side Driver	8-Dip	3.38	2.70	2.03
IR2183PBF-ND	Half-Bridge Driver*	8-Dip	4.50	2.78	2.40
IR2183SPBFCT-ND	Half-Bridge Driver*	8-SOIC	4.80	2.96	2.56
IR2183SPBFTR-ND	Half-Bridge Driver*	8-SOIC		5400.00/2,500	
IR2184PBF-ND	High and Low Side Driver*	8-Dip	4.05	2.50	2.16
IR2214SS-ND	Half-Bridge Gate Driver	24-SSOP	10.35	7.20	6.75
IR2233-ND	3-Phase Bridge Driver	28-Dip	37.50	30.00	23.10
IR2233J-ND	3-Phase Bridge Driver	44-PLCC	26.81	19.39	18.48
IR2233JPBFCT-ND	3-Phase Bridge Driver*	44-PLCC	24.10	18.08	16.87
IR2233JPBFTR-ND	3-Phase Bridge Driver*	44-PLCC		8134.00/500	
IR2233S-ND	3-Phase Bridge Driver	28-SOIC	30.00	24.00	18.48
IR2235-ND	3-Phase Bridge Driver	28-Dip	37.50	30.00	23.10
IR2235J-ND	3-Phase Bridge Driver	44-PLCC	37.50	30.00	23.10
IR2235JPBFCT-ND	3-Phase Bridge Driver*	44-PLCC	30.30	22.73	21.21
IR2235JPBFTR-ND	3-Phase Bridge Driver*	44-PLCC		10226.50/500	
IR2235S-ND	3-Phase Bridge Driver*	28-SOIC	37.50	30.00	23.10
IR2301-ND	High and Low Side Driver	8-Dip	3.00	1.85	1.63
IR2301PBF-ND	High and Low Side Driver*	8-Dip	3.00	1.85	1.60
IR2301S-ND	High and Low Side Driver	8-SOIC	3.06	1.89	1.67
IR2301SPBFCT-ND	High and Low Side Driver*	8-SOIC	3.18	1.97	1.70
IR2301SPBFTR-ND	High and Low Side Driver*	8-SOIC		3577.50/2,500	
IR2302PBF-ND	Half-Bridge Driver*	8-Dip	3.00	1.85	1.60
IR2520DPBF-ND	Adaptive Ballast Control IC*	8-Dip	2.97	1.98	1.74
IR3080M-ND	XPHASE™ VRD10 Controller*	32-MLPQ	3.78	2.47	2.19
IR3080MPBFCT-ND	XPHASE™ VRD10 Controller*	32-MLPQ	4.05	2.50	2.16
IR3080MPBFTR-ND	XPHASE™ VRD10 Controller*	32-MLPQ		5469.00/3,000	
IR3081AMPBF-ND	XPHASE™ VR10.0 Controller*	28-MLPQ	3.77	2.47	2.20
IR3081AMPBFCT-ND	XPHASE™ VR10.0 Controller*	28-MLPQ	4.11	2.74	2.20
IR3081AMPBFTR-ND	XPHASE™ VR10.0 Controller*	28-MLPQ		6165.00/3,000	
IR3081M-ND	XPHASE™ VR10.0 Controller	28-MLPQ	3.90	2.53	2.24
IR3086M-ND	XPHASE™ Controller	20-MLPQ	2.79	1.71	1.49
IR3087M-ND	XPHASE™ with OPTI-PHASE™, OVP, Over Temperature	20L-MLPQ	2.82	1.65	1.46
IR3087MPBFCT-ND	XPHASE™ with OPTI-PHASE™, OVP, Over Temp.*	20L-MLPQ	3.08	1.76	1.54
IR3087MPBFTR-ND	XPHASE™ with OPTI-PHASE™, OVP, Over Temp.*	20L-MLPQ		3896.00/3,000	
IR3092M-ND	2-Phase Opteron, Athlon, or VR10.X Control IC	48-MLPQ	6.36	3.93	3.52
IR3094MPBFCT-ND	3-Phase PWM Controller for Point of Load*	48-MLPQ	7.02	4.68	3.75
IR3094MPBFTR-ND	3-Phase PWM Controller for Point of Load*	48-MLPQ		9126.00/3,000	
IR3101-ND	1.6A, 500V Half-Bridge FredFET Driver	9-Sip	6.25	4.13	3.75
IR3103-ND	0.75A, 500V Gate Driver with Half-Bridge FredFET Driver	9-Sip	5.54	3.95	3.41
IR4426-ND	Low Side Driver	8-Dip	1.78	1.42	.95
IR4426S-ND	Low Side Driver	8-SOIC	1.91	1.53	1.15
IR4427-ND	Low Side Driver	8-Dip	2.52	1.44	1.26
IR4427PBF-ND	Low Side Driver*	8-Dip	2.52	1.44	1.26
IR4427S-ND	Low Side Driver	8-SOIC	1.91	1.53	1.15
IR4427SPBFCT-ND	Low Side Driver*	8-SOIC	3.15	1.80	1.58
IR4427SPBFTR-ND	Low Side Driver*	8-SOIC		3262.50/2,500	
IR4428-ND	Low Side Driver	8-Dip	1.80	1.44	1.08
IR4428S-ND	Low Side Driver	8-SOIC	1.91	1.53	1.15
IR4428SPBFCT-ND	Low Side Driver*	8-SOIC	3.15	1.80	1.58
IR4428SPBFTR-ND	Low Side Driver*	8-SOIC		3262.50/2,500	
IR6210-ND	High Side Driver	TO-220-5	4.98	3.98	3.06
IR6216-ND	High Side Driver	TO-220-5	4.98	3.98	3.06
IR6220S-ND	High Side Driver	TO-220-5	3.50	2.80	2.16
IR6220STRL-ND	High Side Driver	TO-220-5		1512.00/800	
IR21064PBF-ND	High and Low Side Driver*	14-Dip	4.05	2.50	2.16
IR21064S-ND	High and Low Side Driver	14-SOIC	3.43	2.74	2.11
IR21064SPBFCT-ND	High and Low Side Driver*	14-SOIC	4.29	2.65	2.29
IR21064SPBFTR-ND	High and Low Side Driver*	14-SOIC		4827.50/2,500	
IR21074-ND	High and Low Side Driver	14-Dip	3.45	2.76	2.13
IR21084PBF-ND	High and Low Side Driver*	14-Dip	4.05	2.50	2.16
IR21084S-ND	High and Low Side Driver	14-SOIC	3.43	2.74	2.11
IR21084SPBFCT-ND	High and Low Side Driver*	14-SOIC	4.29	2.65	2.29
IR21084SPBFTR-ND	High and Low Side Driver*	14-SOIC		4827.50/2,500	
IR21094-ND	Half-Bridge Driver	14-Dip	2.13	1.70	1.31
IR21271-ND	600V, 200/420mA Current Sensing Single Channel Driver	8-Dip	4.76	3.06	2.76
IR21271S-ND	600V, 200/420mA Current Sensing Single Channel Driver	8-SOIC	5.23	3.42	3.04
IR21271SPBFCT-ND	600V, 200/420mA Current Sensing Single Channel Driver*	8-SOIC	5.85	3.61	3.12
IR21271SPBFTR-ND	600V, 200/420mA Current Sensing Single Channel Driver*	8-SOIC		6582.50/2,500	
IR21362-ND	3-Phase Bridge Driver	28-Dip	8.50	6.80	5.24
IR21362JPBFCT-ND	3-Phase Bridge Driver*	44-PLCC	9.05	6.34	5.43
IR21362JPBFTR-ND	3-Phase Bridge Driver*	44-PLCC		2534.00/500	
IR21362S-ND	3-Phase Bridge Driver	28-SOIC	8.50	6.80	5.24
IR21362SPBFCT-ND	3-Phase Bridge Driver*	28-SOIC	8.75	6.13	5.25
IR21362SPBFTR-ND	3-Phase Bridge Driver*	28-SOIC		4725.00/1,000	
IR21368PBF-ND	3-Phase Bridge Driver*	28-Dip	8.50	5.95	5.10
IR21531-ND	Half-Bridge Driver	8-Dip	3.13	2.50	1.93
IR21531D-ND	Self-Oscillating Half-Bridge Driver	8-Dip	2.90	2.33	1.75
IR21531S-ND	Half-Bridge Driver	8-SOIC	3.18	2.54	1.96
IR21531SPBFCT-ND	Half-Bridge Driver*	8-SOIC	3.90	2.41	2.08
IR21531SPBFTR-ND	Half-Bridge Driver*	8-SOIC		4387.50/2,500	
IR21571PBF-ND	Ballast Control*	16-Dip	5.40	3.33	2.88
IR21571S-ND	Ballast Control	16-SOIC	4.63	3.70	2.86
IR21571SPBF-ND	Ballast Control*	16-SOIC	5.09	3.24	2.96
IR21592-ND	Dimming Ballast Control	16-Dip	5.89	3.71	3.45
IR21592SPBF-ND	Dimming Ballast Control*	16-SOIC	6.13	3.91	3.57
IR21593-ND	Dimming Ballast Control	16-Dip	5.89	3.71	3.45
IR21593S-ND	Dimming Ballast Control	16-SOIC	6.02	3.80	3.53
IR21824-ND	High and Low Side Driver	14-SOIC	3.49	2.79	2.10
IR21824S-ND	High and Low Side Driver	14-SOIC	3.60	2.88	2.16
IR21844-ND	High and Low Side Driver	14-Dip	3.49	2.79	2.10
IR22141SS-ND	Half-Bridge Gate Driver	24-SSOP	10.35	7.20	6.75
IRAMS06UP60A-ND	600V, 6A Plug N Drive™ Integrated Power Module for Appliance Motor Drive	Module	21.32	16.24	14.21
IRAMS06UP60B-ND	600V, 6A Plug N Drive™ Integrated Power Module for Appliance Motor Drive	Module	22.26	16.43	15.06
IRAMS10UP60A-ND	600V, 10A Plug N Drive™ Integrated Power Module for Appliance Motor Drive	Module	23.42	17.29	15.84
IRAMS10UP60B-ND	600V, 10A Plug N Drive™ Integrated Power Module for Appliance Motor Drive	Module	23.40	17.91	16.38
IRAMX16UP60A-ND	600V, 16A Plug N Drive™ Integrated Power Module for Appliance Motor Drive	Module	31.70	25.36	22.19
IRSF3011-ND	Low Side Driver	TO-220AB	4.38	3.50	2.70
IRSF3011L-ND	Low Side Driver	SOT-223	3.50	2.80	2.16
IRSF3021-ND	Low Side Driver	TO-220AB	4.13	3.30	2.54
IRSF3031-ND	Low Side Driver	TO-220AB	4.13	3.30	2.54
	Switching ICs				
IPS021S-ND	Fully Protected Power MOSFET Switch	SMD-220	2.40	1.92	1.38
IPS024G-ND	Low Side Driver	16-SOIC	4.97	3.98	2.66
IPS031-ND	Fully Protected Power MOSFET Switch	TO-220	3.04	2.55	1.96
IPS031G-ND	Single/Dual Fully Protected Power MOSFET Switch	8-SOIC	2.52	2.02	1.52
IPS511-ND	Fully Protected High-Side Power MOSFET Switch	TO-220-5	3.00	2.40	1.73
IR1150SCT-ND	One Cycle Control PFC	8-SOIC	3.00	1.85	1.60
IR1150STR-ND	One Cycle Control PFC	8-SOIC		3375.00/2,500	
IR1150SPBFCT-ND	One Cycle Control PFC*	8-SOIC	3.00	1.85	1.60
IR1150SPBFTR-ND	One Cycle Control PFC*	8-SOIC		3375.00/2,500	
IR2156-ND	600V, 0.5A Ballast Control	14-PDip	3.30	2.13	1.92
IR2156PBF-ND	600V, 0.5A Ballast Control*	14-Dip	3.54	2.19	1.89
IR2156S-ND	600V, 0.5A Ballast Control	14-SOIC	3.36	2.16	1.95
IR2156SPBFCT-ND	600V, 0.5A Ballast Control*	14-SOIC	3.78	2.32	2.00
IR2156SPBFTR-ND	600V, 0.5A Ballast Control*	14-SOIC		4220.00/2,500	
IR2166PBF-ND	600V, 500mA PFC and Ballast Control*	16-Dip	4.35	2.69	2.32
IR2166S-ND	600V, 500mA PFC and Ballast Control	16-SOIC	3.68	2.94	2.36
IR2170-ND	600V, 1mA Over Current Sensing	8-PDip	5.63	3.86	3.38
IR2170S-ND	600V, 1mA Over Current Sensing	8-SOIC	5.75	3.95	3.45
IR2171-ND	600V, 1mA Linear Current Sensing	8-PDip	6.25	4.29	3.75
IR2171S-ND	600V, 1mA Linear Current Sensing	8-SOIC	6.38	4.38	3.83
IR2183S-ND	600V, Half Bridge Driver	8-SOIC	4.34	2.79	2.52
IR2304-ND	Half Bridge Driver	8-PDip	3.23	1.90	1.67
IR2311-ND	Programmable, Current Sensing, High Side Switch	TO-220-5	5.25	3.67	3.15
IR6226-ND	Intelligent High Side MOSFET Power Switch	TO-220-5	5.75	4.60	4.03
IR21814PBF-ND	600V, 1.7A High and Low Side Driver*	14-Dip	4.65	2.87	2.48
IR21814S-ND	600V, 1.7A High and Low Side Driver	14-SOIC	4.48	2.88	2.60
IR21814SPBFCT-ND	600V, 1.7A High and Low Side Driver*	14-SOIC	4.95	3.06	2.64
IR21814SPBFTR-ND	600V, 1.7A High and Low Side Driver*	14-SOIC		5570.00/2,500	
IR21834PBF-ND	600V, Half Bridge Driver*	14-Dip	4.65	3.10	2.48
IR21834S-ND	600V, Half Bridge Driver	14-SOIC	4.62	3.30	2.89
IR21834SPBFCT-ND	600V, Half Bridge Driver*	14-SOIC	4.95	3.06	2.64
IR21834SPBFTR-ND	600V, Half Bridge Driver*	14-SOIC		5570.00/2,500	
IRDCIP1001-A-ND	Single Phase Synchronous Buck Converter, 3.3V to 4.5V	—	368.75	—	—
IRIS4007-ND	Integrated Power Switch, 200V, 4A	TO-220-5	5.54	3.55	3.18
IRIS4011-ND	Integrated Power Switch, 650V, 2.7A	TO-220-5	5.54	3.55	3.18
IRIS4013-ND	Integrated Power Switch, 650V, 5.1A	TO-220-5	5.96	3.83	3.45
IRIS4013K-ND	Integrated Power Switch, 650V, 5.1A	TO-262-5	5.83	3.74	3.37
IRIS4015-ND	Integrated Power Switch, 650V, 8A	TO-220-5	6.44	4.29	3.88
IRMCK201-ND	High Performance Configurable Digital AC Servo Control	100-QFP	15.77	12.45	11.21
IRMCK203-ND	High Performance Sensorless Motion Control	80-QFP	20.90	15.68	13.59
IRMCS2011-ND	iMOTION™ Development System, Encoder Based Servo Drive Design Platform	—	2395.80	—	—
IRMCS2031-ND	iMOTION™ Develop System, Sensorless Drive Design Platform	—	2500.01	—	—
IRPLLNR3-ND	Universal Input Linear Fluorescent Ballast using the IR2167	—	250.00	—	—
IRPLLNR4-ND	Universal Input Linear Fluorescent Ballast using the IR2166	—	350.00	—	—
IRSF3010-ND	Fully Protected Power MOSFET Switch	TO-220AB	4.63	3.70	3.24
IRSF3010S-ND	Fully Protected Power MOSFET Switch	D2-PAK	4.75	3.80	2.85
IRSF3012L-ND	Fully Protected Power MOSFET Switch	SOT-223	3.50	2.80	2.10
IRSF3012-ND	Fully Protected Power MOSFET Switch	TO-220	4.38	3.50	2.63
IRSF3021L-ND	Low Side Power MOSFET Switch	SOT-223	2.93	2.34	1.76
IRU1502-33CHCT-ND	Micropower LD PMOS Voltage Regulator, 1A	6-MLPM	1.05	.79	.62
IRU1502-33CHTR-ND	Micropower LD PMOS Voltage Regulator, 1A	6-MLPM		1470.00/3,000	

* RoHS Compliant

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
ICL7641ECPD+-ND	Quad, Low Power, CMOS Op Amp*	14-Dip	4.27	3.22	1.89
ICL7642ECPD-ND	Quad, Low Power, CMOS Op Amp	14-Dip	4.77	3.60	2.12
ICL7660CSA+-ND	CMOS Switch Capacitor Voltage Converter*	8-SOIC	2.86	2.16	1.54
ICL7665ACPA+-ND	Under/Over Voltage Detector* **NEW!**	8-Dip	4.93	3.72	2.38
ICL7665ACSA+-ND	Under/Over Voltage Detector*	8-SOIC	5.43	4.10	2.93
ICM7212AMIPL+-ND	Four Digit Display Decoder/Driver* **NEW!**	40-Dip	5.75	4.34	2.79
ICM7217AIPI-ND	4-Digit Presettable Up/Down Counter	28-Dip	13.86	10.46	6.15
ICM7217AIPI+-ND	4-Digit Presettable Up/Down Counter*	28-Dip	13.86	10.46	6.15
ICM7217CPI-ND	4-Digit Presettable Up/Down Counter	28-Dip	13.86	10.46	6.15
ICM7218AIPI-ND	8-Digit Multiplexer LED Decoder/Driver	28-Dip	11.74	8.86	6.00
ICM7218AIPI+-ND	8-Digit Multiplexer LED Decoder/Driver*	28-Dip	11.74	8.86	6.00
ICM7218BIPI-ND	8-Digit LED Display Driver	28-Dip	11.74	8.86	5.19
ICM7218BIPI+-ND	8-Digit LED Display Driver*	28-Dip	11.74	8.86	5.19
ICM7224IPL+-ND	4-1/2 Digit Counter/Decoder/Driver* **NEW!**	40-Dip	18.23	13.76	8.05
ICM7242IPA-ND	Fixed Timer/Counter	8-Dip	3.79	2.86	1.98
ICM7242IPA+-ND	Fixed Timer/Counter*	8-Dip	3.79	2.86	1.98
ICM7250IPE+-ND	Programmable RC Timer* **NEW!**	16-Dip	5.41	4.08	2.72
ICM7250IWE-ND	Programmable RC Timer	16-SOIC	5.94	4.48	2.99
ICM7555IPA+-ND	CMOS General Purpose Timer*	8-Dip	2.49	1.88	1.25
ICM7556IPD+-ND	Dual General Purpose RC Timer*	14-Dip	3.76	2.84	1.67
ICM7556ISD-ND	Dual General Purpose RC Timer	14-SOIC	3.39	2.56	1.51
ICM7556ISD+-ND	Dual General Purpose RC Timer*	14-SOIC	3.39	2.56	1.51
IH5043CPE+-ND	Dual SPDT General Purpose CMOS Analog Switch*	16-Dip	7.10	5.36	3.15
IH5144CPE-ND	DPST, Low Power, Fast CMOS Analog Switch	16-Dip	9.70	7.32	4.30
IH5352CPE-ND	SPST, Quad RF/Video Switch	16-Dip	14.07	10.62	6.25
MAX110ACPE-ND	2-Channel, ±14-Bit Serial ADC	16-Dip	18.21	13.74	8.81
MAX110BCPE-ND	2-Channel, ±14-Bit Serial ADC	16-Dip	13.97	10.54	6.77
MAX110BCWE+-ND	2-Channel, ±14-Bit Serial ADC*	16-SOIC	13.97	10.54	6.77
MAX117CPI-ND	3V, 8-Channel, 8-Bit Parallel Output ADC	28-Dip	10.97	8.28	5.32
MAX118CPI-ND	5V, 8-Channel, 8-Bit Parallel Output ADC	28-Dip	10.55	7.96	5.10
MAX120CNG-ND	500KSPS, 12-Bit ADC with Track/Hold and Reference	24-Dip	44.04	33.24	21.31
MAX120CNG+-ND	500KSPS, 12-Bit ADC with Track/Hold and Reference*	24-Dip	44.04	33.24	21.31
MAX121CPE-ND	308KSPS ADC with DSP 78dB Interface/Serial ADC	16-Dip	34.95	26.38	16.92
MAX121CPE+-ND	308KSPS ADC with DSP 78dB Interface/Serial ADC* **NEW!**	16-Dip	34.95	26.38	15.83
MAX121CWE+-ND	308KSPS ADC with DSP 78dB Interface/Serial ADC*	16-SOIC	34.95	26.38	16.92
MAX132CNG+-ND	ADC with Serial Interface*	24-Dip	22.00	16.60	10.65
MAX132CWG-ND	ADC with Serial Interface	24-SOIC	22.00	16.60	10.65
MAX132CWG+-ND	ADC with Serial Interface*	24-SOIC	22.00	16.60	10.65
MAX133CPL-ND	3-3/4 Digit DMM Circuit	40-Dip	24.62	18.58	11.91
MAX135EWI+-ND	16-Bit Low Power ADC with Parallel Interface* **NEW!**	28-Dip	22.00	16.60	10.66
MAX136CWI+-ND	15-Bit Low Power ADC with Parallel Interface*	28-SOIC	22.00	16.60	10.65
MAX138CPL-ND	3-1/2 Digit ADC with Bandgap Ref. and Charge Pump Volt Converter and LCD Driver	40-Dip	21.28	16.06	10.30
MAX138CPL+-ND	3-1/2 Digit ADC with Bandgap Ref. and Charge Pump Volt Converter and LCD Driver* **NEW!**	40-Dip	21.28	16.06	10.72
MAX146ACAP-ND	2.7-3.6V, Low Power 12-Bit, 8-Channel Serial ADC	20-SSOP	25.12	18.96	11.16
MAX146ACAP+-ND	2.7-3.6V, Low Power 12-Bit, 8-Channel Serial ADC*	20-SSOP	25.12	18.96	11.15
MAX146BEAP-ND	2.7-3.6V, Low Power 12-Bit, 8-Channel Serial ADC	20-SSOP	25.12	18.96	11.15
MAX146BEAP+-ND	2.7-3.6V, Low Power 12-Bit, 8-Channel Serial ADC*	20-SSOP	25.12	18.96	11.15
MAX147BCAP+-ND	2.7V Low Power 12-Bit 8-Channel Serial ADC*	20-SSOP	15.37	11.60	7.44
MAX147BCPP-ND	2.7V Low Power 12-Bit 8-Channel Serial ADC	20-Dip	15.37	11.60	7.44
MAX147BCPP+-ND	2.7V Low Power 12-Bit 8-Channel Serial ADC* **NEW!**	20-Dip	15.37	11.60	7.44
MAX148BCAP-ND	2.7V Low Power 10-Bit 8-Channel Serial ADC	20-SSOP	8.82	6.66	4.27
MAX148BCAP+-ND	2.7V Low Power 10-Bit 8-Channel Serial ADC*	20-SSOP	8.82	6.66	4.27
MAX148BCPP-ND	2.7V Low Power 10-Bit 8-Channel Serial ADC	20-Dip	9.62	7.26	4.65
MAX148BCPP+-ND	2.7V Low Power 10-Bit 8-Channel Serial ADC* **NEW!**	20-Dip	9.62	7.26	4.84
MAX153CPP+-ND	1MSPS, µP-Compatible, 8-Bit ADC with Power Down*	20-Dip	18.26	13.76	8.84
MAX154ACNG-ND	4-Channel ADC with Track and Hold	24-Dip	35.75	26.98	17.30
MAX154BCNG-ND	4-Channel ADC with Track and Hold	24-Dip	25.86	19.52	12.52
MAX158ACPI-ND	8-Channel ADC with Track and Hold	28-Dip	37.02	27.94	17.92
MAX158ACWI-ND	8-Channel ADC with Track and Hold	28-SOIC	37.02	27.94	17.92
MAX158BCPI-ND	8-Channel ADC with Track and Hold	28-Dip	27.11	20.46	13.12
MAX158BCWI-ND	8-Channel ADC with Track and Hold	28-SOIC	27.11	20.46	13.12
MAX165ACPN-ND	CMOS µP Compatible 5µS 8-Bit ADC	18-Dip	14.60	11.02	7.07
MAX165BCPN-ND	CMOS µP Compatible 5µS 8-Bit ADC with Track Hold and Reference	18-Dip	11.24	8.48	5.44
MAX165BCPN+-ND	CMOS µP Compatible 5µS 8-Bit ADC with Track Hold and Reference* **NEW!**	18-Dip	11.24	8.48	5.44
MAX165BCWN-ND	CMOS µP Compatible 5µS 8-Bit ADC	18-SOIC	11.24	8.48	5.44
MAX166BCPP-ND	Diff. Input, 5µS, 8-Bit ADC with Track Hold and Reference	20-Dip	11.98	9.04	5.80
MAX172BCNG-ND	Complete 10µS CMOS 12-Bit ADC	24-Dip	29.71	22.42	14.38
MAX172BCNG+-ND	Complete 10µS CMOS 12-Bit ADC*	24-Dip	29.71	22.42	14.38
MAX174BCPI-ND	12-Bit ADC with Reference	28-Dip	87.05	65.70	46.94
MAX174CPI+-ND	12-Bit ADC with Reference* **NEW!**	28-Dip	87.05	65.70	38.84
MAX176BCPA-ND	Serial Output, 12-Bit 250KSPS ADC	8-Dip	36.31	27.40	17.57
MAX176BCPA+-ND	Serial Output, 12-Bit 250KSPS ADC*	8-Dip	36.31	27.40	17.57
MAX180ACQH+D-ND	8-Channel 12-Bit Data Acquisition System* **NEW!**	44-PLCC	60.76	45.86	28.67
MAX180BCPL-ND	8-Channel 12-Bit Data Acquisition System	40-Dip	53.77	40.58	26.02
MAX180BCPL+-ND	8-Channel 12-Bit Data Acquisition System* **NEW!**	40-Dip	53.77	40.58	23.88
MAX186BCPP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-Dip	35.75	26.98	17.30
MAX186BCPP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-Dip	35.75	26.98	17.30
MAX186BEAP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-SSOP	48.81	36.84	29.26
MAX186BCWP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-SOIC	35.75	26.98	17.30
MAX186BCWP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-SOIC	35.75	26.98	17.30
MAX186CCPP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-Dip	23.59	17.80	11.41
MAX186CDPP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-Dip	23.59	17.80	11.41
MAX186DCWP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-SOIC	23.59	17.80	11.41
MAX187BCPA-ND	Low Power 12-Bit Serial ADC with Track and Hold	8-Dip	21.76	16.42	10.53
MAX187BCPA+-ND	Low Power 12-Bit Serial ADC with Track and Hold* **NEW!**	8-Dip	21.76	16.42	10.95
MAX187BCWE+-ND	Low Power 12-Bit Serial ADC with Track and Hold*	16-SOIC	21.76	16.42	10.53
MAX188BCPP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-Dip	32.70	24.68	15.82
MAX188BCPP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-Dip	32.70	24.68	15.82
MAX188BCWP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-SOIC	32.70	24.68	15.82
MAX188DCPP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-Dip	22.26	16.80	10.78
MAX188DCPP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-Dip	22.26	16.80	10.78
MAX188DCWP-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference	20-SOIC	22.26	16.80	10.78
MAX188DCWP+-ND	Low Power 8-Ch. Serial 12-Bit ADC with Reference*	20-SOIC	22.26	16.80	10.78
MAX189CCPA-ND	5V Low Power 12-Bit Serial A/D Converter	8-Dip	18.31	13.82	8.86
MAX189CCPA+-ND	5V Low Power 12-Bit Serial A/D Converter*	8-Dip	18.31	13.82	8.86
MAX191BCNG+-ND	LP, 12-Bit ADC with Reference* **NEW!**	24-Dip	26.42	19.94	11.73
MAX191BCWG+-ND	LP, 12-Bit Sampling ADC with Internal Ref./Power Down*	24-SOIC	26.42	19.94	12.79

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX192BCPP-ND	Low Power 8-Channel 10-Bit, 133KHz ADC	20-Dip	16.96	12.80	8.20
MAX192BCWP+-ND	Low Power 8-Channel 10-Bit, 133KHz ADC*	20-SOIC	16.96	12.80	8.20
MAX194BCWE+-ND	14-Bit, 85KSPS ADC with 10µA Shutdown* **NEW!**	16-SOIC	40.31	30.42	19.50
MAX195BCPE-ND	16-Bit, 85KSPS ADC with 10µA Shutdown	16-Dip	74.28	56.06	35.94
MAX195BCPE+-ND	16-Bit, 85KSPS ADC with 10µA Shutdown*	16-Dip	74.28	56.06	35.94
MAX195BCWE-ND	16-Bit, 85KSPS ADC with 10µA Shutdown	16-SOIC	74.28	56.06	35.94
MAX195BCWE+-ND	16-Bit, 85KSPS ADC with 10µA Shutdown* **NEW!**	16-SOIC	74.28	56.06	35.94
MAX195BEWE+-ND	16-Bit, 85KSPS ADC with 10µA Shutdown*	16-SOIC	96.57	72.88	42.86
MAX196BCAI-ND	6-Channel Multi-Range 12-Bit ADC Parallel Interface	28-SSOP	31.08	23.46	15.05
MAX196BCAI+-ND	6-Channel Multi-Range 12-Bit ADC Parallel Interface* **NEW!**	28-SSOP	31.08	23.46	13.80
MAX196BCNI-ND	6-Channel Multi-Range 12-Bit ADC Parallel Interface	28-Dip	29.92	22.58	14.47
MAX196BCNI+-ND	6-Channel Multi-Range 12-Bit ADC Parallel Interface* **NEW!**	28-Dip	29.92	22.58	14.47
MAX197ACWI+-ND	8-Channel Multi-Range 12-Bit DAS Parallel Interface*	28-SOIC	38.85	29.32	17.60
MAX197BCAI+-ND	8-Channel Multi-Range 12-Bit DAS Parallel Interface*	28-SSOP	31.08	23.46	15.05
MAX197BCNI+-ND	8-Channel Multi-Range 12-Bit DAS Parallel Interface*	28-Dip	29.92	22.58	14.47
MAX200CPP-ND	+5V Powered, Five RS-232 Trans. with Power Shutdown and .1µF External Capacitors	20-Dip	8.24	6.22	3.99
MAX201CPD-ND	+5V/+9V to +13.2V, Dual RS-232 Transceiver with .1µF External Capacitors	14-Dip	3.31	2.50	1.60
MAX201CWE+-ND	+5V/+9V to +13.2V, Dual RS-232 Transceiver with .1µF External Capacitors*	16-SOIC	3.31	2.50	1.60
MAX202CPE+-ND	+5V Dual RS-232 Transceiver with .1µF External Capacitors*	16-Dip	3.31	2.50	1.60
MAX202CSE+-ND	+5V Dual RS-232 Transceiver with .1µF External Capacitors*	16-SOIC	3.31	2.50	1.60
MAX202CWE+-ND	+5V Dual RS-232 Transceiver with .1µF External Capacitors*	16-SOIC	3.31	2.50	1.60
MAX202ECPE+-ND	+5V RS-232 Transceiver, ESD Protected*	16-Dip	4.19	3.16	2.02
MAX202ECSE+-ND	+5V RS-232 Transceiver, ESD Protected*	16-SOIC	4.19	3.16	2.02
MAX202ECWE+-ND	+5V RS-232 Transceiver, ESD Protected*	16-SOIC	4.19	3.16	2.02
MAX202EESE+-ND	+5V RS-232 Transceiver, ESD Protected*	16-SOIC	5.41	4.08	2.62
MAX202ESE+-ND	+5V Dual RS-232 Transceiver with .1µF External Caps*	16-SOIC	3.98	3.00	1.92
MAX203CPP-ND	+5V Powered, Dual RS-232 Transceiver	20-Dip	7.45	5.62	3.60
MAX203CPP+G36-ND	+5V Powered, Dual RS-232 Transceiver* **NEW!**	20-Dip	7.45	5.62	3.61
MAX203CWP-ND	+5V Powered, Dual RS-232 Transceiver	20-SOIC	7.45	5.62	3.60
MAX203CWP+G36-ND	+5V Powered, Dual RS-232 Transceiver* **NEW!**	20-SOIC	7.45	5.62	3.61
MAX203ECWP-ND	+5V RS-232 Transceiver, ESD Protected	20-SOIC	8.14	6.14	3.93
MAX203ECWP+G36-ND	+5V RS-232 Transceiver, ESD Protected* **NEW!**	20-SOIC	8.14	6.14	3.69
MAX203EEWP+G36-ND	+5V RS-232 Transceiver, ESD Protected* **NEW!**	20-SOIC	11.61	8.76	5.16
MAX204CPE-ND	+5V Dual RS-232 Transceiver with .1µF External Capacitors	16-Dip	5.88	4.44	2.85
MAX204CPE+-ND	+5V Dual RS-232 Transceiver with .1µF External Capacitors*	16-Dip	5.88	4.44	2.85
MAX205CPG+G36-ND	+5V Powered, 5-Channel RS-232 Transceiver* **NEW!**	24-Dip	16.38	12.36	7.92
MAX206CNG-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/3 Receivers	24-Dip	7.55	5.70	3.65
MAX206CWG-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/3 Receivers	24-SOIC	7.55	5.70	3.65
MAX206CWG+-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/3 Receivers*	24-SOIC	7.55	5.70	3.65
MAX207CNG-ND	5V RS-232 Transceiver with .1µF External Caps, 5 Drivers/3 Receivers	24-Dip	7.55	5.70	3.65
MAX207CNG+-ND	5V RS-232 Transceiver with .1µF External Caps, 5 Drivers/3 Receivers*	24-Dip	7.55	5.70	3.65
MAX207CWG+-ND	5V RS-232 Transceiver with .1µF External Caps, 5 Drivers/3 Receivers*	24-SOIC	7.55	5.70	3.65
MAX208CAG+-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/4 Receivers*	24-SSOP	7.95	6.00	3.85
MAX208CNG+-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/4 Receivers*	24-Dip	7.55	5.70	3.65
MAX208CWG+-ND	5V RS-232 Transceiver with .1µF External Caps, 4 Drivers/4 Receivers*	24-SOIC	7.55	5.70	3.65
MAX209CNG-ND	+5V and +12V Powered, 3 RS-232 Transmitters and 5 RS-232 Receivers with Receiver Enable and .1µF External Caps	24-Dip	7.55	5.70	3.65
MAX209CWG-ND	+5V and +12V Powered, 3 RS-232 Transmitters and 5 RS-232 Receivers with Receiver Enable and .1µF External Caps	24-SOIC	7.55	5.70	3.65
MAX211CAI+-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers with .1µF External Caps,*	28-SSOP	7.95	6.00	3.85
MAX211CWI-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers with .1µF External Caps	28-SOIC	7.55	5.70	3.65
MAX211CWI+-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers with .1µF External Caps.*	28-SOIC	7.55	5.70	3.65
MAX211EAI+-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers with..1µF Ext. Caps., 15Kv ESD*	28-SSOP	9.17	6.92	4.43
MAX213CWI-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers (2 active in shutdown) with 0.1µF External Caps	28-SOIC	7.55	5.70	3.65
MAX213CWI+-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers (2 active in shutdown) with 0.1µF External Caps.*	28-SOIC	7.55	5.70	3.65
MAX213EAI+-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers (2 Active in Shutdown) with 0.1µF External Caps*	28-SSOP	11.45	8.64	6.65
MAX214CWI+-ND	Programmable DTE/DCE, 5V RS-232 Transceiver*	28-SOIC	9.06	6.84	4.39
MAX218CPP-ND	1.8V - 4.25V Powered True RS-232 Dual Transceiver	20-Dip	4.74	3.58	2.30
MAX218CPP+-ND	1.8V - 4.25V Powered True RS-232 Dual Transceiver* **NEW!**	20-Dip	4.74	3.58	2.56
MAX218CWP-ND	1.8V - 4.25V Powered True RS-232 Dual Transceiver	20-SOIC	4.74	3.58	2.30
MAX222CPN+-ND	5V High Speed RS-232 Driver Receiver with Shutdown*	18-Dip	4.88	3.68	2.45
MAX222CWN+-ND	5V High Speed RS-232 Driver Receiver with Shutdown*	18-SOIC	4.88	3.68	2.45
MAX222EWN+-ND	5V High Speed RS-232 Driver Receiver with Shutdown*	18-SOIC	5.83	4.40	2.93
MAX223CWI-ND	+5V Powered, 4 RS-232 Transmitters and 5 RS-232 Receivers (2 Active in Shutdown)	28-SOIC	8.24	6.22	3.99
MAX225CWI+-ND	+5V Multichannel RS-232 Driver/Receiver* **NEW!**	28-SOIC	18.97	14.32	8.42
MAX230CPP-ND	+5V Powered, 5 RS-232 Transmitters with Power Shutdown	20-Dip	8.24	6.22	3.99
MAX230CWP-ND	+5V Powered, 5 RS-232 Transmitters with Power Shutdown	20-SOIC	7.55	5.70	3.65
MAX231CPD+-ND	+5V and +12V Powered Dual RS-232 Transmitters/Receivers*	14-Dip	3.31	2.50	1.60
MAX232ACPE+-ND	+5V Powered, HS Dual RS-232 Transmitters and Receivers*	16-Dip	5.51	4.16	2.77
MAX232ACSE+-ND	+5V Powered, HS Dual RS-232 Transmitters and Receivers*	16-SOIC	5.51	4.16	2.77

* RoHS Compliant

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX603ESA+ND	5V or Adj., LDO, Low IQ, 500mA Linear Regulator*	8-SOIC	6.07	4.58	2.69
MAX604CSA-ND	Adjustable Low Dropout Regulator	8-SOIC	4.77	3.60	2.12
MAX604CSA+ND	Adjustable Low Dropout Regulator*	8-SOIC	4.77	3.60	2.12
MAX604ESA-ND	Adjustable Low Dropout Regulator	8-SOIC	6.07	4.58	2.69
MAX604ESA+ND	Adjustable Low Dropout Regulator*	8-SOIC	6.07	4.58	2.69
MAX619CSA-ND	Regulated 5V Charge-Pump DC/DC Converter	8-SOIC	4.45	3.36	1.97
MAX619CSA+ND	Regulated 5V Charge-Pump DC/DC Converter*	8-SOIC	4.45	3.36	1.97
MAX619ESA+ND	Regulated 5V Charge-Pump DC/DC Converter*	8-SOIC	6.02	4.54	2.66
MAX627CSA+ND	Dual Non-Inverting Power MOSFET Driver*	8-SOIC	3.87	2.92	1.95
MAX629ESA+ND	High Voltage, Boost or Inverting DC/DC Converter*	8-SOIC	7.37	5.56	3.26
MAX630CSA-ND	CMOS Step Up Switching Regulator	8-SOIC	7.95	6.00	3.84
MAX630CSA+ND	CMOS Step Up Switching Regulator*	8-SOIC	7.95	6.00	3.84
MAX631ACPA-ND	+5V/Adjustable Output CMOS Step-Up Switching Regulator	8-Dip	6.86	5.18	3.32
MAX631ACSA-ND	+5V/Adjustable Output CMOS Step-Up Switching Regulator	8-SOIC	7.10	5.36	3.44
MAX631ACSA+ND	+5V/Adj. Output CMOS Step-Up Switching Regulator*	8-SOIC	7.10	5.36	3.44
MAX632ACPA-ND	+12V/Adjustable Output CMOS Step-Up Switching Regulator	8-Dip	6.86	5.18	3.32
MAX632ACSA-ND	+12V/Adjustable Output CMOS Step-Up Switching Regulator	8-SOIC	7.10	5.36	3.44
MAX634CPA-ND	CMOS Micropower Inverting Switching Regulator	8-Dip	6.52	4.92	3.16
MAX634CSA-ND	CMOS Micropower Inverting Switching Regulator	8-Dip	6.52	4.92	3.16
MAX634CSA+ND	CMOS Micropower Inverting Switching Regulator*	8-SOIC	7.18	5.42	3.48
MAX635ACPA+ND	-5V/Adj. Output CMOS Inverting Switching Regulator*	8-Dip	6.86	5.18	3.32
MAX635ACSA+ND	-5V/Adj. Output CMOS Inverting Switching Regulator*	8-SOIC	7.10	5.36	3.44
MAX636ACSA+ND	-12V/Adj. Output CMOS Inverting Switching Regulator*	8-SOIC	7.10	5.36	3.44
MAX637ACPA-ND	-15V/Adj. Output CMOS Inverting Switching Regulator	8-Dip	6.86	5.18	3.32
MAX637ACPA+ND	-15V/Adj. Output CMOS Inverting Switching Regulator* **NEW!**	8-Dip	6.86	5.18	3.32
MAX637ACSA-ND	-15V/Adj. Output CMOS Inverting Switching Regulator*	8-SOIC	7.10	5.36	3.44
MAX638ACPA-ND	5V Adj. Output CMOS Step Down Switching Regulator*	8-Dip	6.86	5.18	3.32
MAX638ACSA+ND	5V Adj. Output CMOS Step Down Switching Regulator*	8-SOIC	7.10	5.36	3.44
MAX641ACSA+ND	Fixed Output 10W CMOS Step-Up Switching Reg.*	8-SOIC	7.10	5.36	3.15
MAX660CPA+ND	100mA CMOS Monolithic Voltage Converter*	8-Dip	6.94	5.24	3.50
MAX660CSA+ND	100mA CMOS Monolithic Voltage Converter*	8-SOIC	7.29	5.50	3.68
MAX662ACPA+ND	12V Supply for Flash Memory*	8-Dip	4.80	3.62	2.32
MAX662ACSA+ND	12V Supply for Flash Memory*	8-SOIC	4.90	3.70	2.37
MAX663CPA+ND	CMOS +5V/Adj. Micropower Positive Voltage Reg. * **NEW!**	8-Dip	4.21	3.18	2.03
MAX663CSA-ND	CMOS +5V/Adj. Micropower Positive Voltage Reg.	8-SOIC	4.64	3.50	2.24
MAX663CSA+ND	CMOS +5V/Adj. Micropower Positive Voltage Reg.*	8-SOIC	4.64	3.50	2.24
MAX664CSA-ND	Dual Mode™ 5V/Prog. Micropower Voltage Reg.	8-SOIC	5.64	4.26	2.74
MAX664CSA+ND	Dual Mode™ 5V/Prog. Micropower Voltage Reg.*	8-SOIC	5.64	4.26	2.73
MAX665CPA-ND	CMOS +8V/Switched-Capacitor Voltage Converter	8-Dip	9.94	7.50	4.81
MAX665CPA+ND	CMOS +8V/Switched-Capacitor Voltage Converter*	8-Dip	9.94	7.50	4.81
MAX666CPA+ND	CMOS +5V/Adj. Volt. Reg. with Low Battery Detector* **NEW!**	8-Dip	4.88	3.68	2.36
MAX666CSA-ND	CMOS +5V/Adj. Volt. Reg. with Low Battery Detector	8-SOIC	5.35	4.04	2.59
MAX666CSA+ND	CMOS +5V/Adj. Volt. Reg. with Low Battery Detector*	8-SOIC	5.35	4.04	2.59
MAX666ESA+ND	CMOS +5V/Adj. Volt. Reg. with Low Battery Detector*	8-SOIC	8.32	6.28	4.02
MAX667CPA+ND	+5V/Programmable Low Dropout Voltage Regulator*	8-Dip	5.49	4.14	2.76
MAX667CSA+ND	+5V/Programmable Low Dropout Voltage Regulator*	8-SOIC	5.72	4.32	2.88
MAX667EPA-ND	+5V/Programmable Low Dropout Voltage Regulator	8-Dip	7.13	5.38	3.59
MAX667EPA+ND	+5V/Programmable Low Dropout Voltage Regulator*	8-Dip	7.13	5.38	3.59
MAX667ESA+ND	+5V/Programmable Low Dropout Voltage Regulator*	8-SOIC	7.39	5.58	3.72
MAX668EUB-ND	1.8V to 28V Input, PWM Step-Up Controller	10-µMAX	6.43	4.10	2.46
MAX668EUB+ND	1.8V to 28V Input, PWM Step-Up Controller*	10-µMAX	5.43	4.10	2.46
MAX680CPA+ND	+5V to ±10V Voltage Converter*	8-Dip	4.48	3.38	2.17
MAX680CSA+ND	+5V to ±10V Voltage Converter*	8-SOIC	4.90	3.70	2.38
MAX687CSA-ND	3.3V High Accuracy Low Dropout Reg. with Auto Shutdown	8-SOIC	4.35	3.28	2.10
MAX688CSA-ND	3.3V High Accuracy Low Dropout Regulator	8-SOIC	4.35	3.28	2.10
MAX690ACPA-ND	Microprocessor WDT Reset Circuit	8-Dip	6.94	5.24	3.36
MAX690ACPA+ND	Microprocessor WDT Reset Circuit*	8-Dip	6.94	5.24	3.36
MAX690ACSA+ND	Microprocessor WDT Reset Circuit*	8-SOIC	7.29	5.50	3.53
MAX690AESA+ND	Microprocessor WDT Reset Circuit*	8-SOIC	10.20	7.70	5.78
MAX690CPA+ND	Microprocessor WDT Reset Circuit*	8-Dip	7.23	5.46	3.50
MAX690EPA+ND	Microprocessor WDT Reset Circuit*	8-Dip	10.49	7.92	5.08
MAX691ACPE+ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS*	16-Dip	7.84	5.92	3.80
MAX691ACWE+ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS*	16-SOIC	8.24	6.22	4.79
MAX691CPE-ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS	16-Dip	7.84	5.92	3.67
MAX691CPE+ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS*	16-Dip	7.84	5.92	3.80
MAX691CWE+ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS*	16-SOIC	8.64	6.52	4.18
MAX691EWE-ND	Microprocessor WDT Battery Switchover/Reset Gen., 200nS	16-SOIC	12.53	9.46	6.06
MAX692ACPA-ND	Microprocessor Supervisory Circuit	8-Dip	6.94	5.24	3.36
MAX692ACPA+ND	Microprocessor Supervisory Circuit*	8-Dip	6.94	5.24	3.36
MAX692ACSA+ND	Microprocessor Supervisory Circuit*	8-SOIC	7.29	5.50	3.53
MAX692CPA+ND	Microprocessor Supervisory Circuit*	8-Dip	7.23	5.46	3.50
MAX693ACPE-ND	Microprocessor Supervisory Circuit	16-Dip	7.84	5.92	3.80
MAX693ACPE+ND	Microprocessor Supervisory Circuit*	16-Dip	7.84	5.92	3.80
MAX693CPE-ND	Microprocessor Supervisory Circuit	16-Dip	7.84	5.92	3.80
MAX693CPE+ND	Microprocessor Supervisory Circuit*	16-Dip	7.84	5.92	3.80
MAX693CWE-ND	Microprocessor Supervisory Circuit	16-SOIC	8.64	6.52	4.18
MAX694CPA-ND	Microprocessor WDT/Battery Switchover/ Reset Gen., Min. Reset Pulse Width, 140ms	8-Dip	7.23	5.46	3.50
MAX694CPA+ND	Microprocessor WDT/Battery Switchover/ Reset Gen., Min. Reset Pulse Width, 140ms*	8-Dip	7.23	5.46	3.50
MAX695CPE+ND	Microprocessor WDT/Battery Switchover/Reset Gen.*	16-Dip	7.84	5.92	3.80
MAX695CWE+ND	Microprocessor WDT/Battery Switchover/Reset Gen.*	16-SOIC	8.64	6.52	4.18
MAX696CPE-ND	Microprocessor Supervise Circuit with Battery Switchover	16-Dip	7.84	5.92	3.78
MAX699CPA+ND	Low Cost Power-On Reset and WDT Controller*	8-Dip	4.93	3.72	2.38
MAX699CWE-ND	Low Cost Power-On Reset and WDT Controller	16-SOIC	5.33	4.02	2.58
MAX700CSA-ND	Adj.-Threshold Power-Supply Monitor with Reset	8-SOIC	5.19	3.92	2.62
MAX700CSA+ND	Adj.-Threshold Power-Supply Monitor with Reset*	8-SOIC	5.19	3.92	2.62
MAX701CPA+ND	Power Supply Monitor with Reset* **NEW!**	8-Dip	4.72	3.56	2.37
MAX701CSA+ND	Power Supply Monitor with Reset*	8-SOIC	4.72	3.56	2.37
MAX701ESA+ND	Power Supply Monitor with Reset*	8-SOIC	6.12	4.62	3.08
MAX703CPA+ND	Low Cost, Microprocessor Supervisory Circuit with Battery Backup, 4.65V Reset*	8-Dip	6.10	4.60	2.95
MAX703CSA+ND	Low Cost, Microprocessor Supervisory Circuit with Battery Backup, 4.65V Reset*	8-SOIC	6.10	4.60	2.95
MAX704CPA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, 4.4V Reset*	8-Dip	6.10	4.60	2.95
MAX704CSA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, 4.4V Reset*	8-SOIC	6.10	4.60	2.95

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX704CSA-ND	Low Cost, µP Supervisory Circuit with Battery Backup, 4.4V Reset	8-SOIC	6.10	4.60	2.95
MAX704CSA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, 4.4V Reset*	8-SOIC	6.10	4.60	2.95
MAX704ESA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, 4.4V Reset*	8-SOIC	7.92	6.53	5.18
MAX705CPA-ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset	8-Dip	5.46	4.12	2.64
MAX705CPA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset*	8-Dip	5.46	4.12	2.64
MAX705CSA-ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset	8-SOIC	5.46	4.12	2.64
MAX705CSA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset*	8-SOIC	5.46	4.12	2.64
MAX705ESA-ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset	8-SOIC	7.10	5.36	3.43
MAX705ESA+ND	Low Cost, µP Supervisory Circuit with Battery Backup, WDT Output, 4.65V Reset*	8-SOIC	7.10	5.36	3.43
MAX706CPA-ND	Microprocessor Supervisory Circuit	8-Dip	5.46	4.12	2.64
MAX706CPA+ND	Microprocessor Supervisory Circuit*	8-Dip	5.46	4.12	2.64
MAX706CSA+ND	Microprocessor Supervisory Circuit*	8-SOIC	5.46	4.12	2.64
MAX706SCPA-ND	Microprocessor Supervisory Circuit	8-Dip	5.91	4.46	2.86
MAX706SCSA+ND	Microprocessor Supervisory Circuit*	8-SOIC	5.91	4.46	2.86
MAX706PCSA-ND	Microprocessor Supervisory Circuit	8-SOIC	5.91	4.46	2.86
MAX707CPA+ND	Low-Cost, Microprocessor Supervisory Circuit, Active-High Reset, 4.65V Reset*	8-Dip	4.90	3.70	2.37
MAX707CSA+ND	Low-Cost, Microprocessor Supervisory Circuit, Active-High Reset, 4.65V Reset*	8-SOIC	4.90	3.70	2.37
MAX708CPA+ND	Low-Cost, Microprocessor Supervisory Circuit, Active-High Reset, 4.4V Reset*	8-Dip	4.90	3.70	2.37
MAX708CSA+ND	Low-Cost, Microprocessor Supervisory Circuit, Active-High Reset, 4.4V Reset*	8-SOIC	4.90	3.70	2.37
MAX709RCSA-ND	Power Supply Monitor, 2.63V Reset	8-SOIC	2.86	2.16	1.39
MAX709MCPA-ND	Power Supply Monitor, 4.40V Reset	8-Dip	2.65	2.00	1.28
MAX709LCPA-ND	Power Supply Monitor, 4.65V Reset	8-Dip	2.65	2.00	1.28
MAX709LCPA+ND	Power Supply Monitor, 4.65V Reset*	8-Dip	2.65	2.00	1.28
MAX709LCSA+ND	Power Supply Monitor, 4.65V Reset*	8-SOIC	2.86	2.16	1.39
MAX710ESE+-ND	3.3V or 5V Output Step Up/Down DC/DC Converter*	16-SOIC	7.61	5.74	3.38
MAX712CPE-ND	Battery Fast Charge Controller for NiMH	16-Dip	7.71	5.82	3.73
MAX712CPE+-ND	Battery Fast Charge Controller for NiMH* **NEW!**	16-Dip	7.71	5.82	3.88
MAX712CSE+-ND	Battery Fast Charge Controller for NiMH*	16-SOIC	8.08	6.10	3.92
MAX713CPE-ND	3-Out Battery Fast Charge Controller for NiCad/NiMH	16-Dip	7.71	5.82	3.73
MAX713CPE+-ND	3-Out Battery Fast Charge Controller for NiCad/NiMH* **NEW!**	16-Dip	7.71	5.82	3.88
MAX713CSE-ND	3-Out Battery Fast Charge Controller for NiCad/NiMH	16-SOIC	8.08	6.10	3.92
MAX713CSE+-ND	3-Out Battery Fast Charge Controller for NiCad/NiMH*	16-SOIC	8.08	6.10	3.92
MAX730ACSA+-ND	5V, Step Down, Current Mode PWM DC/DC Converter* **NEW!**	8-SOIC	5.57	4.20	2.69
MAX732CWE+-ND	+12V Step-Up Current Mode PWM Reg. for Flash Memory*	16-SOIC	6.84	5.16	3.31
MAX734CPA-ND	+12V, 120mA Supply for Flash Memory	8-Dip	5.01	3.78	2.42
MAX734CSA-ND	+12V, 120mA Supply for Flash Memory	8-SOIC	5.54	4.18	2.68
MAX734CSA+-ND	+12V, 120mA Supply for Flash Memory*	8-SOIC	5.54	4.18	2.68
MAX738ACWE+ND	5V, Step-Down, PWM, DC/DC Converter*	16-SOIC	6.70	5.06	2.98
MAX738ACWE+-ND	5V, Step-Down, PWM, DC/DC Converter*	16-SOIC	6.70	5.06	2.98
MAX749CPA+ND	Digitally Adjustable LCD Bias Supply*	8-Dip	6.49	4.90	3.14
MAX749CSA-ND	Digitally Adjustable LCD Bias Supply	8-SOIC	6.76	5.10	3.27
MAX749CSA+ND	Digitally Adjustable LCD Bias Supply*	8-SOIC	6.76	5.10	3.27
MAX750ACSA-ND	Adjustable Step-Down Current Mode PWM Regulator	8-SOIC	5.57	4.20	2.69
MAX750ACSA+-ND	Adjustable Step-Down Current Mode PWM Regulator* **NEW!**	8-SOIC	5.57	4.20	2.69
MAX751CPA-ND	+5V Step Up Current Mode PWM DC/DC Converter	8-Dip	5.51	4.16	2.67
MAX752CPA-ND	Adjustable Step-Up Current Mode PWM Regulator	8-Dip	7.37	5.56	3.57
MAX756CPA+-ND	High-Efficiency Step-Up DC/DC Converter* **NEW!**	8-Dip	4.80	3.62	2.14
MAX756CSA+-ND	High-Efficiency Step-Up DC/DC Converter*	8-SOIC	5.38	4.06	2.60
MAX758ACPA-ND	Adjustable Step-Down Current Mode PWM Regulator	8-Dip	6.41	4.84	3.10
MAX758ACPA+-ND	Adjustable Step-Down Current Mode PWM Regulator* **NEW!**	8-Dip	6.41	4.84	3.23
MAX759CPD-ND	Adjustable Inverting Current Mode PWM	14-Dip	6.78	5.12	3.27
MAX761CPA+ND	12V Adj. High-Efficiency Step-Up DC/DC Converter* **NEW!**	8-Dip	5.43	4.10	2.41
MAX761CSA+ND	12V Adj. High-Efficiency Step-Up DC/DC Converter*	8-SOIC	5.99	4.52	2.90
MAX761ESA+ND	12V Adj. High-Efficiency Step-Up DC/DC Converter*	8-SOIC	8.14	6.14	3.69
MAX762CSA+ND	15V, High-Efficiency, Low IQ, Step-Up DC/DC Converter*	8-SOIC	5.99	4.52	3.45
MAX764CSA-ND	High-Efficiency, Low IQ, DC/DC Inverter	8-SOIC	6.10	4.60	2.70
MAX764CSA+ND	High-Efficiency, Low IQ, DC/DC Inverter*	8-SOIC	6.10	4.60	2.70
MAX765CPA-ND	–12V or Adj., High-Efficiency, Low IQ DC/DC Inverter	8-Dip	5.99	4.52	2.90
MAX765ESA+-ND	–12V or Adj., High-Efficiency, Low IQ DC/DC Inverter*	8-SOIC	8.80	6.64	3.91
MAX766CPA-ND	–15V DC/DC Inverter	8-Dip	5.99	4.52	2.90
MAX766CPA+ND	–15V DC/DC Inverter*	8-Dip	5.99	4.52	2.90
MAX770CSA+ND	5V or Adj., High-Eff., Low IQ, Step-Up DC/DC Converter*	8-SOIC	4.85	3.66	2.59
MAX791CPE-ND	High Performance Microprocessor Supervisory Circuit	16-Dip	8.48	6.40	4.10
MAX791CPE+-ND	High Performance Microprocessor Supervisory Circuit*	16-Dip	8.48	6.40	4.10
MAX791CSE+ND	High Performance Microprocessor Supervisory Circuit*	16-SOIC	8.90	6.72	4.31
MAX793RCSE+ND	3V/3.3V Adj., Microprocessor Supervisory Circuit*	16-SOIC	8.56	6.83	4.55
MAX793TCSE+-ND	3V/3.3V Adj., Microprocessor Supervisory Circuit*	16-SOIC	8.56	6.46	3.79
MAX793TESE+-ND	3V/3.3V Adj., Microprocessor Supervisory Circuit*	16-SOIC	11.13	8.88	5.92
MAX797CSE+-ND	3.3V/5V or Adj., Step-Down Controller*	16-SOIC	9.41	7.10	4.55
MAX800LCPE-ND	µP Supervisory Circuit with 4.65V Reset, Chip Enable, WD	16-Dip	9.28	7.00	4.50
MAX809LEUR-TCT-ND	4.63V, Microprocessor Reset Circuit	SOT-23	2.12	1.60	1.40
MAX809LEUR-TTR-ND	4.63V, Microprocessor Reset Circuit	SOT-23		3200.00/2,500	
MAX809LEUR+TCT-ND	4.63V, Microprocessor Reset Circuit*	SOT-23	2.12	1.60	1.40
MAX809LEUR+TTR-ND	4.63V, Microprocessor Reset Circuit*	SOT-23		3200.00/2,500	
MAX811LEUS-TCT-ND	4.63V, Voltage Monitor	SOT-143-4	2.15	1.62	1.42
MAX811LEUS-TTR-ND	4.63V, Voltage Monitor	SOT-143-4		3240.00/2,500	
MAX811LEUS+TCT-ND	4.63V, Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX811LEUS+TTR-ND	4.63V, Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX811REUS-TCT-ND	2.63V, Voltage Monitor	SOT-143-4	2.15	1.62	1.42
MAX811REUS+TCT-ND	2.63V, Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX811REUS+TTR-ND	2.63V, Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX811SEUS+TCT-ND	2.93V, Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX811SEUS+TTR-ND	2.93V, Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX811TEUS-TCT-ND	3.08V, Voltage Monitor	SOT-143-4	2.15	1.62	1.42

★ RoHS Compliant

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX811TEUS+TCT-ND	3.08V, Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX811TEUS+TTR-ND	3.08V, Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX812SEUS+TCT-ND	2.93V, Microprocessor Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX812SEUS+TTR-ND	2.93V, Microprocessor Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX813LCPA+-ND	Low Cost Microprocessor Supervisor Circuit*	8-Dip	3.47	2.62	1.79
MAX813LCSA+-ND	Low Cost Microprocessor Supervisory Circuit*	8-SOIC	3.47	2.62	1.79
MAX823SEUK+TCT-ND	2.93V, Microprocessor Supervisory Circuit*	SOT-23-5	2.86	2.16	1.89
MAX823SEUK+TTR-ND	2.93V, Microprocessor Supervisory Circuit*	SOT-23-5		4320.00/2,500	
MAX824SEUK+TCT-ND	2.93V, Microprocessor Supervisory Circuit*	SOT-23-5	2.86	2.16	1.89
MAX824SEUK+TTR-ND	2.93V, Microprocessor Supervisory Circuit*	SOT-23-5		4320.00/2,500	
MAX825LEUK-TCT-ND	4.63V, Microprocessor Supervisory Circuit	SOT-23-5	2.76	2.08	1.82
MAX825LEUK-TTR-ND	4.63V, Microprocessor Supervisory Circuit	SOT-23-5		4160.00/2,500	
MAX825LEUK+TCT-ND	4.63V, Microprocessor Supervisory Circuit*	SOT-23-5	2.76	2.08	1.82
MAX825LEUK+TTR-ND	4.63V, Microprocessor Supervisory Circuit*	SOT-23-5		4160.00/2,500	
MAX837EUS-TCT-ND	4-Pin Micropower Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX837EUS+TCT-ND	4-Pin Micropower Voltage Monitor*	SOT-143-4	2.15	1.62	1.42
MAX837EUS+TTR-ND	4-Pin Micropower Voltage Monitor*	SOT-143-4		3240.00/2,500	
MAX845ESA+-ND	Isolated Transformer Driver for PCMCIA Applications*	8-SOIC	3.98	3.00	2.13
MAX845EUA+-ND	Isolated Transformer Driver for PCMCIA Applications*	8-µMAX	4.19	3.16	2.24
MAX856CSA-ND	3.3V/5V or Adj. Output, Step-Up DC/DC Converter	8-SOIC	4.13	3.12	1.83
MAX856CSA+-ND	3.3V/5V or Adj. Output, Step-Up DC/DC Converter*	8-SOIC	4.13	3.12	1.83
MAX860ISA+-ND	50mA, Freq. Selectable, Switched-Cap Voltage Converter*	8-SOIC	3.74	2.82	1.66
MAX865EUA-ND	Compact, Dual-Output Charge Pump	8-µMAX	3.60	2.72	1.94
MAX865EUA+-ND	Compact, Dual-Output Charge Pump*	8-µMAX	3.60	2.72	1.60
MAX873ESA-ND	2.5V, Low-Power, Low-Drift, Precision Voltage Reference	8-SOIC	13.86	10.46	6.15
MAX876BCPA-ND	Low-Power, Low-Drift, ±10V Precision Voltage Reference	8-Dip	7.39	5.58	3.58
MAX882CSA-ND	5V/3.3V Adjustable Low Dropout Linear Regulator	8-SOIC	4.11	3.10	1.83
MAX882CSA+-ND	5V/3.3V Adjustable Low Dropout Linear Regulator*	8-SOIC	4.11	3.10	1.83
MAX882ESA-ND	5V/3.3V Adjustable Low Dropout Linear Regulator	8-SOIC	5.22	3.94	2.53
MAX882ESA+-ND	5V/3.3V Adjustable Low Dropout Linear Regulator*	8-SOIC	5.22	3.94	2.53
MAX883CSA+-ND	5V or Adj., LDO, Low IQ, 200mA Linear Regulator*	8-SOIC	4.11	3.10	1.83
MAX892LEUA+-ND	Current-Limited, High-Side P-Channel Switch with Thermal Shutdown*	8-µMAX	3.42	2.58	1.81
MAX901BCSE-ND	Quad High Speed Low Power, Voltage Comp	16-SOIC	12.40	9.36	6.00
MAX901BCSE+-ND	Quad High Speed Low Power, Voltage Comp*	16-SOIC	12.40	9.36	6.00
MAX902CSD+-ND	Dual High Speed Low Power, Voltage Comp*	14-SOIC	10.26	7.74	4.97
MAX907CPA+-ND	Dual High Speed Ultra Low Power, Single +5V, TTL Comp*	8-Dip	4.27	3.22	2.07
MAX907CSA+-ND	Dual High Speed Ultra Low Power, Single +5V, TTL Comp*	8-SOIC	4.27	3.22	2.07
MAX908CPD+-ND	Quad High Speed Ultra Low Power, Single +5V, TTL Comparator*	14-Dip	7.42	5.60	3.60
MAX913CPA+-ND	Dual, Ultra-Fast, Low Power Precision TTL Comparator*	8-Dip	6.39	4.82	2.83
MAX913CSA+-ND	Dual, Ultra-Fast, Low Power Precision TTL Comparator*	8-SOIC	6.39	4.82	2.83
MAX913ESA+-ND	Dual, Ultra-Fast, Low Power Precision TTL Comparator*	8-SOIC	8.29	6.26	4.97
MAX921CSA-ND	Low Power Comparator with Reference	8-SOIC	3.98	3.00	1.92
MAX921CSA+-ND	Low Power Comparator with Reference*	8-SOIC	3.98	3.00	1.92
MAX923CSA-ND	Dual Ultra Low Power, Single Supply Comparator with 1% Precision with Reference	8-SOIC	4.88	3.68	2.37
MAX923CSA+-ND	Dual Ultra Low Power, Single Supply Comparator with 1% Precision with Reference*	8-SOIC	4.88	3.68	2.37
MAX924CSE-ND	Quad Ultra Low Power, Single Supply Comparator with 1% Precision with Reference	16-SOIC	5.64	4.26	2.74
MAX924CSE+-ND	Quad Ultra Low Power, Single Supply Comparator with 1% Precision with Reference*	16-SOIC	5.64	4.26	2.74
MAX931CPA+-ND	Ultra Low Power Comparator*	8-Dip	2.46	1.86	1.20
MAX932CSA-ND	Dual Ultra LP Single Supply Comparator with 2% Precision with Reference	8-SOIC	3.15	2.38	1.53
MAX932CSA+-ND	Dual Ultra LP Single Supply Comparator with 2% Precision with Reference*	8-SOIC	3.15	2.38	1.53
MAX934CSE+-ND	Quad Ultra LP Single Supply Comparator with 2% Precision with Reference*	16-SOIC	2.99	2.26	1.45
MAX941CSA+-ND	Single, 3V/5V, Single Supply, 75nS, Rail-to-Rail Input Comparator*	8-SOIC	3.45	2.60	1.68
MAX941EUA+-ND	Single, 3V/5V, Single Supply, 75nS, Rail-to-Rail Input Comparator*	8-µMAX	4.29	3.24	2.30
MAX942CSA+-ND	Dual, 3V/5V, Single Supply, 75nS, Rail-to-Rail Input Comparator*	8-SOIC	3.71	2.80	1.80
MAX942ESA+-ND	Dual, 3V/5V, Single Supply, 75nS, Rail-to-Rail Input Comparator*	8-SOIC	4.61	3.48	2.46
MAX944CSD+-ND	Quad, 3V/5V, Single Supply, 75nS, Rail-to-Rail Input Comparator*	14-SOIC	6.15	4.64	2.98
MAX961ESA+-ND	+3V/+5V, Beyond-the-Rails Comparator*	8-SOIC	6.63	5.00	2.94
MAX964EEE+-ND	Quad, Ultra HS, +3V/+5V, Beyond-the-Rails Comp.*	16-QSOP	15.13	11.42	6.72
MAX969EEE+-ND	Quad, Micropower, Ultra Low Voltage, Rail-to-Rail, In/Out Comparator*	16-QSOP	5.09	3.84	2.70
MAX971CSA-ND	Single, Ultra Low Power, Open-Output Comparator with 1% Accuracy	8-SOIC	3.95	2.98	1.91
MAX971CSA+-ND	Single, Ultra Low Power, Open-Output Comparator with 1% Accuracy*	8-SOIC	3.95	2.98	1.91
MAX975EUA+-ND	+3V/+5V Dual Speed Comparator with Auto Standby*	8-µMAX	5.17	3.90	2.50
MAX987EUK-TCT-ND	HS, Micropower, Low Voltage Rail-to-Rail In/Out Comparator	SOT-23-5	2.52	1.90	1.67
MAX987EUK-TTR-ND	HS, Micropower, Low Voltage Rail-to-Rail In/Out Comparator	SOT-23-5		3800.00/2,500	
MAX987EUK+TCT-ND	HS, Micropower, Low Voltage R/R In/Out Comparator*	SOT-23-5	2.52	1.90	1.67
MAX987EUK+TTR-ND	HS, Micropower, Low Voltage R/R In/Out Comparator*	SOT-23-5		3800.00/2,500	
MAX998EUT+TCT-ND	Single Supply, High Speed, Low Power Comparator*	SOT-23-6	6.44	4.86	4.26
MAX998EUT+TTR-ND	Single Supply, High Speed, Low Power Comparator*	SOT-23-6		9720.00/2,500	
MAX999EUK+TCT-ND	Single, Ultra High Speed, +3V/+5V, Beyond-the-Rails Comparator*	SOT-23-5	7.47	5.64	4.94
MAX999EUK+TTR-ND	Single, Ultra High Speed, +3V/+5V, Beyond-the-Rails Comparator*	SOT-23-5		11280.00/2,500	
MAX1044CPA+-ND	CMOS Switchcap Voltage Converter*	8-Dip	2.68	2.02	1.35
MAX1110CAP+-ND	2.7V, 8-Bit 8-Channel Serial ADC with Reference*	20-SSOP	5.91	4.46	2.87
MAX1110CPP-ND	2.7V, 8-Bit 8-Channel Serial ADC with Reference	20-Dip	5.91	4.46	2.87
MAX1202BCAP-ND	5V, 12-Bit 8-Channel Serial ADC with 3V Digital Interface	20-SSOP	20.11	15.18	9.74
MAX1202BCAP+-ND	5V, 12-Bit 8-Channel Serial ADC with 3V Digital Interface*	20-SSOP	20.11	15.18	9.74
MAX1202BCPP-ND	5V, 12-Bit 8-Channel Serial ADC with 3V Digital Interface	20-Dip	20.11	15.18	9.74
MAX1202BCPP+-ND	5V, 12-Bit 8-Channel Serial ADC with 3V Digital Interface* ***NEW!***	20-Dip	20.11	15.18	9.75
MAX1232CPA+-ND	Microprocessor Monitor*	8-Dip	3.52	2.66	1.82
MAX1232CSA+-ND	Microprocessor Monitor*	8-SOIC	3.52	2.66	1.82
MAX1232EPA+-ND	Microprocessor Monitor High Temperature*	8-Dip	4.40	3.32	2.28
MAX1232ESA+-ND	Microprocessor Monitor High Temperature*	8-SOIC	4.58	3.46	2.37
MAX1241ACSA-ND	2.7V Low Power 12-Bit Single Channel Serial ADC	8-SOIC	15.48	11.68	6.87

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX1241AESA+-ND	2.7V Low Power 12-Bit Single Channel Serial ADC	8-SOIC	18.55	14.00	8.24
MAX1241AESA+-ND	2.7V Low Power 12-Bit Single Channel Serial ADC*	8-SOIC	18.55	14.00	8.24
MAX1241BCPA+-ND	2.7V Low Power 12-Bit Single Channel Serial ADC*	8-Dip	12.91	9.74	6.24
MAX1241BCSA-ND	2.7V Low Power 12-Bit Single Channel Serial ADC	8-SOIC	12.91	9.74	6.24
MAX1241BCSA+-ND	2.7V Low Power 12-Bit Single Channel Serial ADC*	8-SOIC	12.91	9.74	6.24
MAX1243BCSA-ND	2.7V Low Power 10-Bit Single Channel Serial ADC	8-SOIC	7.76	5.86	3.76
MAX1243BCSA+-ND	2.7V Low Power 10-Bit Single Channel Serial ADC*	8-SOIC	7.76	5.86	3.76
MAX1247ACEE+-ND	2.7V Low Power 12-Bit, 4-Channel Serial ADC*	16-QSOP	22.87	17.26	10.15
MAX1247BEE-ND	2.7V Low Power 12-Bit, 4-Channel Serial ADC	16-QSOP	19.48	14.70	9.43
MAX1247BCEE+-ND	2.7V Low Power 12-Bit, 4-Channel Serial ADC*	16-QSOP	15.00	11.32	7.25
MAX1247BCPE-ND	2.7V Low Power 12-Bit, 4-Channel Serial ADC	16-Dip	15.00	11.32	7.25
MAX1247BCPE+-ND	2.7V Low Power 12-Bit, 4-Channel Serial ADC* ***NEW!***	16-Dip	15.00	11.32	7.25
MAX1249BCEE-ND	2.7V Low Power 10-Bit, 4-Channel Serial ADC	16-QSOP	11.21	8.46	5.43
MAX1249BCPE-ND	2.7V Low Power 10-Bit, 4-Channel Serial ADC	16-Dip	12.24	9.24	5.93
MAX1249BCPE+-ND	2.7V Low Power 10-Bit, 4-Channel Serial ADC*	16-Dip	12.24	9.24	5.93
MAX1270ACNG-ND	Multirange, +5V, 8-Channel Serial 12-Bit ADC	24-Dip	33.81	25.52	15.01
MAX1270ACNG+-ND	Multirange, +5V, 8-Channel Serial 12-Bit ADC* ***NEW!***	24-Dip	33.81	25.52	16.37
MAX1270BCAI+-ND	Multirange, +5V, 8-Channel Serial 12-Bit ADC*	28-SSOP	27.06	20.42	12.26
MAX1285BCSA+-ND	300KSPS, Single Supply, Low Power, Serial 12-Bit ADC*	8-SOIC	16.48	12.44	9.87
MAX1406CPE-ND	230KBPS, 3 Transmitters/3 Receivers, ESD Protected	16-Dip	3.07	2.32	1.36
MAX1406CPE+-ND	230KBPS, 3 Transmitters/3 Receivers, ESD Protected* ***NEW!***	16-Dip	3.07	2.32	1.36
MAX1406CWE-ND	230KBPS, 3 Transmitters/3 Receivers, ESD Protected	16-SOIC	3.07	2.32	1.36
MAX1406CWE+-ND	230KBPS, 3 Transmitters/3 Receivers, ESD Protected* ***NEW!***	16-SOIC	3.07	2.32	1.36
MAX1472AKA+TCT-ND	300MHz/450MHz Low Power, ASK Transmitter* ***NEW!***	SOT-23-8	3.13	2.57	2.04
MAX1472AKA+TTR-ND	300MHz/450MHz Low Power, ASK Transmitter* ***NEW!***	SOT-23-8		4720.00/2,500	
MAX1473EUI+-ND	315MHz/433MHz ASK Superheterodyne Receiver* ***NEW!***	28-TSSOP	5.46	4.12	2.64
MAX1479ATE+-ND	300MHz/450MHz LP, ASK/FSK Transmitter* ***NEW!***	16-TQFN-EP	3.15	2.38	1.53
MAX1480ACPI+-ND	Isolated RS-485/RS-422 Data Interface*	28-Dip	26.18	19.76	11.32
MAX1480BCPI+-ND	Isolated RS-485/RS-422 Data Interface*	28-Dip	25.02	18.86	11.80
MAX1480BEPI+-ND	Isolated RS-485/RS-422 Data Interface*	28-Dip	32.49	24.52	15.34
MAX1482CPD+-ND	Full Duplex, Slew Rate Ltd, Low Power RS-485 Transceiver* ***NEW!***	14-Dip	2.81	2.12	1.36
MAX1482CSD-ND	Full Duplex, Slew Rate Ltd, Low Power RS-485 Transceiver	14-SOIC	2.81	2.12	1.36
MAX1482CSD+-ND	Full Duplex, Slew Rate Ltd, Low Power RS-485 Transceiver*	14-SOIC	2.81	2.12	1.36
MAX1487CPA+-ND	2.5MBPS RS-485/RS-422 Transceiver*	8-Dip	2.81	2.12	1.36
MAX1487CSA+-ND	2.5MBPS RS-485/RS-422 Transceiver*	8-SOIC	2.81	2.12	1.36
MAX1487ECSA+-ND	2.5MBPS RS-485/RS-422 Transceiver, ESD Protected*	8-SOIC	3.42	2.58	1.99
MAX1488ECSD+-ND	RS-232 Quad Driver, ESD Protected*	14-SOIC	2.17	1.64	1.05
MAX1489ECSD+-ND	Quad, Low Power RS-232 Line Receiver, ESD Protected*	14-SOIC	2.17	1.64	1.26
MAX1490BCPG-ND	Complete, Isolated RS-485/RS-422 Data Interface	24-Dip	26.18	19.76	11.56
MAX1490ACPG+-ND	Complete, Isolated RS-485/RS-422 Data Interface*	24-Dip	26.18	19.76	11.56
MAX1490BCPG+-ND	Complete, Isolated RS-485/RS-422 Data Interface*	24-Dip	25.02	18.88	11.05
MAX1490BEPG-ND	Complete, Isolated RS-485/RS-422 Data Interface	24-Dip	32.52	24.54	14.36
MAX1490BEPG+-ND	Complete, Isolated RS-485/RS-422 Data Interface*	24-Dip	32.52	24.54	14.36
MAX1602EEE-ND	Single-Channel, CardBus and Power Switching Network	16-QSOP	5.78	4.36	2.57
MAX1615EUK+TCT-ND	High Voltage, Low Power Linear Regulator*	SOT-23-5	1.93	1.46	1.28
MAX1615EUK+TTR-ND	High Voltage, Low Power Linear Regulator*	SOT-23-5		2920.00/2,500	
MAX1617AMEE-ND	Remote/Local Temp. Sensor with SMBus Serial Interface	16-QSOP	10.12	7.64	4.49
MAX1617AMEE+-ND	Remote/Local Temp. Sensor with SMBus Serial Interface*	16-QSOP	10.12	7.64	4.49
MAX1617MEE+-ND	Remote/Local Temp. Sensor with SMBus Serial Interface*	16-QSOP	10.12	7.64	4.49
MAX1623EAP-ND	Sync. Rectification, Low Voltage, Step-Down Regulator	20-SSOP	11.74	8.86	5.20
MAX1623EAP+-ND	Sync. Rectification, Low Voltage, Step-Down Regulator*	20-SSOP	11.74	8.86	5.20
MAX1626ESA+-ND	3.3V/5V, High-Eff. Step-Down DC/DC Controller*	8-SOIC	4.61	3.48	2.06
MAX1627ESA+-ND	Adj., High-Eff. Step-Down DC/DC Controller*	8-SOIC	4.61	3.48	2.06
MAX1644EAE-ND	Sync. Rectification, Step-Down Regulator	16-SSOP	10.02	7.56	4.45
MAX1644EAE+-ND	Sync. Rectification, Step-Down Regulator*	16-SSOP	10.02	7.56	4.45
MAX1649CSA+-ND	5V, High-Eff. LDO Step-Down DC/DC Controller*	8-SOIC	4.96	3.74	2.19
MAX1649ESA-ND	5V, High-Eff., LDO Step-Down DC/DC Controller	8-SOIC	6.23	4.70	2.77
MAX1649ESA+-ND	5V, High-Eff. LDO Step-Down DC/DC Controller*	8-SOIC	6.23	4.70	2.77
MAX1655EEE+-ND	High-Eff., PWM Step-Down DC/DC Controller*	16-QSOP	9.54	7.20	4.24
MAX1659ESA-ND	Low Dropout Linear Regulator	8-SOIC	5.06	3.82	2.24
MAX1660EEE-ND	Digitally Controlled Fuel-Gauge Interface	16-QSOP	7.23	5.46	3.21
MAX1668MEE+-ND	Multi Channel Remote/Local Temperature Sensor*	16-QSOP	9.86	7.44	4.37
MAX1672EEE+-ND	Step-Up/Down DC/DC Converter*	16-QSOP	6.84	5.16	3.03
MAX1673ESA+-ND	Reg. 125mA Output, Charge-Pump DC/DC Inverter*	8-SOIC	5.33	4.02	2.36
MAX1674EUA+-ND	Compact, High-Eff., Step-Up DC/DC Converter*	8-µMAX	5.06	3.82	2.24
MAX1675EUA+-ND	Step-Up DC/DC Converter*	8-µMAX	5.06	3.82	2.24
MAX1676EUB+-ND	Compact, High-Eff., Step-Up DC/DC Converter*	10-µMAX	5.43	4.10	2.41
MAX1680ESA+-ND	125mA, Switched-Capacitor Voltage Converter*	8-SOIC	5.33	4.02	2.36
MAX1684EEE+-ND	300KHz, 14V Input, 1A, PWM Step-Down Converter*	16-QSOP	8.56	6.46	3.79
MAX1685EEE+-ND	600KHz, 14V Input, 1A, PWM Step-Down Converter*	16-QSOP	8.56	6.46	3.79
MAX1692EUB+-ND	Step-Down Regulator*	10-µMAX	6.31	4.76	2.80
MAX1709ESE-ND	4A, Low-Noise, High-Freq. Step-Up DC/DC Converter	16-SOIC	9.73	7.34	4.32
MAX1709ESE+-ND	4A, Low-Noise, High-Freq. Step-Up DC/DC Converter*	16-SOIC	9.73	7.34	4.32
MAX1715EEI+-ND	Ultra High Efficiency, Dual Step-Down Controller for Notebook Computers*	28-QSOP	8.11	6.12	4.23
MAX1724EZK33+TCT-ND	3.3V, Step-Up DC/DC Converter*	SOT-23-5	3.63	2.74	2.40
MAX1724EZK33+TTR-ND	3.3V, Step-Up DC/DC Converter*	SOT-23-5		5480.00/2,500	
MAX1724EZK50-TCT-ND	5V, Step-Up DC/DC Converter	SOT-23-5	3.63	2.74	2.40
MAX1724EZK50+TCT-ND	5V, Step-Up DC/DC Converter*	SOT-23-5	3.63	2.74	2.40
MAX1724EZK50+TTR-ND	5V, Step-Up DC/DC Converter*	SOT-23-5		5480.00/2,500	
MAX1737EEI+-ND	Stand-Alone Switch-Mode Lithium-Ion Battery Charger Controller*	28-QSOP	7.76	5.86	3.45
MAX1745EUB+-ND	High Voltage, Step-Down DC/DC Controller*	10-µMAX	7.50	5.66	3.99
MAX1758EAI-ND	Stand-Alone Switch-Mode Lithium-Ion Battery Charger with Internal 28V Switch	28-SSOP	9.59	7.24	4.26
MAX1758EAI+-ND	Stand-Alone Switch-Mode Lithium-Ion Battery Charger with Internal 28V Switch*	28-SSOP	9.59	7.24	4.26
MAX1759EUB+-ND	Buck/Boost Regulating Charge Pump*	10-µMAX	6.33	4.78	2.81
MAX1760EUB+-ND	0.8A, Low-Noise, 1MHz, Step-Up DC/DC Converter*	10-µMAX	6.97	5.26	3.09
MAX1771CPA-ND	12V or Adj. Out Step-Up DC/DC Converter 90% Efficient	8-Dip	4.45	3.36	2.15
MAX1771CPA+-ND	12V or Adj. Out Step-Up DC/DC Converter 90% Efficient* ***NEW!***	8-Dip	4.45	3.36	2.15
MAX1771CSA-ND	12V or Adj. Out Step-Up DC/DC Converter 90% Efficient	8-SOIC	4.88	3.68	2.45
MAX1771CSA+-ND	12V or Adj. Out Step-Up DC/DC Converter 90% Efficient*	8-SOIC	4.88	3.68	2.16
MAX1771ESA-ND	12V or Adj. Out Step-Up DC/DC Converter 90% Efficient	8-SOIC	6.65	5.02	2.95

** RoHS Compliant*

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX1771ESA+-ND	12V or Adj, Out Step-Up DC/DC Converter 90% Efficient*	8-SOIC	6.65	5.02	2.95
MAX1775EEE+-ND	Dual Output Step-Down DC/DC Converter*	16-QSOP	8.32	6.28	3.69
MAX1791EUB+-ND	High Efficiency, Step-Down Controller* ***NEW!***	10-µMAX	5.67	4.28	2.75
MAX1792EUA15-ND	1.5V or Adj, 500mA LDO Linear Regulator*	8-µMAX	3.18	2.40	1.41
MAX1792EUA15+-ND	1.5V or Adj., 500mA LDO Linear Regulator*	8-µMAX	3.18	2.40	1.41
MAX1797EUA+-ND	Low Supply Current, Step-Up DC/DC Converter*	8-µMAX	9.96	7.52	4.42
MAX1831EEE-ND	3A, 1MHz, Low-Voltage Step-Down Regulator	16-QSOP	11.29	8.52	5.01
MAX1831EEE+-ND	3A, 1MHz, Low-Voltage Step-Down Regulator*	16-QSOP	11.29	8.52	5.01
MAX1856EUB+-ND	Wide Input Range, Sync. PWM SLIC Power Supply*	10-µMAX	4.27	3.22	1.90
MAX3080ECSD+-ND	10Mbps, High Speed , Slew-Rate Limited RS-485/RS-422 Transceiver*	14-SOIC	3.45	2.60	1.84
MAX3082CPA-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver	8-Dip	2.99	2.26	1.33
MAX3082CPA+-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver*	8-Dip	2.99	2.26	1.33
MAX3082CSA+-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver*	8-SOIC	2.99	2.26	1.33
MAX3082ESA+-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver*	8-SOIC	3.74	2.82	1.66
MAX3086CSD-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver	14-SOIC	2.99	2.26	1.33
MAX3086CSD+-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver*	14-SOIC	2.99	2.26	1.33
MAX3088CSA+TCT-ND	10Mbps, High Speed, Slew-Rate Limited RS-485/RS-422 Transceiver*	8-SOIC	3.18	2.40	2.10
AX3094ECSE+-ND	10Mbps, 3V, LP Quad RS-422/RS-485 Receiver*	16-SOIC	3.02	2.28	1.34
AX3095CPE-ND	10Mbps, 5V, Quad RS-422/RS-485 Receiver, ESD Protected	16-Dip	3.02	2.28	1.34
AX3095CPE+-ND	10Mbps, 5V, Quad RS-422/RS-485 Receiver, ESD Protected*	16-Dip	3.02	2.28	1.34
AX3095EPE-ND	10Mbps, 5V, Quad RS-422/RS-485 Receiver, ESD Protected	16-Dip	4.29	3.24	1.91
AX3096CEE+-ND	10Mbps, 3V, Quad RS-422/RS-485 Receiver, ESD Protected*	16-QSOP	3.02	2.28	1.34
AX3096CSE+-ND	10Mbps, 3V, Quad RS-422/RS-485 Receiver, ESD Protected*	16-SOIC	3.02	2.28	1.34
AX3097ECSE+-ND	32Mbps, 3V-5.5V, Triple RS-422/RS-485 Receiver, ESD Protected*	16-SOIC	8.75	6.60	3.89
AX3100CEE+-ND	SPI/Microwire-Compatible UART*	16-QSOP	7.00	5.28	3.10
AX3100CPD+-ND	SPI/Microwire-Compatible UART*	14-Dip	7.00	5.28	3.10
AX3100EEE+-ND	SPI/Microwire-Compatible UART*	16-QSOP	9.99	7.54	4.43
AX3100EPD+-ND	SPI/Microwire-Compatible UART*	14-Dip	9.99	7.54	4.43
AX3110ECNI+G36-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver* ***NEW!***	28-Dip	11.61	8.76	5.16
AX3110ECWI+G36-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver* ***NEW!***	28-SOIC	11.61	8.76	5.16
AX3111ECWI-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver	28-SOIC	11.61	8.76	5.16
AX3111ECWI+G36-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver* ***NEW!***	28-SOIC	11.61	8.76	5.16
AX3111EWI-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver	28-SOIC	16.62	12.54	7.37
AX3111EWI+G36-ND	SPI/Microwire-Compatible UART and ESD Protected RS-232 Transceiver* ***NEW!***	28-SOIC	16.62	12.54	7.37
AX3140CEI+-ND	SPI/Microwire-Compatible UART with Integrated True Fail-Safe RS-485/RS-422 Transceiver*	28-QSOP	9.99	7.54	4.44
AX3157CAI+-ND	High CMRR RS-485 Transceiver with ±50V Isolation*	28-SSOP	8.61	6.50	4.59
MAX3160EAP+-ND	+3V to +5.5V, 1µA, RS-232/RS-485/RS-422 Multiprotocol Transceiver*	20-SSOP	19.29	14.56	10.29
MAX3161EAG+-ND	+3V to +5.5V, 1µA, RS-232/RS-485/RS-422 Multiprotocol Transceiver*	24-SSOP	19.29	14.56	10.29
MAX3162EAI+-ND	+3V to +5.5V, Two Transceiver Two Receiver RS-232 Interface and Single RS-485/422 Transceiver*	28-SSOP	19.29	14.56	8.57
MAX3209ECUU+-ND	12V, Dual RS-232 Serial Port with Low-Power Standby for Motherboards/Desktops* ***NEW!***	38-TSSOP	5.72	4.32	2.77
MAX3218CAP-ND	1.8V to 4.25V, RS-232 Transceiver with AutoShutdown	20-SSOP	4.74	3.58	2.10
MAX3218CAP+-ND	1.8V to 4.25V, RS-232 Transceiver with AutoShutdown*	20-SSOP	4.74	3.58	2.10
MAX3221CAE+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown*	16-SSOP	2.84	2.14	1.37
MAX3221EAE+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown*	16-SSOP	4.05	3.06	1.96
MAX3221ECAE-ND	3V to 5.5V, 250kbps, RS-232 Transceiver w/AutoShutdown, ESD Protected	16-SSOP	3.26	2.46	1.58
MAX3221ECAE+-ND	3V to 5.5V, 250kbps, RS-232 Transceiver w/AutoShutdown, ESD Protected*	16-SSOP	3.26	2.46	1.58
MAX3221EEAE+-ND	3V to 5.5V, 250kbps, RS-232 Transceiver w/AutoShutdown, ESD Protected*	16-SSOP	4.66	3.52	2.26
MAX3222CPN+-ND	3V to 5.5V, Low Power, True RS-232 Transceiver*	18-Dip	4.19	3.16	2.02
MAX3223EAP+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown*	20-SSOP	5.41	4.08	2.62
MAX3223ECAP+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown*	20-SSOP	5.04	3.80	2.93
MAX3223EAP+-ND	3V to 5.5V, 250kbps, RS-232 Transceiver with AutoShutdown, ESD Protected*	20-SSOP	7.21	5.44	3.49
MAX3223EEPP-ND	3V to 5.5V, 250kbps, RS-232 Transceiver with AutoShutdown, ESD Protected	20-Dip	7.21	5.44	3.49
MAX3223EEPP+-ND	3V to 5.5V, 250kbps, RS-232 Transceiver with AutoShutdown, ESD Protected* ***NEW!***	20-Dip	7.21	5.44	3.63
MAX3224CAP-ND	3V to 5.5V, 1Mbps, RS-232 Transceiver with AutoShutdown	20-SSOP	4.19	3.16	2.02
MAX3224CAP+-ND	3V to 5.5V, 1Mbps, RS-232 Transceiver with AutoShutdown*	20-SSOP	4.19	3.16	2.02
MAX3224ECAP+-ND	3V to 5.5V, 1Mbps, RS-232 Transceiver with AutoShutdown, ESD Protected*	20-SSOP	5.04	3.80	2.44
MAX3226EEAE+-ND	3V to 5.5V, 250Kbps, RS-232 Transceiver with AutoShutdown, ESD Protected*	16-SSOP	4.66	3.52	2.26
MAX3232CSE+-ND	3V to 5.5V, True RS-232 Transceiver Up to 1Mbps*	16-SOIC	4.19	3.16	2.02
MAX3232CUE+-ND	3V to 5.5V, True RS-232 Transceiver Up to 1Mbps*	16-TSSOP	4.16	3.14	1.85
MAX3232ECAE+-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.*	16-SSOP	5.04	3.80	2.44
MAX3232ECPE-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.	16-Dip	5.04	3.80	2.44
MAX3232ECPE+-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.* ***NEW!***	16-Dip	5.04	3.80	2.44
MAX3232ECWE-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.	16-SOIC	5.04	3.80	2.44
MAX3232ECWE+-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.*	16-SOIC	5.04	3.80	2.44
MAX3232EEAE-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.	16-SSOP	7.21	5.44	3.49
MAX3232EEAE+-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.*	16-SSOP	7.21	5.44	3.49
MAX3233ECPP+G36-ND	3V to 3.6V, 250kbps, Dual RS-232 Transceiver, ESD Protected* ***NEW!***	20-Dip	8.80	6.64	3.90
MAX3233ECWP+G36-ND	3V to 3.6V, 250kbps, Dual RS-232 Transceiver, ESD Prot.* ***NEW!***	20-SOIC	8.80	6.64	3.90

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX3233EEWP-ND	3V to 3.6V, 250kbps, Dual RS-232 Transceiver, ESD Prot.	20-SOIC	12.22	9.22	5.91
MAX3233EEWP+G36-ND	3V to 3.6V, 250kbps, Dual RS-232 Transceiver, ESD Prot.* ***NEW!***	20-SOIC	12.22	9.22	5.91
MAX3235ECWP-ND	4.5V to 5.5V, 250kbps, Dual RS-232 Transceiver, ESD Prot.	20-SOIC	8.11	6.12	3.92
MAX3235ECWP+G36-ND	4.5V to 5.5V, 250kbps, Dual RS-232 Transceiver, ESD Prot.* ***NEW!***	20-SOIC	8.11	6.12	4.23
MAX3235EEWP-ND	4.5V to 5.5V, 250kbps, Dual RS-232 Transceiver, ESD Prot.	20-SOIC	11.24	8.48	5.44
MAX3235EEWP+G36-ND	4.5V to 5.5V, 250kbps, Dual RS-232 Transceiver, ESD Prot.* ***NEW!***	20-SOIC	11.24	8.48	5.44
MAX3237CAI+-ND	3V to 5.5V, True RS-232 Transceiver*	28-SSOP	7.53	5.68	3.65
MAX3237EAI+-ND	3V to 5.5V, True RS-232 Transceiver*	28-SSOP	10.76	8.12	5.21
MAX3237EEAI+-ND	3V to 5.5V, True RS-232 Transceiver, ESD Prot.*	28-SSOP	11.98	9.04	5.79
MAX3238EAI+-ND	3V to 5.5V, 250kbps True RS-232 Transceiver with AutoShutdown Plus*	28-SSOP	10.76	8.12	6.26
MAX3238ECAI-ND	3V to 5.5V, 250kbps True RS-232 Transceiver, ESD Prot.	28-SSOP	8.75	6.60	4.23
MAX3238ECAI+-ND	3V to 5.5V, 250kbps True RS-232 Transceiver, ESD Prot.*	28-SSOP	8.75	6.60	4.23
MAX3241CAI+-ND	3V to 5.5V, LP True RS-232 Transceiver*	28-SSOP	7.53	5.68	3.65
MAX3241EAI+-ND	3V to 5.5V, LP True RS-232 Transceiver*	28-SSOP	10.76	8.12	5.21
MAX3241ECAI+-ND	3V to 5.5V, LP True RS-232 Transceiver, ESD Prot.*	28-SSOP	8.75	6.60	4.23
MAX3241EEAI+-ND	3V to 5.5V, LP True RS-232 Transceiver, ESD Prot.*	28-SSOP	11.98	9.04	5.79
MAX3243CAI-ND	3V to 5.5V, RS-232 Transceiver w/AutoShutdown	28-SSOP	7.53	5.68	3.65
MAX3243CAI+-ND	3V to 5.5V, RS-232 Transceiver w/AutoShutdown*	28-SSOP	7.53	5.68	3.65
MAX3243EAI-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown	28-SSOP	10.76	8.12	5.21
MAX3243EAI+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown*	28-SSOP	10.76	8.12	5.21
MAX3243ECAI+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection*	28-SSOP	8.75	6.60	4.23
MAX3244ECAI+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection*	28-SSOP	8.75	6.60	4.23
MAX3244ECWI-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection	28-SOIC	8.75	6.60	4.23
MAX3245ECAI-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection	28-SSOP	9.54	7.20	4.23
MAX3245ECAI+-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection*	28-SSOP	9.54	7.20	4.23
MAX3245EEWI-ND	3V to 5.5V, RS-232 Transceiver with AutoShutdown, ESD Protection	28-SOIC	13.06	9.86	5.79
MAX3291EPD-ND	5Mbps to 10Mbps, RS-485/RS-422 Transceiver	14-Dip	9.51	7.18	4.22
MAX3292ESD-ND	Prog. up to 10Mbps, RS-485/RS-422 Transceiver	14-SOIC	9.51	7.18	4.22
MAX3292ESD+-ND	Prog. up to 10Mbps, RS-485/RS-422 Transceiver*	14-SOIC	9.51	7.18	4.22
MAX3311CUB-ND	460kbps, 1µA Supply Current RS-232 Transceiver	10-µMAX	2.60	1.96	1.15
MAX3311CUB+-ND	460kbps, 1µA Supply Current RS-232 Transceiver*	10-µMAX	2.60	1.96	1.15
MAX3311ECUB+-ND	460kbps, 1µA Supply Current RS-232 Transceiver, ESD Prot.*	10-µMAX	2.92	2.20	1.29
MAX3311EEUB+-ND	460kbps, 1µA Supply Current RS-232 Transceiver, ESD Prot.*	10-µMAX	3.79	2.86	1.68
MAX3313CUB+-ND	460kbps, 1µA Supply Current RS-232 Transceiver*	10-µMAX	2.60	1.96	1.15
MAX3313ECUB+-ND	460kbps, 1µA Supply Current RS-232 Transceiver, ESD Prot.*	10-µMAX	2.92	2.20	1.29
MAX3319ECAE+-ND	2.5V, 1µA, 460kbps, RS-232 Transceiver*	16-SSOP	5.49	4.14	2.44
MAX3320TEAP-ND	3V to 5.5V, True RS-232 Transceiver with AutoShutdown	20-SSOP	6.49	4.90	2.89
MAX3320TEAP+-ND	3V to 5.5V, True RS-232 Transceiver with AutoShutdown* ***NEW!***	20-SSOP	6.49	4.90	2.87
MAX3371EXT-TCT-ND	1µA, 2Mbps, Low Voltage Level Translator	SC70-6	2.20	1.66	1.46
MAX3371EXT-TTR-ND	1µA, 2Mbps, Low Voltage Level Translator	SC70-6	3320.00/2,500		
MAX3386ECUP+-ND	3V, 250kbps, RS-232 Transceiver, ESD Protected*	20-TSSOP	5.70	4.30	2.75
MAX3387ECUG-ND	3V, 250kbps, RS-232 Transceiver, Auto Shutdown, ESD Protected	24-TSSOP	7.34	5.54	3.25
MAX3387ECUG+-ND	3V, 250kbps, RS-232 Transceiver, Auto Shutdown, ESD Protected*	24-TSSOP	7.34	5.54	3.25
MAX3387EEUG+-ND	3V, 250kbps, RS-232 Transceiver, Auto Shutdown, ESD Protected*	24-TSSOP	8.75	6.60	3.88
MAX3420EECJ+-ND	USB Peripheral Controller with SPI Interface*	32-TQFP	7.45	6.08	3.58
MAX3420EETG+-ND	USB Peripheral Controller with SPI Interface*	24-TQFN	7.90	5.96	3.51
MAX3471EUA+-ND	1.6µA, RS-485/RS-422, Half-Duplex Differential Transceiver*	8-µMAX	5.19	3.92	2.31
MAX3483ECSA+-ND	3V to 3.6V, 250kbps and Slew Rate Limited True RS-485/RS-422 Transceiver, ESD Protected*	8-SOIC	4.32	3.26	2.09
MAX3483EESA+-ND	3V to 3.6V, 250kbps and Slew Rate Limited True RS-485/RS-422 Transceiver, ESD Protected*	8-SOIC	5.46	4.12	2.64
MAX3486CSA+-ND	3.3V, 2.5Mbps, Slew Rate Limited, True RS-485/422 Transceiver*	8-SOIC	3.82	2.88	2.21
MAX3490CSA-ND	3.3V, 10Mbps, Slew Rate Limited, True RS-485/422 Transceiver	8-SOIC	3.82	2.88	1.84
MAX3490CSA+-ND	3.3V, 10Mbps, Slew Rate Limited, True RS-485/422 Transceiver*	8-SOIC	3.82	2.88	1.84
MAX3490ECSA+-ND	3.3V, 10Mbps, Slew Rate Limited, True RS-485/422 Transceiver*	8-SOIC	4.32	3.26	2.51
MAX3491ECSD+-ND	3V to 3.6V, 12Mbps and Slew Rate Limited True RS-485/RS-422 Transceiver, ESD Protected*	14-SOIC	4.32	3.26	2.09
MAX3491EESD-ND	3V to 3.6V, 12Mbps and Slew Rate Limited True RS-485/RS-422 Transceiver, ESD Protected	14-SOIC	5.46	4.12	2.64
MAX3491EESD+-ND	3V to 3.6V, 12Mbps and Slew Rate Limited True RS-485/RS-422 Transceiver, ESD Protected*	14-SOIC	5.46	4.12	2.64
MAX3656ETG+-ND	155Mbps to 2.5Gbps Burst-Mode Laser Driver*	24-QFN-EP	5.11	3.88	2.96
MAX3869EHJ+-ND	+3.3V, 2.5Gbps SDH/SONET Laser Driver*	32-TQFP	23.66	17.86	13.67
MAX4002EUA+-ND	2.5GHz, 45dB RF Detecting Controller*	8-µMAX	3.39	2.56	2.11
MAX4003EUA+-ND	100MHz to 2500MHz, 45dB RF Detector*	8-µMAX	2.48	1.86	1.09
MAX4018EEE-ND	High Speed, Triple Op Amp with Rail-to-Rail Output	16-QSOP	4.77	3.60	2.12
MAX4018EEE+-ND	High Speed, Triple Op Amp with Rail-to-Rail Output*	16-QSOP	4.77	3.60	2.12
MAX4020ESD+-ND	High Speed, Quad Op Amp with Rail-to-Rail Output*	14-SOIC	5.43	4.10	2.41
MAX4028EUE+TCT-ND	Video Multiplexer Amp with Input Clamps* ***NEW!***	16-TSSOP	5.19	3.92	3.43
MAX4028EUE+TTR-ND	Video Multiplexer Amp with Input Clamps* ***NEW!***	16-TSSOP	7940.00/2,500		
MAX4029EUP+TCT-ND	Video Multiplexer Amp with Input Clamps* ***NEW!***	20-TSSOP	6.20	4.68	4.10
MAX4029EUP+TTR-ND	Video Multiplexer Amp with Input Clamps* ***NEW!***	20-TSSOP	9360.00/2,500		
MAX4051ACPE+-ND	8-Channel, Low-Voltage, CMOS Analog Mux/Switch*	16-Dip	4.37	3.30	2.11
MAX4051ACSE+-ND	8-Channel, Low-Voltage, CMOS Analog Mux/Switch*	16-SOIC	4.05	3.06	1.96
MAX4051CSE+-ND	8-Channel, Low-Voltage, CMOS Analog Mux/Switch*	16-SOIC	3.13	2.57	2.04
MAX4052ACEE+-ND	Dual 4-Channel, Low-Voltage, CMOS Analog Mux/Switch*	16-QSOP	4.82	3.64	2.34
MAX4052AEEE-ND	Dual 4-Channel, Low-Voltage, CMOS Analog Mux/Switch	16-QSOP	6.28	4.74	3.04
MAX4052AEEE+-ND	Dual 4-Channel, Low-Voltage, CMOS Analog Mux/Switch*	16-QSOP	6.28	4.74	3.04
MAX4066CPD-ND	Low-Voltage, Quad, SPST, CMOS Analog Switch	14-Dip	2.28	1.72	1.10

* *RoHS Compliant*

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX4090AAXT+TCT-ND	+3V/+5V, 6dB Video Buffer* **NEW!**	SC70-6	1.22	.92	.81
MAX4090AAXT+TTR-ND	+3V/+5V, 6dB Video Buffer* **NEW!**	SC70-6		1840.00/2,500	
MAX4107ESA+-ND	300MHz, Ultra-Low Noise Op Amp*	8-SOIC	3.76	2.84	1.67
MAX4121CSA-ND	330MHz Multiplexer/Crosspoint Building Block IC	8-SOIC	5.25	3.96	2.54
MAX4121CSA+-ND	330MHz Multiplexer/Crosspoint Building Block IC*	8-SOIC	5.25	3.96	2.54
MAX4123ESA-ND	Single, 5MHz, Single Supply Op Amp with Shutdown	8-SOIC	2.60	1.96	1.26
MAX4125ESA-ND	Single, 10 V/µs, Single Supply Op Amp with Shutdown	8-SOIC	2.60	1.96	1.26
MAX4126ESA-ND	Dual, 5MHz, Single Supply Op Amp	8-SOIC	3.74	2.82	1.81
MAX4126ESA+-ND	Dual, 5MHz, Single Supply Op Amp*	8-SOIC	3.74	2.82	1.81
MAX4127ESD-ND	Dual, 5MHz, Single Supply Op Amp with Shutdown	14-SOIC	4.43	3.34	2.14
MAX4128ESA-ND	Dual, 10 V/µs, Single Supply Op Amp	8-SOIC	3.74	2.82	1.81
MAX4128EUA-ND	Dual, 10 V/µs, Single Supply Op Amp	8-µMAX	3.98	3.00	1.77
MAX4129ESD+-ND	Quad, 5MHz, Single Supply Op Amp*	14-SOIC	6.36	4.80	3.08
MAX4131ESA+-ND	Single, 10MHz, Single Supply Op Amp with Shutdown*	8-SOIC	2.60	1.96	1.26
MAX4132ESA-ND	Dual, 10MHz, Single Supply Op Amp	8-SOIC	3.74	2.82	1.81
MAX4132ESA+-ND	Dual, 10MHz, Single Supply Op Amp*	8-SOIC	3.74	2.82	1.81
MAX4134ESD-ND	Quad, 10MHz, Single Supply Op Amp	14-SOIC	6.36	4.80	3.08
MAX4134ESD+-ND	Quad, 10MHz, Single Supply Op Amp*	14-SOIC	6.36	4.80	3.08
MAX4144ESD-ND	High-Speed, Low-Distortion, Diff. Line Receiver	14-SOIC	6.36	4.80	2.83
MAX4144ESD+-ND	High-Speed, Low-Distortion, Diff. Line Receiver*	14-SOIC	6.36	4.80	2.83
MAX4145ESD+-ND	High-Speed, Low-Distortion, Diff. Line Receiver*	14-SOIC	6.36	4.80	2.83
MAX4147ESD+-ND	300MHz, Low Power, High Output Current, Diff. Line Driver*	14-SOIC	5.63	5.00	2.94
MAX4162ESA+-ND	10V, Micropower, Rail-to-Rail Input/Output Op Amp*	8-SOIC	2.65	2.00	1.18
MAX4162EUK+TCT-ND	10V, Micropower, Rail-to-Rail Input/Output Op Amp*	SOT-23-5	3.47	2.62	2.30
MAX4162EUK+TTR-ND	10V, Micropower, Rail-to-Rail Input/Output Op Amp*	SOT-23-5		5240.00/2,500	
MAX4163ESA+-ND	10V, Micropower, Rail-to-Rail Input/Output Dual Op Amp*	8-SOIC	3.31	2.50	1.47
MAX4172ESA+-ND	High-Side Current Sense Amplifier*	8-SOIC	3.84	2.90	1.87
MAX4172EUA+-ND	High-Side Current Sense Amplifier*	8-µMAX	3.52	2.66	1.71
MAX4173FESA+-ND	Voltage-Output, High-Side Current-Sense Amp*	8-SOIC	1.88	1.42	.84
MAX4173HESA+-ND	Voltage-Output, High-Side Current-Sense Amp*	8-SOIC	1.88	1.42	.84
MAX4173TESA+-ND	Voltage-Output, High-Side Current-Sense Amp*	8-SOIC	1.88	1.42	.84
MAX4194ESA+-ND	Variable-Gain Precision Instrumentation Amp*	8-SOIC	4.03	3.04	1.78
MAX4218ESD-ND	Triple, 300MHz, Single Supply, Rail-to-Rail Op Amp	14-SOIC	7.90	5.96	3.58
MAX4220EEE-ND	High-Speed Single Supply Rail-to-Rail Quad Op Amp	16-QSOP	10.49	7.92	5.08
MAX4220ESD-ND	High-Speed Single Supply Rail-to-Rail Quad Op Amp	14-SOIC	10.49	7.92	5.08
MAX4222ESD+-ND	HS, Single Supply Gain of 2, Closed-Loop R/R Buffer*	14-SOIC	9.01	6.80	4.00
MAX4242ESA-ND	Dual 1.8V, Beyond-the-Rails Op Amp	8-SOIC	3.45	2.60	1.53
MAX4242ESA+-ND	Dual 1.8V, Beyond-the-Rails Op Amp*	8-SOIC	3.45	2.60	1.53
MAX4252ESA+-ND	UCSP, Single Supply, Low Noise, Low Distortion, Rail-to-Rail Op Amp*	8-SOIC	3.18	2.40	2.15
MAX4310ESA+-ND	High Speed, Low Power, Dual Video Mux Amp*	8-SOIC	5.51	4.16	2.45
MAX4311ESD+-ND	High Speed, Low Power, Quad Video Mux Amp*	14-SOIC	7.39	5.58	3.28
MAX4314ESD+-ND	High Speed, Low Power, Quad Video Mux Amp*	14-SOIC	7.39	5.58	3.28
MAX4357ECD+-ND	32x16 Nonblocking Video Crosspoint Switch with In/Out Buffers*	128-TQFP	125.11	94.42	—
MAX4372FEUK+TCT-ND	50V/V, Micropower, High-Side Current-Sense Amp*	SOT-23-5	1.88	1.42	1.25
MAX4372FEUK+TTR-ND	50V/V, Micropower, High-Side Current-Sense Amp*	SOT-23-5		2840.00/2,500	
MAX4372TEUK-TCT-ND	20V/V, Micropower, High-Side Current-Sense Amp	SOT-23-5	1.88	1.42	1.25
MAX4372TEUK+TCT-ND	20V/V, Micropower, High-Side Current-Sense Amp*	SOT-23-5	1.88	1.42	1.25
MAX4372TEUK+TTR-ND	20V/V, Micropower, High-Side Current-Sense Amp*	SOT-23-5		2840.00/2,500	
MAX4373FEUA+-ND	Micropower, High-Side Current-Sense Amp/Comparator/Reference*	8-µMAX	2.94	2.22	1.31
MAX4373TESA+-ND	Micropower, High-Side Current-Sense Amp/Comparator/Reference*	8-SOIC	2.94	2.22	1.31
MAX4373TEUA-ND	Micropower, High-Side Current-Sense Amp/Comparator/Reference	8-µMAX	2.94	2.22	1.31
MAX4373TEUA+-ND	Micropower, High-Side Current-Sense Amp/Comparator/Reference*	8-µMAX	2.94	2.22	1.31
MAX4374HEUB-ND	Micropower, High-Side Current-Sense Amp/Comparator/Reference	10-µMAX	3.84	2.90	1.70
MAX4389EXT+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	SC70-6	1.35	1.02	.90
MAX4389EXT+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	SC70-6		2040.00/2,500	
MAX4390EXT+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	SC70-6	1.27	.96	.84
MAX4390EXT+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	SC70-6		1920.00/2,500	
MAX4392EUA+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	8-µMAX	1.91	1.44	1.26
MAX4392EUA+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	8-µMAX		2880.00/2,500	
MAX4393EUB+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	10-µMAX	2.04	1.54	1.35
MAX4393EUB+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	10-µMAX		3080.00/2,500	
MAX4394ESD+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	14-SOIC	2.44	1.84	1.61
MAX4394ESD+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	14-SOIC		3680.00/2,500	
MAX4395ESD+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	14-SOIC	2.81	2.12	1.86
MAX4395ESD+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	14-SOIC		4240.00/2,500	
MAX4396EUP+TCT-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	20-TSSOP	3.05	2.30	2.02
MAX4396EUP+TTR-ND	85MHz Op Amp with Rail-to-Rail Output* **NEW!**	20-TSSOP		4600.00/2,500	
MAX4412EUK+TCT-ND	3V/5V, 500MHz, Single Supply Op Amp with Rail-to-Rail Output*	SOT-23-5	2.76	2.08	1.82
MAX4412EUK+TTR-ND	3V/5V, 500MHz, Single Supply Op Amp with Rail-to-Rail Output*	SOT-23-5		4160.00/2,500	
MAX4420CPA-ND	High-Speed 6A MOSFET Driver, Non-Inverting	8-Dip	3.39	2.56	1.83
MAX4420CPA+-ND	High-Speed 6A MOSFET Driver, Non-Inverting*	8-Dip	3.39	2.56	1.83
MAX4420ESA+-ND	High-Speed 6A MOSFET Driver, Non-Inverting*	8-SOIC	4.58	3.46	2.47
MAX4429CPA-ND	High-Speed 6A MOSFET Driver, Inverting	8-Dip	3.39	2.56	1.83
MAX4533CAP+-ND	Quad, R/R, Fault-Protected SPDT Analog Switch*	20-SSOP	8.51	6.42	3.78
MAX4537ESE-ND	Quad, Low-Voltage, SPST Analog Switch	16-SOIC	2.84	2.14	1.26
MAX4544CPA-ND	Dual SPDT Low-Voltage Analog Switch	8-Dip	1.56	1.18	.70
MAX4544CSA+-ND	Dual SPDT Low-Voltage Analog Switch*	8-SOIC	1.56	1.18	.70
MAX4544EPA-ND	Dual SPDT Low-Voltage Analog Switch*	8-Dip	1.56	1.18	.70
MAX4544ESA+-ND	Dual SPDT Low-Voltage Analog Switch* **NEW!**	8-SOIC	1.56	1.18	.70
MAX4544EUT+TCT-ND	Dual SPDT Low-Voltage Analog Switch*	SOT-23-6	1.67	1.26	1.11
MAX4544EUT+TTR-ND	Dual SPDT Low-Voltage Analog Switch*	SOT-23-6		2520.00/2,500	
MAX4567CSE-ND	Dual SPDT Low-Voltage, Bidirectional RF/Video Switch	16-SOIC	4.40	3.32	1.95

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MAX4614CSD+-ND	Quad SPST Low-Voltage, High Speed CMOS Analog Switch*	14-SOIC	2.33	1.76	1.04
MAX4617CUE-ND	8-Channel, High Speed, Low-Voltage, CMOS Analog Mux	16-TSSOP	2.70	2.04	1.23
MAX4617CUE+-ND	8-Channel, High Speed, Low-Voltage, CMOS Analog Mux*	16-TSSOP	2.70	2.04	1.23
MAX4618CSE-ND	Dual 4-Channel High Speed, Low-Voltage, CMOS Analog Mux	16-SOIC	2.39	1.80	1.06
MAX4618CSE+-ND	Dual 4-Channel High Speed, Low-Voltage, CMOS Analog Mux*	16-SOIC	2.39	1.80	1.06
MAX4619CPE+-ND	Triple SPDT, High Speed, Low-Voltage, CMOS Analog Switch* **NEW!**	16-Dip	2.39	1.80	1.08
MAX4619CSE-ND	Triple SPDT, High Speed, Low-Voltage, CMOS Analog Switch	16-SOIC	2.39	1.80	1.08
MAX4619CSE+-ND	Triple SPDT, High Speed, Low-Voltage, CMOS Analog Switch*	16-SOIC	2.39	1.80	1.08
MAX4624EUT-TCT-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch	SOT-23-6	2.65	2.00	1.75
MAX4624EUT+TCT-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch*	SOT-23-6	2.65	2.00	1.75
MAX4625EUT-TCT-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch	SOT-23-6	2.65	2.00	1.75
MAX4625EUT-TTR-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch	SOT-23-6		4000.00/2,500	
MAX4625EUT+TCT-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch*	SOT-23-6	2.65	2.00	1.75
MAX4625EUT+TTR-ND	1-Ohm, Low-Voltage Single-Supply SPDT Analog Switch*	SOT-23-6		4000.00/2,500	
MAX4626EUK-TCT-ND	0.5-Ohm, Low-Voltage Single-Supply SPST Analog Switch	SOT-23-5	2.52	1.90	1.67
MAX4626EUK+TCT-ND	0.5-Ohm, Low-Voltage Single-Supply SPST Analog Switch	SOT-23-5	2.52	1.90	1.67
MAX4626EUK+TTR-ND	0.5-Ohm, Low-Voltage Single-Supply SPST Analog Switch*	SOT-23-5		3800.00/2,500	
MAX4634EUB+-ND	4-Ohm, Low-Voltage 4-Channel, CMOS Analog Mux*	10-µMAX	2.89	2.18	1.28
MAX4636EUB+-ND	4-Ohm, Low-Voltage SPDT CMOS Analog Switch*	10-µMAX	2.76	2.08	1.22
MAX4644EUT-TCT-ND	4-Ohm, Low-Voltage SPDT CMOS Analog Switch	SOT-23-6	1.83	1.38	1.21
MAX4644EUT+TCT-ND	4-Ohm, Low-Voltage SPDT CMOS Analog Switch*	SOT-23-6	1.83	1.38	1.21
MAX4644EUT+TTR-ND	4-Ohm, Low-Voltage SPDT CMOS Analog Switch*	SOT-23-6		2760.00/2,500	
MAX4648EUT-TCT-ND	25-Ohm, SPST Analog Switch	SOT-23-6	3.10	2.34	2.05
MAX4648EUT+TCT-ND	25-Ohm, SPST Analog Switch*	SOT-23-6	3.10	2.34	2.05
MAX4848EUT+TTR-ND	25-Ohm, SPST Analog Switch*	SOT-23-6		4680.00/2,500	
MAX4649EKA+TCT-ND	45-Ohm, SPDT Analog Switch*	SOT-23-8	3.39	2.56	2.24
MAX4649EKA+TTR-ND	45-Ohm, SPDT Analog Switch*	SOT-23-8		5120.00/2,500	
MAX4661CAE+-ND	2.5-Ohm, Quad, SPST, CMOS Analog Switch*	16-SSOP	9.91	7.48	4.40
MAX4685EUB+-ND	0.8-Ohm, Low Voltage, Dual SPDT Analog Switch*	10-µMAX	3.50	2.64	1.55
MAX4691EGE-TCT-ND	Low Voltage, CMOS Analog 8-Channel Mux	16-QFN	4.13	3.12	2.73
MAX4691EGE-TTR-ND	Low Voltage, CMOS Analog 8-Channel Mux	16-QFN		6240.00/2,500	
MAX4820EUP+-ND	+3.3V/+5V, 8-Channel, Cascadable Relay Driver with Serial/Parallel Interface*	20-TSSOP	3.68	2.78	1.67
MAX5100AEUP-ND	2.7 to 5.5V, Low Power, Quad, Parallel 8-Bit DAC with Rail-to-Rail Voltage Output	20-TSSOP	9.57	7.22	4.34
MAX5100AEUP+-ND	2.7 to 5.5V, Low Power, Quad, Parallel 8-Bit DAC with Rail-to-Rail Voltage Output*	20-TSSOP	9.57	7.22	4.34
MAX5102AEUE+-ND	2.7 to 5.5V, Low Power, Dual, Parallel 8-Bit DAC with Rail-to-Rail Voltage Output*	16-TSSOP	7.69	5.80	3.42
MAX5102BEUE+-ND	2.7 to 5.5V, Low Power, Dual, Parallel 8-Bit DAC with Rail-to-Rail Voltage Output*	16-TSSOP	6.41	4.84	2.85
MAX5156BCEE+-ND	Low Power, Dual, 12-Bit Voltage Output DAC with Configurable Output*	16-QSOP	18.42	13.90	11.04
MAX5250BCAP+-ND	5V, 10-Bit Dual Voltage Output Serial DAC*	20-SSOP	15.18	11.46	7.35
MAX5250BCPP+-ND	5V, 10-Bit Dual Voltage Output Serial DAC* **NEW!**	20-Dip	13.94	10.52	6.75
MAX5250BEAP-ND	5V, 10-Bit Dual Voltage Output Serial DAC	20-SSOP	19.72	14.88	8.76
MAX5251BCAP+-ND	3V, 10-Bit Dual Voltage Output Serial DAC*	20-SSOP	15.18	11.46	7.35
MAX5253BCAP-ND	3V, 12-Bit Dual Voltage Output Serial DAC	20-SSOP	34.87	26.32	16.87
MAX5253BCAP+-ND	3V, 12-Bit Dual Voltage Output Serial DAC* **NEW!**	20-SSOP	31.99	24.14	15.48
MAX5258EEE+-ND	5V, Low Power, 8-Bit Octal DAC with Rail-to-Rail Output Buffer*	16-QSOP	8.61	6.50	3.82
MAX5259EEE+-ND	3V, Low Power, 8-Bit Octal DAC with Rail-to-Rail Output Buffer*	16-QSOP	8.61	6.50	3.82
MAX5352BCPA-ND	5V, 12-Bit Voltage Output Serial DAC	8-Dip	12.91	9.74	6.24
MAX5352BCPA+-ND	5V, 12-Bit Voltage Output Serial DAC* **NEW!**	8-Dip	11.85	8.94	5.73
MAX5352BCUA+-ND	5V, 12-Bit Voltage Output Serial DAC*	8-µMAX	12.91	9.74	6.24
MAX5354CPA-ND	5V, 10-Bit Voltage Output Serial DAC	8-Dip	7.61	5.74	3.69
MAX5354CPA+-ND	5V, 10-Bit Voltage Output Serial DAC* **NEW!**	8-Dip	7.61	5.74	3.69
MAX5354CUA+-ND	5V, 10-Bit Voltage Output Serial DAC*	8-µMAX	8.29	6.26	4.03
MAX5355CUA-ND	3.3V, 10-Bit Voltage Output Serial DAC	8-µMAX	8.16	6.16	3.96
MAX5355CUA+-ND	3.3V, 10-Bit Voltage Output Serial DAC*	8-µMAX	8.90	6.72	4.31
MAX5401EKA-TCT-ND	256-Tap SOT-PoT, Low Drift Digital Potentiometer	SOT-23-8	2.68	2.02	1.77
MAX5401EKA+TTR-ND	256-Tap SOT-PoT, Low Drift Digital Potentiometer	SOT-23-8		4040.00/2,500	
MAX5401EKA+TCT-ND	256-Tap SOT-PoT, Low Drift Digital Potentiometer*	SOT-23-8	2.57	1.94	1.70
MAX5401EKA+TTR-ND	256-Tap SOT-PoT, Low Drift Digital Potentiometer*	SOT-23-8		3880.00/2,500	
MAX5402EUA-ND	256-Tap, Digital Potentiometer	8-µMAX	2.97	2.24	1.32
MAX6002EUR+TCT-ND	2.5V, Low Power, LDO Voltage Reference*	SOT-23	1.03	.78	.69
MAX6002EUR+TTR-ND	2.5V, Low Power, LDO Voltage Reference*	SOT-23		1560.00/2,500	
MAX6012AEUR+TCT-ND	1.247V, Precision, Low Power, LDO Voltage Reference*	SOT-23	4.00	3.02	2.65
MAX6012AEUR+TTR-ND	1.247V, Precision, Low Power, LDO Voltage Reference*	SOT-23		6040.00/2,500	
MAX6120ESA-ND	Low-Cost, Micropower, 1.2V Precision, 3-Terminal Voltage Reference	8-SOIC	2.52	1.90	1.23
MAX6145EUR+TCT-ND	4.5V, LDO 3-Terminal Voltage Reference*	SOT-23	3.02	2.28	2.00
MAX6145EUR+TTR-ND	4.5V, LDO 3-Terminal Voltage Reference*	SOT-23		4560.00/2,500	
MAX6192AESA-ND	2.5V, Precision, Micropower, LDO Voltage Reference	8-SOIC	6.28	4.74	2.78
MAX6192AESA+-ND	2.5V, Precision, Micropower, LDO Voltage Reference*	8-SOIC	5.75	4.34	2.55
MAX6225AEPA+-ND	Low-Drift, Low-Noise, 2.5V Precision Voltage Reference*	8-Dip	12.56	9.48	6.08
MAX6225AESA-ND	Low-Drift, Low-Noise, 2.5V Precision Voltage Reference	8-SOIC	13.70	10.34	6.64
MAX6225BEPA+-ND	Low-Drift, Low-Noise, 2.5V Precision Voltage Reference*	8-Dip	5.78	4.36	2.80
MAX6225BESA-ND	Low-Drift, Low-Noise, 2.5V Precision Voltage Reference	8-SOIC	6.31	4.76	3.06
MAX6241AESA-ND	Low-Drift, Low-Noise, 4.096V Precision Voltage Reference	8-SOIC	13.70	10.34	6.64

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(Continued)

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MAX6241BEPA+-ND	Low-Drift, Low-Noise, 4.096V Precision Voltage Reference* **NEW!**	8-Dip	6.31	4.76	3.06
MAX6241BESA+-ND	Low-Drift, Low-Noise, 4.096V Precision Voltage Reference*	8-SOIC	6.31	4.76	3.06
MAX6250ACSA+-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference*	8-SOIC	12.32	9.30	5.47
MAX6250AEPA+-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference* **NEW!**	8-Dip	13.70	10.34	6.64
MAX6250AESA-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference	8-SOIC	13.70	10.34	6.64
MAX6250AESA+-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference*	8-SOIC	13.70	10.34	6.64
MAX6250BCSA+-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference*	8-SOIC	5.99	4.52	2.65
MAX6250BESA-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference	8-SOIC	6.31	4.76	3.06
MAX6250BESA+-ND	Low-Drift, Low-Noise, 5.0V Precision Voltage Reference*	8-SOIC	6.31	4.76	3.06
MAX6301CSA+-ND	5V, Low Power, Micropower, Supervisory Circuit*	8-SOIC	3.82	2.88	1.69
MAX6303CSA-ND	5V, Low Power, Micropower, Supervisory Circuit	8-SOIC	3.82	2.88	1.84
MAX6303CSA+-ND	5V, Low Power, Micropower, Supervisory Circuit*	8-SOIC	3.82	2.88	1.69
MAX6314US46D3-TCT-ND	4.63V Reset Circuit	SOT-143	2.36	1.78	1.56
MAX6314US46D3-TTR-ND	4.63V Reset Circuit	SOT-143		3560.00/2,500	
MAX6314US46D3+TCT-ND	4.63V Reset Circuit*	SOT-143	2.36	1.78	1.56
MAX6314US46D3+TTR-ND	4.63V Reset Circuit*	SOT-143		3560.00/2,500	
MAX6315US29D2-TCT-ND	2.93V Open-Drain Reset Circuit	SOT-143	2.36	1.78	1.56
MAX6315US29D2-TTR-ND	2.93V Open-Drain Reset Circuit	SOT-143		3560.00/2,500	
MAX6315US29D2+TCT-ND	2.93V Open-Drain Reset Circuit* **NEW!**	SOT-143	2.36	1.78	1.56
MAX6315US29D2+TTR-ND	2.93V Open-Drain Reset Circuit* **NEW!**	SOT-143		3560.00/2,500	
MAX6315US44D1-TCT-ND	4.39V Open-Drain Reset Circuit	SOT-143	2.15	1.62	1.42
MAX6315US44D1-TTR-ND	4.39V Open-Drain Reset Circuit	SOT-143		3240.00/2,500	
MAX6320PUK29CY-TCT-ND	2.93V Microprocessor Supervisory Circuit	SOT-23-5	2.76	2.08	1.82
MAX6320PUK29CY+TCT-ND	2.93V Microprocessor Supervisory Circuit*	SOT-23-5	2.76	2.08	1.82
MAX6320PUK29CY+TTR-ND	2.93V Microprocessor Supervisory Circuit*	SOT-23-5		4160.00/2,500	
MAX6320PUK46CY-TCT-ND	4.63V Microprocessor Supervisory Circuit	SOT-23-5	2.76	2.08	1.82
MAX6320PUK46CY-TTR-ND	4.63V Microprocessor Supervisory Circuit	SOT-23-5		4160.00/2,500	
MAX6320PUK46CY+TCT-ND	4.63V Microprocessor Supervisory Circuit*	SOT-23-5	2.52	1.90	1.67
MAX6320PUK46CY+TTR-ND	4.63V Microprocessor Supervisory Circuit*	SOT-23-5		3800.00/2,500	
MAX6336US23D3-TCT-ND	2.3V, Ultra Low Voltage, Low Power, Reset Circuit	SOT-143-4	2.52	1.90	1.67
MAX6336US23D3-TTR-ND	2.3V, Ultra Low Voltage, Low Power, Reset Circuit	SOT-143-4		3800.00/2,500	
MAX6338KUB+-ND	Quad Voltage Monitor*	10-µMAX	6.49	4.90	2.87
MAX6338LUB+-ND	Quad Voltage Monitor*	10-µMAX	6.49	4.90	2.87
MAX6338OUB+-ND	Quad Voltage Monitor*	10-µMAX	6.49	4.90	2.87
MAX6348UR46-TCT-ND	4.63V, Ultra Low Power Microprocessor Reset Circuit	SOT-23	2.36	1.78	1.56
MAX6348UR46+TCT-ND	4.63V, Ultra Low Power Microprocessor Reset Circuit*	SOT-23	2.36	1.78	1.56
MAX6348UR46+TTR-ND	4.63V, Ultra Low Power Microprocessor Reset Circuit*	SOT-23		3580.00/2,500	
MAX6364UT31+TCT-ND	Low Power Microprocessor Supervisory Circuit*	SOT-23-6	3.58	2.70	2.37
MAX6364UT31+TTR-ND	Low Power Microprocessor Supervisory Circuit*	SOT-23-6		5400.00/2,500	
MAX6369KA+TCT-ND	Pin-Selectable Watchdog Timer*	SOT-23-8	2.33	1.76	1.54
MAX6369KA+TTR-ND	Pin-Selectable Watchdog Timer*	SOT-23-8		3520.00/2,500	
MAX6373KA-TCT-ND	Pin-Selectable Watchdog Timer	SOT-23-8	2.33	1.76	1.54
MAX6373KA+TCT-ND	Pin-Selectable Watchdog Timer*	SOT-23-8	2.33	1.76	1.54
MAX6373KA+TTR-ND	Pin-Selectable Watchdog Timer*	SOT-23-8		3520.00/2,500	
MAX6457UK03C+TCT-ND	High Voltage, Low Current Voltage Monitor*	SOT-23-5	2.86	2.16	1.89
MAX6457UK03C+TTR-ND	High Voltage, Low Current Voltage Monitor*	SOT-23-5		4320.00/2,500	
MAX6509HAUK+TCT-ND	Resistor Programmable Temp Switches*	SOT-23-5	2.41	1.82	1.60
MAX6509HAUK+TRND	Resistor Programmable Temp Switches*	SOT-23-5		3640.00/2,500	
MAX6651EEE+-ND	SMBus/I2C Compatible Interface*	16-QSOP	7.79	5.88	3.38
MAX6816EUS+TCT-ND	Single CMOS Switch Debouncer, ESD Protected*	SOT-143	2.36	1.78	1.56
MAX6816EUS+TTR-ND	Single CMOS Switch Debouncer, ESD Protected*	SOT-143		3560.00/2,500	
MAX6817EUT+TCT-ND	Dual CMOS Switch Debouncer, ESD Protected*	SOT-23-6	3.52	2.66	2.33
MAX6817EUT+TTR-ND	Dual CMOS Switch Debouncer, ESD Protected*	SOT-23-6		5320.00/2,500	
MAX6818EAP+-ND	Octal, CMOS Switch Debouncer, ESD Protected*	20-SSOP	7.45	5.95	3.97
MAX6902ETA+TCT-ND	SPI-Compatible Real-Time Clock*	8-TDFN	5.35	4.04	3.54
MAX6902ETA+TTR-ND	SPI-Compatible Real-Time Clock*	8-TDFN		8080.00/2,500	
MAX6954AAX+-ND	4-Wire Interfaced, 2.7V to 5.5V, LED Display Driver with I/O Expander and Key Scan*	36-SSOP	24.04	18.14	11.34
MAX6954APL-ND	4-Wire Interfaced, 2.7V to 5.5V, LED Display Driver with I/O Expander and Key Scan	40-Dip	24.04	18.14	11.34
MAX6955AAX-ND	2-Wire Interfaced, 2.7V to 5.5V, LED Display Driver with I/O Expander and Key Scan	36-SSOP	24.04	18.14	11.34
MAX6955AAX+-ND	2-Wire Interfaced, 2.7V to 5.5V, LED Display Driver with I/O Expander and Key Scan*	36-SSOP	24.04	18.14	11.34
MAX6955APL+-ND	2-Wire Interfaced, 2.7V to 5.5V, LED Display Driver with I/O Expander and Key Scan*	40-Dip	24.04	18.14	11.34
MAX6956ANI-ND	2-Wire Interfaced, 2.5V to 5.5V, 20-Port or 28-Port, LED Display Driver and I/O Expander	28-Dip	8.16	6.16	3.85
MAX6956AAI+-ND	2-Wire Interfaced, 2.5V to 5.5V, 20-Port or 28-Port, LED Display Driver and I/O Expander*	28-SSOP	8.16	6.16	3.85
MAX6957AAI+-ND	4-Wire Interfaced, 2.5V to 5.5V, 20-Port and 28-Port, LED Display Driver and I/O Expander*	28-SSOP	8.16	6.16	3.85
MAX7032ATJ+-ND	Low Cost, Programmable, ASK/FSK Transceiver* **NEW!**	32-TQFN-EP	9.54	7.20	4.80
MAX7042ATJ+-ND	Low Power, FSK Superheterodyne Receiver* **NEW!**	32-TQFN-EP	5.72	4.32	2.77
MAX7044AKA+TCT-ND	High Efficiency, ASK Transmitter* **NEW!**	SOT-23-8	3.45	2.60	1.68
MAX7044AKA+TTR-ND	High Efficiency, ASK Transmitter* **NEW!**	SOT-23-8		5200.00/2,500	
MAX7219CNG+-ND	Serial Input 8-Digit LED Driver Multiplexed*	24-Dip	10.81	8.16	5.44
MAX7219CWG+-ND	Serial Input 8-Digit LED Driver Multiplexed*	24-SOIC	10.81	8.16	5.44
MAX7219ENG+-ND	Serial Input 8-Digit LED Driver Multiplexed*	24-Dip	14.05	10.60	7.32
MAX7219EWG+-ND	Serial Input 8-Digit LED Driver Multiplexed*	24-SOIC	14.05	10.60	6.21
MAX7221CWG+-ND	Serially Interfaced, 8-Digit LED Display Driver*	24-SOIC	10.81	8.16	5.44
MAX8211CPA-ND	Programmable Voltage Detector, Non-Inverting	8-Dip	3.45	2.60	1.68
MAX8211CPA+-ND	Programmable Voltage Detector, Non-Inverting*	8-Dip	3.45	2.60	1.68
MAX8211CSA+-ND	Programmable Voltage Detector, Non-Inverting*	8-SOIC	3.50	2.64	1.70
MAX8211ESA+-ND	Programmable Voltage Detector, Non-Inverting*	8-SOIC	5.27	3.98	2.56
MAX8212CPA-ND	Programmable Voltage Detector, Inverting	8-Dip	3.45	2.60	1.73
MAX8212CPA+-ND	Programmable Voltage Detector, Inverting*	8-Dip	3.45	2.60	1.73
MAX8212CSA-ND	Programmable Voltage Detector, Inverting	8-SOIC	3.02	2.28	1.52
MAX8212CSA+-ND	Programmable Voltage Detector, Inverting*	8-SOIC	3.02	2.28	1.52
MAX8213ACPE-ND	Five Universal Voltage Monitors with Open-Drain Outputs	16-Dip	7.23	5.46	3.50
MAX8214ACPE-ND	Five Universal Voltage Monitors with Active Pull-Ups	16-Dip	7.23	5.46	3.50
MAX8869EUE33+-ND	1A, MicroCap, Low Dropout, Linear Regulator*	16-TSSOP-EP	4.56	3.44	2.43
MAX8881EUT50-TCT-ND	12V, Ultra Low IQ, LDO Linear Regulator with POK	SOT-23-6	4.19	3.16	2.77
MAX8881EUT50+TCT-ND	12V, Ultra Low IQ, LDO Linear Regulator with POK*	SOT-23-6	4.19	3.16	2.77
MAX8881EUT50+TTR-ND	12V, Ultra Low IQ, LDO Linear Regulator with POK*	SOT-23-6		6320.00/2,500	
MAX9031AUK+TCT-ND	Single Supply Comparator*	SOT-23-5	.87	.66	.58
MAX9031AUK+TTR-ND	Single Supply Comparator*	SOT-23-5		1320.00/2,500	
MAX9144ESD+-ND	40nS, Low Power, Quad, 3V/5V, Rail-to-Rail Comparator*	14-SOIC	3.21	2.73	2.17
MAX9502GEKX+TCT-ND	2.5V Video Amp with Reconstruction Filter* **NEW!**	SC70-5	1.17	.88	.77
MAX9502GEKX+TTR-ND	2.5V Video Amp with Reconstruction Filter* **NEW!**	SC70-5		1760.00/2,500	
MAX9502GELT+TCT-ND	2.5V Video Amp with Reconstruction Filter* **NEW!**	6-µDFN	1.22	.92	.81
MAX9502GELT+TTR-ND	2.5V Video Amp with Reconstruction Filter* **NEW!**	6-µDFN		1840.00/2,500	
MAX9503GETE+TCT-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-TQFN	1.70	1.28	1.12
MAX9503GETE+TTR-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-TQFN		2560.00/2,500	
MAX9503GEEE+TCT-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-QSOP	1.56	1.18	1.04
MAX9503GEEE+TTR-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-QSOP		2360.00/2,500	
MAX9505ETE+TCT-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-TQFN	2.04	1.54	1.35
MAX9505ETE+TTR-ND	DirectDrive Video Amp with Reconstruction Filter* **NEW!**	16-TQFN		3080.00/2,500	
MAX9511CEG+TCT-ND	Complete VGA Interface with EMI Suppression* **NEW!**	24-QSOP	2.68	2.02	1.77
MAX9511CEG+TTR-ND	Complete VGA Interface with EMI Suppression* **NEW!**	24-QSOP		4040.00/2,500	
MAX9512ATE+TCT-ND	Video Filter Amp with SmartSleep* **NEW!**	16-TQFN	1.67	1.26	1.11
MAX9512ATE+TTR-ND	Video Filter Amp with SmartSleep* **NEW!**	16-TQFN		2520.00/2,500	
MAX9546ESA+TCT-ND	Differential Video Interface Chipset* **NEW!**	8-SOIC	3.18	2.40	2.10
MAX9546ESA+TTR-ND	Differential Video Interface Chipset* **NEW!**	8-SOIC		4800.00/2,500	
MAX9547ESA+TCT-ND	Differential Video Interface Chipset* **NEW!**	8-SOIC	3.18	2.40	2.10
MAX9547ESA+TTR-ND	Differential Video Interface Chipset* **NEW!**	8-SOIC		4800.00/2,500	
MX574AJN+-ND	Industry-Standard, Complete 12-Bit ADC*	28-Dip	31.72	23.94	17.10
MX7224KCWN+-ND	CMOS 8-Bit DAC with Output Amp*	18-SOIC	7.34	5.93	4.74
MX7226KN-ND	CMOS Quad, 8-Bit DAC with Voltage Output Amp	20-Dip	27.37	20.66	14.75
MX7226KN+-ND	CMOS Quad, 8-Bit DAC with Voltage Output Amp*	20-Dip	27.37	20.66	14.75
MX7528JCWP+-ND	CMOS Dual D/A Converter 8-Bit Buffered*	20-SOIC	8.80	6.64	4.74
MX7533JCWE-ND	CMOS 10-Bit D/A Converter	16-SOIC	6.60	4.98	3.55
MX7548BQ-ND	CMOS 12-Bit Current-Output, Multiplying D/A Converter	20-Dip	23.74	17.92	10.54
MXD1210CSA-ND	Nonvolatile RAM Controller	8-SOIC	5.83	4.40	2.94
MXD1210CSA+-ND	Nonvolatile RAM Controller*	8-SOIC	5.83	4.40	2.94

DALLAS SEMICONDUCTOR — SPECIALIZED INTEGRATED CIRCUITS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25
DS12C887+-ND	Real-Time Clock with RAM, 128-Byte*	24-Dip	8.96	6.76
DS18B20+-ND	Prog. Resolution 1-Wire® Digital Thermometer*	TO-92	5.04	3.80
DS18B20Z+-ND	Prog. Resolution 1-Wire® Digital Thermometer*	8-SOIC	5.04	3.80
DS18S20+CT-ND	High Precision 1-Wire® Digital Thermometer*	TO-92	5.04	3.80
DS18S20+TR-ND	High Precision 1-Wire® Digital Thermometer*	TO-92		5700.00/2,000
DS18S20Z+-ND	High Precision 1-Wire® Digital Thermometer*	8-SOIC	5.04	3.80
DS21Q434AT-ND	5V, Quad E1 Framer	128-TQFP	148.53	112.10
DS21Q352-ND	3.3V, T1 Transceiver	256-BGA	189.13	142.74
DS21Q352N-ND	3.3V, T1 Transceiver, Ind. Temperature	256-BGA	217.51	164.16
DS21S07AS+-ND	SCSI Terminator* **NEW!**	16-SOIC	3.76	2.84
DS21T07E-ND	SCSI Terminator	20-TSSOP	3.66	2.76
DS21T09S-ND	Plug and Play SCSI Terminator, 2%	28-SOIC	6.36	4.80
DS32KHZ/DIP-ND	32.768KHz TCXO	14-Dip	10.15	7.66
DS32KHZN/DIP-ND	32.768KHz TCXO, Industrial Temperature	14-Dip	11.69	8.82
DS565-ND	Dual 5V/5V, Analog Temperature Sensor	8-SOIC	1.83	1.38
DS75S-ND	2-Wire Digital Temperature Sensor, LM75-Compatible	8-SOIC	2.01	1.52
DS75S+-ND	2-Wire Digital Temperature Sensor, LM75-Compatible*	8-SOIC	2.01	1.52
DS1004Z-3+-ND	5-Tap High Speed Silicon Delay Line, 3nS Tap-to-Tap*	8-SOIC	17.44	13.16
DS1023S-25+-ND	8-Bit Programmable Timing Element, 25nS*	16-SOIC	16.83	12.70
DS1100LZ-20-ND	5-Tap Delay Line, 20nS	8-SOIC	6.97	5.26
DS1100LZ-20+-ND	5-Tap Delay Line, 20nS*	8-SOIC	6.97	5.26
DS1100LZ-100-ND	5-Tap Delay Line, 100nS	8-SOIC	6.97	5.26
DS1100LZ-100+-ND	5-Tap Delay Line, 100nS*	8-SOIC	6.97	5.26
DS1100M-50-ND	5-Tap Delay Line, 50nS	8-Dip	5.64	4.26
DS1100Z-20-ND	5-Tap Delay Line, 20nS	8-SOIC	6.33	4.78
DS1100Z-20+-ND	5-Tap Delay Line, 20nS*	8-SOIC	6.33	4.78
DS1100Z-35-ND	5-Tap Delay Line, 35nS	8-SOIC	6.33	4.78
DS1100Z-40-ND	5-Tap Delay Line, 40nS	8-SOIC	6.33	4.78
DS1100Z-50+-ND	5-Tap Delay Line, 50nS*	8-SOIC	6.33	4.78
DS1100Z-100+-ND	5-Tap Delay Line, 100nS*	8-SOIC	6.33	4.78
DS1100Z-200-ND	5-Tap Delay Line, 200nS	8-SOIC	6.33	4.78
DS1100Z-200+-ND	5-Tap Delay Line, 200nS* **NEW!**	8-SOIC	6.33	4.78
DS1100Z-250-ND	5-Tap Delay Line, 250nS	8-SOIC	6.33	4.78
DS1100Z-250+-ND	5-Tap Delay Line, 250nS* **NEW!**	8-SOIC	6.33	4.78
DS1210+-ND	Nonvolatile Controller Chip*	8-Dip	4.85	3.66
DS1210N-ND	Nonvolatile Controller Chip, Industrial Temperature	8-Dip	5.70	4.30
DS1210S+-ND	Nonvolatile Controller Chip*	16-SOIC	5.22	3.94
DS1210SN-ND	Nonvolatile Controller Chip, Industrial Temperature	16-SOIC	6.41	4.84
DS1210SN+-ND	Nonvolatile Controller Chip, Industrial Temperature* **NEW!**	16-SOIC	6.41	4.84
DS1211S-ND	Nonvolatile Controller x 8 Chip	20-SOIC	37.76	28.50
DS1211S+-ND	Nonvolatile Controller x 8 Chip*	20-SOIC	37.76	28.50
DS1213C-ND	SmartSocket 256K	28-Dip	22.66	17.10
DS1216C-ND	SmartWatch/RAM, 64K/256K 5V	28-Dip	38.21	28.84
DS1216D-ND	SmartWatch/RAM, 256K/1M 5V	32-Dip	41.90	31.62
DS1216E-ND	SmartWatch/ROM, 64K, 256K, 1M 5V	28-Dip	38.21	28.84
DS1218S-ND	Nonvolatile Controller Chip	8-SOIC	13.20	9.96
DS1218S+-ND	Nonvolatile Controller Chip*	8-SOIC	13.20	9.96
DS1220AB-150-ND	Nonvolatile SRAM, 16K, 5%, 150nS	24-Dip	15.77	11.90
DS1220AD-120+-ND	Nonvolatile SRAM, 16K, 10%, 120nS* **NEW!**	24-Dip	16.17	12.20
DS1225AB-150-ND	Nonvolatile SRAM, 64K, 5%, 150nS	28-Dip	19.72	14.88
DS1225AB-200-ND	Nonvolatile SRAM, 64K, 5%, 200nS	28-Dip	14.71	11.10
DS1225AD-85-ND	Nonvolatile SRAM, 64K, 10%, 85nS	28-Dip	20.19	15.24
DS1225AD-85+-ND	Nonvolatile SRAM, 64K, 10%, 85nS* **NEW!**	28-Dip	20.19	15.24

* RoHS Compliant

(Continued)

★ CALL FOR LOWER PRICING ON LARGER QUANTITIES! ★

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25
DS1225AD-150+-ND	Nonvolatile SRAM, 64K, 10%, 150nS* ***NEW!***	28-Dip	19.72	14.88
DS1230AB-100-ND	Nonvolatile SRAM, 256K, 5%, 100nS	28-Dip	26.63	20.10
DS1230AB-120-ND	Nonvolatile SRAM, 256K, 5%, 120nS	28-Dip	26.63	20.10
DS1230Y-70+-ND	Nonvolatile SRAM, 256K, 10%, 70nS* ***NEW!***	28-Dip	27.27	20.58
DS1230Y-70IND+-ND	Nonvolatile SRAM, 256K, 10%, 70nS, Ind. Temp.* ***NEW!***	28-Dip	22.13	16.70
DS1230Y-100+-ND	Nonvolatile SRAM, 256K, 10%, 100nS* ***NEW!***	28-Dip	20.80	15.70
DS1230Y-120-ND	Nonvolatile SRAM, 256K, 10%, 120nS	28-Dip	20.80	15.70
DS1230Y-120+-ND	Nonvolatile SRAM, 256K, 10%, 120nS* ***NEW!***	28-Dip	20.80	15.70
DS1230Y-150+-ND	Nonvolatile SRAM, 256K, 10%, 150nS* ***NEW!***	28-Dip	26.63	20.10
DS1230Y-200-ND	Nonvolatile SRAM, 256K, 10%, 200nS	28-Dip	20.80	15.70
DS1230Y-200+-ND	Nonvolatile SRAM, 256K, 10%, 200nS* ***NEW!***	28-Dip	20.80	15.70
DS1231S-20+-ND	Power Monitor Chip, 20nS*	16-SOIC	10.07	7.60
DS1231-20N-ND	Power Monitor Chip, 20nS, Ind. Temperature	8-Dip	9.54	7.20
DS1232+-ND	MicroMonitor Chip*	8-Dip	2.09	1.58
DS1232N+-ND	MicroMonitor Chip, Ind. Temperature*	8-Dip	2.60	1.96
DS1232LP+-ND	Low Power MicroMonitor Chip*	8-Dip	2.25	1.70
DS1232LPS-ND	Low Power MicroMonitor Chip	16-SOIC	2.76	2.08
DS1232LPS-2+-ND	Low Power MicroMonitor Chip*	8-SOIC	2.25	1.70
DS1232LPSN-2+-ND	Low Power MicroMonitor Chip, Ind. Temperature*	8-SOIC	2.60	1.96
DS1232S+-ND	MicroMonitor Chip*	16-SOIC	2.76	2.08
DS1233-5+-ND	5V, EconoReset, 5%*	TO-92	1.38	1.04
DS1233-10+-ND	5V, EconoReset, 10%*	TO-92	1.38	1.04
DS1233A-10+-ND	3.3V, EconoReset, 10%*	TO-92	1.30	.98
DS1233A-15-ND	3.3V, EconoReset, 15%	TO-92	1.38	1.04
DS1233A-15+-ND	3.3V, EconoReset, 15%*	TO-92	1.38	1.04
DS1233AZ-10+-ND	3.3V, EconoReset, 10%*	SOT-223	2.25	1.70
DS1233AZ-15+-ND	3.3V, EconoReset, 15%*	SOT-223	2.41	1.82
DS1233D-5+CT-ND	5V, EconoReset, No Pushbutton Reset, 5%*	TO-92	1.46	1.10
DS1233D-5+TR-ND	5V, EconoReset, No Pushbutton Reset, 5%*	TO-92	1650.00	2,000
DS1233D-10+CT-ND	5V, EconoReset, No Pushbutton Reset, 10%*	TO-92	1.46	1.10
DS1233D-10+TR-ND	5V, EconoReset, No Pushbutton Reset, 10%*	TO-92	1650.00	2,000
DS1233DZ-5+CT-ND	5V, EconoReset, No Pushbutton Reset, 5%*	SOT-223	2.62	1.98
DS1233DZ-5+TR-ND	5V, EconoReset, No Pushbutton Reset, 5%*	SOT-223	3712.50	2,500
DS1233DZ-10+CT-ND	5V, EconoReset, No Pushbutton Reset, 10%*	SOT-223	2.09	1.58
DS1233DZ-10+TR-ND	5V, EconoReset, No Pushbutton Reset, 10%*	SOT-223	2962.50	2,500
DS1233DZ-15-ND	5V, EconoReset, No Pushbutton Reset, 15%	SOT-223	2.41	1.82
DS1233DZ-15+-ND	5V, EconoReset, No Pushbutton Reset, 15%* ***NEW!***	SOT-223	2.25	1.70
DS1233DZ-15+CT-ND	5V, EconoReset, No Pushbutton Reset, 15%* ***NEW!***	SOT-223	2.62	1.98
DS1233DZ-15+TR-ND	5V, EconoReset, No Pushbutton Reset, 15%* ***NEW!***	SOT-223	3712.50	2,500
DS1233M-55+-ND	5V, EconoReset* ***NEW!***	TO-92	1.38	1.04
DS1233Z-5+-ND	EconoReset, 5%*	SOT-223	2.25	1.70
DS1233Z-10+-ND	EconoReset, 10%*	SOT-223	2.41	1.82
DS1233Z-15+-ND	EconoReset, 15%*	SOT-223	2.41	1.82
DS1238-5-ND	MicroManager™ Chip, 5%	16-Dip	10.57	7.98
DS1238-10-ND	MicroManager™ Chip, 10%	16-Dip	10.57	7.98
DS1236-10+-ND	MicroManager™ Chip, 10%* ***NEW!***	16-Dip	10.57	7.98
DS1236AS-10-ND	MicroManager™ Chip, 10%	16-SOIC	12.35	9.32
DS1236S-10-ND	MicroManager™ Chip, 10%	16-SOIC	12.35	9.32
DS1238-10-ND	MicroManager™ Chip, 10%	16-Dip	10.57	7.98
DS1239S-5-ND	MicroManager™ Chip, 5%	16-SOIC	12.35	9.32
DS1239S-5+-ND	MicroManager™ Chip, 5%* ***NEW!***	16-SOIC	12.35	9.32
DS1243Y-120+-ND	Nonvolatile SRAM with Phantom Clock, 64K, 120nS*	28-Dip	28.81	21.74
DS1244Y-70+-ND	Nonvolatile SRAM with Phantom Clock, 256K, 70nS*	28-Dip	33.73	25.46
DS1245Y-70IND+-ND	Nonvolatile SRAM, 1024K, 10%, 70nS, Industrial Temperature* ***NEW!***	32-Dip	40.12	30.28
DS1245Y-100-ND	Nonvolatile SRAM, 1024K, 10%, 100nS	32-Dip	37.44	28.26
DS1245Y-100+-ND	Nonvolatile SRAM, 1024K, 10%, 100nS* ***NEW!***	32-Dip	37.44	28.26
DS1245YP-100+-ND	Nonvolatile SRAM, 1024K, 10%, 100nS* ***NEW!***	34-PCM	29.87	22.54
DS1245Y-120+-ND	Nonvolatile SRAM, 1024K, 10%, 120nS* ***NEW!***	32-Dip	37.44	28.26
DS1249Y-70-ND	Nonvolatile SRAM, 2048K, 10%, 70nS	32-Dip	67.68	51.08
DS1250WP-150-ND	3.3V, Nonvolatile SRAM, 4096K, 150nS	34-PCM	110.32	83.26
DS1259S-ND	Battery Manager Chip	16-SOIC	14.20	10.72
DS1260-100-ND	Smart Battery, 1000MAH at 3V	16-Dip	24.17	18.24
DS1267-010+-ND	Dual Digital Potentiometer Chip, 10K*	14-Dip	8.32	6.28
DS1267-050-ND	Dual Digital Potentiometer Chip, 50K	14-Dip	8.32	6.28
DS1267-050+-ND	Dual Digital Potentiometer Chip, 50K* ***NEW!***	14-Dip	8.32	6.28
DS1267-100-ND	Dual Digital Potentiometer Chip, 100K	14-Dip	8.32	6.28
DS1267-100+-ND	Dual Digital Potentiometer Chip, 100K*	14-Dip	8.32	6.28
DS1267E-10-ND	Dual Digital Potentiometer Chip, 10K	20-TSSOP	10.34	7.80
DS1267E-10+-ND	Dual Digital Potentiometer Chip, 10K*	20-TSSOP	10.34	7.80
DS1267S-010+-ND	Dual Digital Potentiometer Chip, 10K*	16-SOIC	9.57	7.22
DS1267S-050-ND	Dual Digital Potentiometer Chip, 50K	16-SOIC	9.57	7.22
DS1267S-050+-ND	Dual Digital Potentiometer Chip, 50K*	16-SOIC	9.57	7.22
DS1267S-100+-ND	Dual Digital Potentiometer Chip, 100K*	16-SOIC	9.57	7.22
DS1283S-ND	Watchdog Timekeeper Chip	28-SOIC	11.00	8.30
DS1283SN-ND	Watchdog Timekeeper Chip, Ind. Temperature	28-SOIC	12.67	9.56
DS1284-ND	Watchdog Timekeeper Chip	28-Dip	13.14	9.92
DS1284+-ND	Watchdog Timekeeper Chip*	28-Dip	13.14	9.92
DS1284Q+-ND	Watchdog Timekeeper Chip*	28-PLCC	14.10	10.64
DS1286+-ND	Watchdog Timekeeper Chip*	28-Dip	26.31	19.86
DS1302+-ND	Trickle Charge Timekeeping Chip, 300mil.*	8-Dip	3.31	2.50
DS1302N+-ND	Trickle Charge Timekeeping Chip, Ind. Temperature*	8-Dip	4.13	3.12
DS1302S+-ND	Trickle Charge Timekeeping Chip, 300mil*	8-SOIC	2.26	2.19
DS1302S-16-ND	Trickle Charge Timekeeping Chip, 300mil	16-SOIC	6.81	5.14
DS1302SN+-ND	Trickle Charge Timekeeping Chip, Ind. Temperature*	8-SOIC	4.13	3.12
DS1302Z+-ND	Trickle Charge Timekeeping Chip, 150mil*	8-SOIC	3.31	2.50
DS1302ZN+-ND	Trickle Charge Timekeeping Chip, Ind. Temperature*	8-SOIC	2.50	2.42
DS1305+-ND	Serial Alarm Real-Time Clock, 300mil.*	16-Dip	5.06	3.82
DS1305E+-ND	Serial Alarm Real-Time Clock, 173mil.*	20-TSSOP	5.06	3.82
DS1305EN+-ND	Serial Alarm Real-Time Clock, Ind. Temperature*	20-TSSOP	5.57	4.20
DS1306E+-ND	Serial Alarm Real-Time Clock, 4.4mil*	20-TSSOP	5.06	3.82
DS1306EN+-ND	Serial Alarm Real-Time Clock, Ind. Temperature*	20-TSSOP	5.59	4.22
DS1307+-ND	Serial Real-Time Clock, 64 x 8, 100mil.*	8-Dip	3.74	2.82
DS1307Z+-ND	Serial Real-Time Clock, 64 x 8, 150mil.*	8-SOIC	3.29	2.48
DS1307ZN+-ND	Serial Real-Time Clock, 64 x 8, Ind. Temperature*	8-SOIC	4.13	3.12
DS1312S-ND	Nonvolatile Controller with Lithium Battery Monitor, 300mil.	16-SOIC	15.32	11.56
DS1312S+-ND	Nonvolatile Controller with Lithium Battery Monitor, 300mil*	16-SOIC	15.32	11.56
DS1312S-2+-ND	Nonvolatile Controller with Lithium Battery Monitor, 150mil*	8-SOIC	12.19	9.20
DS1314S-ND	Nonvolatile Controller withLithium Battery Monitor, 3V, 300mil	16-SOIC	12.51	9.44
DS1314S+-ND	Nonvolatile Controller with Lithium Battery Monitor, 3V, 300mil*	16-SOIC	12.51	9.44
DS1314S-2+-ND	Nonvolatile Controller with Lithium Battery Monitor, 3V, 150mil*	8-SOIC	16.01	12.08
DS1315-5+-ND	5V, Phantom Time Chip, 300mil*	16-Dip	15.61	11.78
DS1315EN-33-ND	3.3V, Phantom Time Chip, Ind. Temperature	20-TSSOP	20.51	15.48
DS1315S-5-ND	5V, Phantom Time Chip, 300mil.	16-SOIC	18.13	13.68
DS1315S-5+-ND	5V, Phantom Time Chip, 300mil*	16-SOIC	18.13	13.68
DS1315SN-5-ND	5V, Phantom Time Chip, ind. Temp, +8200	16-SOIC	20.51	15.48
DS1315SN-5+-ND	5V, Phantom Time Chip, Ind. Temp. +8200*	16-SOIC	20.51	15.48
DS1321S+-ND	Flexible Nonvolatile Controller with Lithium Battery Monitor, 5V*	16-SOIC	10.15	7.66
DS1345WP-150-ND	3.3V, Nonvolatile SRAM with Battery Monitor, 1024K	34-PCM	32.86	24.80
DS1386-32-120+-ND	RAMified Watchdog Timekeeper, 256K*	32-Dip	52.71	39.78
DS1486-120+-ND	RAMified Watchdog Timekeeper, 1024K*	32-Dip	64.79	48.90
DS1501WE-ND	3.3V, Y2KC Watchdog Real-Time Clock	28-TSOP	12.08	9.12
DS1501WE+-ND	3.3V, Y2KC Watchdog Real-Time Clock*	28-TSOP	12.08	9.12
DS1501WEN-ND	3.3V, Y2KC Watchdog Real-Time Clock, Ind. Temp.	28-TSOP	13.89	10.48
DS1501WEN+-ND	3.3V, Y2KC Watchdog Real-Time Clock, Ind. Temp.*	28-TSOP	13.89	10.48
DS1511W+-ND	3.3V, Y2KC Watchdog Real-Time Clock*	28-Dip	20.86	15.74
DS1602+-ND	Elapsed Time Counter*	8-Dip	5.19	3.92
DS1602S+-ND	Elapsed Time Counter*	8-SOIC	5.91	4.46
DS1603+-ND	Elapsed Time Counter Module*	7-Sip	14.20	10.72
DS1609S-50+-ND	Dual Port RAM, 50nS*	24-SOIC	8.82	6.66
DS1620+-ND	Digital Thermometer and Thermostat, 300mil.*	8-Dip	6.97	5.26
DS1620S-ND	Digital Thermometer and Thermostat, 208mil.	8-SOIC	6.97	5.26
DS1620S+-ND	Digital Thermometer and Thermostat, 208mil.*	8-SOIC	6.97	5.26
DS1621-ND	Digital Thermometer and Thermostat, 300mil.	8-Dip	4.61	3.48
DS1621+-ND	Digital Thermometer and Thermostat, 300mil.*	8-Dip	4.61	3.48
DS1621S-ND	Digital Thermometer and Thermostat, 150mil.	8-SOIC	4.61	3.48
DS1621S+-ND	Digital Thermometer and Thermostat, 150mil.*	8-SOIC	4.61	3.48
DS1624-ND	Digital Thermometer and Memory, 300mil.	8-Dip	9.04	6.82
DS1624+-ND	Digital Thermometer and Memory, 300mil.*	8-Dip	9.04	6.82
DS1624S-ND	Digital Thermometer and Memory, 208mil.	8-SOIC	9.04	6.82
DS1624S+-ND	Digital Thermometer and Memory, 208mil.*	8-SOIC	9.04	6.82
DS1629S-ND	2-Wire Digital Thermometer and Real-Time Clock, 150mil.	8-SOIC	7.76	5.86
DS1629S+-ND	2-Wire Digital Thermometer and Real-Time Clock, 150mil.*	8-SOIC	7.76	5.86
DS1631U+-ND	High Precision Digital Thermometer and Thermostat*	8-MSOP	2.76	2.66
DS1631Z+-ND	High Precision Digital Thermometer and Thermostat*	8-SOIC	2.76	2.66
DS1642-100+-ND	Nonvolatile Timekeeping RAM, 100nS*	24-Dip	24.06	18.16
DS1643-100+-ND	Nonvolatile Timekeeping RAM, 100nS, 700mil.*	28-Dip	25.04	18.90
DS1644-120+-ND	Nonvolatile Timekeeping RAM, 120nS*	28-Dip	29.23	22.06
DS1644P-120+-ND	Nonvolatile Timekeeping RAM, 120nS*	34-PCM▲	26.00	19.62
DS1646-120-ND	Nonvolatile Timekeeping RAM, 120nS	32-Dip	54.93	41.46
DS1646-120+-ND	Nonvolatile Timekeeping RAM, 120nS*	32-Dip	41.29	31.16
DS1646P-120+-ND	Nonvolatile Timekeeping RAM+B228, 120nS*	34-PCM▲	36.68	27.68
DS1666S-10-ND	Audio Digital Resistor	16-SOIC	4.72	3.56
DS1666S-10+-ND	Audio Digital Resistor*	16-SOIC	4.72	3.56
DS1669-10-ND	Dallastat™ Electronic Digital Rheostat, 10K	8-Dip	6.81	5.14
DS1669-10+-ND	Dallastat™ Electronic Digital Rheostat, 10K* ***NEW!***	8-Dip	6.81	5.14
DS1669-100-ND	Dallastat™ Electronic Digital Rheostat, 100K	8-Dip	6.81	5.14
DS1669-100+-ND	Dallastat™ Electronic Digital Rheostat, 100K* ***NEW!***	8-Dip	6.81	5.14
DS1669S-10+-ND	Dallastat™ Electronic Digital Rheostat, 10K*	8-SOIC	7.18	5.42
DS1669S-50-ND	Dallastat™ Electronic Digital Rheostat, 50K	8-SOIC	7.18	5.42
DS1669S-100-ND	Dallastat™ Electronic Digital Rheostat, 100K	8-SOIC	7.18	5.42
DS1669S-100+-ND	Dallastat™ Electronic Digital Rheostat, 100K*	8-SOIC	7.18	5.42
DS1670E+-ND	Portable System Controller, 4.4mm*	20-TSSOP	6.50	6.27
DS1672S-33-ND	3.3V, Serial Timekeeping Chip	8-SOIC	3.07	2.32
DS1672S-33+-ND	3.3V, Serial Timekeeping Chip*	8-SOIC	3.07	2.32
DS1682S+-ND	Total-Elapsed-Time Recorder with Alarm*	8-SOIC	4.96	3.74
DS1685-5-ND	5V, Real-Time Clock	24-Dip	6.07	4.58
DS1685S-5+-ND	5V, Real-Time Clock*	24-SOIC	6.41	4.84
DS1687-5+-ND	5V, Real-Time Clock*	24-Dip	9.38	7.08
DS1689S+-ND	3V/5V, Serialized Real-Time Clock with NV RAM Control*	28-SOIC	9.38	7.08
DS1693+-ND	3V/5V, Serialized Real-Time Clock Module with NV RAM Control*	28-Dip	19.82	14.96
DS1705ESA+-ND	5V, MicroMonitor, 10%*	8-SOIC	2.25	1.70
DS1706LESA-ND	5V, MicroMonitor, 5%	8-SOIC	2.25	1.70
DS1706LESA+-ND	5V, MicroMonitor, 5%* ***NEW!***	8-SOIC	2.25	1.70
DS1706SESA+-ND	3.3V, MicroMonitor, 10%*	8-SOIC	2.25	1.70
DS1706TESA+-ND	3.3V, MicroMonitor, 5%*	8-SOIC	2.25	1.70
DS1707ESA+-ND	5V, MicroMonitor, 5%*	8-SOIC	2.04	1.54
DS1708ESA+-ND	5V, MicroMonitor, 5%*	8-SOIC	2.25	1.70
DS1708SESA-ND	3.3V, MicroMonitor, 10%	8-SOIC	2.25	1.70
DS1708SESA+-ND	3.3V, MicroMonitor, 10%*	8-SOIC	2.25	1.70
DS1708TESA-ND	3.3V, MicroMonitor, 5%	8-SOIC	2.25	1.70
DS1708TESA+-ND	3.3V, MicroMonitor, 5%*	8-SOIC	2.25	1.70
DS1721S+CT-ND	2-Wire Digital Thermometer and Thermostat*	8-SOIC	3.87	2.92
DS1721S+TR-ND	2-Wire Digital Thermometer and Thermostat*	8-SOIC	5475.00	2,500
DS1721U+-ND	2-Wire Digital Thermometer and Thermostat*	8-MSOP	3.87	2.92

▲DS9034PCX Powercap required; order DS9034PCX-ND * ***RoHS Compliant*** *(Continued)*

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25
DS1722S+GT-ND	2-Wire Digital Thermometer and Thermostat*	8-SOIC	2.60	1.96
DS1722S+TR-ND	2-Wire Digital Thermometer and Thermostat*	8-SOIC	3675.00/2,500	
DS1722U-ND	2-Wire Digital Thermometer and Thermostat*	8-MSOP	2.65	2.00
DS1722U+-ND	2-Wire Digital Thermometer and Thermostat*	8-MSOP	2.65	2.00
DS1742W-120+-ND	3.3V, Y2KC Nonvolatile Timekeeping RAM, 120nS*	24-Dip	25.55	19.28
DS1742W-150-ND	3.3V, Y2KC Nonvolatile Timekeeping RAM, 150nS	24-Dip	24.27	18.32
DS1743-70-ND	5V, Y2KC Nonvolatile Timekeeping RAM, 70nS	28-Dip	26.77	20.20
DS1743WP-120+-ND	3.3V, Y2KC Nonvolatile Timekeeping RAM, 120nS*	34-PCM▲	31.01	23.40
DS1744-70-ND	5V, Y2KC Nonvolatile Timekeeping RAM, 70nS	28-Dip	29.23	22.06
DS1744-70+-ND	5V, Y2KC Nonvolatile Timekeeping RAM, 70nS*	28-Dip	29.23	22.06
DS1746WP-120-ND	3.3V, Y2KC Nonvolatile Timekeeping RAM, 120nS	34-PCM▲	52.50	39.62
DS1746WP-120+-ND	3.3V, Y2KC Nonvolatile Timekeeping RAM, 120nS*	34-PCM▲	36.68	27.68
DS1780E-ND	CPU Peripheral Monitor	24-TSSOP	5.04	3.80
DS1780E+-ND	CPU Peripheral Monitor*	24-TSSOP	5.04	3.80
DS1801E-014+-ND	Dual Audio Taper Potentiometer*	14-TSSOP	7.50	5.66
DS1803E-010+-ND	Addressable Dual Digital Potentiometer*	14-TSSOP	6.86	5.18
DS1803Z-010-ND	Addressable Dual Digital Potentiometer, 10K	16-SOIC	6.39	4.82
DS1803Z-010+-ND	Addressable Dual Digital Potentiometer, 10K*	16-SOIC	6.39	4.82
DS1803Z-050-ND	Addressable Dual Digital Potentiometer, 50K	16-SOIC	6.39	4.82
DS1803Z-050+-ND	Addressable Dual Digital Potentiometer, 50K*	16-SOIC	6.39	4.82
DS1803Z-100-ND	Addressable Dual Digital Potentiometer, 100K	16-SOIC	6.39	4.82
DS1803Z-100+-ND	Addressable Dual Digital Potentiometer, 100K*	16-SOIC	6.39	4.82
DS1804-010-ND	Nonvolatile Trimmer Potentiometer, 10K	8-Dip	3.10	2.34
DS1804-010+-ND	Nonvolatile Trimmer Potentiometer, 10K* ***NEW!***	8-Dip	3.10	2.34
DS1804-100-ND	Nonvolatile Trimmer Potentiometer, 100K	8-Dip	3.10	2.34
DS1804-100+-ND	Nonvolatile Trimmer Potentiometer, 100K* ***NEW!***	8-Dip	3.10	2.34
DS1804Z-010+-ND	Nonvolatile Trimmer Potentiometer, 10K*	8-SOIC	3.23	2.44
DS1804Z-050+-ND	Nonvolatile Trimmer Potentiometer, 50K*	8-SOIC	3.23	2.44
DS1804Z-100+-ND	Nonvolatile Trimmer Potentiometer, 100K*	8-SOIC	3.23	2.44
DS1806E-010+-ND	Digital Sextet Potentiometer, 10K*	20-TSSOP	6.32	8.03
DS1806E-050-ND	Digital Sextet Potentiometer, 50K	20-TSSOP	12.08	9.12
DS1806E-050+-ND	Digital Sextet Potentiometer, 50K*	20-TSSOP	12.08	9.12
DS1810-5+CT-ND	5V, EconoReset with Push-Pull Output, 5%*	TO-92	1.19	.90
DS1810-5+TR-ND	5V, EconoReset with Push-Pull Output, 5%*	TO-92	1350.00/2,000	
DS1810-10-ND	5V, EconoReset with Push-Pull Output, 10%	TO-92	1.11	.84
DS1811-5+CT-ND	5V, EconoReset with Open Drain Output, 5%*	TO-92	1.19	.90
DS1811-5+TR-ND	5V, EconoReset with Open Drain Output, 5%*	TO-92	1350.00/2,000	
DS1811-10-ND	5V, EconoReset with Open Drain Output, 10%	TO-92	1.11	.84
DS1811-10+CT-ND	5V, EconoReset with Open Drain Output, 10%*	TO-92	.98	.74
DS1811-10+TR-ND	5V, EconoReset with Open Drain Output, 10%*	TO-92	1110.00/2,000	
DS1811-15-ND	5V, EconoReset with Open Drain Output, 15%	TO-92	1.11	.84
DS1811R-5+CT-ND	5V, EconoReset with Open Drain Output, 5%*	SOT-23	1.03	.78
DS1811R-5+TR-ND	5V, EconoReset with Open Drain Output, 5%*	SOT-23	1755.00/3,000	
DS1811R-10+CT-ND	5V, EconoReset with Open Drain Output, 10%*	SOT-23	.80	.60
DS1811R-10+TR-ND	5V, EconoReset with Open Drain Output, 10%*	SOT-23	1350.00/3,000	
DS1812-5-ND	5V, EconoReset with Active High Push-Pull Output, 5%	TO-92	1.11	.84
DS1812-5+CT-ND	5V, EconoReset with Active High Push-Pull Output, 5%*	TO-92	1.19	.90
DS1812-5+TR-ND	5V, EconoReset with Active High Push-Pull Output, 5%*	TO-92	1350.00/2,000	
DS1812-10-ND	5V, EconoReset with Active High Push-Pull Output, 10%	TO-92	1.11	.84
DS1812-10+CT-ND	5V, EconoReset with Active High Push-Pull Output, 10%*	TO-92	1.19	.90
DS1812-10+TR-ND	5V, EconoReset with Active High Push-Pull Output, 10%*	TO-92	1350.00/2,000	
DS1813-5+CT-ND	5V, EconoReset with Pushbutton, 5%*	TO-92	1.19	.90
DS1813-5+TR-ND	5V, EconoReset with Pushbutton, 5%*	TO-92	1350.00/2,000	
DS1813-10+CT-ND	5V, EconoReset with Pushbutton, 10%*	TO-92	1.19	.90
DS1813-10+TR-ND	5V, EconoReset with Pushbutton, 10%*	TO-92	1350.00/2,000	
DS1813R-5+CT-ND	5V, EconoReset with Pushbutton, 5%*	SOT-23	.80	.60
DS1813R-5+TR-ND	5V, EconoReset with Pushbutton, 5%*	SOT-23	1350.00/3,000	
DS1814CR-10+CT-ND	5V, MicroMonitor with Pushbutton Reset, 10%*	SOT-23-5	1.38	1.04
DS1814CR-10+TR-ND	5V, MicroMonitor with Pushbutton Reset, 10%*	SOT-23-5	2340.00/3,000	
DS1815-10+CT-ND	3.3V, EconoReset with Push-Pull Output, 10%*	TO-92	1.19	.90
DS1815-10+TR-ND	3.3V, EconoReset with Push-Pull Output, 10%*	TO-92	1350.00/2,000	
DS1818-10-ND	3.3V, EconoReset with Pushbutton, 10%	TO-92	1.11	.84
DS1818-10+CT-ND	3.3V, EconoReset with Pushbutton, 10%*	TO-92	1.19	.90
DS1818-10+TR-ND	3.3V, EconoReset with Pushbutton, 10%*	TO-92	1350.00/2,000	
DS1818R-10+CT-ND	3.3V, EconoReset with Pushbutton, 10%*	SOT-23	.80	.60
DS1818R-10+TR-ND	3.3V, EconoReset with Pushbutton, 10%*	SOT-23	1350.00/3,000	
DS1821+-ND	Programmable Digital Thermostat and Thermometer*	3-PR35	6.31	4.76
DS1821S-ND	Programmable Digital Thermostat and Thermometer	8-SOIC	6.31	4.76
DS1821S+-ND	Programmable Digital Thermostat and Thermometer*	8-SOIC	6.31	4.76
DS1822+-ND	Econo 1-Wire® Digital Thermometer*	TO-92	3.87	2.92
DS1831S+-ND	Multi-Supply Micromonitor*	16-SOIC	6.76	5.10
DS1832S+-ND	3.3V, MicroMonitor Chip*	8-SOIC	1.86	1.40
DS1833-5+-ND	5V, Microprocessor EconoReset, 5%*	TO-92	1.80	1.36
DS1833-10+-ND	5V, Microprocessor EconoReset, 10%*	TO-92	1.80	1.36
DS1833Z-5+CT-ND	5V, Microprocessor EconoReset, 5%*	SOT-223	3.37	2.54
DS1833Z-5+TR-ND	5V, Microprocessor EconoReset, 5%*	SOT-223	4762.50/2,500	
DS1833Z-10-ND	5V, Microprocessor EconoReset, 10%	SOT-223	3.15	2.38
DS1833Z-10+-ND	5V, Microprocessor EconoReset, 10%* ***NEW!***	SOT-223	3.15	2.38
DS1833Z-10+CT-ND	5V, Microprocessor EconoReset, 10%* ***NEW!***	SOT-223	3.37	2.54
DS1833Z-10+TR-ND	5V, Microprocessor EconoReset, 10%* ***NEW!***	SOT-223	4762.50/2,500	
DS1834AS+-ND	Dual Microprocessor EconoReset with Pushbutton*	8-SOIC	2.41	1.82
DS1834AU+CT-ND	Dual Microprocessor EconoReset with Pushbutton*	8-MSOP	2.68	2.02
DS1834AU+TR-ND	Dual Microprocessor EconoReset with Pushbutton*	8-MSOP	4545.00/3,000	
DS1834S-ND	Dual Microprocessor EconoReset with Pushbutton	8-SOIC	2.41	1.82
DS1834S+-ND	Dual Microprocessor EconoReset with Pushbutton*	8-SOIC	2.41	1.82
DS1844S-010-ND	Quad Digital Potentiometer	20-SOIC	5.78	4.36
DS1845E-010+-ND	Dual Nonvolatile Potentiometer and Memory, 10K*	14-TSSOP	3.82	2.88
DS1845E-100+-ND	Dual Nonvolatile Pot. and Memory, 100K*	14-TSSOP	3.82	2.88
DS1866Z-ND	2.7-5.5V, Log Trimmer Potentiometer	8-Dip	2.94	2.22
DS1867-10-ND	Dual Digital Potentiometer with EEPROM, 10K	14-Dip	8.80	6.64

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25
DS1867-10+-ND	Dual Digital Potentiometer with EEPROM, 10K*	14-Dip	8.80	6.64
DS1867-50+-ND	Dual Digital Potentiometer with EEPROM, 50K*	14-Dip	8.80	6.64
DS1867-100-ND	Dual Digital Potentiometer with EEPROM, 100K	14-Dip	8.80	6.64
DS1867E-10-ND	Dual Digital Potentiometer with EEPROM, 10K	20-TSSOP	9.99	7.54
DS1867E-10+-ND	Dual Digital Potentiometer with EEPROM, 10K*	20-TSSOP	9.99	7.54
DS1867S-10-ND	Dual Digital Potentiometer with EEPROM, 10K	16-SOIC	9.73	7.34
DS1867S-10+-ND	Dual Digital Potentiometer with EEPROM, 10K*	16-SOIC	9.73	7.34
DS1868-10+-ND	Dual Digital Potentiometer Chip, 10K*	14-Dip	5.59	4.22
DS1868E-10+-ND	Dual Digital Potentiometer Chip, 10K*	20-TSSOP	6.78	5.12
DS1868S-10-ND	Dual Digital Potentiometer Chip, 10K	16-SOIC	5.88	4.44
DS1868S-10+-ND	Dual Digital Potentiometer Chip, 10K*	16-SOIC	5.88	4.44
DS1869-10-ND	3V, Dallastat™ Electronic Digital Rheostat, 10K	8-Dip	5.64	4.26
DS1869-10+-ND	3V, Dallastat™ Electronic Digital Rheostat, 10K*	8-Dip	5.64	4.26
DS1869S-10-ND	3V, Dallastat™ Electronic Digital Rheostat, 10K	8-SOIC	5.88	4.44
DS1869S-10+-ND	3V, Dallastat™ Electronic Digital Rheostat, 10K*	8-SOIC	5.88	4.44
DS1869S-50-ND	3V, Dallastat™ Electronic Digital Rheostat, 50K	8-SOIC	5.88	4.44
DS1869S-50+-ND	3V, Dallastat™ Electronic Digital Rheostat, 50K*	8-SOIC	5.88	4.44
DS2016-100+-ND	3V/5V, 2K x 8, Operation Static RAM* ***NEW!***	24-Dip	11.13	8.40
DS2108S+-ND	Differential SCSI Switchable Terminator*	24-SOIC	19.80	14.94
DS2118MB-ND	Ultra2 LVD/SE SCSI Terminator	36-SSOP	7.45	5.62
DS2118MB+-ND	Ultra2 LVD/SE SCSI Terminator*	36-SSOP	3.31	2.50
DS2119ME-ND	Ultra3 LVD/SE SCSI Terminator	28-TSSOP	3.13	2.36
DS2119ME+-ND	Ultra3 LVD/SE SCSI Terminator*	28-TSSOP	2.15	2.08
DS2141AQ-ND	5V, T1 Framer Controller	44-PLCC	50.99	38.48
DS2143Q-ND	5V, E1 Framer Controller	44-PLCC	50.99	38.48
DS2151QB-ND	5V, T1 Single Chip Transceiver	44-PLCC	77.65	58.60
DS2151QNB-ND	5V, T1 Single Chip Transceiver, Ind. Temperature	44-PLCC	89.31	67.40
DS2152LN-ND	Enhanced T1 Single-Chip Transceiver, Ind. Temperature	100-LQFP	79.26	59.82
DS2153Q-A7-ND	5V, E1 Single-Chip Transceiver	44-PLCC	77.65	58.60
DS2154L-ND	5V, Enhanced E1 Single Chip Transceiver	100-LQFP	68.98	52.06
DS2165Q-ND	5V, ADPCM Processor 16/24/32kpbs	24-PLCC	41.55	31.36
DS2165Q+-ND	5V, ADPCM Processor 16/24/32kpbs* ***NEW!***	24-PLCC	37.18	24.70
DS2172T-ND	Bit Error Rate Tester (BERT), 8-Bit	32-TQFP	18.26	13.78
DS2172T+-ND	Bit Error Rate Tester (BERT), 8-Bit*	32-TQFP	17.20	12.98
DS2175S-ND	T1/CEPT Elastic Store	16-SOIC	26.82	20.24
DS2176Q-ND	T1 Receive Buffer	28-PLCC	31.14	23.50
DS2180A+-ND	T1 Transceiver* ***NEW!***	40-Dip	32.33	24.40
DS2181A-ND	CEPT Primary Rate Transceiver	40-Dip	58.78	44.36
DS2181A+-ND	CEPT Primary Rate Transceiver* ***NEW!***	40-Dip	52.60	39.70
DS2181AQ-ND	CEPT Primary Rate Transceiver	44-PLCC	64.58	48.74
DS2187-ND	Receive Line Interface	18-Dip	34.74	26.22
DS2187S-ND	Receive Line Interface	20-SOIC	38.13	28.78
DS2188-ND	T1/CEPT Jitter Attenuator	16-Dip	15.82	11.98
DS2188S-ND	T1/CEPT Jitter Attenuator	16-SOIC	17.62	13.30
DS2282/8722282000-ND	T1 FDL Controller/Monitor Stik	30-SIP	118.83	89.68
DS2401+-ND	Silicon Serial Number, 48-Bit, 1-Wire®*	TO-92	1.86	1.40
DS2401P+-ND	Silicon Serial Number, 48-Bit, 1-Wire®*	6-TSOC	2.01	1.52
DS2401X1CT-ND	Silicon Serial Number, 48-Bit, 1-Wire®	6-CSP	1.03	.94
DS2401X1TR-ND	Silicon Serial Number, 48-Bit, 1-Wire®	6-CSP	4680.00/10,000	
DS2401Z+-ND	Silicon Serial Number, 48-Bit, 1-Wire®*	SOT-223	2.28	1.72
DS2404B-ND	EconoRAM Time Chip	16-SSOP	11.08	8.36
DS2404B+-ND	EconoRAM Time Chip* ***NEW!***	16-SSOP	11.08	8.36
DS2404S-001-ND	EconoRAM Time Chip	16-SOIC	10.57	7.98
DS2404S-001+-ND	EconoRAM Time Chip* ***NEW!***	16-SOIC	10.57	7.98
DS2405-ND	Addressable Switch, Open Drain	TO-92	2.23	1.68
DS2405+-ND	Addressable Switch, Open Drain* ***NEW!***	TO-92	2.23	1.68
DS2405Z-ND	Addressable Switch, Open Drain	SOT-223	2.41	1.82
DS2405Z+-ND	Addressable Switch, Open Drain* ***NEW!***	SOT-223	2.41	1.82
DS2406P+-ND	Dual Addressable Switch Plus 1K-Bit Memory*	6-TSOC	6.78	5.12
DS2417P-ND	1-Wire® Time Chip with Interrupt	6-TSOC	2.70	2.04
DS2417P+-ND	1-Wire® Time Chip with Interrupt*	6-TSOC	2.70	2.04
DS2430A+-ND	256-Bit 1-Wire® EEPROM*	TO-92	3.39	2.56
DS2430AP+-ND	256-Bit 1-Wire® EEPROM*	6-TSOC	3.52	2.66
DS2432P-ND	1K-Bit Protected 1-Wire® EEPROM	6-TSOC	6.25	4.72
DS2433S+-ND	4kb, 1-Wire® EEPROM*	8-SOIC	3.98	3.84
DS2436B+-ND	Battery Identification/Monitor Chip*	TO-92	4.11	3.10
DS2436Z+-ND	Battery Identification/Monitor Chip*	8-SOIC	4.11	3.10
DS2436Z+-ND	Smart Battery Monitor*	8-SOIC	5.27	3.98
DS2450S+-ND	1-Wire® Quad A/D Converter*	8-SOIC	8.72	6.58
DS2480B+-ND	Serial 1-Wire® Line Driver with Load Sensor*	8-SOIC	6.84	5.16
DS2502P+-ND	1K-Bit Add-Only Memory*	6-TSOC	2.90	2.80
DS2502S+-ND	1K-Bit Add-Only Memory*	8-SOIC	4.61	3.48
DS2505+-ND	16K-Bit Add-Only Memory*	TO-92	4.37	3.30
DS2505P-ND	16K-Bit Add-Only Memory	6-TSOC	4.37	3.30
DS2505P+-ND	16K-Bit Add-Only Memory*	6-TSOC	3.01	2.91
DS5001FP-16-ND	128K Soft Microprocessor Chip	80-MQFP	35.25	26.60
DS9034PC-ND	PowerCap Module without Crystal	Powercap Module	7.58	5.72
DS9034PC+-ND	PowerCap Module without Crystal*	Powercap Module	7.58	5.72
DS9034PCX+-ND	PowerCap Module with Crystal*	Powercap Module	9.86	7.44
DS9503P-ND	ESD Protection Diode	6-TSOC	1.03	.78
DS9503P+-ND	ESD Protection Diode*	6-TSOC	1.03	.78
DS9503P+-ND	ESD Protection Diode with Resistor*	6-TSOC	1.11	.84
DS12885Q+-ND	Real-Time Clock with RAM, 128-Byte*	28-PLCC	8.03	6.06
DS12887-ND	Real-Time Clock with RAM, 128-Byte	24-Dip	8.96	6.76
DS12887+-ND	Real-Time Clock with RAM, 128-Byte*	24-Dip	8.96	6.76
DS12887A-ND	Real-Time Clock with RAM, 128-Byte	24-Dip	8.96	6.76
DS12887A+-ND	Real-Time Clock with RAM, 128-Byte*	24-Dip	8.96	6.76
DS14285Q-ND	Real-Time Clock with NV RAM Control	28-PLCC	8.03	6.06
DS14287+-ND	Real-Time Clock with NV RAM Control*	24-Dip	10.94	8.26
DS17287-5+-ND	5V, Real-Time Clock with Battery and Crystal*	24-Dip	14.79	11.16
DS17887-5-ND	5V, Real-Time Clock	24-Dip	22.34	16.86
DS17887-5+-ND	5V, Real-Time Clock*	24-Dip	22.34	16.86
DS21352L-ND	3.3V, T1 Single Chip Transceiver	100-LQFP	55.04	41.54
DS21352LN-ND	3.3V, T1 Single Chip Transceiver	100-LQFP	63.20	47.70
DS21354L-ND	3.3V, E1 Single Chip Transceiver	100-LQFP	55.04	41.54
DS21354L+-ND	3.3V, E1 Single Chip Transceiver*	100-LQFP	39.64	29.92
DS21600SN+-ND	3.3V/5V, Clock Rate Adapter*	16-SOIC	25.60	24.70

▲DS9034PCX Powercap required; order DS9034PCX-ND

* ***RoHS Compliant***

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Micron — DRAM

Micron Technology Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
DDR						
MT46V64M4TG-5B:G TR	557-1033-2-ND	DDR SDRAM, 256Mb	66-TSOP		4332.00/1,000	
MT46V64M4TG-6T:G TR	557-1034-1-ND	DDR SDRAM, 256Mb	66-TSOP	6.50	4.79	4.45
MT46V64M4TG-6T:G TR	557-1034-2-ND	DDR SDRAM, 256Mb	66-TSOP		4104.00/1,000	
MT46V64M8BN-5B:F TR	557-1174-1-ND	DDR SDRAM, 512Mb	60-FBGA	18.26	14.22	13.35
MT46V64M8BN-5B:F TR	557-1174-2-ND	DDR SDRAM, 512Mb	60-FBGA		12279.00/1,000	
MT46V64M8FN-5B:D TR	557-1035-1-ND	DDR SDRAM, 512Mb	60-FBGA	17.77	14.11	13.07
MT46V64M8FN-5B:D TR	557-1035-2-ND	DDR SDRAM, 512Mb	60-FBGA		12227.00/1,000	
MT46V64M8BN-6:F TR	557-1175-1-ND	DDR SDRAM, 512Mb	60-FBGA	17.26	13.44	12.62
MT46V64M8BN-6:F TR	557-1175-2-ND	DDR SDRAM, 512Mb	60-FBGA		11609.00/1,000	
MT46V64M8FN-6:D TR	557-1036-1-ND	DDR SDRAM, 512Mb	60-FBGA	16.80	13.34	12.35
MT46V64M8FN-6:D TR	557-1036-2-ND	DDR SDRAM, 512Mb	60-FBGA		11560.00/1,000	
MT46V64M8TG-5B:D TR	557-1037-1-ND	DDR SDRAM, 512Mb	66-TSOP	11.31	8.98	8.32
MT46V64M8TG-5B:D TR	557-1037-2-ND	DDR SDRAM, 512Mb	66-TSOP		7781.00/1,000	
MT46V64M8P-6T:F TR	557-1176-1-ND	DDR SDRAM, 512MB	66-TSOP	12.69	9.53	8.75
MT46V64M8P-6T:F TR	557-1176-2-ND	DDR SDRAM, 512MB	66-TSOP		8000.00/1,000	
MT46V64M8TG-6T:D TR	557-1039-1-ND	DDR SDRAM, 512Mb	66-TSOP	11.31	8.98	8.32
MT46V64M8TG-6T:D TR	557-1039-2-ND	DDR SDRAM, 512Mb	66-TSOP		7781.00/1,000	
MT46V128M4FN-5B:D TR	557-1011-1-ND	DDR SDRAM, 512Mb	60-FBGA	19.79	15.72	14.55
MT46V128M4FN-5B:D TR	557-1011-2-ND	DDR SDRAM, 512Mb	60-FBGA		13619.00/1,000	
MT46V128M4FN-6:D TR	557-1012-1-ND	DDR SDRAM, 512Mb	60-FBGA	18.82	14.95	13.84
MT46V128M4FN-6:D TR	557-1012-2-ND	DDR SDRAM, 512Mb	60-FBGA		12952.00/1,000	
MT46V128M4TG-5B:D TR	557-1013-1-ND	DDR SDRAM, 512Mb	66-TSOP	15.67	12.45	11.53
MT46V128M4TG-5B:D TR	557-1013-2-ND	DDR SDRAM, 512Mb	66-TSOP		10787.00/1,000	
MT46V128M4TG-6T:D TR	557-1014-1-ND	DDR SDRAM, 512Mb	66-TSOP	14.86	11.80	10.93
MT46V128M4TG-6T:D TR	557-1014-2-ND	DDR SDRAM, 512Mb	66-TSOP		10226.00/1,000	
DDR2						
MT47H16M16BG-3:B TR	557-1046-1-ND	DDR2 SDRAM, 256Mb	84-FBGA	7.79	6.19	5.73
MT47H16M16BG-3:B TR	557-1046-2-ND	DDR2 SDRAM, 256Mb	84-FBGA		5359.00/3,000	
MT47H16M16BG-37E:B TR	557-1045-1-ND	DDR2 SDRAM, 256Mb	84-FBGA	8.30	6.12	5.69
MT47H16M16BG-37E:B TR	557-1045-2-ND	DDR2 SDRAM, 256Mb	84-FBGA		5244.00/1,000	
MT47H32M16BN-3:D TR	557-1203-1-ND	DDR2 SDRAM, 512Mb * **NEW!**	84-FBGA	14.04	10.54	9.68
MT47H32M16BN-3:D TR	557-1203-2-ND	DDR2 SDRAM, 512Mb * **NEW!**	84-FBGA		9864.00/1,000	
MT47H32M16BT-3:A TR	557-1049-1-ND	DDR2 SDRAM, 512Mb	92-FBGA	45.26	37.96	35.77
MT47H32M16CC-3:B TR	557-1200-1-ND	DDR2 SDRAM, 512Mb	84-FBGA	12.51	9.94	9.20
MT47H32M8BP-3:B TR	557-1050-1-ND	DDR2 SDRAM, 256Mb	60-FBGA	28.05	22.28	20.63
MT47H32M8BP-3:B TR	557-1050-2-ND	DDR2 SDRAM, 256Mb	60-FBGA		19305.00/1,000	
MT47H32M8BP-37E:B TR	557-1049-1-ND	DDR2 SDRAM, 256Mb	60-FBGA	8.30	6.12	5.69
MT47H32M8BP-37E:B TR	557-1049-2-ND	DDR2 SDRAM, 256Mb	60-FBGA		5244.00/1,000	
MT47H128M4BT-37E:A TR	557-1044-1-ND	DDR2 SDRAM, 512Mb	92-FBGA	26.52	21.06	19.50

Micron — FLASH

Micron Technology Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
NAND Flash — RoHS Compliant						
MT29F2G08AACWP:C TR	557-1201-1-ND	2Gb, 3.3V **NEW!**	48-TSOP	26.55	20.68	19.42
MT29F2G08AACWP:C TR	557-1201-2-ND	2Gb, 3.3V **NEW!**	48-TSOP		17860.00/1,000	
MT29F2G16AABWP-ET	557-1151-1-ND	2Gb, 3.3V	48-TSOP	26.69	21.20	19.63
MT29F2G16AABWP-ET	557-1151-2-ND	2Gb, 3.3V	48-TSOP		18369.00/1,000	
MT29F4G08AAAWP:A TR	557-1202-1-ND	4Gb, 3.3V **NEW!**	48-TSOP	50.61	41.86	39.25
MT29F4G08AAAWP:A TR	557-1202-2-ND	4Gb, 3.3V **NEW!**	48-TSOP		36286.00/1,000	
MT29F4G08ABAWP	557-1152-1-ND	4Gb, 3.3V	48-TSOP	52.52	41.38	39.79
MT29F4G16BABWP	557-1154-1-ND	4Gb, 3.3V	48-TSOP	47.03	37.05	35.63

Micron — PSRAM

Micron Technology Part No.	Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
MT45W1MW16PABB-706 WT TR	557-1006-1-ND	Async./Page/Burst CellularRAM, 16Mb	54-VFBGA	5.04	3.48	3.20
MT45W1MW16PABB-706 WT TR	557-1006-2-ND	Async./Page/Burst CellularRAM, 16Mb	54-VFBGA		5880.00/2,000	
MT45W2MW16PABB-706 WT TR	557-1007-1-ND	Async./Page/Burst CellularRAM, 32Mb	54-VFBGA	5.99	4.14	3.80
MT45W2MW16PABB-706 WT TR	557-1007-2-ND	Async./Page/Burst CellularRAM, 32Mb	54-VFBGA		6982.00/2,000	
MT45W4MW16BBB-706 WT TR	557-1008-1-ND	Async./Page/Burst CellularRAM, 64Mb	54-VFBGA	9.50	7.00	6.50
MT45W4MW16BBB-706 WT TR	557-1008-2-NQ	Async./Page/Burst CellularRAM, 64Mb	54-VFBGA		12000.00/2,000	
MT45W4MW16BBB-708 WT TR	557-1009-1-ND	Async./Page/Burst CellularRAM, 64Mb	54-VFBGA	9.50	7.00	6.50
MT45W4MW16BCGB-708 WT TR	557-1172-1-ND	Async./Page/Burst CellularRAM, 1.0 Memory*	54-VFBGA	9.06	6.81	6.25
MT45W4MW16BCGB-708 WT TR	557-1172-2-ND	Async./Page/Burst CellularRAM, 1.0 Memory*	54-VFBGA		11428.00/2,000	
MT45W8MW16BGX-708 WT TR	557-1010-1-ND	Async./Page/Burst CellularRAM, 128Mb	54-VFBGA	8.98	7.19	6.67
MT45W8MW16BGX-708 WT TR	557-1010-2-ND	Async./Page/Burst CellularRAM, 128Mb	54-VFBGA		6028.00/1,000	

MEMORY

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
FLASH MEMORY					
Toshiba					
TC58FVB160AFTG-70-ND	16M-Bit 3V CMOS (2M x 8 / 1M x 16) Bottom Boot Block* **NEW!**	48-TSOP	3.94	3.15	2.45
TC58FVT160AFT-70-ND	16M-Bit 3V CMOS (2M x 8 / 1M x 16) Top Boot Block	48-TSOP	3.94	3.15	2.45
TC58FVM5B2ATG65CAH-ND	32M-Bit 3V NOR CMOS (4M x 8 / 2M x 16) Bottom Boot Block*	48-TSOP	5.18	4.14	3.22
TC58FVM5T2ATG65CAH-ND	32M-Bit 3V NOR CMOS (4M x 8 / 2M x 16) Top Boot Block*	48-TSOP	5.18	4.14	3.22
TC58FVM6T5BTG65-ND	64M-Bit 3V NOR CMOS (8M x 8 / 4M x 16) Top Boot Block*	48-TSOP	8.00	6.40	5.40
TC58FVM6B5BTG65-ND	64M-Bit 3V NOR CMOS (8M x 8 / 4M x 16) Bottom Boot Block*	48-TSOP	8.00	6.40	5.40
TC58FVM7B2ATG-65-ND	128M-Bit 3V NOR CMOS (16M x 8 / 8M x 16) Bottom Boot Block	56-TSOP	10.83	9.75	8.65
TC58FVM7B5BTG-65-ND	128M-Bit 3V NOR CMOS (16M x 8 / 8M x 16) Bottom Boot Block*	56-TSOP	10.33	9.30	8.25
TC58FVM7T5BTG65-ND	128M-Bit 3V NOR CMOS (16M x 8 / 8M x 16) Top Boot Block*	56-TSOP	10.33	9.30	8.25
SRAM					
Toshiba					
TC55NEM208AFGN55L-ND	4M-Bit SRAM (512K x 8)	32-SOP	5.18	4.14	3.22
TC55VEM416AXGN55-ND	16M-Bit SRAM (1M x 16)	48-BGA	16.50	15.40	14.30
Serial EEPROMs					
Microchip Technology					
AC812001-ND	PICSEE™ Introduction Design Kit	—	330.00	—	—
DV243002-ND	SEEPROM Designer's Development Kit	—	99.99	—	—
SEEPROM1-KIT-ND	Digi-Key® Low-Density Serial EEPROM Kit	—	17.95	—	—
SEEPROM2-KIT-ND	Digi-Key® Mid-Density Serial EEPROM Kit	—	17.95	—	—
SEEPROM3-KIT-ND	Digi-Key® High-Density Serial EEPROM Kit	—	19.95	—	—
SEEPROM4-KIT-ND	Digi-Key® Combo-Density Serial EEPROM Kit	—	29.95	—	—
2 Wire Interface					
24AA00-I/P-ND	16x8 I²C Serial EEPROM 1.8V	8-Dip	.38	.21	.20
24AA00-I/SN-ND	16x8 I²C Serial EEPROM 1.8V	8-SOIC	.35	.20	.19
24AA00-I/ST-ND	16x8 I²C Serial EEPROM 1.8V	8-TSSOP	.43	.23	.22
24AA00T-I/OTCT-ND	16x8 I²C Serial EEPROM 1.8V	SOT-23-5	.39	.35	.32
24AA00T-I/OTTR-ND	16x8 I²C Serial EEPROM 1.8V	SOT-23-5		570.00/3,000	
24LC00/P-ND	16x8 I²C Serial EEPROM 2.5V	8-Dip	.38	.21	.20
24LC00/SN-ND	16x8 I²C Serial EEPROM 2.5V	8-SOIC	.35	.20	.19
24LC00-I/P-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.38	.21	.20
24LC00-I/SN-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.35	.20	.19
24LC00-I/ST-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.43	.23	.22
24LC00T-I/MCCT-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.56	.50	.45
24LC00T-I/MCTR-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		858.00/3,000	
24LC00T-I/OTCT-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.39	.35	.32
24LC00T-I/OTTR-ND	16x8 I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		570.00/3,000	
24C00/P-ND	16x8 I²C Serial EEPROM 5V	8-Dip	.38	.21	.20
24C00-I/P-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	8-Dip	.38	.21	.20
24C00-I/SN-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	8-SOIC	.35	.20	.19
24C00-I/ST-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	8-TSSOP	.43	.23	.22
24C00T-I/MCCT-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	8-DFN	.56	.50	.45
24C00T-I/MCTR-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	8-DFN		858.00/3,000	
24C00T-I/OTCT-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	SOT-23-5	.39	.35	.32
24C00T-I/OTTR-ND	16x8 I²C Serial EEPROM, Ind. Temp. 5V	SOT-23-5		570.00/3,000	
24AA01-I/MS-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.50	.27	.26
24AA01-I/P-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.45	.25	.24
24AA01-I/SN-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.43	.25	.22
24AA01-I/ST-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.50	.27	.26
24AA01T-I/OTCT-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5	.48	.43	.39
24AA01T-I/OTTR-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5		660.00/3,000	
24LC01B/P-ND	1K (128x8) I²C Serial EEPROM 2.5V	8-Dip	.43	.23	.22
24LC01B/SN-ND	1K (128x8) I²C Serial EEPROM 2.5V	8-SOIC	.38	.21	.20
24LC01B-I/MS-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.45	.25	.24
24LC01B-I/P-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.43	.23	.22
24LC01B-I/SN-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.38	.21	.20
24LC01B-I/ST-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.45	.25	.24
24LC01B-I/MCCT-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.59	.53	.48
24LC01BT-I/MCTR-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		924.00/3,000	
24LC01BT-I/OTCT-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.42	.38	.34
24LC01BT-I/OTTR-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		600.00/3,000	
24LC01BT-I/SNCT-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.42	.38	.34
24LC01BT-I/SNTR-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC		660.00/3,000	
24C01C/P-ND	1K (128x8) I²C Serial EEPROM 5V (fast byte write)	8-Dip	.53	.29	.28
24C01C/SN-ND	1K (128x8) I²C Serial EEPROM 5V (fast byte write)	8-SOIC	.50	.27	.26
24C01C-I/MS-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-MSOP	.55	.31	.30
24C01C-I/P-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-Dip	.53	.29	.28
24C01C-I/SN-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-SOIC	.50	.27	.26
24C01C-I/ST-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-TSSOP	.55	.31	.30
24C01CT-I/MCCT-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-DFN	.70	.63	.57
24C01CT-I/MCTR-ND	1K (128x8) I²C Serial EEPROM, Ind. Temp. 5V	8-DFN		1089.00/3,000	
24AA02-I/MS-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.50	.27	.26
24AA02-I/P-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.45	.25	.24
24AA02-I/SN-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.43	.23	.22
24AA02-I/ST-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.50	.27	.26
24AA02T-I/OTCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5	.48	.43	.39
24AA02T-I/OTTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5		660.00/3,000	
24AA025T-I/MCCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	.84	.77	.73
24AA025T-I/MCTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN		1221.00/3,000	
24LCS52T-I/MCCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.2V	8-DFN	.78	.70	.63
24LCS52T-I/MCTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.2V	8-DFN		1221.00/3,000	
24LC02B/P-ND	2K (256x8) I²C Serial EEPROM 2.5V	8-Dip	.45	.25	.24
24LC02B/SN-ND	2K (256x8) I²C Serial EEPROM 2.5V	8-SOIC	.43	.23	.22
24LC02B/ST-ND	2K (256x8) I²C Serial EEPROM 2.5V	8-TSSOP	.50	.27	.26
24LC02B-I/MS-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.50	.27	.26
24LC02B-I/P-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.45	.25	.24
24LC02B-I/SN-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.43	.23	.22
24LC02B-I/ST-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.50	.27	.26
24LC02BT-I/MCCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.62	.55	.50
24LC02BT-I/MCTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		990.00/3,000	
24LC02BT-I/OTCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.48	.43	.39
24LC02BT-I/OTTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		660.00/3,000	

* RoHS Compliant

(Continued)

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Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
24C02C/P-ND	2K (256x8) I²C Serial EEPROM 5V (fast byte write)	8-Dip	.53	.29	.28
24C02C/SN-ND	2K (256x8) I²C Serial EEPROM 5V (fast byte write)	8-SOIC	.50	.27	.26
24C02C-I/MS-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8-MSOP	.55	.31	.30
24C02C-I/P-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8Dip	.53	.29	.28
24C02C-I/SN-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8-SOIC	.50	.27	.26
24C02C-I/ST-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8-TSSOP	.55	.31	.30
24C02CT-I/MCCT-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8-DFN	.70	.63	.57
24C02CT-I/MCTR-ND	2K (256x8) I²C Serial EEPROM, Ind. Temp. 5V	8-DFN		1089.00/3,300	
24AA04-I/MS-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.53	.29	.28
24AA04-I/P-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.50	.27	.26
24AA04-I/SN-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.45	.25	.24
24AA04-I/ST-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.53	.29	.28
24AA04T-I/OTCT-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5	.50	.45	.41
24AA04T-I/OTTR-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5		720.00/3,000	
24LC04B/P-ND	4K (512x8) I²C Serial EEPROM 2.5V	8-Dip	.50	.27	.26
24LC04B/SN-ND	4K (512x8) I²C Serial EEPROM 2.5V	8-SOIC	.45	.25	.24
24LC04B/ST-ND	4K (512x8) I²C Serial EEPROM 2.5V	8-TSSOP	.53	.29	.28
24LC04B-I/P-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.50	.27	.26
24LC04B-I/SN-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.45	.25	.24
24LC04B-I/ST-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.53	.29	.28
24LC04B-I/MS-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.53	.29	.28
24LC04BT-I/MCCT-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.67	.60	.54
24LC04BT-I/MCTR-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		1023.00/3,300	
24LC04BT-I/OTCT-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.50	.45	.41
24LC04BT-I/OTTR-ND	4K (512x8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		720.00/3,000	
24AA08-I/MS-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.55	.31	.30
24AA08-I/P-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.53	.29	.28
24AA08-I/SN-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.50	.27	.26
24AA08-I/ST-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.55	.31	.30
24AA08T-I/OTCT-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5	.56	.50	.45
24AA08T-I/OTTR-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5		780.00/3,000	
24LC08B/P-ND	8K (1Kx8) I²C Serial EEPROM 2.5V	8-Dip	.53	.29	.28
24LC08B/SN-ND	8K (1Kx8) I²C Serial EEPROM 2.5V	8-SOIC	.50	.27	.26
24LC08B/ST-ND	8K (1Kx8) I²C Serial EEPROM 2.5V	8-TSSOP	.55	.31	.30
24LC08B-I/MS-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.55	.31	.30
24LC08B-I/P-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.53	.29	.28
24LC08B-I/SN-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.50	.27	.26
24LC08B-I/ST-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.55	.31	.30
24LC08BT-I/MCCT-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.70	.63	.57
24LC08BT-I/MCTR-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		1089.00/3,300	
24LC08BT-I/OTCT-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.56	.50	.45
24LC08BT-I/OTTR-ND	8K (1Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		780.00/3,000	
24AA16-I/MS-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.60	.33	.31
24AA16-I/P-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.55	.31	.30
24AA16-I/SN-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.53	.29	.28
24AA16-I/ST-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.60	.33	.31
24AA16T-I/MCCT-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	.76	.68	.61
24AA16T-I/MCTR-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN		1155.00/3,300	
24AA16T-I/OTCT-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5	.59	.53	.48
24AA16T-I/OTTR-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	SOT-23-5		840.00/3,000	
24LC16B/P-ND	16K (2Kx8) I²C Serial EEPROM 2.5V	8 Dip	.55	.31	.30
24LC16B/SN-ND	16K (2Kx8) I²C Serial EEPROM 2.5V	8-SOIC	.53	.29	.28
24LC16B-E/SN-ND	16K (2Kx8) I²C Serial EEPROM 2.5V	8-SOIC	.63	.35	.33
24LC16B-I/MS-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.60	.33	.31
24LC16B-I/P-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.55	.31	.30
24LC16B-I/ST-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.60	.33	.31
24LC16B-I/SN-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.53	.29	.28
24LC16BT-I/MCCT-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.76	.68	.61
24LC16BT-I/MCTR-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		1155.00/3,300	
24LC16BT-I/OTCT-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5	.59	.53	.48
24LC16BT-I/OTTR-ND	16K (2Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	SOT-23-5		840.00/3,000	
24AA32A-I/MS-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.73	.41	.39
24AA32A-I/P-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.70	.39	.37
24AA32A-I/SM-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.70	.39	.37
24AA32A-I/SN-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.68	.37	.35
24AA32A-I/ST-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.73	.41	.39
24AA32AT-I/MCCT-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	.90	.80	.72
24AA32AT-I/MCTR-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN		1419.00/3,300	
24AA32AT-I/MSCT-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.81	.73	.66
24AA32AT-I/MSTR-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP		975.00/2,500	
24LC32A/P-ND	32K (4Kx8) I²C Serial EEPROM 2.5V	8-Dip	.70	.39	.37
24LC32A/SN-ND	32K (4Kx8) I²C Serial EEPROM 2.5V	8-SOIC	.68	.37	.35
24LC32A-I/MS-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.73	.41	.39
24LC32A-I/P-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.70	.39	.37
24LC32A-I/SM-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.70	.39	.37
24LC32A-I/SN-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.68	.37	.35
24LC32A-I/ST-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.73	.41	.39
24LC32AT-I/MCCT-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	.90	.80	.72
24LC32AT-I/MCTR-ND	32K (4Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		1419.00/3,300	
24AA64-I/MS-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	.88	.48	.46
24AA64-I/P-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	.85	.46	.44
24AA64-I/SM-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.85	.46	.44
24AA64-I/SN-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	.80	.45	.43
24AA64-I/ST-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	.88	.48	.46
24AA64T-I/MCCT-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	1.06	.95	.86
24AA64T-I/MCTR-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN		1650.00/3,300	
24LC64-I/MS-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	.88	.48	.46
24LC64-I/P-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	.85	.46	.44
24LC64-I/SM-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.85	.46	.44
24LC64-I/SN-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	.80	.45	.43
24LC64-I/ST-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	.88	.48	.46
24LC64T-I/MCCT-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	1.06	.95	.86
24LC64T-I/MCTR-ND	64K (8Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN		1650.00/3,300	

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
24AA65/P-ND	64K (8Kx8) Smart CMOS Serial EEPROM 1.8V	8-Dip	2.80	1.54	1.48
24AA65/SM-ND	64K (8Kx8) Smart CMOS Serial EEPROM 1.8V	8-SOIC	2.80	1.54	1.48
24LC65/P-ND	64K (8Kx8) Smart CMOS Serial EEPROM 2.5V	8-Dip	2.80	1.54	1.48
24LC65/SM-ND	64K (8Kx8) Smart CMOS Serial EEPROM 2.5V	8-SOIC	2.80	1.54	1.48
24LC65-I/P-ND	64K (8Kx8) Smart CMOS Serial EEPROM, Ind. Temp 2.5V	8-Dip	2.80	1.54	1.48
24LC65-I/SM-ND	64K (8Kx8) Smart CMOS Serial EEPROM, Ind. Temp 2.5V	8-SOIC	2.80	1.54	1.48
24C65/P-ND	64K (8Kx8) Smart CMOS Serial EEPROM 5V	8-Dip	2.80	1.54	1.48
24C65/SM-ND	64K (8Kx8) Smart CMOS Serial EEPROM 5V	8-SOIC	2.80	1.54	1.48
24C65-I/P-ND	64K (8Kx8) Smart CMOS Serial EEPROM 5V	8-Dip	2.80	1.54	1.48
24C65-I/SM-ND	64K (8Kx8) Smart CMOS Serial EEPROM 5V	8-SOIC	2.80	1.54	1.48
24AA128-I/MF-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	1.75	.97	.93
24AA128-I/MS-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	1.23	.68	.65
24AA128-I/P-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	1.20	.66	.63
24AA128-I/SM-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	1.20	.66	.63
24AA128-I/SN-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	1.15	.64	.61
24AA128-I/ST-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	1.30	.71	.68
24LC128-I/MF-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	1.75	.97	.93
24LC128-I/MS-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	1.23	.68	.65
24LC128-I/P-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	1.20	.66	.63
24LC128-I/SM-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.20	.66	.63
24LC128-I/SN-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.15	.64	.61
24LC128-I/ST-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	1.30	.71	.68
24FC128-I/MF-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	1.90	1.04	1.00
24FC128-I/MS-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	1.38	.75	.72
24FC128-I/P-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	1.33	.73	.70
24FC128-I/SM-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.33	.73	.70
24FC128-I/SN-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.30	.71	.68
24FC128-I/ST-ND	128K (16Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	1.43	.79	.76
24AA256-I/MF-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	2.35	1.29	1.24
24AA256-I/MS-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-MSOP	1.83	1.00	.96
24AA256-I/P-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	1.78	.98	.94
24AA256-I/SM-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	1.78	.98	.94
24AA256-I/SN-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	1.75	.97	.93
24AA256-I/ST-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-TSSOP	1.90	1.04	1.00
24LC256-E/P-ND	256K (32Kx8) I²C Serial EEPROM 2.5V	8-Dip	1.90	1.04	1.00
24LC256-I/MF-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	2.35	1.29	1.24
24LC256-I/MS-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	1.83	1.00	.96
24LC256-I/P-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	1.78	.98	.94
24LC256-I/SM-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.78	.98	.94
24LC256-I/SN-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.75	.97	.93
24LC256-I/ST-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	1.90	1.04	1.00
24LC256T-I/MSCT-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	2.04	1.83	1.65
24LC256T-I/MSTR-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP		2400.00/2,500	
24LC256T-I/SNCT-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.96	1.75	1.58
24LC256T-I/SNTR-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC		3069.00/3,300	
24FC256-I/MF-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	2.55	1.41	1.35
24FC256-I/MS-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-MSOP	2.03	1.12	1.07
24FC256-I/P-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	2.00	1.10	1.05
24FC256-I/SM-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	2.00	1.10	1.05
24FC256-I/SN-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	1.95	1.08	1.04
24FC256-I/ST-ND	256K (32Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-TSSOP	2.10	1.16	1.11
24AA512-I/MF-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	3.95	2.18	2.09
24AA512-I/P-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	3.18	1.75	1.68
24AA512-I/SM-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	3.18	1.75	1.68
24AA512-I/ST14-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	14-TSSOP	3.50	1.93	1.85
24AA512T-I/MFCT-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN	4.42	3.95	3.56
24AA512T-I/MFTR-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-DFN		6897.00/3,300	
24LC512-I/MF-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	3.95	2.18	2.09
24LC512-I/P-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	3.18	1.75	1.68
24LC512-I/SM-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	3.18	1.75	1.68
24LC512-I/ST14-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	14-TSSOP	3.50	1.93	1.85
24FC512-I/MF-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-DFN	3.93	2.16	2.07
24FC512-I/P-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	3.35	1.85	1.78
24FC512-I/SM-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	3.35	1.85	1.78
24FC512-I/ST14-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	14-TSSOP	3.68	2.02	1.94
24FC515-I/P-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	5.00	2.76	2.65
24FC515-I/SM-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	5.00	2.76	2.65
24LC515-I/P-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	4.93	2.72	2.61
24LC515-I/SM-ND	512K (64Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	4.93	2.72	2.61
24LC21/P-ND	1K Dual Mode DDC™/DDC2™ for Monitors	8-Dip	.70	.39	.37
24LC21/SN-ND	1K Dual Mode DDC™/DDC2™ for Monitors	8-SOIC	.68	.37	.35
24AA1025-I/P-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-Dip	6.68	3.68	3.53
24AA1025-I/SM-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 1.8V	8-SOIC	6.68	3.68	3.53
24FC1025-I/P-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	6.75	3.72	3.57
24FC1025-I/SM-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	6.75	3.72	3.57
24FC1025T-I/SMCT-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	7.56	6.75	6.08
24FC1025T-I/SMTR-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC		7497.00/2,100	
24LC1025-I/P-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-Dip	6.68	3.68	3.53
24LC1025-I/SM-ND	1024K (128Kx8) I²C Serial EEPROM, Ind. Temp. 2.5V	8-SOIC	6.68	3.68	3.53

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SECURE MEMORY

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Cryptomemory					
AT88SC0104C-PI-ND	1K (128x8) Serial EEPROM, 2.7V to 5.5V	8-Dip	45	.34	.31
AT88SC0104C-PU-ND	1K (128x8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	.84	.63	.48
AT88SC0104C-SU-ND	1K (128x8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	.84	.63	.48
AT88SC0104C-Y4I-ND	1K (128x8) Serial EEPROM, 2.7V to 5.5V	8-SAP	.71	.55	.50
AT88SC0204C-PI-ND	2K (256x8) Serial EEPROM, 2.7V to 5.5V	8-Dip	.49	.38	.35
AT88SC0204C-PU-ND	2K (256x8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	.92	.69	.52
AT88SC0204C-SI-ND	2K (256x8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	.49	.38	.35
AT88SC0204C-SU-ND	2K (256x8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	.92	.69	.52
AT88SC0204C-Y4I-ND	2K (256x8) Serial EEPROM, 2.7V to 5.5V	8-SAP	.77	.59	.54
AT88SC0404C-PI-ND	4K (512x8) Serial EEPROM, 2.7V to 5.5V	8-Dip	.60	.47	.42
AT88SC0404C-PU-ND	4K (512x8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	.84	.70	.56
AT88SC0404C-SI-ND	4K (512x8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	.60	.47	.42
AT88SC0404C-SU-ND	4K (512x8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	.84	.70	.56
AT88SC0404C-Y4I-ND	4K (512x8) Serial EEPROM, 2.7V to 5.5V	8-SAP	.88	.68	.61
AT88SC0808C-PI-ND	8K (1Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	.69	.53	.48
AT88SC0808C-PU-ND	8K (1Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	.96	.80	.64
AT88SC0808C-SU-ND	8K (1Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	.96	.80	.64
AT88SC0808C-Y4I-ND	8K (1Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	.97	.74	.67
AT88SC1616C-PI-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	.80	.62	.56
AT88SC1616C-PIA-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	1.27	.97	.89
AT88SC1616C-PU-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	1.11	.93	.74
AT88SC1616C-SI-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	.80	.62	.56
AT88SC1616C-SU-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	1.11	.93	.74
AT88SC1616C-Y4I-ND	16K (2Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	1.08	.83	.75
AT88SC3216C-PI-ND	32K (4Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	.97	.74	.67
AT88SC3216C-PU-ND	32K (4Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	1.35	1.13	.90
AT88SC3216C-SI-ND	32K (4Kx8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	.97	.74	.67
AT88SC3216C-SU-ND	32K (4Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	1.35	1.13	.90
AT88SC3216C-Y4I-ND	32K (4Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	1.25	.95	.86
AT88SC6416C-PI-ND	64K (8Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	1.16	.89	.81
AT88SC6416C-PU-ND	64K (8Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	1.35	1.08	.81
AT88SC6416C-SI-ND	64K (8Kx8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	1.16	.89	.81
AT88SC6416C-SU-ND	64K (8Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	1.35	1.08	.81
AT88SC6416C-Y4I-ND	64K (8Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	1.44	1.10	1.00
AT88SC12816C-PI-ND	128K (16Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	1.38	1.06	.96
AT88SC12816C-PU-ND	128K (16Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	1.60	1.28	.96
AT88SC12816C-SI-ND	128K (16Kx8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	1.38	1.06	.96
AT88SC12816C-SU-ND	128K (16Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	1.60	1.28	.96
AT88SC12816C-Y4I-ND	128K (16Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	1.66	1.27	1.15
AT88SC25616C-PI-ND	256K (32Kx8) Serial EEPROM, 2.7V to 5.5V	8-Dip	1.83	1.40	1.27
AT88SC25616C-PU-ND	256K (32Kx8) Serial EEPROM, 2.7V to 5.5V*	8-Dip	2.13	1.70	1.28
AT88SC25616C-SI-ND	256K (32Kx8) Serial EEPROM, 2.7V to 5.5V	8-SOIC	1.83	1.40	1.27
AT88SC25616C-SU-ND	256K (32Kx8) Serial EEPROM, 2.7V to 5.5V*	8-SOIC	2.13	1.70	1.28
AT88SC25616C-Y4I-ND	256K (32Kx8) Serial EEPROM, 2.7V to 5.5V	8-SAP	2.09	1.61	1.46
AT88SC25616C-DK-ND	Cryptomemory Smartcard Development Kit		295.00	---	---
AT88SC25616C-EK-ND	Cryptomemory Evaluation Kit		98.75	---	---

EPROMS

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
Low Power Battery Voltage EPROMS					
AT27BV256-70JI-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP	32-PLCC	3.98	3.05	2.65
AT27BV256-70JU-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP*	32-PLCC	3.87	3.05	2.60
AT27BV256-70RI-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP	28-SOIC	4.62	3.55	3.05
AT27BV256-70RU-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP*	28-SOIC	4.84	3.87	3.01
AT27BV256-70TI-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP	28-TSOP	4.62	3.55	3.05
AT27BV256-70TU-ND	256K (32Kx8) CMOS EPROM 2.7V 70nS OTP*	28-TSOP	5.40	4.32	3.36
AT27BV256-90JC-ND	256K (32Kx8) CMOS EPROM 2.7V 90nS OTP	32-PLCC	3.12	2.40	2.05
AT27BV512-70JU-ND	512K (64Kx8) CMOS EPROM 2.7V 70nS OTP*	32-PLCC	5.06	4.05	3.15
AT27BV512-12JC-ND	512K (64Kx8) CMOS EPROM 2.7V 120nS OTP	32-PLCC	3.12	2.40	2.05
AT27BV512-70RU-ND	512K (64Kx8) CMOS EPROM 2.7V 70nS OTP*	28-SOIC	5.18	4.14	3.22
AT27BV512-70TI-ND	512K (64Kx8) CMOS EPROM 2.7V 70nS OTP	28-TSOP	5.27	4.10	3.50
AT27BV512-70TU-ND	512K (64Kx8) CMOS EPROM 2.7V 70nS OTP*	28-TSOP	5.10	4.08	3.45
AT27BV010-90JI-ND	1M (128Kx8) CMOS EPROM 2.7V 90nS OTP	32-PLCC	4.73	3.70	3.15
AT27BV010-90JU-ND	1M (128Kx8) CMOS EPROM 2.7V 90nS OTP*	32-PLCC	5.00	4.00	3.38
AT27BV010-12JC-ND	1M (128Kx8) CMOS EPROM 2.7V 120nS OTP	32-PLCC	4.09	3.15	2.76
AT27BV010-90TI-ND	1M (128Kx8) CMOS EPROM 2.7V 90nS OTP	32-TSOP	5.06	4.26	3.60
AT27BV010-90TU-ND	1M (128Kx8) CMOS EPROM 2.7V 90nS OTP*	32-TSOP	5.60	4.48	3.78
AT27BV010-90VI-ND	1M (128Kx8) CMOS EPROM 2.7V 90nS OTP	32-VSOP	5.38	4.20	3.60
AT27BV1024-90JI-ND	1M (64Kx16) CMOS EPROM 2.7V 90nS OTP	44-PLCC	5.59	4.34	3.72
AT27BV1024-12JI-ND	1M (64Kx16) CMOS EPROM 2.7V 120nS OTP	44-PLCC	5.05	3.92	3.36
AT27BV1024-90VI-ND	1M (64Kx16) CMOS EPROM 2.7V 90nS OTP	40-VSOP	6.67	5.18	4.43
AT27BV1024-12VI-ND	1M (64Kx16) CMOS EPROM 2.7V 120nS OTP	40-VSOP	6.13	4.76	4.08
AT27BV020-90JI-ND	2M (256Kx8) CMOS EPROM 2.7V 90nS OTP	32-PLCC	6.56	5.09	4.36
AT27BV020-90JU-ND	2M (256Kx8) CMOS EPROM 2.7V 90nS OTP*	32-PLCC	6.98	5.59	4.72
AT27BV020-90TI-ND	2M (256Kx8) CMOS EPROM 2.7V 90nS OTP	32-TSOP	7.20	5.59	4.79
AT27BV020-90TU-ND	2M (256Kx8) CMOS EPROM 2.7V 90nS OTP*	32-TSOP	7.58	6.07	5.12
AT27BV020-90VI-ND	2M (256Kx8) CMOS EPROM 2.7V 90nS OTP	32-VSOP	7.20	5.59	4.79
AT27BV040-12JI-ND	4M (512Kx8) CMOS EPROM 2.7V 120nS OTP	32-PLCC	8.60	6.68	5.72
AT27BV040-12TI-ND	4M (512Kx8) CMOS EPROM 2.7V 120nS OTP	32-TSOP	9.25	7.18	6.15
AT27BV040-12VI-ND	4M (512Kx8) CMOS EPROM 2.7V 120nS OTP	32-VSOP	9.25	7.18	6.15
AT27BV4096-12JI-ND	4M (256Kx16) CMOS EPROM 2.7V 120nS OTP	44-PLCC	9.68	7.52	6.44
AT27BV4096-12JU-ND	4M (256Kx16) CMOS EPROM 2.7V 120nS OTP*	44-PLCC	8.58	7.73	6.85
AT27BV4096-12VI-ND	4M (256Kx16) CMOS EPROM 2.7V 120nS OTP	40-VSOP	10.75	8.35	7.15
Low Power Low Voltage EPROMS					
AT27LV256A-55JC-ND	256K (32Kx8) CMOS EPROM 3.0V 55nS OTP	32-PLCC	3.66	2.80	2.40
AT27LV256A-90JI-ND	256K (32Kx8) CMOS EPROM 3.0V 90nS OTP	32-PLCC	3.12	2.40	2.05
AT27LV256A-55RI-ND	256K (32Kx8) CMOS EPROM 3.0V 55nS OTP	28-SOIC	4.09	3.15	2.70
AT27LV256A-70RC-ND	256K (32Kx8) CMOS EPROM 3.0V 70nS OTP	28-SOIC	3.55	2.75	2.35
AT27LV256A-70RI-ND	256K (32Kx8) CMOS EPROM 3.0V 70nS OTP	28-SOIC	3.76	2.95	2.50
AT27LV256A-90RI-ND	256K (32Kx8) CMOS EPROM 3.0V 90nS OTP	28-SOIC	3.33	2.60	2.20
AT27LV256A-55TI-ND	256K (32Kx8) CMOS EPROM 3.0V 55nS OTP	28-TSOP	4.41	3.40	2.90
AT27LV256A-70TI-ND	256K (32Kx8) CMOS EPROM 3.0V 70nS OTP	28-TSOP	4.09	3.20	2.70
AT27LV256A-90TI-ND	256K (32Kx8) CMOS EPROM 3.0V 90nS OTP	28-TSOP	3.66	2.85	2.45
AT27LV256A-90TU-ND	256K (32Kx8) CMOS EPROM 3.0V 90nS OTP* **NEW!**	28-TSOP	4.80	2.95	2.56

Digi-Key Part No.	Description	Pkg.	Price Each★ 1	25	100
AT27LV512A-90JU-ND	512K (64Kx8) CMOS EPROM 3.0V 90nS OTP*	32-PLCC	4.05	3.24	2.52
AT27LV512A-90RU-ND	512K (64Kx8) CMOS EPROM 3.0V 90nS OTP*	28-SOIC	4.16	3.33	2.59
AT27LV512A-90TI-ND	512K (64Kx8) CMOS EPROM 3.0V 90nS OTP	28-TSOP	3.87	3.00	2.55
AT27LV512A-90TU-ND	512K (64Kx8) CMOS EPROM 3.0V 90nS OTP*	28-TSOP	4.73	3.79	2.94
AT27LV520-70XU-ND	512K (64Kx8) CMOS EPROM 3.0V 70nS OTP*	20-TSSOP	5.18	4.15	3.50
AT27LV520-90XU-ND	512K (64Kx8) CMOS EPROM 3.0V 90nS OTP*	20-TSSOP	4.79	3.84	2.99
AT27LV010A-70JI-ND	1M (128Kx8) CMOS EPROM 3.0V 70nS OTP	32-PLCC	5.16	3.95	3.40
AT27LV010A-70JU-ND	1M (128Kx8) CMOS EPROM 3.0V 70nS OTP*	32-PLCC	5.40	4.32	3.65
AT27LV010A-70TU-ND	1M (128Kx8) CMOS EPROM 3.0V 70nS OTP*	32-TSOP	6.00	4.80	4.05
AT27LV010A-90JI-ND	1M (128Kx8) CMOS EPROM 3.0V 90nS OTP	32-PLCC	4.73	3.70	3.15
AT27LV010A-90VI-ND	1M (128Kx8) CMOS EPROM 3.0V 90nS OTP	32-VSOP	5.38	4.20	3.60
AT27LV020A-90TI-ND	2M (256Kx8) CMOS EPROM 3.0V 90nS OTP	32-TSOP	6.77	5.26	4.50
AT27LV020A-90VI-ND	2M (256Kx8) CMOS EPROM 3.0V 90nS OTP	32-VSOP	6.77	5.26	4.50
AT27LV020A-12JI-ND	2M (256Kx8) CMOS EPROM 3.0V 120nS OTP	32-PLCC	5.59	4.34	3.72
AT27LV020A-12JU-ND	2M (256Kx8) CMOS EPROM 3.0V 120nS OTP*	32-PLCC	5.94	4.76	4.01
AT27LV020A-12TI-ND	2M (256Kx8) CMOS EPROM 3.0V 120nS OTP	32-TSOP	6.24	4.84	4.15
AT27LV020A-12TU-ND	2M (256Kx8) CMOS EPROM 3.0V 120nS OTP*	32-TSOP	6.54	5.24	4.42
AT27LV020A-12VI-ND	2M (256Kx8) CMOS EPROM 3.0V 120nS OTP	32-VSOP	6.24	4.84	4.15
AT27LV040A-90JU-ND	4M (512Kx8) CMOS EPROM 3.0V 90nS OTP*	32-PLCC	8.92	7.14	6.03
AT27LV040A-90TU-ND	4M (512Kx8) CMOS EPROM 3.0V 90nS OTP*	32-TSOP	9.52	7.62	6.43
AT27LV040A-90VI-ND	4M (512Kx8) CMOS EPROM 3.0V 90nS OTP	32-VSOP	9.03	7.01	6.01
AT27LV040A-12VI-ND	4M (512Kx8) CMOS EPROM 3.0V 120nS OTP	32-VSOP	8.60	6.68	5.72
5V EPROMS					
AT27C256R-45JU-ND	256K (32Kx8) CMOS EPROM 45nS OTP*	32-PLCC	3.74	2.90	2.48
AT27C256R-45PI-ND	256K (32Kx8) CMOS EPROM 45nS OTP	28-Dip	3.18	2.47	2.12
AT27C256R-45RI-ND	256K (32Kx8) CMOS EPROM 45nS OTP	28-SOIC	3.40	2.64	2.26
AT27C256R-45RU-ND	256K (32Kx8) CMOS EPROM 45nS OTP*	28-SOIC	3.85	2.98	2.56
AT27C256R-45TC-ND	256K (32Kx8) CMOS EPROM 45nS OTP	28-TSOP	1.29	1.01	.86
AT27C256R-45TI-ND	256K (32Kx8) CMOS EPROM 45nS OTP	28-TSOP	3.72	2.89	2.47
AT27C256R-45TU-ND	256K (32Kx8) CMOS EPROM 45nS OTP*	28-TSOP	4.39	3.40	2.91
AT27C256R-70JU-ND	256K (32Kx8) CMOS EPROM 70nS OTP*	32-PLCC	3.12	2.42	2.07
AT27C256R-70PU-ND	256K (32Kx8) CMOS EPROM 70nS OTP*	28-Dip	3.12	2.42	2.07
AT27C256R-70RU-ND	256K (32Kx8) CMOS EPROM 70nS OTP*	28-SOIC	3.22	2.50	2.14
AT27C256R-70TU-ND	256K (32Kx8) CMOS EPROM 70nS OTP*	28-TSOP	3.18	2.47	2.12
AT27C512R-45JU-ND	512K (64Kx8) CMOS EPROM 45nS OTP*	32-PLCC	3.98	3.09	2.65
AT27C512R-45PI-ND	512K (64Kx8) CMOS EPROM 45nS OTP	28-Dip	3.40	2.64	2.26
AT27C512R-45RU-ND	512K (64Kx8) CMOS EPROM 45nS OTP*	28-SOIC	4.09	3.18	2.72
AT27C512R-45TC-ND	512K (64Kx8) CMOS EPROM 45nS OTP	28-TSOP	1.29	1.01	.86
AT27C512R-45TI-ND	512K (64Kx8) CMOS EPROM 45nS OTP	28-TSOP	3.93	3.06	2.62
AT27C512R-45TU-ND	512K (64Kx8) CMOS EPROM 45nS OTP*	28-TSOP	4.62	3.59	3.08
AT27C512R-70JU-ND	512K (64Kx8) CMOS EPROM 70nS OTP*	32-PLCC	3.38	2.61	2.24
AT27C512R-70PU-ND	512K (64Kx8) CMOS EPROM 70nS OTP*	28-Dip	3.38	2.61	2.24
AT27C512R-70RU-ND	512K (64Kx8) CMOS EPROM 70nS OTP*	28-SOIC	3.48	2.70	2.31
AT27C512R-70TI-ND	512K (64Kx8) CMOS EPROM 70nS OTP	28-TSOP	3.40	2.64	2.26
AT27C516-45JI-ND	512K (32Kx16) CMOS EPROM 45nS OTP	44-PLCC	4.30	3.34	2.86
AT27C516-70JI-ND	512K (32Kx16) CMOS EPROM 70nS OTP	44-PLCC	1.51	1.17	1.00
AT27C516-45VI-ND	512K (32Kx16) CMOS EPROM 45nS OTP	40-VSOP	5.38	4.18	3.58
AT27C520-90SC-ND	512K (64Kx8) CMOS EPROM with Address Latch 90nS OTP	20-SOIC	2.80	1.72	1.52
AT27C010-45JU-ND	1M (128Kx8) CMOS EPROM 45nS OTP*	32-PLCC	5.31	4.13	3.54
AT27C010L-45JI-ND	1M (128Kx8) CMOS EPROM 45nS OTP	32-PLCC	5.20	4.04	3.46
AT27C010-45PU-ND	1M (128Kx8) CMOS EPROM 45nS OTP*	32-Dip	5.31	4.13	3.54
AT27C010-45TI-ND	1M (128Kx8) CMOS EPROM 45nS OTP	32-TSOP	5.31	4.12	3.53
AT27C010-45TU-ND	1M (128Kx8) CMOS EPROM 45nS OTP*	32-TSOP	5.31	4.13	3.54
AT27C010-70JU-ND	1M (128Kx8) CMOS EPROM 70nS OTP*	32-PLCC	4.45	3.46	2.96
AT27C010-70PU-ND	1M (128Kx8) CMOS EPROM 70nS OTP*	32-Dip	4.45	3.46	2.96
AT27C010-70TU-ND	1M (128Kx8) CMOS EPROM 70nS OTP*	32-TSOP	5.10	3.96	3.39
AT27C1024-45JU-ND	1M (64Kx16) CMOS EPROM 45nS OTP*	44-PLCC	5.96	4.63	3.96
AT27C1024-45PI-ND	1M (64Kx16) CMOS EPROM 45nS OTP	40-Dip	5.44	4.23	3.62
AT27C1024-45VC-ND	1M (64Kx16) CMOS EPROM 45nS OTP	40-VSOP	5.98	4.64	3.98
AT27C1024-45VI-ND	1M (64Kx16) CMOS EPROM 45nS OTP	40-VSOP	6.30	4.88	4.19
AT27C1024-70JI-ND	1M (64Kx16) CMOS EPROM 70nS OTP	44-PLCC	3.12	1.93	1.70
AT27C1024-70JU-ND	1M (64Kx16) CMOS EPROM 70nS OTP*	44-PLCC	5.10	3.96	3.39
AT27C1024-70PU-ND	1M (64Kx16) CMOS EPROM 70nS OTP*	40-Dip	5.10	3.96	3.39
AT27C1024-70VI-ND	1M (64Kx16) CMOS EPROM 70nS OTP	40-VSOP	5.55	4.31	3.69
AT27C020-55JU-ND	2M (256Kx8) CMOS EPROM 55nS OTP*	32-PLCC	6.51	5.05	4.33
AT27C020-55PU-ND	2M (256Kx8) CMOS EPROM 55nS OTP*	32-Dip	6.51	5.05	4.33
AT27C020-55TI-ND	2M (256Kx8) CMOS EPROM 55nS OTP	32-TSOP	6.24	4.84	4.15
AT27C020-90JI-ND	2M (256Kx8) CMOS EPROM 90nS OTP	32-PLCC	4.08	2.52	2.23
AT27C020-90JU-ND	2M (256Kx8) CMOS EPROM 90nS OTP*	32-PLCC	5.63	4.38	3.75
AT27C020-90PU-ND	2M (256Kx8) CMOS EPROM 90nS OTP*	32-Dip	5.63	4.38	3.75
AT27C020-90TI-ND	2M (256Kx8) CMOS EPROM 90nS OTP	32-TSOP	5.48	4.26	3.65
AT27C020-90TU-ND	2M (256Kx8) CMOS EPROM 90nS OTP*	32-TSOP	6.28	4.88	4.18
AT27C2048-55JI-ND	2M (128Kx16) CMOS EPROM 55nS OTP	44-PLCC	6.45	5.01	4.29
AT27C2048-90JI-ND	2M (128Kx16) CMOS EPROM 90nS OTP	44-PLCC	5.70	4.43	3.79
AT27C2048-55PI-ND	2M (128Kx16) CMOS EPROM 55nS OTP	40-Dip	6.67	5.18	4.43
AT27C2048-90PI-ND	2M (128Kx16) CMOS EPROM 90nS OTP	40-Dip	5.91	4.59	3.93
AT27C2048-55VC-ND	2M (128Kx16) CMOS EPROM 55nS OTP	40-VSOP	7.20	5.59	4.79
AT27C2048-55VI-ND	2M (128Kx16) CMOS EPROM 55nS OTP	40-VSOP	7.53	5.85	5.01
AT27C2048-90VI-ND	2M (128Kx16) CMOS EPROM 90nS OTP	40-VSOP	6.77	5.26	4.50
AT27C040-70JU-ND	4M (512Kx8) CMOS EPROM 70nS OTP*	32-PLCC	8.23	6.40	5.48
AT27C040-70PU-ND	4M (512Kx8) CMOS EPROM 70nS OTP*	32-Dip	8.23	6.40	5.48
AT27C040-70TC-ND	4M (512Kx8) CMOS EPROM 70nS OTP	32-TSOP	3.44	2.68	2.30
AT27C040-70TU-ND	4M (512Kx8) CMOS EPROM 70nS OTP*	32-TSOP	8.88	6.90	5.91
AT27C040-90JI-ND	4M (512Kx8) CMOS EPROM 90nS OTP	32-PLCC	7.61	5.92	5.07
AT27C040-90PU-ND	4M (512Kx8) CMOS EPROM 90nS OTP*	32-Dip	7.61	5.92	5.07
AT27C040-90TU-ND	4M (512Kx8) CMOS EPROM 90nS OTP*	32-TSOP	8.26	6.42	5.50
AT27C400-90JC-ND	4M (512Kx8) or (256x16) CMOS EPROM 90nS OTP	44-PLCC	7.67	5.26	4.77
AT27C4096-55JI-ND	4M (256Kx16) CMOS EPROM 55nS OTP	44-PLCC	8.28	6.43	5.51
AT27C4096-55PI-ND	4M (256Kx16) CMOS EPROM 55nS OTP	40-Dip	8.49	6.60	5.65
AT27C4096-55VC-ND	4M (256Kx16) CMOS EPROM 55nS OTP	40-VSOP	9.03	7.01	6.01
AT27C4096-55VI-ND	4M (256Kx16) CMOS EPROM 55nS OTP	40-VSOP	9.35	7.26	6.22
AT27C4096-90JI-ND	4M (256Kx16) CMOS EPROM 90nS OTP	44-PLCC	7.53	5.85	5.01
AT27C4096-90JU-ND	4M (256Kx16) CMOS EPROM 90nS OTP*	44-PLCC	8.60	6.68	5.72
AT27C4096-90PU-ND	4M (256Kx16) CMOS EPROM 90nS OTP*	40-Dip	8.60	6.68	5.72
AT27C4096-90VI-ND	4M (256Kx16) CMOS EPROM 90nS OTP	40-VSOP	8.60	6.68	5.72
AT27C080-90JU-ND	8M (1Mx8) CMOS EPROM 90nS OTP*	32-PLCC	11.65	10.49	9.30
AT27C080-90PI-ND	8M (1Mx8) CMOS EPROM 90nS OTP	32-Dip	13.55	10.52	9.01
AT27C080-90PU-ND	8M (1Mx8) CMOS EPROM 90nS OTP*	32-Dip	13.76	10.69	9.15
AT27C080-90TU-ND	8M (1Mx8) CMOS EPROM 90nS OTP*	32-TSOP	12.15	10.94	9.70

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Heat Sinks

International Electronic Research Corporation has helped pioneer the development of semiconductor heat sinks since 1954. Primarily used by all levels of OEM's engaged in the manufacture of commercial and military equipment, IERC maintains stock and support from prototype through production. IERC has prided themselves for their flexible manufacturing, quality products and on-time delivery. Clip-On versions have a built-in clip for attaching a device to a heat sink without additional hardware, positive locks prevent the semiconductor from sliding out. TO-220 versions will also fit TO-202, TO-218 and TO-126 packages. Wattage values listed are at still air conduction only. Moving air will increase this value.

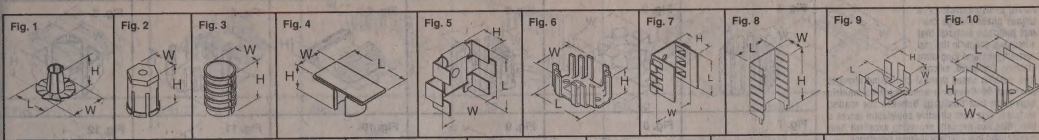

Fig.	Description	Dimensions - Inch (mm) L x W x H	Thermal Res. C/Watt	Digi-Key Part No.	Price Each 1	10	100	IERC Part No.
1	TO-5, Single Fan Top, Black, .5W	.750 x .750 x .250 (19.05 x 19.05 x 6.35)	81.10	294-1122-ND	3.87	3.49	2.71	TXBF-032-025B
1	TO-18, Single Fan Top, .5W	.500 x .500 x .250 (12.70 x 12.70 x 6.35)	150.00	294-1004-ND	5.08	4.57	3.56	TXBF-019-025B
2	TO-5, Press-On Mount, w/Hardware, Black, 1W	— x .380 x .310 (— x 9.65 x 7.87)	73.17	294-1120-ND	26.36	23.72	18.45	TXB2P-032-037B
2	TO-5, Press-On Mount, Black, 1W	— x .380 x .310 (— x 9.65 x 7.87)	73.17	294-1121-ND	4.70	4.23	3.29	TXBE-032-031B
2	TO-8, Press-On Mount, w/out Hardware, Black, 1W	— x .380 x .310 (— x 9.65 x 7.87)	73.17	294-1118-ND	18.16	16.34	12.71	TXB2-032-037B
2	TO-18, Press-On Mount, w/Hardware Black, 5W	— x .220 x .340 (— x 5.59 x 8.64)	150.26	294-1123-ND	32.71	29.44	22.90	TXP1808B
2	TO-18, Press-On Mount, w/Hardware, Black, .6W	— x .220 x .280 (— x 5.59 x 7.11)	150.26	294-1119-ND	21.88	19.70	15.32	TXB2P-019-028B
3	TO-5, Press-On Mount, Black, 2W	— x .440 x .500 (— x 11.18 x 12.70)	35.00	294-1105-ND	2.45	2.21	1.72	7-120-BA
4	TO-5, Press-On Mount, Black, 1W	.700 x .325 x .250 (17.78 x 8.26 x 6.35)	58.00	294-1106-ND	1.95	1.76	1.37	7-175-BA
5	TO-220, Vertical/Horizontal Clip-on Mount, Black, 1.5W	.810 x 1.00 x .310 (20.57 x 25.40 x 7.87)	140.50	294-1115-ND	.70	.63	.49	PSC2-2CB
6	TO-220, Power Horizontal Mount, Black 2W	1.63 x 1.29 x .750 (41.40 x 32.77 x 19.05)	13.60	294-1113-ND	1.66	1.49	1.16	LAT0127B3CB
6	TO-220, Power Horizontal Mount, 6W	1.31 x .90 x .750 (33.27 x 22.86 x 19.05)	17.00	294-1036-ND	.88	.79	.62	LAE66A3CB
7	TO-220, Horizontal/Vertical Mount w/Tabs, Black, 2.5W	.710 x .800 x .500 (18.03 x 20.32 x 12.70)	30.00	294-1107-ND	.80	.72	.56	7-361-BA
7	TO-220, Horizontal/Vertical Mount w/Tabs, Black, 2W	.710 x .800 x .340 (18.03 x 20.32 x 8.64)	38.00	294-1108-ND	.80	.72	.56	7-362-BA
8	TO-220, Vertical Mount, 3W	.750 x .375 x .750 (19.05 x 9.52 x 19.05)	25.00	294-1011-ND	1.19	.85	.60	7-195-2-BA
7	TO-220, Horizontal Mount, 3W (No Mounting Hole)	1.09 x .620 x 1.31 (27.69 x 15.75 x 33.27)	30.00	294-1013-ND	.66	.52	.39	7-300-000-BA
8	TO-220, Vertical/Horizontal Mount w/Tabs, Nickel, 3W	1.25 x .880 x .250 (31.75 x 22.35 x 6.35)	25.40	294-1114-ND	2.90	2.62	2.04	PSB2-1ND
8	TO-220, Vertical PC Mount w/Tabs, 5W	1.00 x .500 x 1.18 (25.40 x 12.70 x 29.97)	20.00	294-1042-ND	.80	.72	.56	PB1-36CB
8	TO-220, Vertical PC Mount w/Board Locks	1.00 x .500 x 1.18 (25.40 x 12.70 x 29.97)	28.00	294-1043-ND	1.73	1.56	1.21	PB1ST-69CB
8	TO-220, Vertical PC Mount w/Tabs, 6W	.880 x .250 x 1.25 (22.35 x 6.35 x 31.75)	25.40	294-1045-ND	.93	.73	.55	PSB2-1CB
9	TO-220, High Efficiency, 3W	.710 x .310 x 1.00 (18.03 x 7.87 x 25.40)	30.00	294-1040-ND	.69	.55	.41	PA2-1CB
9	TO-220, High Efficiency, 4W	.710 x .500 x 1.00 (18.03 x 12.70 x 25.40)	26.80	294-1039-ND	.69	.56	.41	PA1-1CB
9	TO-220, Low Profile Clip-On, w/ Antirotation, Black	.810 x .310 x 1.00 (20.57 x 7.87 x 25.40)	40.50	294-1049-ND	1.19	.85	.60	PSC2T-2CB
10	TO-220, Power Vertical Mount, 7W	1.15 x .460 x .750 (29.21 x 11.68 x 19.05)	14.00	294-1034-ND	2.48	2.23	1.74	7-340-1PP-BA
10	TO-220, Power Horizontal Mount, 7W	1.15 x .460 x .750 (29.21 x 11.68 x 19.05)	14.00	294-1035-ND	2.48	2.23	1.74	7-340-3PP-BA
10	Dual TO-220, Universal Mount, 9W	1.50 x 1.15 x .460 (38.10 x 29.21 x 11.68)	7.00	294-1080-ND	3.00	2.70	2.10	7-340-2PP-BA
11	TO-220, Power Vertical Mount w/Pins, 11W	1.38 x .500 x 1.50 (35.05 x 6.35 x 38.10)	13.00	294-1024-ND	4.35	3.92	3.05	7-338-1PP-BA
11	TO-220, Power Vertical Mount w/Pins, 11W	1.65 x 1.00 x 1.50 (41.91 x 25.40 x 38.10)	11.00	294-1029-ND	4.75	4.28	3.33	7-339-1PP-BA
11	TO-220, Power Vertical Mount w/Pins, 15W	1.65 x 1.00 x 2.00 (41.91 x 25.40 x 50.80)	5.00	294-1031-ND	5.00	4.50	3.50	7-339-3PP-BA
11	TO-220, Power Vertical Mount w/Pins, 17W	1.38 x .500 x 2.50 (35.05 x 6.35 x 63.50)	4.00	294-1027-ND	5.13	4.62	3.59	7-338-4PP-BA
11	TO-220, Power Vertical Mount w/Pins, 17W	1.65 x 1.00 x 2.50 (41.91 x 25.40 x 63.50)	4.00	294-1032-ND	5.63	5.07	3.94	7-339-4PP-BA
12	TO-220, Power Horizontal/Vertical Mount, 12W	.750 x 2.00 x .553 (19.05 x 50.80 x 14.05)	9.00	294-1067-ND	1.95	1.76	1.37	7-345-1PP-BA
12	TO-220, Power Horizontal Mount, 12W	.750 x 2.00 x .553 (19.05 x 50.80 x 14.05)	9.00	294-1068-ND	2.23	2.01	1.56	7-345-3PP-BA
12	Dual TO-220, Power Universal Mount, 15W	1.50 x 2.00 x .553 (38.10 x 50.80 x 14.05)	4.00	294-1082-ND	3.28	2.95	2.30	7-345-2PP-BA
13	Dual TO-220, Vertical w/Tabs, Black, 4W	1.50 x .500 x 1.18 (38.10 x 12.70 x 29.97)	15.00	294-1117-ND	.83	.75	.59	PSE1-2CB
14	Triple TO-220, Vertical Mount, 7W	1.61 x .750 x .690 (40.89 x 19.05 x 17.53)	9.00	294-1085-ND	7.98	7.18	5.59	7-342-1PP-BA
14	Six TO-220, Horizontal Mount, 15W	1.61 x 1.50 x .690 (40.89 x 38.10 x 17.53)	4.00	294-1086-ND	4.05	3.65	2.84	7-342-2PP-BA
15	TO-3, Power Cap, Spacesaver, 2W	1.56 x 1.06 x .500 (39.62 x 26.92 x 12.70)	32.00	294-1095-ND	5.25	4.73	3.68	7-423-BA
16	TO-3, Power Horizontal Mount, Black, 8W	1.78 x 1.78 x 1.00 (45.21 x 45.21 x 25.40)	7.10	294-1124-ND	3.03	2.73	2.12	UP-T03-CB
16	TO-3, Power Horizontal Mount, 15W	2.50 x 2.50 x .900 (63.50 x 63.50 x 22.86)	5.40	294-1088-ND	3.69	3.32	2.58	HP1-T03-CB
17	TO-3, Power Horizontal Mount, 12W	1.63 x 1.29 x 1.25 (41.40 x 32.77 x 31.75)	11.10	294-1092-ND	4.05	3.65	2.84	LA363B5CB
18	Various Semiconductor, Adhesive Backed	.910 x .910 x .355 (23.11 x 23.11 x 9.02)	26.90	294-1097-ND	3.05	2.75	2.14	BDN09-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.01 x 1.01 x .355 (25.65 x 25.65 x 9.02)	26.40	294-1098-ND	3.10	2.79	2.17	BDN10-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.11 x 1.11 x .355 (28.19 x 28.19 x 9.02)	20.90	294-1109-ND	3.15	2.84	2.21	BDN11-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.21 x 1.21 x .355 (30.73 x 30.73 x 9.02)	19.60	294-1099-ND	3.18	2.86	2.23	BDN12-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.21 x 1.21 x .555 (30.73 x 30.73 x 14.10)	16.50	294-1110-ND	3.20	2.88	2.24	BDN12-5CB/A01
18	Various Semiconductor, Adhesive Backed	1.31 x 1.31 x .355 (33.27 x 33.27 x 9.02)	16.10	294-1100-ND	3.23	2.91	2.26	BDN13-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.41 x 1.41 x .355 (35.81 x 35.81 x 9.02)	16.20	294-1101-ND	3.33	3.00	2.33	BDN14-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.51 x 1.51 x .355 (38.35 x 38.35 x 9.02)	15.10	294-1102-ND	3.48	3.13	2.44	BDN15-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.61 x 1.61 x .355 (40.89 x 40.89 x 9.02)	13.50	294-1103-ND	3.75	3.38	2.63	BDN16-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.71 x 1.71 x .355 (43.43 x 43.43 x 9.02)	11.50	294-1111-ND	4.18	3.77	2.93	BDN17-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.81 x 1.81 x .355 (45.97 x 45.97 x 9.02)	10.80	294-1104-ND	4.30	3.87	3.01	BDN18-3CB/A01
18	Various Semiconductor, Adhesive Backed	1.81 x 1.81 x .605 (45.97 x 45.97 x 15.37)	8.10	294-1112-ND	4.79	4.31	3.36	BDN18-6CB/A01
19	Various SMT Semiconductor	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1125-ND	4.60	4.14	3.22	APR27-27-12CB
19	Various SMT Semiconductor, with Thermal Tape	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1126-ND	5.20	4.68	3.64	APR27-27-12CB/A01
19	Various SMT Semiconductor, with Short Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1127-ND	6.25	5.63	4.38	APR27-27-12CB/S
19	Various SMT Semiconductor, with Medium Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1128-ND	6.25	5.63	4.38	APR27-27-12CB/M
19	Various SMT Semiconductor, with Tall Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1129-ND	6.25	5.63	4.38	APR27-27-12CB/T
19	Various SMT Semiconductor	1.284 x 1.284 x .457 (32.6 x 32.6 11.6)	3.8	294-1130-ND	5.15	4.64	3.61	APR33-33-12CB
19	Various SMT Semiconductor, with Thermal Tape	1.284 x 1.284 x .457 (32.6 x 32.6 11.6)	3.8	294-1131-ND	6.20	5.58	4.34	APR33-33-12CB/A01
19	Various SMT Semiconductor, with Short Clip	1.284 x 1.284 x .457 (32.6 x 32.6 11.6)	3.8	294-1132-ND	6.83	6.15	4.78	APR33-33-12CB/S
19	Various SMT Semiconductor, with Medium Clip	1.284 x 1.284 x .457 (32.6 x 32.6 11.6)	3.8	294-1133-ND	6.83	6.15	4.78	APR33-33-12CB/M
19	Various SMT Semiconductor, with Tall Clip	1.284 x 1.284 x .457 (32.6 x 32.6 11.6)	3.8	294-1134-ND	6.83	6.15	4.78	APR33-33-12CB/T
19	Various SMT Semiconductor	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1135-ND	5.30	4.77	3.71	APR38-38-12CB
19	Various SMT Semiconductor, with Thermal Tape	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1136-ND	6.35	5.72	4.45	APR38-38-12CB/A01
19	Various SMT Semiconductor, with Short Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1137-ND	6.95	6.26	4.87	APR38-38-12CB/S
19	Various SMT Semiconductor, with Medium Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1138-ND	6.95	6.26	4.87	APR38-38-12CB/M
19	Various SMT Semiconductor, with Tall Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1139-ND	6.95	6.26	4.87	APR38-38-12CB/T

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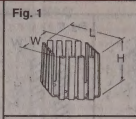

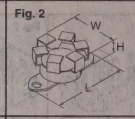

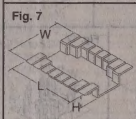

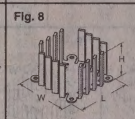

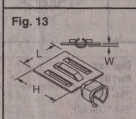

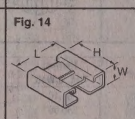

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Fig.	Description	Dimensions – Inch (mm) L x W x H	Thermal Resist. °C/W	Digi-Key Part No.	Price Each 1	10	100	Mfg. Part No.
1	TO-3, Compact Heat Sink, 5W, Black	1.88 x 1.40 x .50 (47.75 x 35.56 x 12.70)	11.5	HS148-ND	.88	.79	.62	501303B00000G
1	TO-3, Compact Heat Sink, 7W, Black	1.88 x 1.40 x .75 (47.75 x 35.56 x 19.05)	8.3	HS149-ND	.95	.86	.67	501403B00000G
1	TO-3, With Wave-On Mounts, 9W, Black	1.88 x 1.40 x .75 (47.75 x 35.56 x 19.05)	8.3	HS267-ND	2.72	2.45	1.91	501403B00100
1	TO-3, Compact Heat Sink, 8.5W, Black	1.88 x 1.40 x 1.00 (47.75 x 35.56 x 25.40)	6.3	HS248-ND	1.31	1.19	.92	501503B00000G
1	TO-3, With Wave-On Mounts, 9W, Black	1.88 x 1.40 x 1.00 (47.75 x 35.56 x 25.40)	6.3	HS269-ND	2.61	2.35	1.83	501503B00100
1	TO-3, Compact Heat Sink, 9.5W, Black	1.88 x 1.40 x 1.25 (47.75 x 35.56 x 31.75)	5.4	HS110-ND	1.29	1.17	.91	501603B00000G
1	TO-3, Compact, 9W, Gold	1.88 x 1.40 x 1.25 (47.75 x 35.56 x 31.75)	5.4	HS270-ND	1.20	1.08	.84	501603C00000
2	TO-3, Expandable Collar Type (Can be used with Fig. 1), Black	1.54 x 1.125 x .87 (39.12 x 28.57 x 22.10)	22.0	HS236-ND	.97	.88	.68	579103B00000G
3	TO-3, 25W, Black	1.81 x 1.81 x 1.25 (45.97 x 45.97 x 31.75)	5.4	HS103-1.25-ND	5.08	4.57	3.56	568303B00000
3	TO-3, 17W, Black	1.81 x 1.81 x .50 (45.97 x 45.97 x 12.70)	12.5	HS103-0.5-ND	5.05	4.55	3.54	568003B00000
3	TO-3, Free/Forced Air No Holes,12W, Black	1.83 x 1.83 x .50 (46.48 x 46.48 x 12.70)	5.4	HS291-ND	5.12	4.61	3.59	568000B00000
3	TO-3, Free or Forced Air Cooling, 12W, Black	1.83 x 1.83 x .75 (46.48 x 46.48 x 19.05)	5.4	HS293-ND	7.98	7.19	5.59	568103B00000
3	TO-3, Free or Forced Air Cooling, 12W, Black	1.81 x 1.81 x 1.00 (45.97 x 45.97 x 25.40)	5.4	HS294-ND	7.36	6.63	5.16	568203B00000
4	TO-3, Power Cooler, 50W, Black	3.00 x 4.125 x 1.00 (76.20 x 104.78 x 25.40)	5.4	HS117-ND	7.63	6.87	5.34	198540B00000
5	TO-3, Space Saver, 6W, Black	1.63 x 1.29 x .75 (41.40 x 32.77 x 19.05)	5.4	HS140-ND	1.61	1.45	1.13	502203B00000
5	TO-3, Space Saver, 8W, Black	1.63 x 1.29 x 1.00 (41.40 x 32.77 x 25.40)	5.4	HS141-ND	2.21	1.99	1.55	502303B00000
5	TO-3, Space Saver, 12W, Black	1.63 x 1.29 x 1.25 (41.40 x 32.77 x 31.75)	5.4	HS142-ND	2.06	1.86	1.45	502403B00000
6	TO-3, Heatsink, Fold-Back Fins, No Holes, 10W, Black	1.83 x 1.83 x 1.31 (46.48 x 46.48 x 33.27)	5.4	HS296-ND	3.04	2.74	2.13	569000B00000
6	TO-3, Fold-Back Fins, 20W, Black	1.83 x 1.83 x 1.31 (46.48 x 46.48 x 33.27)	5.4	HS110-3-ND	1.47	1.33	1.04	569003B00000G
6	TO-3, Fold-Back Fins, 10W, Gold	1.83 x 1.83 x 1.31 (46.48 x 46.48 x 33.27)	5.4	HS298-ND	1.40	1.26	.98	569003C00000
7	TO-3, Universal Hole Pattern, Low Profile, Black	2.00 x 1.75 x .375 (50.80 x 44.45 x 9.53)	7.0	HS228-ND	1.05	.95	.74	506007B00000G
8	TO-3, Slanted Fin, 10W, Black	1.81 x 1.81 x .50 (45.97 x 45.97 x 12.70)	3.5	HS260-ND	2.19	1.97	1.54	500103B00000G
8	TO-3, Slanted Fin, 12W, Black	1.81 x 1.81 x 1.25 (45.97 x 45.97 x 31.75)	2.5	HS264-ND	2.12	1.91	1.49	500403B00000G
8	TO-3, Slanted Fin, 14W, Black	2.5 x 2.5 x .90 (63.50 x 63.50 x 22.86)	4.9	HS265-ND	2.65	2.39	1.86	500503B00000G
9	TO-5, High Performance, 2W, Black	.75 dia x .25 (19.05 dia x 6.35)	56.0	HS101-ND	1.14	1.03	.80	323005B00000G
9	TO-5, Press-On, 1W, Black	.5 dia x .25 (127 dia x 6.35)	56.0	HS253-ND	1.72	1.55	1.21	320205B00000G
9	TO-5, Press-On, High Performance, 1W, Black	.50 dia x .375 (12.70 dia x 9.52)	30.0	HS259-ND	1.28	1.15	.90	326005B00000
10	TO-5, Snap-On Cooler, 1.5W, Black	.83 x .395 x .50 (21.08 x 10.03 x 12.70)	38.0	HS217-ND	.51	.37	.26	578205B00000
10	TO-5, Snap-On Cooler, 2W, Black	.83 x .395 x .75 (21.08 x 10.03 x 19.05)	35.0	HS218-ND	.47	.34	.24	578305B00000
11	TO-5, Dual Fin Press-Fit Heat Sink, Black	.75 dia x .40 (19.05 dia x 10.16)	56.0	HS242-ND	2.46	2.22	1.73	322505B00000G
11	TO-5, Press-On, 1.25W, Black	.75 dia x .25 (19.05 dia x 6.35)	40.0	HS257-ND	2.49	2.24	1.74	322605B00000G
11	TO-5, Press-On, 1.25W, Gold	.75 dia x .25 (19.05 dia x 6.35)	40.0	HS258-ND	2.43	2.19	1.71	322605C00000
11	TO-92 and TO-18, Press Fit, 1W, Black	.50 dia x .235 (12.70 dia x 5.97)	100.0	HS100-ND	1.30	1.17	.91	322400B00000G
12	TO-5, 2 Pc Part for Max Dissipation, 1W, Gold	.625 dia x .271 (15.88 dia x 6.88)	22.0	HS254-ND	7.20	6.48	5.04	321127C00000
12	TO-39, 2 Pc Part for Max Dissipation, 2W, Black	.75 dia x .290 (19.05 dia x 7.37)	20.0	HS255-ND	11.26	10.14	7.89	321527B00000G
13	TO-92, Press Fit Heat Sink, For Standard or Modified Pkg, Black	.60 x .05 x .50 (15.24 x 1.27 x 12.70)	64.0	HS251-ND	.46	.33	.23	575200B00000G
15	TO-126, Vertical Mount Clip-On Cooler, Black	.775 x .32 x .52 (19.69 x 8.13 x 13.21)	26.0	HS216-ND	.46	.33	.23	577500B00000
16	TO-202, Compact Clip-On Heat Sink, Black	.58 x .80 x .25 (14.73 x 20.32 x 6.35)	28.0	HS247-ND	.57	.41	.29	574004B00000G
17	TO-202, Low Profile Heat Sink, Black	.52 x .375 x .75 (13.21 x 9.53 x 19.05)	27.2	HS214-ND	.44	.32	.22	577304B00000
17	TO-202, Low Profile Heat Sink, Black	.52 x .50 x .75 (13.21 x 12.70 x 19.05)	24.0	HS215-ND	.44	.32	.22	577404B00000
19	TO-218, Power Cooler, With Pins, 10W, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS185-ND	1.36	1.23	.96	513201B02500
19	TO-218, Power Cooler, With Pins, 20W, Black	1.65 x 1.00 x 1.50 (41.91 x 25.40 x 38.10)	3.7	HS187-ND	1.62	1.46	1.14	529801B02500
20	TO-218, Quick Attach, With Pins, 12W, Black	1.95 x .50 x 1.97 (49.53 x 12.70 x 50.04)	6.5	HS134-ND	1.32	1.19	.93	592201B03400
19	TO-218, Vertical Power, 10W, With Pins, Black	1.65 x 1.00 x 2.50 (41.91 x 25.4 x 63.50)	2.5	HS277-ND	1.81	1.63	1.27	530001B02500
21	TO-218, Twisted High Rise Fins, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	6.3	HS109-ND	1.82	1.64	1.28	530101B00150
18	TO-218, Slide-On, Vertical PC Mount, With Standard Tabs, Black	1.00 x .50 x 1.22 (25.40 x 12.70 x 30.99)	11.5	HS234-ND	1.47	1.33	1.04	566010B03400
3	TO-220, Dual Mount Power Cooler, Black	1.81 x 1.81 x 1.25 (45.97 x 45.97 x 31.75)	5.5	HS135-ND	5.70	5.13	3.99	568322B00000
6	TO-220, Dual Mount Power Cooler, 20W, Black	1.83 x 1.83 x 1.31 (46.48 x 46.48 x 33.27)	5.5	HS110-220-ND	1.86	1.68	1.31	569022B00000G
14	TO-202, Clip-On Cooler, 5W, Black	.90 x 1.02 x .39 (22.86 x 25.91 x 9.91)	16.8	HS119-ND	.63	.45	.32	574204B00000G
17	TO-220, Compact Heat Sink, Black	.52 x .25 x .75 (13.21 x 6.35 x 19.05)	32.0	HS105-ND	.40	.29	.20	577002B00000G
17	TO-220, Compact Heat Sink, Black	.52 x .375 x .75 (13.21 x 9.53 x 19.05)	25.9	HS106-ND	.36	.26	.18	577102B00000G
17	TO-220, Compact Heat Sink, Black	.52 x .50 x .75 (13.21 x 12.70 x 19.05)	24.4	HS107-ND	.36	.26	.19	577202B00000
17	TO-220, Low Profile, 2.5W, Gold	.75 x .75 x .375 (19.05 x 19.05 x 9.52)	24.0	HS272-ND	.34	.31	.24	507302C00000
17	TO-220, Low Profile, Low Cost Cooler, 2.5W, Black	.75 x .75 x .375 (19.05 x 19.05 x 9.53)	24.0	HS115-ND	.40	.29	.20	507302B00000G
17	TO-220, 2 Hole Pattern Comp. Sink, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	16.7	HS230-ND	.56	.44	.33	530613B00000G
17	TO-220, Horizontal/Vertical Mount, 4.5W, Black	1.00 x 1.18 x .50 (25.40 x 29.97 x 12.70)	16.7	HS278-ND	.47	.42	.33	530614B00000G
17	TO-220, Horizontal/Vertical Mount, 3.7W, Gold	1.00 x .71 x .50 (25.40 x 18.03 x 12.70)	20.3	HS279-ND	.32	.29	.23	530714C00000
17	TO-220, Compact Heat Sink, With Tabs, Black	.52 x .25 x .75 (13.21 x 6.35 x 19.05)	32.0	HS212-ND	.62	.45	.31	577002B04000
17	TO-220, Compact Heat Sink, With Tabs, Black	.52 x .375 x .75 (13.21 x 9.53 x 19.05)	25.9	HS213-ND	.62	.44	.31	577102B04000
17	TO-220, Low Cost Vertical Mount, With Front Tabs, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.6	HS206-ND*	2.85	2.57	2.00	575002T00000
17	TO-220, Low Cost Vertical Mount, With Center Tabs, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.6	HS186-ND*	3.15	2.84	2.21	523002T00000
17	TO-220, Vertical Mount With Black Tabs	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.0	HS194-ND	.50	.40	.30	563002B00000G
17	TO-220, Vertical Mount With Black Tabs	1.00 x .50 x .95 (25.40 x 12.70 x 24.13)	16.6	HS207-ND	.64	.50	.38	576602B00000G
17	TO-220, Vertical Mount With Pre-Tinned Tabs, Black	1.00 x .50 x .95 (25.40 x 12.70 x 24.13)	16.6	HS208-ND*	3.26	2.94	2.29	576602T00000
19	TO-220, Power Cooler, 9.0W, Screw Mount, Gold	1.50 x 1.375 x 1.00 (38.10 x 34.93 x 25.40)	13.4	HS282-ND	1.25	1.13	.88	531002C00000
19	TO-220, Power Cooler, With Pins, Heavy Duty, Black	1.38 x .50 x 1.00 (35.05 x 12.70 x 25.40)	13.4	HS190-ND	1.25	1.13	.88	531002B02500
19	TO-220, Power Cooler, 9.0W, Black	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS284-ND	1.27	1.14	.89	531102B00000
19	TO-220, Power Cooler, With Pins, Heavy Duty, Black	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS191-ND	1.33	1.20	.93	531102B02500
19	TO-220, Power Cooler, With Pins, 2-Sided Mount, Black	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	11.0	HS184-ND	1.11	1.01	.78	513102B02500
19	TO-220, Power Cooler, With Pins, 2-Sided Mount, Black	1.65 x 1.00 x 1.50 (41.91 x 25.40 x 38.10)	3.7	HS188-ND	1.60	1.44	1.12	529802B02500

* Dielectric Coating Unless otherwise noted, all heat sinks are black anodized aluminum.

(Continued)

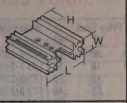
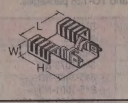
Fig. 19


Fig. 20


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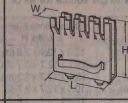

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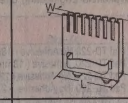

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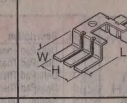

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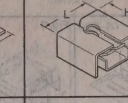

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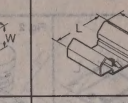

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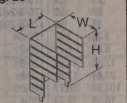

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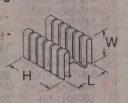

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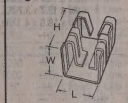
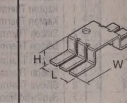


Fig. 29

Fig. 30


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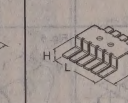

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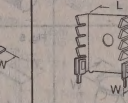

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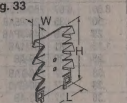


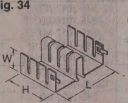
Fig. 34


Fig. 35

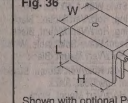
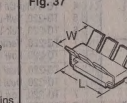
Fig. 36

Shown with optional PC Pins

Fig. 37


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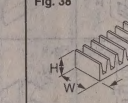


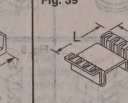
Fig. 39


Fig.	Description	Dimensions – Inch (mm) L x W x H	Thermal Resist. °C/W	Digi-Key Part No.	Price Each 1	10	100	Mfg. Part No.
19	TO-220, Power Cooler, Black	1.38 x .50 x 1.00 (35.05 x 12.70 x 25.40)	13.4	HS231-ND	1.19	1.08	.84	531002B00000
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS131-ND	1.45	1.31	1.02	531102C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS131-P-ND	1.75	1.58	1.23	531102C02500
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS132-ND	1.49	1.34	1.04	531202C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS132-P-ND	1.85	1.67	1.30	531202C02500
19	TO-220, Power Cooler, 9.0W, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS287-ND	1.43	1.29	1.01	531202B00000
19	TO-220, Power Cooler, With Pins, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS241-ND	1.51	1.36	1.06	531202B02500
19	TO-220, Vertical Power, 10W, Screw Mount, Black	1.65 x 1.00 x 1.50 (41.91 x 25.40 x 38.10)	2.5	HS276-ND	1.49	1.34	1.05	529802B00000
19	TO-220, Power Cooler, With Pins, Black	1.65 x 1.00 x 2.00 (41.91 x 25.40 x 50.80)	3.4	HS229-ND	1.94	1.75	1.36	529902B02500
19	TO-220, Power Cooler, With Pins, 9.0W, Black	1.38 x .50 x 2.50 (35.05 x 12.70 x 63.50)	8.0	HS290-ND	1.49	1.34	1.04	531302B02500
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 2.50 (35.05 x 12.70 x 63.50)	8.0	HS133-ND	1.77	1.60	1.24	531302C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 2.50 (35.05 x 12.70 x 63.50)	8.0	HS133-P-ND	1.73	1.56	1.22	531302C02500
19	TO-220, Power Cooler, With Pins, Black	1.65 x 1.00 x 2.50 (41.91 x 25.40 x 63.50)	3.8	HS239-ND	1.81	1.63	1.27	530002B02500
21	TO-220-Staggered High Rise Fins, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	16.8	HS151-ND	1.82	1.64	1.28	530402B00150
22	TO-220, Twisted High Rise Fins, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	6.3	HS152-ND	1.83	1.65	1.28	530102B00150
22	TO-220, Dual Mount, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	4.4	HS249-ND	2.13	1.92	1.50	530162B00162
23	TO-220, 2W Extended Cap For HS112 and HS114, Black	1.75 x .70 x .50 (44.45 x 17.78 x 12.70)	15.6	HS113-ND	.46	.33	.23	507102B00000G
24	TO-220, Vertical Mount Clip-On Cooler, With 1 Mount Hole, Black	.75 x .86 x .395 (19.05 x 21.84 x 10.03)	23.2	HS111-ND	.42	.30	.21	574102B00000G
24	TO-220, Vertical Mount Clip-On Cooler, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS198-ND	.41	.30	.21	574502B00000
24	TO-220, Horizontal Mount Clip-On, PC Mount, With Std. Tabs, Blk	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	23.2	HS197-ND	.88	.70	.52	574402B03200
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Long Tabs, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS200-ND	.57	.52	.41	574502B03300
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Long Tabs, Black	.86 x .395 x 1.375 (21.84 x 10.03 x 34.93)	16.0	HS204-ND	.79	.71	.55	574902B03300
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Stepped Tabs, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS201-ND	.58	.46	.34	574502B03700
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Stepped Tabs, Black	.86 x .395 x .69 (21.84 x 10.03 x 17.53)	21.6	HS203-ND	.70	.63	.49	574602B03700
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Standard Tabs, Black	.86 x .395 x 1.375 (21.84 x 10.03 x 34.93)	16.0	HS205-ND	1.03	.93	.72	574902B04300
25	TO-220, Snap Down, 5W, Black	.75 x 1.12 x .435 (19.05 x 28.45 x 11.05)	16.9	HS116-ND	.56	.45	.33	575102B00000G
25	TO-220, Snap-Down With Built-In Clip, For Standard TO-220s, Black	.975 x .44 x .75 (24.77 x 11.18 x 19.05)	16.8	HS220-ND	.50	.36	.26	579302B00000
25	TO-220, Snap-Down With Built-In Clip, For Tapered TO-220s, Black	.975 x .44 x .75 (24.77 x 11.18 x 19.05)	16.8	HS221-ND	.55	.40	.28	579402B00000
26	TO-220, High Performance PC Mount, With Tabs, Black	1.00 x 1.00 x 1.675 (25.40 x 25.40 x 42.55)	10.0	HS222-ND	1.07	.97	.76	590102B03600
27	TO-220, SlimLine High Performance, Horizontal Mount, Black	1.00 x .787 x 1.45 (25.40 x 19.99 x 36.83)	12.4	HS193-ND	.71	.64	.50	551002B00000G
28	TO-220, Slide-On, Horizontal PC Mount, With Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS150-ND	.57	.52	.41	576802B03100
28	TO-220, Slide-On, 5W, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS121-ND	.58	.42	.29	576802B00000G
28	TO-220, Slide-On, 5W, Black	.50 x .50 x .60 (12.70 x 12.70 x 15.24)	26.8	HS333-ND	.73	.53	.37	591202B00000G
28	TO-220, Slide-On, Vertical PC Mount, With Wide Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS209-ND	.61	.55	.43	576802B03700
28	TO-220, Slide-On, Vertical PC Mount, With Long Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS210-ND	.61	.48	.36	576802B03900
28	TO-220, Slide-On, Vertical PC Mount, With Standard Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS211-ND	.59	.54	.42	576802B04100
28	TO-220, Slide-On, Vertical PC Mount, With Surelock Tabs, Black	.57 x .50 x .75 (14.48 x 12.70 x 19.05)	26.8	HS223-ND	.75	.68	.53	591302B02800
28	TO-220, Slide-On, Vertical PC Mount, With Standard Tabs, Black	.75 x .50 x .50 (19.05 x 12.70 x 12.70)	18.8	HS122-ND	.58	.52	.41	576802B04000
28	TO-220, Slide-On, Vertical PC Mount, With SureLock Tabs, Black	.95 x 1.00 x 1.22 (24.13 x 25.40 x 30.99)	11.5	HS240-ND	1.53	1.38	1.08	566010B02800
29	TO-220, Economy Power Cooler, Lightweight, Black	1.00 x .50 x .71 (25.40 x 12.70 x 18.03)	20.3	HS189-ND	.46	.33	.23	530714B00000G
29	TO-220, Power Cooler, 10W, Black	.78 x .85 x 1.45 (19.81 x 21.59 x 36.83)	6.4	HS104-2-ND	.65	.52	.39	504222B00000G
29	TO-220, Power Cooler, 6W, Black	.70 x .70 x .85 (17.78 x 17.78 x 21.59)	15.6	HS104-1-ND	.47	.34	.24	504102B00000G
30	TO-220, Basic Manual Attachment, Low Profile, Black	.70 x 1.75 x .380 (17.78 x 44.45 x 9.65)	15.6	HS112-ND	.42	.30	.21	507002B00000G
31	TO-220, Dual Basic Manual Attachment, Horizontal Mount, Black	1.45 x 1.75 x .375 (36.83 x 44.45 x 9.53)	9.6	HS114-ND	.76	.55	.38	507222B00000G
32	TO-220, Twisted Fin, Vertical PC Mount, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.4	HS120-ND	.82	.74	.58	593002B03400
32	TO-220, Twisted Fin, With Surelock Tabs and Kool Clip, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.0	HS232-ND	1.36	1.23	.96	534202B02853
32	TO-220, Twisted Fin, Vertical, With Tabs and Kool Clip, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.0	HS233-ND	1.63	1.47	1.14	534202B03453
33	TO-220, Spacesaver, Vertical Mount, With Tabs, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	10.0	HS225-ND	.93	.84	.65	593202B03500
33	TO-220, Spacesaver, Vertical Mount, With Kool Clip/Tabs, Black	1.38 x .48 x 2.00 (35.05 x 12.19 x 50.80)	10.4	HS192-ND	1.04	.94	.73	534302B03553
34	TO-220, Dual Basic Manual Attachment, Vertical Mount, Black	1.48 x .50 x 1.03 (37.59 x 12.70 x 26.16)	13.2	HS219-ND	.99	.90	.70	578622B03200
35	TO-220, Spacesaver Vertical Mount, With Tabs, Black	.875 x .25 x 1.25 (22.23 x 6.35 x 31.75)	22.0	HS224-ND	.75	.68	.53	592502B03400
35	TO-220, Spacesaver Vert. Mnt, With Kool Clip-SureLock Tabs, Blk	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.8	HS238-ND	1.40	1.27	.99	594302B02853
36	TO-220, Vertical Mount, 1W, Black	.64 x .64 x 1.00 (16.26 x 16.26 x 25.40)	17.4	HS300-ND	1.46	1.32	1.03	581002B00000
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 1.00 (16.26 x 16.26 x 25.40)	17.4	HS301-ND	1.44	1.30	1.01	581002B02500
36	TO-220, Vertical Mount, 2.5W, With Pins, Gold	.64 x .64 x 1.00 (16.26 x 16.26 x 25.40)	17.4	HS302-ND	1.90	1.71	1.33	581002C02500
36	TO-220, Vertical Mount, 2.5W, Black	.64 x .64 x 1.50 (16.26 x 16.26 x 38.10)	16.8	HS303-ND	1.42	1.28	1.00	581102B00000
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 1.50 (16.26 x 16.26 x 38.10)	16.8	HS304-ND	1.49	1.34	1.05	581102B02500
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 2.00 (16.26 x 16.26 x 50.80)	12.8	HS305-ND	1.99	1.80	1.40	581202B02500
36	Dip Cooler, 14 or 16 Pin IC, Slide-On, Black	.887 x .60 x .41 (22.53 x 15.24 x 10.41)	38.0	HS179-ND	.50	.39	.30	580200B00000
37	Dip Cooler, 24 Pin IC, Slide-On, Black	1.46 x 1.008 x .58 (37.08 x 25.60 x 14.73)	20.0	HS182-ND	.76	.59	.54	580500B00000
38	Dip Cooler, 14-16 Pin, Glue-On, Black	.73 x .25 x .19 (18.54 x 6.35 x 4.83)	62.5	HS227-ND	.72	.65	.51	501200B00000
38	Dip Cooler, 24 Pin IC, Glue-On, Black	1.25 x .53 x .19 (31.75 x 13.47 x 4.83)	44.0	HS273-ND	.81	.73	.57	508500B00000G
38	Dip Cooler, 40 Pin IC, Glue-On, Black	2.0 x .53 x .19 (50.8 x 13.47 x 4.83)	28.0	HS274-ND	1.50	1.36	1.06	508700B00000

* Dielectric Coating Unless otherwise noted, all heat sinks are black anodized aluminum.

Fig.	Description	Dimensions – Inch (mm) L x W x H	Digi-Key Part No.	Cut Tape Price Each 1	10	Tape & Reel Pricing† 250	500	Mfg. Part No.
39	SMT D2 Pak Heat Sink, Autoinsertable, Pretinned	1.03 x .50 x .40 (26.16 x 12.70 x 10.16)	HS123CT-ND	.65	.59	119.21	216.75	573300D00010
39	SMT D3 Pak Heat Sink, Autoinsertable, Pretinned	1.22 x .50 x .40 (30.99 x 12.70 x 10.16)	HS124CT-ND	.68	.61	124.99	227.25	573400D00010

† For Tape and Reel part number, change the CT-ND to TR-ND.

Wakefield Engineering — Heat Sinks

Wakefield Engineering is recognized as a worldwide leader in innovative thermal management solutions. Their products range from board level heat sinks for both surface mount and thru-hole, to fan mounted heat sinks for microprocessors and CPU's. Wakefield Engineering offers a single source for all of your thermal requirements. DeltaPads are replacements to heat sink grease but without any mess. They are heat conducting, electrically isolating pads to go between the heat sink and your semiconductor device. TO-220 heatsinks will also fit TO-202 and TO-126 packages.

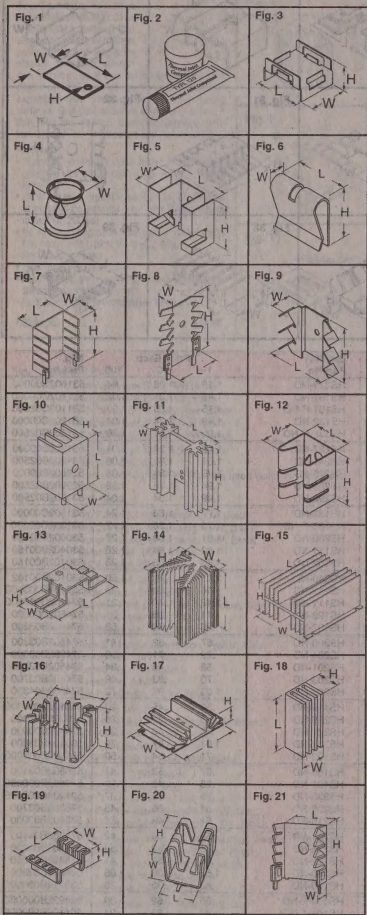


Fig.	Description	Dimensions – mm L x W x H	Digi-Key Part No.	Price Each 1	10	100	Wakefield Part No.
1	DeltaPad Thermal Pad TO-220 No Adhesive (.18mm)	18.0 x 12.7 x 3.6 dia.	345-1000-ND	.42	.30	.21	173-7-220P
1	DeltaPad Thermal Pad TO-220, Adhesive (.18mm)	19.1 x 12.7 x 3.7 dia.	345-1079-ND	.25	.18	.13	173-7-240A
1	DeltaPad Thermal Pad TO-220, No Adhesive (.23mm)	19.1 x 12.7 x 3.2 dia.	345-1080-ND	.25	.18	.13	173-9-230P
1	DeltaPad Thermal Pad TO-220, No Adhesive (.23mm)	19.1 x 12.7 x 3.7 dia.	345-1001-ND	.95	.68	.48	173-9-240P
1	Kapton Thermal Pad, TO-220, No Adhesive (.15mm)	18.0 x 12.7 x 3.6 dia.	345-1002-ND	.46	.33	.23	175-6-220P
1	Kapton Thermal Pad TO-220, No Adhesive (.15mm)	19.1 x 12.7 x 3.2 dia.	345-1003-ND	.35	.25	.18	175-6-230P
1	Kapton Thermal Pad TO-220, No Adhesive (.15mm)	19.1 x 12.7 x 3.7 dia.	345-1004-ND	.39	.28	.20	175-6-240P
1	Kapton Thermal Pad TO-220, No Adhesive (.15mm)	21.8 x 18.8 x 4.1 dia.	345-1005-ND	.63	.45	.32	175-6-280P
2	Silicon Thermal Grease, 4 gram Plastic Pak	—	345-1006-ND	5.04	3.36	2.61	120-SA
2	Silicon Thermal Grease, 2 Oz. Jar	—	345-1007-ND	13.02	8.68	6.73	120-2
2	Silicon Thermal Grease, 5 Oz. Tube	—	345-1008-ND	24.43	17.10	14.86	120-5
2	Silicon Thermal Grease, 8 Oz. Jar	—	345-1009-ND	29.78	20.85	17.97	120-8
2	Silicon Thermal Grease, 5 Lbs. Can	—	345-1010-ND	147.95	103.57	88.77	120-80
2	Synthetic Non-Silicon Thermal Compound 4 Oz Tube	—	345-1011-ND	26.23	18.36	15.74	126-4
3	D-Pack/SOT-23 Heat Sink, Pretinned, Autoinsertable	18.80 x 15.24 x 9.14	345-1012-ND	.32	.23	.16	217-36CT6
4	TO-5 Clip-On Cup Style With 4-40 Thd Base	9.40 x 9.65 dia.	345-1013-ND	12.90	8.60	6.67	260-4TSE
5	TO-220, Self-Locking, Horz/Vert Mount, Black	25.40 x 12.70 x 21.59	345-1016-ND	.70	.50	.35	235-85AB
6	TO-220, Self-Locking, Horz/Vert Mount, Black	20.32 x 6.86 x 20.32	345-1017-ND	.35	.25	.18	243-3PAB
7	TO-220, Vertical Mount Wave-Solderable, With Tabs Black	25.40 x 12.70 x 29.97	345-1018-ND	1.61	1.15	.81	287-1AB
7	TO-220, Low Cost Horz/Vert Mount, Black	25.40 x 12.70 x 18.03	345-1019-ND	.39	.28	.20	289-AB
7	TO-220, Dual Low Cost Horz/Vert Mount, Black	25.40 x 12.70 x 29.97	345-1020-ND	.53	.38	.27	290-1AB
7	TO-220, Dual Mount Low Cost, Black	25.40 x 12.70 x 29.97	345-1021-ND	.53	.38	.27	290-2AB
7	TO-220, Low Cost Horz/Vert Mount, Black	19.05 x 9.52 x 19.05	345-1022-ND	.53	.38	.27	273-AB
7	TO-220, Low Cost Horz/Vert Mount, Black	13.21 x 9.52 x 19.05	345-1023-ND	.39	.28	.20	274-1AB
7	TO-220, Vertical Mount, Black	25.4 x 12.7 x 30.0	345-1081-ND	1.12	.80	.56	206-1PABH
7	TO-220, Wave-Solderable Low-Cost Heat Sinks	25.4 x 12.7 x 30.0	345-1088-ND	1.61	1.15	.81	287-1ABH
8	TO-220, Vertical Mount Wave-Solderable, With Tabs	22.23 x 5.46 x 31.75	345-1024-ND	1.47	1.05	.74	288-1AB
9	TO-220 Self-Locking, Vertical Mount, Black	25.40 x 9.14 x 21.84	345-1025-ND	.77	.55	.39	291-H36AB
10	TO-220 Power Vertical Mount With Pins/6-32Thds, Black	16.26 x 16.26 x 25.40	345-1026-ND	1.79	1.28	.90	634-10ABP
10	TO-220 Power Vertical Mount With Pins/6-32Thds, Black	16.26 x 16.26 x 38.1	345-1091-ND	1.89	1.35	.95	634-15ABP
10	TO-220 Power Vertical Mount With Pins/6-32Thds, Black	16.26 x 16.26 x 50.80	345-1027-ND	2.52	1.80	1.26	634-20ABP
11	TO-220 Power Vertical Mount With Pins, Black	34.93 x 12.70 x 25.40	345-1028-ND	1.54	1.10	.77	637-10ABP
11	TO-220 Power Vertical Mount With Pins, Black	34.93 x 12.70 x 38.10	345-1029-ND	2.14	1.53	1.07	637-15ABP
11	TO-220 Power Vertical Mount With Pins, Black	34.93 x 12.70 x 50.80	345-1030-ND	1.82	1.30	.91	637-20ABP
11	TO-220 Power Vertical Mount With Pins, Black	41.91 x 25.40 x 25.40	345-1031-ND	1.79	1.28	.90	647-10ABP
11	TO-220 Power Vertical Mount With Pins, Black	41.91 x 25.40 x 38.10	345-1032-ND	2.03	1.45	1.02	647-15ABP
11	TO-220 Power Vertical Mount With Pins, Black	41.91 x 25.40 x 38.10	345-1033-ND	2.03	1.45	1.02	657-15ABP
11	TO-220 Power Vertical Mount With Pins, Black	41.91 x 25.40 x 38.10	345-1034-ND	2.14	1.53	1.07	657-15ABPN
11	TO-220 Power Vertical Mount With Pins, Black	41.91 x 25.40 x 50.80	345-1035-ND	2.56	1.83	1.28	657-20ABP
11	TO-220 Pwr SpeedClip Mount With Pins (Order clip below)	34.93 x 12.70 x 25.40	345-1037-ND	2.28	1.63	1.14	667-10ABPP
—	SpeedClip, Stainless Steel for 667 Series	—	345-1039-ND	.81	.58	.41	330-SC
12	TO-220 Self-Locking Horz/Vert Mount, Black	14.48 x 12.70 x 19.05	345-1040-ND	.46	.33	.23	230-75AB
13	TO-220 Low Cost Horz/Vert Mount, Black	44.45 x 9.52 x 17.78	345-1041-ND	.42	.30	.21	270-AB
13	TO-220 Top Mount Booster for 270,272,280 Series, Black	44.45 x 12.70 x 17.78	345-1042-ND	.46	.33	.23	271-AB
13	TO-220 Dual Mount Horz, Black	44.45 x 9.52 x 36.83	345-1043-ND	.60	.43	.30	272-AB
14	IGBT and SSR's Power Module's Black	180.01 x 124.97 x 135.64	345-1046-ND	120.13	84.09	72.08	392-180AB
15	TO-3 Power Horz Mount Double Fin, Black	120.65 x 38.10 x 31.75	345-1047-ND	12.75	8.50	6.59	401-A
15	Power Heat Sink Horz, Double Fin, No Holes	120.65 x 38.10 x 31.75	345-1048-ND	8.58	5.72	4.44	401-K
15	Power Heat Sink, Horz, Double Fin, No Holes	120.65 x 76.20 x 66.55	345-1049-ND	15.30	10.20	7.91	421-K
15	Power Heat Sink, Horz, Double Fin, No Holes	120.65 x 139.70 x 66.55	345-1050-ND	19.33	13.53	11.60	423-K
16	TO-3 Power, Horz Mount, Omnidirectional, Black	45.97 x 45.97 x 31.75	345-1051-ND	6.69	4.46	3.46	680-125A
17	TO-3 Heavy Duty Power, Horz Mount, Black	104.78 x 76.20 x 25.40	345-1052-ND	10.89	7.26	5.63	641-A
17	Power Heat Sink, Horz Mount, No Holes, Black	104.78 x 76.20 x 25.40	345-1053-ND	10.50	7.00	5.43	641-K
18	14-16 Dip IC Heat Sink, Glue On, Black	19.05 x 10.54 x 6.10	345-1054-ND	.84	.60	.42	651-B
19	Surface Mount, Black	22.9 x 8.0 x 10.2	345-1082-ND	1.02	.73	.51	218-40CT3
19	Surface Mount, Black	26.2 x 12.7 x 10.2	345-1083-ND	.74	.53	.37	218-40CT5
20	TO-220, Horizontal and Vertical Mount, Black	14.5 x 12.7 x 19.1	345-1084-ND	.60	.43	.30	262-75AB-01
20	TO-220, Horizontal and Vertical Mount, Black	14.5 x 12.7 x 19.1	345-1085-ND	.67	.48	.34	262-75AB-05
21	TO-220, Vertical Mount, Black	25.4 x 12.7 x 30.0	345-1086-ND	.95	.68	.48	265-118ABH-22
22	TO-220, Low-Height Wavesolderable, Black	19.1 x 12.7 x 13.2	345-1087-ND	.39	.28	.20	274-2AB
23	Stud-Mount, Black, ID=5.1mm	— x 33.8 x 12.3	345-1095-ND	1.68	1.20	.84	695-1B
24	Half Brick DC/DC Converter, Vert, Black	57.91 x 60.96 x 24.13	345-1055-ND	3.75	2.50	1.94	518-95AB
24	Half Brick DC/DC Convert With Hardware/Thermal Pad	57.91 x 60.96 x 24.13	345-1056-ND	6.57	4.38	3.40	518-95AB-MS4
24	Half Brick DC/DC Converter Vert, Black	57.91 x 60.96 x 11.43	345-1057-ND	3.24	2.16	1.68	528-45AB

CPU, PGA and BGA Heat Sinks

609 Series: Fits PowerPC 601, 604, 255BGA 628 Series: Fits IntelDX4, Intel 80486DX2, AM486DX2/DX4 658 Series: Fits IntelDX4, AM29240, PowerPC 603

Fig.	Description	Dimensions – mm L x W x H	Digi-Key Part No.	Price Each 1	10	100	Wakefield Part No.
	CPU Cooler						
18	35mm BGA Unidirectional Fin Heat Sink	35.00 x 35.00 x 11.4	345-1092-ND	2.00	1.43	1.00	642-45AB
25	40mm QFP and 21mm BGA With Clips and Thermal Tape, Black	73.41 x 50.80 x 12.70	345-1058-ND	12.48	8.32	6.45	609-50ABS3
26	21mm BGA With Thermal Double Sided Tape	21.01 x 21.01 x 6.35	345-1059-ND	2.17	1.55	1.09	624-25ABT4
26	25mm BGA With Thermal Double Sided Tape	24.99 x 24.99 x 6.35	345-1060-ND	2.45	1.75	1.23	625-25ABT4
26	17x17 PGA No Tape, Black	44.45 x 43.18 x 10.16	345-1061-ND	2.35	1.68	1.18	628-40AB
26	17x17 PGA No Tape, Black	44.45 x 43.18 x 16.51	345-1062-ND	2.70	1.80	1.40	628-65AB
26	28-38mm CQFP No Tape, Black	27.94 x 27.94 x 6.35	345-1036-ND	1.16	.83	.58	658-25AB
26	28-38mm CQFP With Thermal Tape (Chomerics T-405), Black	27.94 x 27.94 x 6.35	345-1063-ND	2.73	1.95	1.58	658-25ABT1
26	28-38mm CQFP With Thermal Tape (Arclad 8223) Black	27.94 x 27.94 x 6.35	345-1064-ND	2.52	1.80	1.26	658-25ABT2
26	28-38mm CQFP With Thermal Tape (Chomerics T-412), Black	27.94 x 27.94 x 6.35	345-1065-ND	2.49	1.66	1.29	658-25ABT4
26	28-38mm CQFP No Tape, Black	27.94 x 27.94 x 8.89	345-1066-ND	1.16	.83	.58	658-35AB
26	28-38mm CQFP With Thermal Tape (Chomerics T-412), Black	27.94 x 27.94 x 8.89	345-1067-ND	2.43	1.62	1.26	658-35ABT3
26	28-38mm CQFP With Thermal Tape (Chomerics T-410), Black	27.94 x 27.94 x 8.89	345-1068-ND	2.49	1.66	1.29	658-35ABT4
26	28-38mm CQFP No Tape, Black	27.94 x 27.94 x 11.43	345-1069-ND	1.26	.90	.63	658-45AB
26	28-38mm CQFP With Thermal Tape (Chomerics T-412), Black	27.94 x 27.94 x 11.43	345-1070-ND	2.66	1.90	1.33	658-45ABT2
26	28-38mm CQFP With Thermal Tape (Chomerics T-410), Black	27.94 x 27.94 x 11.43	345-1071-ND	2.61	1.74	1.35	658-45ABT4
26	28-38mm CQFP No Tape, Black	27.94 x 27.94 x 15.24	345-1072-ND	1.51	1.08	.76	658-60AB
26	28-38mm CQFP With Thermal Tape (Chomerics T-405), Black	27.94 x 27.94 x 15.24	345-1073-ND	2.58	1.72	1.34	658-60ABT1
26	28-38mm CQFP With Thermal Tape (Arclad 8223), Black	27.94 x 27.94 x 15.24	345-1074-ND	2.40	1.60	1.24	658-60ABT2
26	28-38mm CQFP With Thermal Tape (Chomerics T-412), Black	27.94 x 27.94 x 15.24	345-1075-ND	2.67	1.78	1.38	658-60ABT3
26	21mm BGA With Omnidirectional Pin Fin Heat Sink, Black	21.01 x 21.01 x 11.4	345-1089-ND	2.07	1.48	1.04	624-45ABT3
26	25mm BGA With Omnidirectional Pin Fin Heat Sink, Black	24.99 x 24.99 x 11.4	345-1090-ND	1.54	1.10	.77	625-45AB
26	Pin Fin Heat Sinks, Black	40.6 x 40.6 x 13.3	345-1093-ND	2.21	1.58	1.11	655-53AB
26	Omnidirectional Pin Fin, Black	27.9 x 27.9 x 27.2	345-1094-ND	2.73	1.82	1.42	658-60ABT4
	CPU Composite Cooler						
27	CPU Composite Cooler for 84-100QFP, 169BGA, No Tape, Black	16.51 x 16.51 x 10.16	345-1076-ND	1.26	.90	.63	D10650-40
27	CPU Composite Cooler for 128-200QFP, 313BGA, No Tape, Black	21.59 x 21.59 x 10.16	345-1077-ND	1.26	.90	.63	D10850-40

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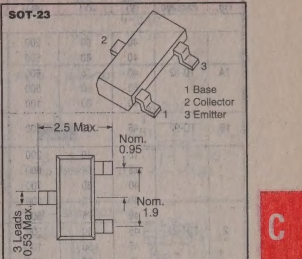
0-100 Volts

V_{CEO} (V)	V_{CBO} (V)	I_C (cont.) (A)	h_{FE} @ I_C/V_{CE} Min.	Max.	(I_C mA)	(V_{CE} V)	V_{CE} (sat) Max. (V)	@I_C (mA)	@I_B (mA)	Packaging Type	Digi-Key Part No.	Loose Piece Pricing 1	10	100	1,000
										NPN					
60	150	5.0	100	300	2000	1	0.25	5000	200	Super E-Line — TO-92	ZTX851-ND	1.72	12.87	77.22	486.20
	150	4.5	100	300	2000	1	0.03	100	5	Super E-Line — TO-92	ZX5T851A-ND	1.38	10.35	62.10	391.00
	150	4.5	100	300	2000	1	0.065	1000	50	Super E-Line — TO-92	ZXTN2010A-ND◆	1.43	10.71	64.26	404.60
	150	4.5	100	300	2000	1	0.065	1000	50	Super E-Line — TO-92	ZXTN2010ASTZ-ND◆	1.43	10.71	64.26	404.60
	80	2.0	100	300	500	2	0.5	2000	200	Super E-Line — TO-92	ZTX651-ND	1.09	8.15	54.30	362.00
	80	1.0	50	150	150	10	0.35	150	15	Super E-Line — TO-92	ZTX451-ND	.63	4.73	31.50	210.00
70	70	1.0	400	—	500	2	0.5	1000	10	Super E-Line — TO-92	ZTX692B-ND◆	1.21	9.09	60.60	404.00
75	150	3.0	300	1200	1000	2	0.25	3000	100	Super E-Line — TO-92	ZTX1053A-ND	1.34	10.04	60.21	379.10
100	200	4.0	100	300	2000	2	0.20	4000	400	Super E-Line — TO-92	ZTX853-ND◆	1.72	12.87	77.22	486.20
	120	2.0	100	300	500	2	0.5	2000	200	Super E-Line — TO-92	ZTX653-ND◆	1.09	8.15	54.30	362.00
	120	1.0	40	200	150	10	0.7	150	15	Super E-Line — TO-92	ZTX453-ND	.63	4.73	31.50	210.00
										PNP					
-60	-100	-3.5	100	300	1000	-1	-0.065	1000	100	Super E-Line — TO-92	ZXTP2012A-ND◆	1.01	7.56	45.36	285.60
	-100	-4.0	100	300	1000	-1	-0.30	4000	400	Super E-Line — TO-92	ZTX951-ND	1.76	13.23	79.38	499.80
	-80	-2.0	100	300	500	-2	-0.5	2000	200	Super E-Line — TO-92	ZTX751-ND	1.13	8.46	56.40	376.00
	-80	-1.0	50	150	150	-10	-0.35	150	15	Super E-Line — TO-92	ZTX551-ND	.67	5.04	33.60	224.00
-70	-75	-2.0	300	800	10	-2	-0.5	1000	25	Super E-Line — TO-92	ZTX792A-ND	1.25	9.41	62.70	418.00
-100	-140	-3.5	100	300	1000	-1	-0.33	4000	400	Super E-Line — TO-92	ZTX953-ND	1.76	13.23	79.38	499.80
	-120	-2.0	100	300	500	-2	-0.5	2000	200	Super E-Line — TO-92	ZTX753-ND◆	1.13	8.46	56.40	376.00
	-120	-1.0	40	200	150	-10	-0.25	150	15	Super E-Line — TO-92	ZTX553-ND◆	.67	5.04	33.60	224.00

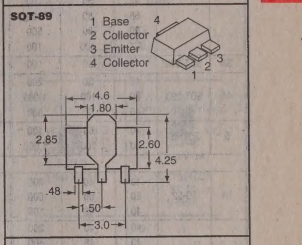
V_{CEO} (V)	V_{CBO} (V)	I_C (cont.) (A)	h_{FE} @ I_C/V_{CE} Min.	Max.	(I_C mA)	(V_{CE} V)	V_{CE} (sat) Max. (V)	@I_C (mA)	@I_B (mA)	Packaging Type	Digi-Key Part No.	Cut Tape Price Each 1	10	Digi-Key Part No.	Tape & Reel Size	Pricing
										NPN						
60	150	6.0	100	300	2000	1	-0.17	2000	50	SOT-223	FZT851CT-ND	1.84	1.38	FZT851TR-ND	1,000	520.20
	150	6.0	100	300	2000	1	-0.03	100	5	SOT-223	ZX5T851GCT-ND	1.46	1.10	ZX5T851GTR-ND	1,000	414.80
	150	6.0	100	300	2000	1	-0.07	1000	50	SOT-223	ZXTN2010GCT-ND◆	1.43	1.08	ZXTN2010GTR-ND◆	1,000	404.60
	150	5.0	100	300	2000	1	-0.055	1000	100	SOT-89	ZX5T851ZCT-ND◆	1.10	.83	ZX5T851ZTR-ND◆	1,000	312.80
	150	5.0	100	300	2000	1	-0.065	1000	50	SOT-89	ZXTN2010ZCT-ND◆	1.10	.83	ZXTN2010ZTR-ND◆	1,000	312.80
60	150	3.5	25	—	.0035	2	-0.040	500	50	SOT-23	ZXTN25060BFHCT-ND◆	.79	.60	ZXTN25060BFHTR-ND◆	3,000	238.00/M
	140	5.0	100	300	2000	1	30	100	5	SOT-23	ZXTN2018FCT-ND◆ **NEW!**	1.12	.85	ZXTN2018FTR-ND◆ **NEW!**	3,000	336.60/M
	80	3.0	100	300	500	2	-0.3	1000	100	SOT-223	FZT651CT-ND	1.21	.91	FZT651TR-ND	1,000	343.40
	80	1.0	100	300	500	5	-0.5	1000	100	SOT-89	FCX491CT-ND	.61	.46	FCX491TR-ND	1,000	171.70
	80	1.0	100	300	500	5	-0.3	500	50	SOT-23	FMMT491CT-ND◆	.45	.34	FMMT491TR-ND◆	3,000	135.00/M
	80	1.0	100	300	500	5	-0.25	500	50	SOT-223	FZT491CT-ND◆	1.09	.82	FZT491TR-ND◆	1,000	309.40
	80	1.0	50	150	150	10	-0.35	150	15	SOT-23	FMMT451CT-ND	.45	.34	FMMT451TR-ND	3,000	135.00/M
70	70	1.0	400	—	500	2	-0.15	100	0.5	SOT-223	FZT692BCT-ND◆	1.31	.99	FZT692BTR-ND◆	1,000	372.30
75	150	5.0	260	—	10	2	-0.095	1000	100	D-PAK	ZXT1053AKCT-ND	1.44	1.08	ZXT1053AKTR-ND	2,500	408.00/M
	150	4.5	300	1200	500	2	-0.21	2000	100	SOT-223	FZT1053ACT-ND	1.30	.98	FZT1053ATR-ND	1,000	367.20
	150	3.0	270	1200	1000	2	-0.25	3000	100	SOT-89	FCX1053ACT-ND	.98	.74	FCX1053ATR-ND	1,000	277.10
80	100	3.5	300	900	200	2	20	100	10	MLP322	ZXTEM322CT-ND◆ **NEW!**	.85	.64	ZXTEM322TR-ND◆ **NEW!**	3,000	253.80/M
	80	1.5	300	900	200	2	-0.20	1500	50	SOT-23	FMMT620CT-ND	.86	.65	FMMT620TR-ND	3,000	216.00/M
	100	1.0	100	250	150	2	-0.5	500	50	SOT-89	BCX5616CT-ND◆	.49	.37	BCX5616TR-ND◆	1,000	139.40
	90	1.0	100	300	100	5	0.25	150	15	SOT-89	BSR43CT-ND◆ **NEW!**	.49	.37	BSR43TR-ND◆ **NEW!**	1,000	164.00
	80	1.0	100	300	500	5	0.2	100	2	SOT-23	ZXTN2038FCT-ND◆ **NEW!**	.34	.26	ZXTN2038FTR-ND◆ **NEW!**	3,000	100.80/M
	80	0.50	50	—	100	10	-0.25	100	10	SOT-23	FMMTA06CT-ND	.42	.32	FMMTA06TR-ND	3,000	126.00/M
100	200	6.0	100	300	2000	2	-0.15	2000	100	SOT-223	FZT853CT-ND◆	1.84	1.38	FZT853TR-ND◆	1,000	520.20
	200	6.0	100	300	2000	2	-0.065	1000	100	SOT-223	ZX5T853GCT-ND	1.44	1.08	ZX5T853GTR-ND	1,000	408.00
	200	6.0	100	300	2000	2	-0.065	1000	100	SOT-223	ZXTN2011GCT-ND◆	1.43	1.08	ZXTN2011GTR-ND◆	1,000	404.60
	200	4.5	100	300	2000	2	-0.06	1000	100	SOT-89	ZXTN2011ZCT-ND◆	1.10	.83	ZXTN2011ZTR-ND◆	1,000	312.80
	170	3.0	—	—	3000	2	-0.055	500	50	SOT-23	ZXTN25100BFHCT-ND◆	.79	.60	ZXTN25100BFHTR-ND◆	3,000	238.00/M
	100	4.0	100	300	1000	2	30	100	5	SOT-23	ZXTN2020FCT-ND◆ **NEW!**	1.12	.85	ZXTN2020FTR-ND◆ **NEW!**	3,000	336.60/M
	120	2.0	100	300	500	2	-0.3	1000	100	SOT-223	FZT653CT-ND◆	1.21	.91	FZT653TR-ND◆	1,000	343.40
	180	2.5	300	900	10	2	170	500	10	SOT-23	ZXTN25100DFHCT-ND◆ **NEW!**	.85	.64	ZXTN25100DFHTR-ND◆ **NEW!**	3,000	211.50/M
	120	1.0	100	300	250	10	-0.3	500	50	SOT-89	FCX493CT-ND	.61	.46	FCX493TR-ND	1,000	171.70
	120	1.0	100	300	250	10	-0.25	500	50	SOT-23	FMMT493CT-ND◆	.45	.34	FMMT493TR-ND◆	3,000	135.00/M
	120	1.0	100	300	250	10	-0.3	500	50	SOT-223	FZT493CT-ND◆	1.09	.82	FZT493TR-ND◆	1,000	309.40
										PNP						
-60	-100	-6.0	100	—	10	-1	-0.09	1000	100	D-PAK	ZXT951KCT-ND	2.94	2.21	ZXT951KTR-ND	2,500	833.00/M
	-100	-5.5	100	300	2000	-1	-0.07	1000	100	SOT-223	ZX5T951GCT-ND◆	1.44	1.08	ZX5T951GTR-ND◆	1,000	408.00
	-100	-5.5	100	300	2000	-1	-0.07	1000	100	SOT-223	ZXTP2012GCT-ND◆	1.43	1.08	ZXTP2012GTR-ND◆	1,000	404.60
	-100	-5.0	100	300	2000	-1	-0.12	2000	200	SOT-223	FZT951CT-ND	1.84	1.38	FZT951TR-ND	1,000	520.20
	-100	-4.3	100	300	2000	-1	-0.065	1000	100	SOT-89	ZXTP2013ZCT-ND◆	1.10	.83	ZXTP2013ZTR-ND◆	1,000	312.80
	-100	-4.3	100	300	2000	-1	-0.065	1000	100	SOT-89	ZXTP2012ZCT-ND◆	1.10	.83	ZXTP2012ZTR-ND◆	1,000	312.80
	-100	-4.0	100	300	2000	-2	-25	100	10	SOT-23	ZXTP2027FCT-ND◆ **NEW!**	1.12	.85	ZXTP2027FTR-ND◆ **NEW!**	3,000	336.60/M
	-100	-3.0	30	—	3000	-2	-0.055	500	50	SOT-23	ZXTP25060BFHCT-ND◆	.79	.60	ZXTP25060BFHTR-ND◆	3,000	238.00/M
	-80	-3.0	100	300	500	-2	-0.3	1000	100	SOT-223	FZT751CT-ND◆	1.16	.87	FZT751TR-ND◆	1,000	328.10
	-80	-1.0	100	300	500	-5	-0.6	1000	100	SOT-89	FCX591CT-ND	.61	.46	FCX591TR-ND	1,000	171.70
	-80	-1.0	100	300	500	-5	-0.3	500	50	SOT-23	FMMT591CT-ND	.46	.35	FMMT591TR-ND	3,000	138.60/M
	-80	-1.0	100	300	500	-5	-0.3	500	50	SOT-223	FZT591CT-ND	1.09	.82	FZT591TR-ND	1,000	309.40
-70	-70	-2.5	300	—	10	-5	-50	100	10	MLP322	ZXT4M322CT-ND◆ **NEW!**	.85	.64	ZXT4M322TR-ND◆ **NEW!**	3,000	254.00/M
	-75	-2.0	250	—	500	-2	-0.5	1000	25	SOT-223	FZT792ACT-ND◆	1.31	.99	FZT792ATR-ND◆	1,000	372.30
	-70	-1.5	150	—	1000	-5	-0.30	500	20	SOT-223	FMMT722CT-ND◆	.92	.69	FMMT722TR-ND◆	3,000	229.50/M
	-80	-1.0	50	150	150	-10	-0.35	150	15	SOT-23	FMMT551CT-ND	.45	.34	FMMT551TR-ND	3,000	135.00/M
	-70	-1.0	100	300	100	-5	-0.5	500	50	SOT-89	BSR31CT-ND	.99	.75	—	—	—
-80	-100	-1.0	100	250	150	-2	-0.5	500	50	SOT-89	BCX5316CT-ND	.49	.37	BCX5316TR-ND	1,000	139.40
	-90	-1.0	100	300	100	-5	-0.25	150	15	SOT-89	BSR33CT-ND◆ **NEW!**	.49	.37	BSR33TR-ND◆ **NEW!**	1,000	164.00
	-80	-1.0	100	300	500	-5	-0.2	100	2	SOT-23	ZXTP2039FCT-ND◆ **NEW!**	.34	.26	ZXTP2039FTR-ND◆ **NEW!**	3,000	100.80/M
	-80	-0.50	50	—	100	-1	-0.25	100	10	SOT-23	FMMTA56CT-ND	.42	.32	FMMTA56TR-ND	3,000	126.00/M
-100	-140	-5.0	100	300	1000	-1	-0.22	2000	200	SOT-223	FZT953CT-ND	1.84	1.38	FZT953TR-ND	1,000	520.20
	-140	-5.0	100	—	10	-1	-0.1	1000	100	D-PAK	ZXT953KCT-ND	1.80	1.35	ZXT953KTR-ND	2,500	510.00/M
	-140	-5.0	100	300	1000	-1	-0.09	1000	100	SOT-223	ZX5T953GCT-ND	1.44	1.08	ZX5T953GTR-ND	1,000	408.00
	-140	-5.0	100	300	1000	-1	-0.09	1000	100	SOT-223	ZXTP2013GCT-ND◆	1.43	1.08	ZXTP2013GTR-ND◆	1,000	404.60
	-140	-3.5	100	300	1000	-1	-0.085	1000	100	SOT-89	ZXTP2013ZCT-ND◆	1.10	.83	ZXTP2013ZTR-ND◆	1,000	312.80
	-130	-3.0	100	300	1000	-2	-30	100	10	SOT-23	ZXTP2029FCT-ND◆ **NEW!**	1.12	.85	ZXTP2029FTR-ND◆ **NEW!**	3,000	336.60/M
	-140	-2.0	15	—	2000	-2	-0.090	500	50	SOT-23	ZXTP25100BFHCT-ND◆	.79	.60	ZXTP25100BFHTR-ND◆	3,000	238.00/M
	-120	-2.0	100	300	500	-2	-0.3	1000	100	SOT-223	FZT753CT-ND	1.16	.87	FZT753TR-ND	1,000	328.10
	-120	-1.0	100	300	500	-5	-0.3	500	50	SOT-89	FCX593CT-ND	.61	.46	FCX593TR-ND	1,000	171.70
	-120	-1.0	100	300	500	-10	-0.3	500	50	SOT-23	FMMT593CT-ND	.46	.35	FMMT593TR-ND	3,000	138.60/M
	-120	-1.0	100	300	500	-2	-0.3	500	50	SOT-223	FZT593CT-ND	1.09	.82	FZT593TR-ND	1,000	309.40
	-100	-1.0	250	—	500	-10	-0.20	500	50	SOT-23	FMMT723CT-ND	.92	.69	FMMT723TR-ND	3,000	229.50/M

◆ *RoHS Compliant* (parts other than indicated may be available as RoHS compliant)

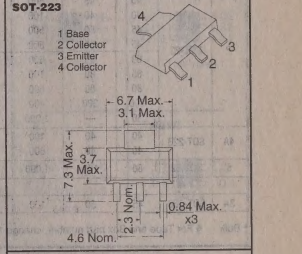
SOT-23



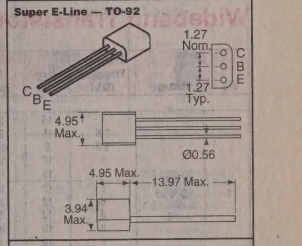
SOT-89



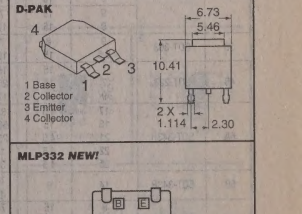
SOT-223



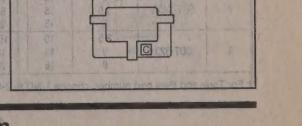
Super E-Line — TO-92



D-PAK



MLP332 ***NEW!***



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Transistors

Fig.	Package	V_{CEO} (V)	V_{CBO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	FT (Min.) MHz.	Digi-Key Part No.	Cut Tape Pricing 1	25	100	Tape & Reel ‡ Size	Pricing	NXP Part No.
								NPN						
		40	60	200	100	300	300	568-1366-1-ND	.13	2.48	7.15	2,000	29.70/M	2N3904 T/R
		40	60	600	100	300	250	568-1368-1-ND	.13	2.48	7.15	2,000	29.70/M	2N4401 T/R
1A	TO-92	40	75	600	100	300	300	568-1751-1-ND	.12	2.25	6.50	2,000	27.00/M	PN2222A T/R
		80	80	500	100	—	100	568-1173-ND†	.17	3.15	9.10	—	—	MPSA06
		40	60	100	160	300	180	568-2453-1-ND ***NEW!***	.27	5.06	14.04	2,000	59.40/M	MPS3904 AMO
1B	TO-92	45	50	500	160	400	80	568-1627-1-ND§	.14	2.70	7.80	2,000	32.40/M	BC337-16 AMO
								568-1628-1-ND§	.14	2.70	7.80	2,000	32.40/M	BC337-25 AMO
		15	40	200	40	120	500	568-1739-1-ND	.13	2.48	7.15	3,000	25.85/M	PMBT2369 T/R
		15	60	600	100	300	250	568-1743-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT4401 T/R
		40	60	200	100	300	300	568-1741-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT3904 T/R
		40	75	600	100	300	300	568-1738-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT2222A T/R
		40	75	500	160	400	80	568-1630-1-ND	.12	2.25	6.50	3,000	23.50/M	BC817-25 T/R
2	SOT-23	45	50	500	160	400	80	568-1631-1-ND	.12	2.25	6.50	3,000	23.50/M	BC817-40 T/R
		45	50	100	200	450	100	568-1633-1-ND	.09	1.69	4.88	3,000	17.63/M	BC847B T/R
		45	50	100	420	800	100	568-1636-1-ND	.09	1.69	4.88	3,000	17.63/M	BC847C T/R
		65	80	100	200	450	100	568-1632-1-ND	.09	1.69	4.88	3,000	17.63/M	BC846B T/R
		80	80	500	100	—	100	568-1745-1-ND	.13	2.48	7.15	3,000	25.85/M	PMBTA06 T/R
		300	300	100	40	—	50	568-1748-1-ND	.17	3.15	9.10	3,000	32.90/M	PMBTA42 T/R
3A	SOT-363	45	50	100	200	450	100	568-1635-1-ND	.22	4.05	11.70	3,000	42.30/M	BC847BS T/R
		40	60	200	100	300	300	568-1182-1-ND	.40	8.00	24.00	1,000	112.00	PZT3904 T/R
4A	SOT-223	80	100	1,000	40	250	130	568-1639-1-ND	.40	7.81	22.00	1,000	95.00	BCP56 T/R
		40	60	600	100	300	150	568-2456-1-ND ***NEW!***	.40	8.00	24.00	1,000	112.00	PZT4401 T/R
5	SOT-89	40	60	100	100	300	300	568-1181-1-ND	.50	10.00	30.00	1,000	140.00	PXT2222A T/R
		80	100	1,000	100	250	130	568-1642-1-ND	.36	7.22	19.80	1,000	99.00	BCX56-16 T/R
								PNP						
		40	40	200	100	300	250	568-1367-1-ND	.13	2.48	7.15	2,000	29.70/M	2N3906 T/R
1A	TO-92	60	60	600	100	300	200	568-1752-1-ND	.12	2.25	6.50	2,000	27.00/M	PN2907A T/R
		40	40	100	100	300	—	568-2454-1-ND ***NEW!***	.27	5.06	14.04	2,000	59.40/M	MPS3906 AMO
		40	40	200	100	300	250	568-1742-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT3906 T/R
		40	40	600	100	300	200	568-1744-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT4403 T/R
		40	40	100	220	475	100	568-1638-1-ND	.09	1.69	4.88	3,000	17.63/M	BC857B T/R
		45	50	500	100	600	80	568-1640-1-ND	.18	3.38	9.75	3,000	35.25/M	BCX17 T/R
2	SOT-23	45	50	500	250	600	80	568-1629-1-ND	.12	2.25	6.50	3,000	23.50/M	BC807-40 T/R
		60	60	600	100	300	200	568-1740-1-ND	.08	1.58	4.55	3,000	16.45/M	PMBT2907A T/R
		65	80	100	220	475	100	568-1637-1-ND	.09	1.69	4.88	3,000	17.63/M	BC856B T/R
		80	80	500	100	—	50	568-1747-1-ND	.14	2.70	7.80	3,000	28.20/M	PMBTA56 T/R
		300	300	100	40	—	50	568-1748-1-ND	.17	3.15	9.10	3,000	32.90/M	PMBTA92 T/R
		30	—	1,000	300	450	100	568-3230-1-ND ***NEW!***	.45	9.00	27.00	3,000	121.50/M	PBSS4130T T/R
4A	SOT-223	40	40	100	100	300	250	568-1183-1-ND	.40	8.00	24.00	—	—	PZT3906 T/R
		40	40	600	100	300	200	568-2457-1-ND ***NEW!***	.40	8.00	24.00	1,000	112.00	PZT4403 T/R
5	SOT-89	80	100	1,000	100	250	50	568-1641-1-ND	.36	7.22	19.80	1,000	99.00	BCX53-16 T/R
								NPN/PNP						
3A	SOT-363	45	50	100	200	450	100	568-1634-1-ND	.22	4.05	11.70	3,000	42.30/M	BC847BPN T/R

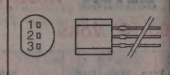
† Bulk § For Tape and Box part number, change 1-ND to 3-ND ‡ For Tape and Reel part number, change 1-ND to 2-ND

Wideband Transistors

Fig.	Package	Transition Frequency (GHz)	V_{CEO} (V)	I_C (mA)	P_{tot} (W)	h_{FE} (Typical)	Digi-Key Part No.	Cut Tape Pricing 1	25	100	Tape & Reel ‡ Size	Pricing	NXP Part No.
							NPN						
		1	15	25	0.3	90	568-1652-1-ND	.35	6.89	19.40	3,000	79.38/M	BFS17 T/R
		2.8	15	25	0.3	90	568-1653-1-ND	.39	7.66	21.56	3,000	88.20/M	BFS17A T/R
		2.8	5	6.5	.032	80	568-1992-1-ND	.66	12.29	36.86	3,000	212.94/M	BFT25A T/R
		5	15	25	0.3	90	568-1650-1-ND	.51	10.34	28.37	3,000	133.96/M	BFR92A T/R
		5	15	100	.5	80	568-1987-1-ND	.47	9.45	28.35	3,000	127.58/M	BFR106 T/R
2	SOT-23	6	12	35	0.3	90	568-1651-1-ND	.51	10.34	28.37	3,000	133.96/M	BFR93A T/R
		6	12	50	0.3	100	568-1647-1-ND	.48	9.65	26.46	3,000	124.95/M	BFQ67 T/R
		8	10	50	0.36	100	568-1174-1-ND	.51	10.24	28.08	3,000	132.60/M	PBR941 T/R
		8	10	100	0.365	100	568-1175-1-ND	.51	10.24	28.08	3,000	132.60/M	PBR951 T/R
		8	10	18	.15	120	568-1988-1-ND	.58	11.55	34.65	3,000	155.93/M	BFR505 T/R
		9	15	70	0.3	120	568-1648-1-ND	.56	10.43	31.28	3,000	180.70/M	BFR520 T/R
		9	15	120	0.5	120	568-1649-1-ND	.78	14.55	43.85	3,000	252.20/M	BFR540 T/R
3B	SOT-363	9	8	70	.1	120	568-1646-1-ND	.84	15.83	47.48	3,000	274.30/M	BFM520 T/R
		5.5	15	100	1	80	568-1986-1-ND	1.07	22.31	71.40	3,000	464.10/M	BFG97 T/R
		7	15	150	1	130	568-1643-1-ND	.91	19.03	60.90	1,000	404.99	BFG135 T/R
4B	SOT-223	7	15	200	2	90	568-1985-1-ND	.95	19.69	63.00	1,000	418.95	BFG591 T/R
		9	15	120	.65	120	568-1984-1-ND	.83	16.54	49.61	1,000	286.65	BFG541 T/R
		17	4.5	3.6	.016	80	568-1979-1-ND	.67	12.53	37.58	3,000	217.10/M	BFG403W T/R
		18	15	500	.60	100	568-1974-1-ND	.83	17.38	55.60	3,000	361.40/M	BFG21W T/R
6A	SOT-343R	21	4.5	250	.36	60	568-1982-1-ND	.76	14.18	42.53	3,000	245.70/M	BFG480W T/R
		22	4.5	12	.054	80	568-1980-1-ND	.67	12.53	37.58	3,000	217.10/M	BFG410W T/R
		25	4.5	30	0.135	80	568-1644-1-ND	.67	12.53	37.58	3,000	217.10/M	BFG425W T/R
6B	SOT-343R	14	6	10	.06	100	568-1976-1-ND	.72	13.50	40.50	3,000	234.00/M	BFG310W/XR T/R
				35	.21	100	568-1978-1-ND	.80	15.00	45.00	3,000	260.00/M	BFG325W/XR T/R
		9	15	70	0.5	120	568-1645-1-ND	.71	13.35	40.05	3,000	231.40/M	BFG520W/X T/R
7	SOT-343N	1.6	15	50	.3	90	568-1990-1-ND	.40	7.81	22.00	3,000	90.00/M	BFS17W T/R
		5	15	25	.3	90	568-1989-1-ND	.51	10.34	28.37	3,000	133.96/M	BFR92AW T/R
		8.5	10	100	0.28	100	568-1177-1-ND	.40	8.01	21.96	3,000	103.70/M	PRF957 T/R
8	SOT-323	9	15	18	.15	120	568-1991-1-ND	.56	10.50	31.50	3,000	182.00/M	BFS505 T/R
		9	15	70	0.3	120	568-1654-1-ND	.65	12.23	36.68	3,000	211.90/M	BFS520 T/R

‡ For Tape and Reel part number, change 1-ND to 2-ND

Fig. 1 — TO-92

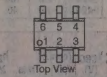


A	B
1. Collector	1. Emitter
2. Base	2. Base
3. Emitter	3. Collector

Fig. 2 — SOT-23

1. Base
2. Emitter
3. Collector

Fig. 3 — SOT-363



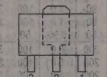
Top View

A	B
1,4 Emitter	1,4 Base
2,5 Base	2,5 Emitter
3,6 Collector	3,6 Collector

Fig. 4 — SOT-223

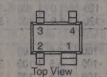
A	B
1. Base	1. Emitter
2. Collector	2. Base
3. Emitter	3. Emitter
4. Collector	4. Collector

Fig. 5 — SOT-89



1. Emitter
2. Collector
3. Base

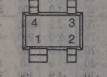
Fig. 6 — SOT-343R



Top View

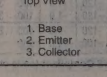
A	B
1. Emitter	1. Collector
2. Base	2. Emitter
3. Emitter	3. Base
4. Collector	4. Emitter

Fig. 7 — SOT-343N



1. Collector
2. Emitter
3. Base
4. Emitter

Fig. 8 — SOT-323



Top View

1. Base
2. Emitter
3. Collector

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Surface Mount and Through-Hole Power MOSFETS

g.	Type	V_{DS} (V)	RDS (on) Ω	RDS (on) @Volt.	ID (A)	PD (W)	Config. or Pkg.	Digi-Key Part No.	Cut Tape Pricing 1	Cut Tape Pricing 10	Cut Tape Pricing 100	Digi-Key Part No.	Tape and Reel Pricing
								SOT-23					
		25	4	4.5	0.22	0.35	Single	FDV301NCT-ND	.39	3.08	21.65	FDV301NTR-ND	265.68/3,000
		25	0.45	4.5	0.68	0.35	Single	FDV303NCT-ND	.47	3.78	25.92	FDV303NTR-ND	367.20/3,000
		30	0.125	4.5	1.6	0.5	Single	NDS355NCT-ND	.59	4.43	33.21	NDS355NTR-ND	575.64/3,000
	N-Chan.	50	3.5	10	0.22	0.36	Single	BSS138CT-ND	.36	2.70	18.72	BSS138TR-ND	216.00/3,000
		60	7.5	10	0.115	0.2	Single	2N7002NCT-ND	.25	1.89	13.10	2N7002NTR-ND	151.20/3,000
		60	2	10	0.28	0.3	Single	NDS7002ACT-ND	.39	3.15	21.60	NDS7002ATR-ND	306.00/3,000
		100	6	10	0.17	0.36	Single	BSS123NCT-ND	.31	2.33	16.12	BSS123NTR-ND	186.00/3,000
		20	0.5	4.5	0.85	0.5	Single	NDS352PCT-ND	.67	5.04	37.80	—	—
		20	0.3	4.5	1.1	0.5	Single	NDS356PCT-ND	.80	6.68	53.40	—	—
		25	10	4.5	0.12	0.35	Single	FDV302PCT-ND	.35	2.70	19.01	FDV302PTR-ND	238.28/3,000
	P-Chan.	25	1.1	4.5	0.46	0.35	Single	FDV304PCT-ND	.52	4.18	31.32	FDV304PTR-ND	422.82/3,000
		50	10	10	0.13	0.3	Single	BSS84CT-ND	.34	2.52	17.47	BSS84TR-ND	201.60/3,000
		60	5	10	0.18	0.36	Single	NDS0605CT-ND	.40	3.21	22.03	NDS0605TR-ND	312.12/3,000
		60	10	10	0.12	0.36	Single	NDS0610CT-ND	.37	2.93	20.59	NDS0610TR-ND	252.72/3,000
								SuperSOT™-3 High Drain Current					
		20	0.055	4.5	1.7	0.5	Single	FDN335NCT-ND◊ ***NEW!***	.55	4.36	32.70	FDN335NTR-ND◊ ***NEW!***	441.45/3,000
		20	0.029	4.5	3	0.5	Single	FDN339ANCT-ND◊ ***NEW!***	.56	4.20	31.50	FDN339ANTR-ND◊ ***NEW!***	546.00/3,000
		20	0.16	4.5	1.3	0.5	Single	NDS331NCT-ND	.54	4.32	32.40	NDS331NTR-ND	437.40/3,000
		30	0.11	4.5	1.7	0.5	Single	NDS335NCT-ND	.56	4.46	33.48	NDS335NTR-ND	451.98/3,000
		30	0.065	4.5	2.2	0.5	Single	FDN337NCT-ND	.58	4.66	34.92	FDN337NTR-ND	471.42/3,000
2	N-Chan.	30	0.081	4.5	1.9	0.5	Single	FDN357NCT-ND◊ ***NEW!***	.49	3.92	29.40	FDN357NTR-ND◊ ***NEW!***	396.90/3,000
		30	0.037	10	2.7	0.5	Single	FDN359ANCT-ND◊ ***NEW!***	.59	4.41	33.08	FDN359ANTR-ND◊ ***NEW!***	573.30/3,000
		30	0.16	10	1.2	0.5	Single	NDS351ANCT-ND	.42	3.36	25.20	NDS351ANTR-ND	340.20/3,000
		30	0.08	10	1.7	0.5	Single	NDS355ANCT-ND	.48	3.64	27.27	NDS355ANTR-ND	472.68/3,000
		60	0.073	10	1.7	0.5	Single	FDN5630CT-ND◊ ***NEW!***	.60	4.76	35.70	FDN5630TR-ND◊ ***NEW!***	481.95/3,000
		12	0.03	4.5	2.6	0.5	Single	FDN306PCT-ND◊ ***NEW!***	.56	4.17	31.28	FDN306PTR-ND◊ ***NEW!***	540.10/3,000
		20	0.036	4.5	2.4	0.5	Single	FDN304PCT-ND◊ ***NEW!***	.57	4.56	34.20	FDN304PTR-ND◊ ***NEW!***	461.70/3,000
		20	0.122	4.5	1.3	0.5	Single	FDN338PCT-ND◊ ***NEW!***	.49	3.92	29.40	FDN336PTR-ND◊ ***NEW!***	396.90/3,000
		20	0.115	4.5	1.6	0.5	Single	FDN338PCT-ND	.52	4.18	31.32	FDN338PTR-ND	422.82/3,000
		20	60	4.5	2	0.5	Single	FDN340PCT-ND◊ ***NEW!***	.49	3.92	29.40	FDN340PTR-ND◊ ***NEW!***	396.90/3,000
2	P-Chan.	20	0.3	4.5	1.0	0.5	Single	NDS332PCT-ND	.53	4.27	32.04	NDS332PTR-ND	432.54/3,000
		20	0.22	2.7	1.2	0.5	Single	NDS336PCT-ND◊ ***NEW!***	.49	3.94	27.00	NDS336PTR-ND◊ ***NEW!***	382.50/3,000
		30	0.0105	10	1.5	0.5	Single	FDN358PCT-ND◊ ***NEW!***	.54	4.32	32.40	FDN358PTR-ND◊ ***NEW!***	437.40/3,000
		30	0.063	10	2	0.5	Single	FDN360PCT-ND◊ ***NEW!***	.60	4.76	35.70	FDN360PTR-ND◊ ***NEW!***	481.95/3,000
		30	0.3	10	0.9	0.5	Single	NDS352APCT-ND	.46	3.65	27.36	NDS352APTR-ND	425.25/3,000
		30	0.2	10	1.1	0.5	Single	NDS356APCT-ND	.54	4.07	30.51	NDS356APTR-ND	528.84/3,000
		60	0.148	10	1.25	0.5	Single	FDN5618PCT-ND◊ ***NEW!***	.82	6.12	45.90	FDN5618PTR-ND◊ ***NEW!***	795.60/3,000
								SuperSOT™-6 (SOT-6)					
3D		20	0.02	4.5	7.3	1.8	Dual	FDC6000NZCT-ND	.96	7.17	53.78	FDC6000NZTR-ND	932.10/3,000
3B		20	0.06	4.5	2.7	0.96	Dual	FDC6305NCT-ND◊ ***NEW!***	.49	3.66	27.45	FDC6305NTR-ND◊ ***NEW!***	475.80/3,000
3F	N-Chan.	30	0.033	4.5	5.2	1.6	Single	FDC633NCT-ND◊ ***NEW!***	.50	3.78	28.35	FDC633NTR-ND◊ ***NEW!***	491.40/3,000
3F		30	0.027	10	5	1.6	Single	FDC653NCT-ND◊ ***NEW!***	.55	4.11	30.83	FDC653NTR-ND◊ ***NEW!***	534.30/3,000
3F		30	0.082	10	2.5	0.96	Dual	FDC6561ANCT-ND◊ ***NEW!***	.75	5.64	42.30	FDC6561ANTR-ND◊ ***NEW!***	733.20/3,000
3C		30	0.009	10	12.5	2	Single	FDC796NCT-ND	1.32	11.00	88.00	FDC796NTR-ND	1716.00/3,000
3A		30	0.06	10	3.2	1.6	Single	NDC651NCT-ND	.78	5.87	44.01	NDC651NTR-ND	762.84/3,000
3B	N-Chan.	50	2	10	0.35	0.5	Dual	NDC7002NCT-ND	.57	4.25	31.86	NDC7002NTR-ND	552.24/3,000
3F		60	0.042	10	4.3	1.6	Single	FDC5612CT-ND◊ ***NEW!***	.98	7.32	54.90	FDC5612TR-ND◊ ***NEW!***	951.60/3,000
3C		100	0.07	10	3.7	2	Single	FDC3616NCT-ND	1.08	9.00	72.00	FDC3616NTR-ND	1404.00/3,000
3D		20	0.044	4.5	5	1.8	Dual	FDC6036PCT-ND	1.11	9.25	74.00	FDC6036PTR-ND	1443.00/3,000
3F		20	0.024	4.5	5.5	1.6	Dual	FDC604PCT-ND◊ ***NEW!***	.49	3.89	27.68	FDC604PTR-ND◊ ***NEW!***	479.70/3,000
3B	P-Chan.	20	0.127	4.5	1.9	0.96	Dual	FDC6306PCT-ND◊ ***NEW!***	.48	3.80	28.50	FDC6306PTR-ND◊ ***NEW!***	384.75/3,000
3F		20	0.06	4.5	3.5	1.6	Single	FDC634PCT-ND◊ ***NEW!***	.50	4.00	30.00	FDC634PTR-ND◊ ***NEW!***	405.00/3,000
3F		20	0.039	4.5	4.5	1.6	Single	FDC638PCT-ND◊ ***NEW!***	.60	4.76	35.70	FDC638PTR-ND◊ ***NEW!***	481.95/3,000
3E	P-Chan.	20	0.15	4.5	2.2	.96	Mosfet w/ Diode	FDC6392SCT-ND	.75	6.25	50.00	FDC6392STR-ND	975.00/3,000
3C		20	0.02	4.5	8	2	Single	FDC697PCT-ND	1.33	10.60	79.50	FDC697PTR-ND	2035.20/3,000
3C		20	0.022	4.5	7	2	Single	FDC699PCT-ND	1.14	9.50	76.00	FDC699PTR-ND	1482.00/3,000
3B	P-Chan.	30	0.14	10	1.8	0.96	Dual	FDC6506PCT-ND◊ ***NEW!***	.58	4.35	32.63	FDC6506PTR-ND◊ ***NEW!***	565.50/3,000
3A		30	0.11	10	2.4	1.6	Single	NDC652PCT-ND	.81	6.05	45.36	NDC652PTR-ND	786.24/3,000
3B		50	5	10	0.22	0.5	Dual	NDC7003PCT-ND	.59	4.43	33.21	NDC7003PTR-ND	575.64/3,000
3F		60	0.082	10	3	1.6	Single	FDC5614PCT-ND◊ ***NEW!***	.98	7.35	55.13	FDC5614PTR-ND◊ ***NEW!***	955.50/3,000
3D	N-Chan.	20	0.027	4.5	5.9	1.8	Dual	FDC6020CCT-ND	.96	8.00	64.00	FDC6020CTR-ND	1248.00/3,000
	P-Chan.	20	0.055	4.5	4.2	1.8							
3F	N-Chan.	30	0.073	10	2.5	0.9	Single	FDC6333CCT-ND◊ ***NEW!***	.54	4.02	30.15	FDC6333CTR-ND◊ ***NEW!***	522.603,000
	P-Chan.	30	0.095	10	2.0								
3B	N-Chan.	50	2	10	0.35	0.5	Compl.	NDC7001CCT-ND	.67	5.00	37.53	NDC7001CTR-ND	650.52/3,000
	P-Chan.	50	5	10	0.22	0.5							
								Power MOSFET (SO-8)					
4D		20	0.0035	4.5	23	3.0	Single	FDS6064N7CT-ND	1.53	12.20	91.50	FDS6064N7TR-ND	1952.00/2,500
4D		20	0.0035	4.5	23	3.0	Single	FDS6162N7CT-ND	1.74	13.92	104.40	FDS6162N7TR-ND	2227.20/2,500
4E	N-Chan.	20	0.004	4.5	23	3.0	Single	FDS6064N3CT-ND	1.53	12.20	91.50	FDS6064N3TR-ND	1952.00/2,500
4E		20	0.0045	4.5	21	3.0	Single	FDS6162N3CT-ND	1.53	12.20	91.50	FDS6162N3TR-ND	1952.00/2,500
4B		30	0.015	10	10.0	2.5	Single	NDS8410CT-ND	1.35	11.25	90.00	—	—
4C		30	0.037	10	5.3	2.0	Dual	NDS8936CT-ND	1.27	10.59	84.72	NDS8936TR-ND	1376.70/2,500
4A	N-Chan.	30	0.028	10	7.3	2.5	Single	NDS9410ACT-ND	.85	6.37	47.79	NDS9410ATR-ND	690.30/2,500
4C		30	0.05	10	5.0	2.0	Dual	NDS9936CT-ND	1.01	8.40	67.20	NDS9936TR-ND	1092.00/2,500
4C		30	0.075	10	3.7	2.0	Dual	NDS9955ACT-ND	.90	7.47	59.76	NDS9956ATR-ND	971.10/2,500
4B		30	0.008	10	13.0	2.5	Single	FDS6670ACT-ND	1.52	12.19	91.44	FDS6670ATR-ND	1950.72/2,500
4B		30	0.0095	10	12.5	2.5	Single	FDS6680ACT-ND	1.24	10.35	82.80	FDS6680ATR-ND	1345.50/2,500
4D	N-Chan.	30	0.005	10	19	3.0	Single	FDS7060N7CT-ND	1.39	11.12	83.40	FDS7060N7TR-ND	1779.20/2,500
4D		30	0.007	4.5	16.5	3.0	Single	FDS7064N7CT-ND	1.33	11.10	88.80	FDS7064N7TR-ND	1443.00/2,500
4D		30	0.0045	10	23	3.0	Single	FDS7060N7CT-ND	1.75	14.00	105.00	FDS7066N7TR-ND	2240.00/2,500
4D		30	0.003	10	23	3.0	Single	FDS7088N7CT-ND	1.75	14.00	105.00	FDS7088N7TR-ND	2240.00/2,500
4D		30	0.0075	4.5	16	3.0	Single	FDS7064NCT-ND	1.33	11.10	88.80	FDS7064NTR-ND	1443.00/2,500
4E	N-Chan.	30	0.008	10	16	3.13	Single	FDS7064SN3CT-ND	1.20	10.00	80.00	FDS7064SN3TR-ND	1300.00/2,500
4E		30	0.0048	10	19	3.0	Single	FDS7066ASN3CT-ND	1.34	11.15	89.20	FDS7066ASN3TR-ND	1449.50/2,500
4E		30	0.006	10	17.5	3.0	Single	FDS7082N3CT-ND	1.20	10.00	80.00	FDS7082N3TR-ND	1300.00/2,500
		30	0.004	4.5	21	3.0	Single	FDS7088N3CT-ND	2.25	18.00	135.00	FDS7088N3TR-ND	2880.00/2,500
4E	N-Chan.	30	0.009	10	14	3.0	Single	FDS7096N3CT-ND	1.11	9.25	74.00	FDS7096N3TR-ND	1202.50/2,500
		30	0.0045	10	20	3.0	Single	FDS7288N3CT-ND	1.49	11.92	89.40	FDS7288N3TR-ND	1907.20/2,500
4F	N-Chan.	30	0.035	10	6	2	Mosfet w/ Diode	FDFS6N303CT-ND	.88	6.60	49.50	FDFS6N303TR-ND	715.00/2,500
4D		40	0.007	10	15.3	3.0	Single	FDS4070N7CT-ND	1.53	12.20	91.50	FDS4070N7TR-ND	1952.00/2,500
4D		40	0.009	10	12.4	3.0	Single	FDS4072N7CT-ND	1.45	11.58	86.85	FDS4072N7TR-ND	1852.80/2,500
4D	N-Chan.	40	0.01	10	13	3.9	Single	FDS4080N7CT-ND	1.45	11.58	86.85	FDS4080N7TR-ND	1852.80/2,500
4E		40	0.0075	10	15.3	3.0	Single	FDS4070N3CT-ND	1.53	12.20	91.50	FDS4070N3TR-ND	1952.00/2,500
4E		40	0.01	10	12.4	3.0	Single	FDS4072N3CT-ND	1.44	11.50	86.25	FDS4072N3TR-ND	1840.00/2,500

◊ *RoHS Compliant*

Fig. 1 — SOT-23

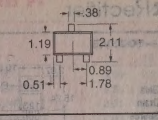


Fig. 2 — SuperSOT™-3

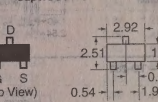
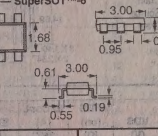


Fig. 3 — SuperSOT™-6



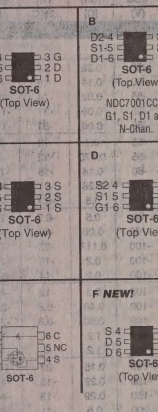
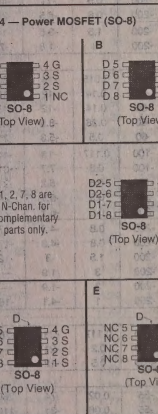


Fig. 4 — Power MOSFET (SO-8)



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C

Fig. 1 — TO-220AB

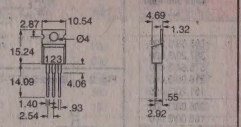

Fig. 2 — TO-220 Fullpak

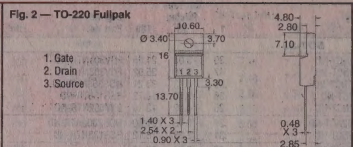

Fig. 3 — TO-247AC

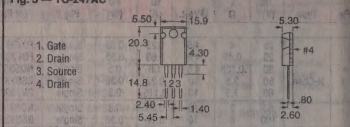

Fig. 4 — TO-262

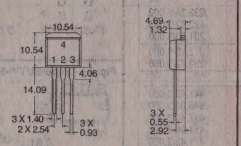

Fig. 5 — I-Pak

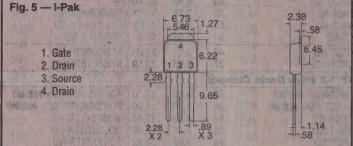

Fig. 6 — 4-Pin Dip (HEXDIP®)

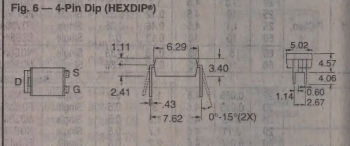

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
				P-CHANNEL TYPES					
				TO-220AB					
	-50	0.28	-9.7	—	—	IRF9Z20PBF-ND†	1.65	1.07	.83
	-50	0.14	-18	—	—	IRF9Z30PBF-ND†	1.80	1.16	.90
	-55	0.02	-74	-260	150	IRF4905PBF-ND†	3.30	2.20	1.76
	-55	0.06	-31	-110	110	IRF5305-ND	1.84	1.21	.94
	-55	0.06	-31	-110	110	IRF5305PBF-ND†	1.96	1.26	.98
	-55	0.1	-19	-68	56	IRF9Z34NPBF-ND†	1.89	1.22	.95
	-55	0.175	-12	-48	45	IRF9Z24NPBF-ND†	1.36	.88	.68
	-60	0.14	-18	-72	88	IRF9Z34PBF-ND†	1.80	1.16	.90
	-60	0.28	-11	-44	60	IRF9Z24PBF-ND†	2.20	1.42	1.11
	-60	0.5	-6.7	-27	43	IRF9Z14PBF-ND†	1.52	.95	.71
	-60	0.5	-6.7	-27	43	IRF9Z10PBF-ND†	1.72	1.08	.80
	-100	0.06	-40	-140	150	IRF5210PBF-ND†	2.04	1.36	1.09
	-100	0.117	-23	-76	94	IRF9540NPBF-ND†	2.39	1.54	1.20
1	-100	0.2	-19	-72	150	IRF9540PBF-ND†	1.44	.93	.72
	-100	0.2	-14	-56	75	IRF9530NPBF-ND†	1.74	1.12	.87
	-100	0.3	-12	-48	88	IRF9530PBF-ND†	1.73	1.12	.87
	-100	0.48	-6.8	-27	48	IRF9520NPBF-ND†	1.88	1.18	.87
	-100	0.60	-6.8	-27	60	IRF9520PBF-ND†	2.17	1.40	1.09
	-100	1.2	-4	-12	20	IRF9510-ND	.85	.68	.49
	-100	1.2	-4	-12	20	IRF9510PBF-ND†	1.96	1.26	.98
	-150	0.15	-27	-110	250	IRF6218PBF-ND†	3.07	1.98	1.54
	-150	0.29	-13	-44	83	IRF6215-ND	2.21	1.42	1.11
	-150	0.29	-13	-44	83	IRF6215PBF-ND†	2.21	1.42	1.11
	-200	0.5	-11	-44	125	IRF9640PBF-ND†	2.28	1.47	1.14
	-200	0.8	-6.5	-26	75	IRF9630PBF-ND†	1.75	1.13	.88
	-200	1.5	-3.5	-14	40	IRF9620PBF-ND†	2.66	1.71	1.33
	-200	3	-1.8	-7	20	IRF9610PBF-ND†	1.89	1.22	.95
				TO-220 Fullpak					
	-55	0.015	-14	-60	33	IRLIB9343PBF-ND†	2.56	1.65	1.28
	-60	0.14	-12	-48	42	IRFI9Z34G-ND	2.03	1.63	1.17
	-60	0.14	-12	-48	42	IRFI9Z34GPBF-ND†	2.84	1.83	1.42
	-60	0.28	-8.5	-34	37	IRFI9Z24GPBF-ND†	2.28	1.47	1.14
	-60	0.5	-5.3	-21	27	IRFI9Z14GPBF-ND†	1.61	1.04	.81
	-100	0.117	-13	-44	48	IRFI9540GPBF-ND†	3.90	2.60	2.08
	-100	0.3	-7.7	-31	42	IRFI9530GPBF-ND†	2.49	1.60	1.25
2	-100	0.6	-5.2	-21	37	IRFI9520GPBF-ND†	2.80	1.80	1.40
	-200	0.5	-6.1	-24	40	IRFI9640G-ND	2.66	2.13	1.60
	-200	0.5	-6.1	-24	40	IRFI9640GPBF-ND†	3.19	2.13	1.70
	-200	0.8	-4.3	-17	35	IRFI9630G-ND	2.78	2.23	1.60
	-200	0.8	-4.3	-17	35	IRFI9630GPBF-ND†	3.11	2.00	1.56
	-200	1.5	-3	-12	30	IRFI9620GPBF-ND†	2.80	1.80	1.40
	-200	3	-1.9	—	—	IRFI9610G-ND	1.45	1.16	.87
	-200	3	-1.9	—	—	IRFI9610GPBF-ND†	2.03	1.31	1.02
	-250	1	-4.1	-16	35	IRFI9634GPBF-ND†	2.84	1.83	1.42
				TO-247AC					
	-100	0.117	-23	-76	140	IRFP9140NPBF-ND†	2.99	2.21	1.80
3	-100	0.2	-21	—	160	IRFP9140PBF-ND†	3.34	2.23	1.78
	-200	0.5	-12	—	150	IRFP9240PBF-ND†	4.76	3.18	2.54
				TO-262					
	-55	0.02	-74	-260	200	IRF4905L-ND	2.45	1.96	1.40
	-55	0.06	-31	-110	3.8	IRF5305L-ND	2.50	2.00	1.56
	-55	0.1	-19	-68	3.8	IRF9Z34NL-ND	2.69	2.15	1.62
	-55	0.1	-19	-68	3.8	IRF9Z34NLPBF-ND†	3.01	1.94	1.51
	-55	0.28	-12	-48	3.8	IRF9Z24NL-ND	1.90	1.53	1.15
4	-55	0.28	-12	-48	3.8	IRF9Z24NLPBF-ND†	2.13	1.37	1.07
	-60	0.5	-6.7	-27	3.7	IRF9Z14LPBF-ND†	1.99	1.28	1.00
	-100	0.06	-40	-140	3.8	IRF5210L-ND	4.62	3.70	2.78
	-100	0.11	-23	-76	3.8	IRF9540NL-ND	3.66	2.93	2.20
	-100	0.2	-14	-56	3.8	IRF9530NL-ND	2.53	2.03	1.52
	-100	1.2	-4.0	-16	43	IRF9510L-ND	1.46	1.17	.88

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
	-150	0.29	-13	-44	3.8	IRF6215L-ND	2.19	1.75	1.32
4	-200	0.5	-11	-44	125	IRF9640L-ND	3.88	3.10	2.34
	-200	3	-1.8	-7	20	IRF9610L-ND	1.42	1.14	.85
				I-Pak					
	-50	0.28	-9.9	—	—	IRFU9020-ND	1.91	1.53	1.09
	-50	0.28	-9.9	—	—	IRFU9020PBF-ND†	2.14	1.38	1.07
	-50	0.5	-5.3	-21	25	IRFU9010-ND	1.38	1.10	.83
	-50	0.5	-5.3	-21	25	IRFU9010PBF-ND†	1.76	1.10	.82
	-55	0.015	-20	-60	79	IRLU9343-ND	1.75	1.13	.88
	-55	0.015	-20	-60	79	IRLU9343PBF-ND†	1.60	1.00	.74
	-55	0.065	-28	-110	110	IRFU5305PBF-ND†	2.52	1.62	1.26
	-55	0.11	-18	-64	57	IRFU5505PBF-ND†	1.86	1.20	.93
	-55	0.175	-11	-44	38	IRFU9024NPBF-ND†	1.96	1.23	.91
	-60	0.28	-8.8	-35	42	IRFU9024PBF-ND†	1.66	1.07	.83
	-60	0.5	-5.1	-20	25	IRFU9014PBF-ND†	1.43	.90	.67
5	-100	0.205	-13	-52	66	IRFU5410-ND	1.23	.66	.59
	-100	0.205	-13	-52	66	IRFU5410PBF-ND†	1.12	.72	.56
	-100	0.48	-6.6	-26	40	IRFU9120NPBF-ND†	1.36	1.23	.91
	-100	0.6	-5.6	-22	42	IRFU9120PBF-ND†	1.28	.83	.65
	-100	1.2	-3.1	-12	25	IRFU9110-ND	.74	.60	.43
	-100	1.2	-3.1	-12	25	IRFU9110PBF-ND†	1.18	.74	.55
	-150	0.295	-13	-44	110	IRFU6215PBF-ND†	2.02	1.30	1.01
	-200	1.5	-3.6	-14	42	IRFU9220PBF-ND†	1.70	1.10	.85
	-200	3	-1.9	-7.6	25	IRFU9210-ND	1.69	1.35	.97
	-200	3	-1.9	-7.6	25	IRFU9210PBF-ND†	1.89	1.22	.95
	-250	3	-2.7	-11	50	IRFU9214PBF-ND†	1.75	1.13	.88
	-400	7	-1.8	-7.2	50	IRFU9310-ND	1.60	1.28	.96
	-400	7	-1.8	-7.2	50	IRFU9310PBF-ND†	1.79	1.15	.90
				4-Pin Dip					
	-50	0.28	-1.6	—	—	IRFD9020-ND	1.31	.85	.65
	-50	0.28	-1.6	—	—	IRFD9020PBF-ND†	1.34	.87	.68
	-50	0.5	-1.1	—	—	IRFD9010PBF-ND†	1.12	.70	.52
	-60	0.28	-1.6	-13	1.3	IRFD9024PBF-ND†	1.24	.80	.62
6	-60	0.5	-1.1	-8.8	1.3	IRFD9014PBF-ND†	1.28	.80	.60
	-100	0.6	-1.0	-8	1.0	IRFD9120PBF-ND†	1.40	.90	.70
	-100	1.2	-0.7	-3	1.0	IRFD9110PBF-ND†	1.31	.82	.61
	-200	1.5	-0.6	-4.8	1.0	IRFD9220-ND	2.67	1.90	1.56
	-200	1.5	-0.6	-4.8	1.0	IRFD9220PBF-ND†	3.12	2.01	1.56
	-200	3	-0.4	-1.6	1.0	IRFD9210PBF-ND†	1.07	.70	.54
				N-CHANNEL TYPES					
				TO-220AB					
	20	0.004	180	700	230	IRF1302PBF-ND†	3.19	2.05	1.60
	20	0.006	92	380	79	IRF3711Z-ND	3.32	2.13	1.60
	20	0.006	92	380	79	IRF3711ZPBF-ND†	2.88	1.77	1.31
	20	0.006	110	440	120	IRF3711-ND	3.60	2.05	1.67
	20	0.006	110	440	120	IRF3711PBF-ND†	3.01	1.94	1.51
	20	0.0079	67	260	57	IRF3704ZPBF-ND†	2.44	1.53	1.13
	20	0.0085	77	280	88	IRF3706-ND	1.94	1.55	1.17
	20	0.0085	77	280	88	IRF3706PBF-ND†	2.17	1.40	1.09
	20	0.011	50	200	45	IRL3715ZPBF-ND†	2.14	1.34	.99
1	20	0.014	54	210	71	IRL3715PBF-ND†	2.34	1.46	1.09
	20	0.016	36	140	35	IRL3714ZPBF-ND†	2.04	1.28	.95
	20	0.02	36	140	47	IRL3714PBF-ND†	.96	.60	.45
	20	0.09	77	308	87	IRF3704PBF-ND†	1.95	1.26	.98
	30	0.0028	210	1000	230	IRF3703PBF-ND†	5.31	3.54	2.84
	30	0.0033	75	960	330	IRF1503PBF-ND†	2.13	1.42	1.14
	30	0.006	105	420	110	IRL8113-ND	3.48	2.25	1.80
	30	0.006	105	420	110	IRL8113PBF-ND†	3.00	1.93	1.50
	30	0.006	140	470	2000	IRL3803-ND	3.12	2.21	1.82
	30	0.006	140	470	2000	IRL3803PBF-ND†	3.90	2.60	2.08
	30	0.0063	87	350	79	IRF3709ZPBF-ND†	2.91	1.82	1.35

† RoHS Compliant

(Continued)

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N and P Channel HEXFETs *(Cont.)*

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
	30	0.009	90	360	120	IRF3709-ND	1.78	1.01	.82
	30	0.009	90	360	120	IRF3709PBF-ND†	1.86	1.20	.93
	30	0.0095	59	230	57	IRF3707Z-ND	2.52	1.61	1.30
	30	0.0095	59	230	57	IRF3707ZPBF-ND†	2.44	1.53	1.13
	40	0.0023	75	1080	330	IRF2804PBF-ND†	3.33	2.22	1.78
	40	0.004	202	808	333	IRF1404PBF-ND†	2.61	1.74	1.40
	40	0.0036	210	850	330	IRF2204PBF-ND†	3.22	2.15	1.72
	40	0.0037	75	750	220	IRF1404ZPBF-ND†	2.47	1.65	1.32
	40	0.0031	75	790	230	IRL1404ZPBF-ND†	3.67	2.45	1.96
	40	0.0055	75	470	140	IRF1404PBF-ND†	3.36	2.16	1.68
	40	0.009	100	400	170	IRF1104PBF-ND†	3.40	2.19	1.70
	50	0.2	10	29	20	IRFZ10PBF-ND†	1.80	1.13	.84
	50	0.1	15	60	40	IRFZ20PBF-ND†	1.31	.85	.66
	50	0.028	35	—	—	IRFZ40PBF-ND†	2.11	1.36	1.06
	50	0.05	30	—	—	IRFZ30PBF-ND†	1.74	1.13	.88
	55	0.0033	75	890	130	IRF3805-ND	6.48	4.63	3.71
	55	0.0047	75	700	330	IRF2805PBF-ND†	4.80	3.20	2.56
	55	0.005	75	600	230	IRF1405ZPBF-ND†	4.82	3.21	2.57
	55	0.0053	169	680	330	IRF1405-ND	5.16	4.13	3.11
	55	0.0053	169	680	330	IRF1405PBF-ND†	4.95	3.30	2.64
	55	0.0075	75	360	140	IRF1010Z-ND	3.67	2.38	1.93
	55	0.0075	75	360	140	IRF1010ZPBF-ND†	3.16	2.04	1.59
	55	0.007	75	440	170	IRF3205ZPBF-ND†	2.18	1.41	1.10
	55	0.008	75	340	130	IRL3705ZPBF-ND†	2.81	1.81	1.41
	55	0.008	75	560	330	IRF3305-ND	3.98	2.45	2.09
	55	0.008	75	560	330	IRF3305PBF-ND†	3.43	2.21	1.72
	55	0.008	110	390	150	IRF3205PBF-ND†	4.01	2.59	2.01
	55	0.011	61	240	91	IRFZ48ZPBF-ND†	2.19	1.41	1.10
	55	0.012	85	290	130	IRF1010N-ND	2.15	1.72	1.21
	55	0.012	85	290	130	IRF1010NPBF-ND†	3.01	1.94	1.51
	55	0.0135	51	204	80	IRLZ44Z-ND	2.52	1.66	1.25
	55	0.0135	51	204	80	IRLZ44ZPBF-ND†	2.02	1.30	1.01
	55	0.0136	51	200	82	IRFZ46Z-ND	1.76	1.12	.91
	55	0.0136	51	200	82	IRFZ46ZPBF-ND†	1.87	1.20	.94
	55	0.0139	51	200	80	IRFZ44Z-ND	1.83	1.21	.92
	55	0.0139	51	200	80	IRFZ44ZPBF-ND†	1.83	1.18	.92
	55	0.016	64	210	94	IRFZ48NPBF-ND†	2.10	1.35	1.05
	55	0.0165	53	180	107	IRFZ46NPBF-ND†	1.78	1.15	.89
	55	0.022	47	160	83	IRLZ44NPBF-ND†	1.89	1.22	.95
	55	0.024	49	160	83	IRFZ44NPBF-ND†	1.75	1.13	.88
	55	0.035	30	110	68	IRLZ34NPBF-ND†	1.66	1.04	.77
	55	0.04	29	100	56	IRFZ34N-ND	1.24	.81	.62
1	55	0.04	29	100	56	IRFZ34NPBF-ND†	1.44	.90	.67
	55	0.07	17	68	45	IRFZ24NPBF-ND†	1.06	.69	.54
	55	0.074	18	72	45	IRLZ24N-ND	1.26	.82	.63
	55	0.074	18	72	45	IRLZ24NPBF-ND†	1.29	.83	.65
	60	0.0085	75	340	140	IRF1010EZPBF-ND†	2.02	1.30	1.01
	60	0.009	115	360	270	IRFB4215PBF-ND†	3.00	2.00	1.60
	60	0.012	57	230	92	IRFZ44VZPBF-ND†	2.17	1.40	1.09
	60	0.012	72	290	150	IRFZ48VPBF-ND†	1.47	.95	.74
	60	0.012	84	330	200	IRF1010EPBF-ND†	4.01	2.59	2.01
	60	0.0165	55	220	115	IRFZ44VPBF-ND†	1.37	.88	.69
	60	0.018	50	290	190	IRFZ48R-ND	2.21	1.43	1.21
	60	0.018	50	290	190	IRFZ48RPBF-ND†	2.28	1.47	1.14
	60	0.018	50	290	190	IRFZ48PBF-ND†	3.50	2.25	1.75
	60	0.023	48	192	110	IRFZ44E-ND	2.65	1.74	1.34
	60	0.023	48	192	110	IRFZ44EPBF-ND†	2.24	1.44	1.12
	60	0.028	50	200	150	IRFZ44RPBF-ND†	1.93	1.24	.97
	60	0.028	50	200	150	IRFZ44PBF-ND†	1.47	.95	.74
	60	0.042	28	112	68	IRFZ34EPBF-ND†	1.82	1.17	.91
	60	0.05	30	120	88	IRFZ34PBF-ND†	1.74	1.13	.88
	60	0.06	17	68	44	IRFZ24VPBF-ND†	1.87	1.17	.87
	60	0.1	17	68	60	IRFZ24PBF-ND†	1.31	.85	.66
	60	0.2	10	40	36	IRFZ14PBF-ND†	1.16	.73	.54
	75	0.0028	210	850	370	IRFB3077PBF-ND†	6.13	4.29	3.68
	75	0.0045	75	680	300	IRF2907ZPBF-ND†	5.75	3.84	3.07
	75	0.0045	180	720	330	IRFB3207PBF-ND†	5.79	3.86	3.09
	75	0.0063	130	510	250	IRFB3307-ND	5.98	4.34	3.35
	75	0.0063	130	510	250	IRFB3307PBF-ND†	4.95	3.30	2.64
	75	0.007	140	550	330	IRFB3808PBF-ND†	3.09	2.06	1.65
	75	0.0075	142	570	380	IRF1607PBF-ND†	4.62	3.08	2.47
	75	0.0078	130	520	330	IRF1407-ND	2.60	1.81	1.40
	75	0.0078	130	520	330	IRF1407PBF-ND†	2.55	1.70	1.36
	75	0.0088	97	390	190	IRFB3507PBF-ND†	3.21	2.14	1.72
	75	0.009	75	350	170	IRF2807ZPBF-ND†	3.40	2.19	1.70
	75	0.0126	75	320	200	IRF3007PBF-ND†	2.60	1.68	1.31
	75	0.013	82	280	150	IRF2807PBF-ND†	4.06	2.61	2.03
	80	0.01	95	380	210	IRF1312PBF-ND†	4.44	2.96	2.37
	100	0.0037	180	670	370	IRFB4110PBF-ND†	6.13	4.29	3.68
	100	0.007	140	550	330	IRFB4310PBF-ND†	5.58	3.72	2.98
	100	0.01	96	380	250	IRFB4410PBF-ND†	4.35	2.90	2.32
	100	0.014	73	290	190	IRFB4610-ND	4.13	3.04	2.28
	100	0.014	73	290	190	IRFB4610PBF-ND†	3.31	2.43	1.82
	100	0.018	59	240	160	IRF3710ZPBF-ND†	2.16	1.39	1.08
	100	0.025	59	236	200	IRFB59N10DPBF-ND†	2.92	1.95	1.56
	100	0.0265	36	140	92	IRF540ZPBF-ND†	1.63	1.06	.82
	100	0.028	57	180	150	IRF3710-ND	3.09	2.23	1.82
	100	0.028	57	180	150	IRF3710PBF-ND†	4.23	2.72	2.12
	100	0.036	42	140	120	IRF1310N-ND	2.01	1.43	1.18
	100	0.036	42	140	120	IRF1310NPBF-ND†	2.93	1.89	1.47
	100	0.052	27	110	94	IRF540NIR-ND	1.74	1.16	.91
	100	0.052	27	110	94	IRF540NPBF-ND†	1.94	1.25	.97
	100	0.0725	18	57	60	IRFB4212PBF-ND†	2.08	1.48	1.12
	100	0.077	28	110	150	IRF540PBF-ND†	1.54	.99	.77
	100	0.014	75	300	200	IRFB4710PBF-ND†	2.94	1.96	1.57
	100	0.015	80	320	260	IRF8010PBF-ND†	2.28	1.52	1.22
	100	0.16	14	56	88	IRF530PBF-ND†	1.42	.92	.71
	100	0.11	17	60	63	IRF530NPBF-ND†	.88	.57	.44
	100	0.165	9.6	37	44	IRF520VPBF-ND†	1.86	1.20	.93
	100	0.2	9.7	38	48	IRF520NPBF-ND†	1.24	.80	.62
	100	0.27	9.2	37	60	IRF520IR-ND	1.33	1.06	.93
	100	0.27	9.2	37	60	IRF520PBF-ND†	1.86	1.20	.93
	100	0.6	5.6	16	20	IRF510-ND	1.08	.68	.50
	100	0.6	5.6	16	20	IRF510PBF-ND†	1.12	.70	.52
	150	0.032	60	250	2.4	IRFB61N15DPBF-ND†	3.63	2.42	1.94
	150	0.032	51	240	230	IRFB52N15DPBF-ND†	2.52	1.68	1.35
	150	0.042	43	150	150	IRF3415PBF-ND†	3.99	2.66	2.13
	150	0.045	41	164	200	IRFB41N15D-ND	2.45	1.97	1.48
	150	0.045	41	164	200	IRFB41N15DPBF-ND†	2.94	1.97	1.57
	150	0.056	33	130	170	IRFB33N15D-ND	1.80	1.44	1.08
	150	0.056	33	130	170	IRFB33N15DPBF-ND†	2.16	1.44	1.16
	150	0.082	27	84	94	IRF3315-ND	1.42	1.01	.83
	150	0.082	27	84	94	IRF3315PBF-ND†	2.07	1.33	1.04
	150	0.09	23	92	136	IRFB23N15D-ND	1.60	1.28	.96
	150	0.09	23	92	136	IRFB23N15DPBF-ND†	2.24	1.44	1.12
	200	0.04	56	220	380	IRFB260NPBF-ND†	3.90	2.60	2.08
	200	0.054	38	180	230	IRFB38N20DPBF-ND†	2.52	1.68	1.35
	200	0.055	44	180	330	IRFB42N20DPBF-ND†	4.85	3.24	2.59
	200	0.082	31	124	200	IRFB31N20DPBF-ND	2.89	1.93	1.55
	200	0.1	24	96	170	IRFB23N20D-ND	2.68	1.53	1.23
	200	0.1	24	96	170	IRFB23N20DPBF-ND†	2.30	1.53	1.23
	200	0.15	18	72	150	IRF640N-ND	1.99	1.30	1.00
	200	0.15	18	72	150	IRF640NPBF-ND†	2.08	1.34	1.04
	200	0.165	17	68	140	IRFB4103PBF-ND†	2.72	1.91	1.50
	200	0.17	16	64	140	IRFB17N20D-ND	1.46	1.17	.88
	200	0.17	16	64	140	IRFB17N20DPBF-ND†	2.05	1.32	1.03
	200	0.18	18	72	125	IRF640PBF-ND†	1.31	.85	.66
	200	0.3	9.3	37	82	IRF630NPBF-ND†	1.47	.95	.74
1	200	0.4	9.0	36	74	IRF630PBF-ND†	1.75	1.13	.88
	200	0.8	5.2	20	40	IRF620IR-ND	1.14	.74	.57
	200	0.8	5.2	20	40	IRF620PBF-ND†	1.33	.84	.62
	200	1.5	3.3	10	20	IRF610PBF-ND†	1.08	.68	.50
	250	0.24	14	56	150	IRF644NPBF-ND†	1.47	.95	.74
	250	0.28	14	56	125	IRF644-ND	1.72	1.19	.95
	250	0.28	14	56	125	IRF644PBF-ND†	2.10	1.35	1.05
	250	0.435	8.0	32	88	IRF634NPBF-ND†	2.00	1.29	1.01
	250	0.45	8.1	32	74	IRF634PBF-ND†	1.51	.97	.76
	250	1.1	4.4	14	50	IRF624-ND	1.06	.69	.53
	250	1.1	4.4	14	50	IRF624PBF-ND†	1.10	.71	.55
	250	2	2.7	8	36	IRF614-ND	1.44	1.15	.83
	250	2	2.7	8	36	IRF614PBF-ND†	1.84	1.15	.85
	300	0.45	9.3	37	96	IRFB9N30APBF-ND†	1.86	1.20	.93
	300	0.75	6.1	24	74	IRF737LC-ND	1.28	1.03	.77
	300	0.75	6.1	24	74	IRF737LCPBF-ND†	1.80	1.16	.90
	400	0.55	10	40	125	IRF740IR-ND	2.03	1.37	1.07
	400	0.55	10	40	125	IRF740PBF-ND†	2.30	1.49	1.16
	400	0.55	10	40	125	IRF740A-ND	1.86	1.26	.98
	400	0.55	10	40	125	IRF740APBF-ND†	2.12	1.37	1.06
	400	0.55	10	40	125	IRF740LC-ND	2.43	1.95	1.46
	400	0.55	10	40	125	IRF740LCPBF-ND†	3.40	2.19	1.71
	400	1	5.5	22	74	IRF730IR-ND	1.59	1.04	.80
	400	1	5.5	22	74	IRF730PBF-ND†	1.85	1.06	.83
	400	1	5.5	22	74	IRF730A-ND	1.15	.92	.66
	400	1	5.5	22	74	IRF730APBF-ND†	1.61	1.04	.81
	400	1.8	3.3	12	40	IRF720PBF-ND†	1.29	.83	.65
	400	3.6	2	6	20	IRF710PBF-ND†	1.20	.75	.56
	450	0.63	8.8	35	125	IRF744-ND	1.83	1.47	1.05
	450	0.63	8.8	35	125	IRF744PBF-ND†	2.57	1.65	1.29
	450	1.2	4.9	20	74	IRF734-ND	2.38	1.90	1.36
	450	1.2	4.9	20	74	IRF734PBF-ND†	2.66	1.71	1.33
	500	0.21	20	80	280	IRFB20N50KPBF-ND†	5.64	3.76	3.01
	500	0.26	17	68	220	IRFB18N50KPBF-ND†	4.77	3.18	2.55
	500	0.28	16	64	220	IRFB17N50LPBF-ND†	6.48	4.32	3.46
	500	0.285	17	68	280	IRFB16N50K-ND	6.52	4.66	3.73
	500	0.285	17	68	280	IRFB16N50KPBF-ND†	5.59	3.73	2.99
	500	0.45	14	56	250	IRFB13N50A-ND	3.69	2.59	2.02
	500	0.45	14	56	250	IRFB13N50APBF-ND†	3.69	2.46	1.97
	500	0.52	11	44	170	IRFB11N50A-ND	1.73	1.38	.97
	500	0.52	11	44	170	IRFB11N50APBF-ND†	2.42	1.56	1.21
	500	0.85	8	28	125	IRF840LC-ND	3.50	2.80	2.00
	500	0.85	8	28	125	IRF840LCPBF-ND†	3.36	2.24	1.80

† *RoHS Compliant*

N and P Channel Surface Mount HEXFETs

Electrical characteristics at 25°C unless otherwise noted
Dimensions shown in mm

C

Fig. 1 — D²Pak

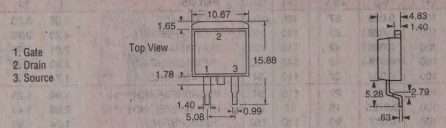


Fig. 2 — DPak

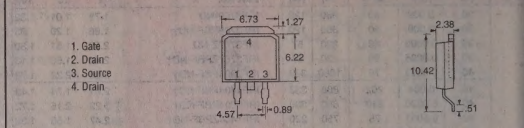


Fig. 3 — Micro-3™ (SOT-23)

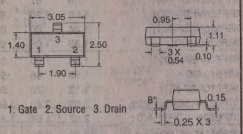


Fig. 4 — Micro-6™/TSOP-6 Surface Mount

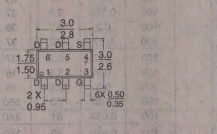
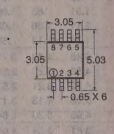


Fig. 5 — Micro-8™ Outline



A	B	C
1. Source	1. Anode	1. Source 1
2. Source	2. Anode	2. Gate 1
3. Source	3. Source	3. Source 2
4. Gate	4. Gate	4. Gate 2
5. Drain	5. Cathode	5. Drain 2
6. Drain	6. Cathode	6. Drain 2
7. Drain	7. Drain	7. Drain 1
8. Drain	8. Drain	8. Drain 1

Fig. 6 — SOT-223

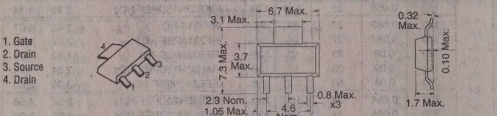
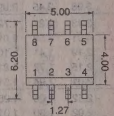


Fig. 7 — SO-8/SOIC-8



A	B	C	D
1. Source 1	1. Anode	1. Source	1. Anode
2. Gate 1	2. Anode	2. Source	2. Anode
3. Source 2	3. Source	3. Source	3. Source
4. Gate 2	4. Gate	4. Gate	4. Gate
5. Drain 2	5. Drain	5. Drain	5. Drain
6. Drain 2	6. Drain	6. Drain	6. Drain
7. Drain 1	7. Drain	7. Drain	7. Cathode
8. Drain 1	8. Drain	8. Drain	8. Cathode

Fig. 8 — 8-TSSOP

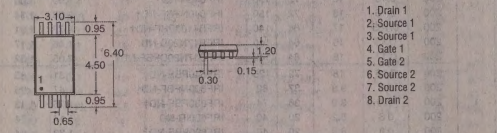


Fig. 9 — FlipFET™

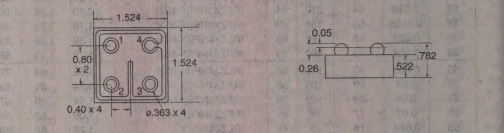


Fig. 10 — FlipFET™

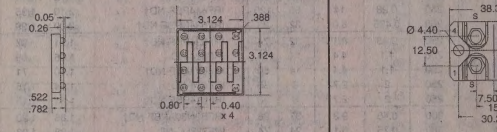


Fig. 11 — SOT-227

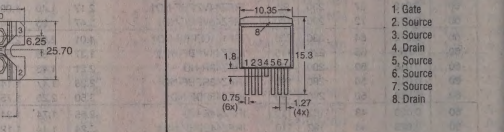


Fig. 12 — D²Pak-7

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
P-CHANNEL TYPES									
D²Pak									
	-55	0.02	-74	-260	200	IRF4905S-ND	2.65	1.96	1.62
	-55	0.1	-19	-68	68	IRF9Z34NSTRL-ND	453.60/800		
	-55	0.175	-12	-48	45	IRF9Z24NS-ND	1.90	1.53	1.10
	-60	0.14	-18	-72	88	IRF9Z34S-ND	1.30	1.04	.75
	-60	0.14	-18	-72	88	IRF9Z34STRL-ND	561.60/800		
	-60	0.28	-11	-44	60	IRF9Z24S-ND	1.00	.80	.58
	-60	0.28	-11	-44	60	IRF9Z24STRR-ND	432.00/800		
	-100	0.06	-40	-140	200	IRF5210S-ND	2.57	1.82	1.50
	-100	0.06	-40	-140	200	IRF5210STRL-ND	1996.80/800		
1	-100	0.06	-40	-140	200	IRF5210STRR-ND	1156.00/800		
	-100	0.117	-23	-76	140	IRF9540NS-ND	1.36	.97	.80
	-100	0.117	-23	-76	140	IRF9540NSTRL-ND	610.40/800		
	-100	0.2	-19	-72	150	IRF9540S-ND	1.70	1.36	.97
	-100	0.2	-19	-72	150	IRF9540STRL-ND	1836.00/800		
	-100	0.3	-12	-48	88	IRF9530S-ND	1.25	1.00	.72
	-100	0.3	-12	-48	88	IRF9530STRL-ND	540.00/800		
	-100	0.48	-6.8	-27	48	IRF9520NS-ND	1.90	1.53	1.09
	-100	0.6	-6.8	-27	60	IRF9520STRL-ND	392.00/800		
	-100	1.2	-4	-16	43	IRF9510S-ND	.92	.74	.53
	-150	0.29	-13	-44	110	IRF6215STRR-ND	518.40/800		
	-200	0.5	-11	-44	125	IRF9640S-ND	1.78	1.42	1.02

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	1
1	-200	0.5	-11	-44	125	IRF9640STRL-ND	767.20/800		
	-200	0.8	-6.5	-26	74	IRF9630S-ND	2.33	1.86	1.
DPak (TO-252AA)									
	-50	0.28	-9.9	—	—	IRFR9020-ND	.94	.75	
	-50	0.28	-9.9	—	—	IRFR9020PBFCT-ND†	1.31	.85	
	-50	0.28	-9.9	—	—	IRFR9020TR-ND	1012.50/2,00		
	-50	0.28	-9.9	—	—	IRFR9020PBFTR-ND†	1050.00/2,00		
	-50	0.5	-5.3	—	—	IRFR9010-ND	.70	.56	
	-50	0.5	-5.3	—	—	IRFR9010PBFCT-ND†	1.12	.70	
	-50	0.5	-5.3	—	—	IRFR9010PBFTR-ND†	812.00/2,000		
	-55	0.065	-31	-110	110	IRFR5305-ND	1.20	.85	
	-55	0.065	-31	-110	110	IRFR5305PBFCT-ND†	1.75	1.13	
2	-55	0.065	-31	-110	110	IRFR5305PBFTR-ND†	1400.00/2,00		
	-55	0.11	-18	-64	57	IRFR5505-ND	1.66	1.33	
	-55	0.11	-18	-64	57	IRFR5505PBFCT-ND†	2.12	1.33	
	-55	0.11	-18	-64	57	IRFR5505PBFTR-ND†	1538.00/2,00		
	-55	0.175	-11	-44	38	IRFR9024N-ND	1.03	.66	
	-55	0.175	-11	-44	38	IRFR9024NPBFCT-ND†	1.17	.74	
	-55	0.175	-11	-44	38	IRFR9024NPBFTR-ND†	850.00/2,000		
	-60	0.28	-8.8	-35	42	IRFR9024-ND	1.25	.82	
	-60	0.28	-8.8	-35	42	IRFR9024PBFCT-ND†	1.31	.85	
	-60	0.28	-8.8	-35	42	IRFR9024TR-ND	1031.24/2,00		

† RoHS Compliant

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N and P Channel Surface Mount HEXFETs (Cont.)

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
	-60	0.28	-8.8	-35	42	IRFR9024PBFTR-ND†	1050.00/2,000		
	-60	0.5	-5.1	-20	25	IRFR9014-ND	.70	.56	.41
	-60	0.5	-5.1	-20	25	IRFR9014PBFCT-ND	1.76	1.10	.82
	-60	0.5	-5.1	-20	25	IRFR9014TR-ND	1595.00/2,000		
	-60	0.5	-5.1	-20	25	IRFR9014PBFTR-ND†	1276.00/2,000		
	-60	0.5	-5.1	-20	25	IRFR9014TRL-ND	2229.00/3,000		
	-100	0.205	-13	-52	66	IRFR5410-ND	.73	.59	.44
	-100	0.205	-13	-52	66	IRFR5410PBFCT-ND†	3.40	2.19	1.70
	-100	0.205	-13	-52	66	IRFR5410PBFTR-ND†	2716.00/2,000		
	-100	0.48	-6.6	-26	40	IRFR9120N-ND	.72	.51	.42
	-100	0.48	-6.6	-26	40	IRFR9120NPBFCT-ND†	1.20	.75	.56
	-100	0.48	-6.6	-26	40	IRFR9120NTR-ND	820.58/2,000		
	-100	0.48	-6.6	-26	40	IRFR9120NPBFTR-ND†	870.00/2,000		
	-100	0.6	-5.6	-22	42	IRFR9120PBFCT-ND†	1.18	.77	.60
	-100	0.6	-5.6	-22	42	IRFR9120PBFTR-ND†	946.00/2,000		
2	-100	0.6	-5.6	-22	42	IRFR9120TRL-ND	1368.00/3,000		
	-100	1.2	-3.1	-12	25	IRFR9110-ND	.69	.55	.40
	-100	1.2	-3.1	-12	25	IRFR9110PBFCT-ND†	1.10	.69	.51
	-100	1.2	-3.1	-12	25	IRFR9110PBFTR-ND†	798.00/2,000		
	-100	1.2	-3.1	-12	25	IRFR9110TRL-ND	2328.00/3,000		
	-200	1.5	-3.6	-14	42	IRFR9220-ND	2.31	1.85	1.33
	-200	1.5	-3.6	-14	42	IRFR9220PBFCT-ND†	2.59	1.67	1.30
	-200	1.5	-3.6	-14	42	IRFR9220TR-ND	1975.05/2,000		
	-200	1.5	-3.6	-14	42	IRFR9220PBFTR-ND†	2072.00/2,000		
	-200	3	-1.9	-7.6	25	IRFR9210-ND	.75	.60	.45
	-200	3	-1.9	-7.6	25	IRFR9210PBFCT-ND†	1.20	.75	.56
	-200	3	-1.9	-7.6	25	IRFR9210TR-ND	810.00/2,000		
	-200	3	-1.9	-7.6	25	IRFR9210PBFTR-ND†	870.00/2,000		
	-250	3	-2.7	-11	50	IRFR9214-ND	.85	.68	.49
	-400	7	-1.8	-7.2	50	IRFR9310-ND	.82	.66	.47
	-400	7	-1.8	-7.2	50	IRFR9310PBFCT-ND†	1.15	.74	.58
	-400	7	-1.8	-7.2	50	IRFR9310PBFTR-ND†	918.00/2,000		
						Micro-3 (SOT-23) Logic Level			
	-12	0.05	-4.3	-34	1.3	IRLML6401PBFCT-ND†	.72	.42	.28
	-12	0.05	-4.3	-34	1.3	IRLML6401PBFTR-ND†	609.00/3,000		
	-20	0.065	-3.7	-22	1.3	IRLML6402PBFCT-ND†	.72	.42	.28
	-20	0.065	-3.7	-22	1.3	IRLML6402PBFTR-ND†	627.00/3,000		
	-20	0.6	-0.62	-4.9	0.54	IRLML6302CT-ND	.32	.24	.19
3	-20	0.6	-0.62	-4.9	0.54	IRLML6302PBFCT-ND†	1.13	.66	.44
	-20	0.6	-0.62	-4.9	0.54	IRLML6302PBFTR-ND†	957.00/3,000		
	-30	0.6	-0.61	-4.8	0.54	IRLML5103CT-ND	.71	.42	.28
	-30	0.6	-0.61	-4.8	0.54	IRLML5103PBFCT-ND†	.57	.33	.22
	-30	0.6	-0.61	-4.8	0.54	IRLML5103TR-ND	576.00/3,000		
	-30	0.6	-0.61	-4.8	0.54	IRLML5103PBFTR-ND†	495.00/3,000		
						Micro-6 (TSOP-6)			
4	-20	0.065	-4.4	-20	2	SI3443DVCT-ND	.68	.54	.48
	-20	0.065	-4.4	-20	2	SI3443DVTR-ND	1122.00/3,000		
						Micro-6 (TSOP-6) Logic Level			
	-20	0.05	-5.6	-45	2	IRLMS6802PBFCT-ND†	1.24	.72	.48
	-20	0.05	-5.6	-45	2	IRLMS6802PBFTR-ND†	1044.00/3,000		
	-20	0.2	-2.3	-13	1.7	IRLMS6702PBFCT-ND†	.96	.60	.45
4	-20	0.2	-2.3	-13	1.7	IRLMS6702PBFTR-ND†	1044.00/3,000		
	-30	0.2	-2.3	-13	1.7	IRLMS5703CT-ND	.70	.42	.33
	-30	0.2	-2.3	-13	1.7	IRLMS5703PBFCT-ND†	.72	.45	.34
	-30	0.2	-2.3	-13	1.7	IRLMS5703PBFTR-ND†	783.00/3,000		
						Micro-8			
5A	-30	0.026	-7.0	-28	1.79	IRF7726CT-ND	1.24	.72	.60
	-30	0.026	-7.0	-28	1.79	IRF7726TR-ND	1996.00/4,000		
						Micro-8 Logic Level			
	-20	0.02	-8.2	-66	1.8	IRF7663CT-ND	1.56	1.17	.91
	-20	0.02	-8.2	-66	1.8	IRF7663TR-ND	2676.00/4,000		
	-20	0.09	-3.6	-19	1.8	IRF7604CT-ND	2.96	2.23	1.73
5A	-20	0.09	-3.6	-19	1.8	IRF7604TR-ND	5336.00/4,000		
	-30	0.09	-3.6	-19	1.8	IRF7606CT-ND	2.10	1.58	1.23
	-30	0.09	-3.6	-19	1.8	IRF7606TR-ND	3780.00/4,000		
	-30	0.2	-2.0	-16	1.25	IRF7526D1TR-ND	2432.00/4,000		
	-20	0.055	-4.3	-34	1.25	IRF7534D1TR-ND	2565.00/4,000		
5B	-20	0.27	-1.7	-14	1.25	IRF7524D1CT-ND	1.50	1.13	.88
	-20	0.27	-1.7	-14	1.25	IRF7524D1TR-ND	2700.00/4,000		
						Micro-8 Dual Logic Level			
	-20	0.055	-4.3	-34	1.25	IRF7555CT-ND	2.10	1.58	1.23
	-20	0.055	-4.3	-34	1.25	IRF7555TR-ND	3780.00/4,000		
	-20	0.27	-1.7	-9.6	1.25	IRF7504CT-ND	.76	.59	.46
5C	-20	0.27	-1.7	-9.6	1.25	IRF7504TR-ND	1404.00/4,000		
	-30	0.27	-1.7	-9.6	1.25	IRF7506CT-ND	2.96	1.78	1.38
	-30	0.27	-1.7	-9.6	1.25	IRF7506TR-ND	4256.00/4,000		

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
						SOT-223			
	-60	0.5	-1.8	-14	3.1	IRFL9014-ND	.91	.60	.47
	-60	0.5	-1.8	-14	3.1	IRFL9014PBFCT-ND†	1.12	.70	.52
6	-60	0.5	-1.8	-14	3.1	IRFL9014PBFTR-ND†	1015.00/2,500		
	-100	1.2	-1.1	-8.8	3.1	IRFL9110-ND	.60	.48	.35
	-100	1.2	-1.1	-8.8	3.1	IRFL9110PBFCT-ND†	.96	.60	.45
	-100	1.2	-1.1	-8.8	3.1	IRFL9110PBFTR-ND†	870.00/2,500		
						SOIC-8			
	-12	0.007	-16	-65	2.5	IRF7410-ND	1.55	1.08	.84
	-12	0.014	-11.5	-46	2.5	IRF7420-ND	2.64	1.85	1.40
	-12	0.014	-11.5	-46	2.5	IRF7420PBFCT-ND†	2.35	1.51	1.18
	-12	0.014	-11.5	-46	2.5	IRF7420PBFTR-ND†	3620.00/4,000		
	-12	0.020	±9.5	±76	2.5	IRF7233-ND	3.53	2.83	2.12
	-12	0.020	±9.5	±76	2.5	IRF7233PBFCT-ND†	3.39	2.26	1.81
	-12	0.020	±9.5	±76	2.5	IRF7233PBFTR-ND†	6104.00/4,000		
	-12	0.024	-8.9	-36	2.5	IRF7433PBFCT-ND†	2.45	1.58	1.23
	-12	0.024	-8.9	-36	2.5	IRF7433PBFTR-ND†	3784.00/4,000		
	-20	0.0082	-15	-60	2.5	IRF7425-ND	2.18	1.24	1.01
7C	-20	0.06	-5.4	-43	2.5	IRF7207-ND	2.44	1.95	1.47
	-20	0.06	-5.4	-43	2.5	IRF7207PBFCT-ND†	2.73	1.76	1.37
	-20	0.06	-5.4	-43	2.5	IRF7207PBFTR-ND†	4212.00/4,000		
	-30	0.013	-11	-47	2.5	IRF7424-ND	1.74	.99	.81
	-30	0.013	-11	-47	2.5	IRF7424PBFCT-ND†	1.82	1.17	.91
	-30	0.013	-11	-47	2.5	IRF7424PBFTR-ND†	2912.00/4,000		
	-30	0.02	-5.6	-45	1	IRF7416-ND	1.22	.87	.72
	-30	0.02	-5.6	-45	1	IRF7416TR-ND	2544.00/4,000		
	-30	0.02	-10	-45	2.5	IRF7416PBF-ND†	3.45	2.30	1.84
	-40	0.015	-10.5	-43	2.5	IRF7240-ND	3.86	2.76	2.24
	-40	0.041	-6.2	-25	2.5	IRF7241PBFCT-ND†	2.73	1.76	1.37
	-40	0.041	-6.2	-25	2.5	IRF7241PBFTR-ND†	4212.00/4,000		
						SOIC-8 Logic Level			
	-12	0.005	-16	-100	2.5	IRF7210-ND	3.91	3.13	2.23
	-14	0.012	-11	-88	2.5	IRF7220-ND	3.53	2.83	2.02
	-14	0.012	-11	-88	2.5	IRF7220PBFCT-ND†	1.23	.82	.66
	-14	0.012	-11	-88	2.5	IRF7220PBFTR-ND†	2216.00/4,000		
	-20	0.04	-6.7	-27	2.5	IRF7404-ND	.88	.71	.51
	-20	0.04	-6.7	-27	2.5	IRF7404PBFCT-ND†	1.23	.79	.62
	-20	0.04	-6.7	-27	2.5	IRF7404PBFTR-ND†	1896.00/4,000		
	-20	0.06	-5.3	-21	1.6	IRF7204CT-ND	3.41	2.20	1.71
	-20	0.06	-5.3	-21	1.6	IRF7204PBFCT-ND†	2.73	1.76	1.37
7C	-20	0.06	-5.3	-21	1.6	IRF7204PBFTR-ND†	4212.00/4,000		
	-30	0.02	-8	-50	2.5	SI4435DY-ND	1.50	1.20	.85
	-30	0.02	-8	-50	2.5	SI4435DYPBFCT-ND†	2.10	1.35	1.05
	-30	0.02	-8	-50	2.5	SI4435DYTR-ND	3240.00/4,000		
	-30	0.02	-8	-50	2.5	SI4435DYPBFTR-ND†	3360.00/4,000		
	-30	0.045	-5.8	-23	2.5	IRF7406-ND	1.15	.93	.67
	-30	0.045	-5.8	-23	2.5	IRF7406PBFCT-ND†	3.15	2.03	1.58
	-30	0.045	-5.8	-23	2.5	IRF7406PBFTR-ND†	4860.00/4,000		
	-30	0.07	-5.3	—	2.5	IRF7205-ND	1.11	.74	.58
	-30	0.07	-5.3	—	2.5	IRF7205PBFCT-ND†	1.23	.79	.62
	-30	0.07	-5.3	—	2.5	IRF7205PBFTR-ND†	1892.00/4,000		
						SOIC-8 Dual Logic Level			
	-12	0.017	-9.2	-37	2	IRF7329-ND	2.01	1.06	.96
	-12	0.017	-9.2	-37	2	IRF7329PBFCT-ND†	3.15	2.03	1.58
	-12	0.017	-9.2	-37	2	IRF7329PBFTR-ND†	4860.00/4,000		
	-12	0.024	-7.8	-39	2	IRF7325PBFCT-ND†	2.94	1.89	1.47
	-12	0.024	-7.8	-39	2	IRF7325PBFTR-ND†	4532.00/4,000		
	-20	0.018	-9	-71	2	IRF7324PBFCT-ND†	3.39	2.26	1.81
	-20	0.018	-9	-71	2	IRF7324PBFTR-ND†	6104.00/4,000		
	-20	0.058	-5.3	-21	2	IRF7314-ND	.97	.69	.57
	-20	0.058	-5.3	-21	2	IRF7314PBFCT-ND†	1.21	.81	.65
	-20	0.058	-5.3	-21	2	IRF7314PBFTR-ND†	2176.00/4,000		
	-20	0.09	-4.3	-17	2	IRF7304-ND	.71	.57	.41
	-20	0.09	-4.3	-17	2	IRF7304PBFCT-ND†	1.13	.71	.53
7A	-20	0.09	-4.3	-17	2	IRF7304TR-ND	1435.56/4,000		
	-20	0.09	-4.3	-17	2	IRF7304PBFTR-ND†	1580.00/4,000		
	-20	0.25	-2.3	-10	2	IRF7104-ND	.77	.55	.45
	-20	0.25	-2.3	-10	2	IRF7104PBFCT-ND†	2.45	1.58	1.23
	-20	0.25	-2.3	-10	2	IRF7104PBFTR-ND†	3780.00/4,000		
	-30	0.021	-8.0	-32	2	IRF7328-ND	1.94	1.11	.90
	-30	0.021	-8.0	-32	2	IRF7328PBFCT-ND†	2.87	1.85	1.44
	-30	0.021	-8.0	-32	2	IRF7328PBFTR-ND†	4424.00/4,000		
	-30	0.058	-4.9	-30	2	IRF7316-ND	.98	.70	.58
	-30	0.058	-4.9	-30	2	IRF7316PBFCT-ND†	1.22	.82	.66
	-30	0.058	-4.9	-30	2	IRF7316PBFTR-ND†	2204.00/4,000		
	-30	0.1	-3.6	-14	2	IRF7306-ND	.86	.70	.50
	-30	0.1	-3.6	-14	2	IRF7306PBFCT-ND†	1.23	.79	.62

† RoHS Compliant

(Continued)

N and P Channel Surface Mount HEXFETs (Cont.)

Fig.	VDS (V)	RDS (on) (Ω)	ID Cont. (A) 25°C	IDM (A)	PD Max. (W)	Digi-Key Part No.	Price Each 1	10	100
	-30	0.1	-3.6	-14	2	IRF7306TR-ND		1890.00/4,000	
	-30	0.1	-3.6	-14	2	IRF7306PBFTR-ND†		1892.00/4,000	
	-30	0.25	-2.3	-10	2	IRF9953-ND	2.19	1.75	1.25
7A	-30	0.25	-2.3	-10	2	IRF9953PBFCT-ND†	2.45	1.58	1.23
	-30	0.25	-2.3	-10	2	IRF9953PBFTR-ND†		3780.00/4,000	
	-55	0.105	-3.4	-27	2	IRF7342-ND	1.06	.85	.61
	-55	0.105	-3.4	-27	2	IRF7342PBFCT-ND†	1.49	.96	.75
	-55	0.105	-3.4	-27	2	IRF7342PBFTR-ND†		2380.00/4,000	
						SOIC-8 "Fetky™" Mosfet and Schottky Diode			
	-20	0.18	-2.9	-23	2	IRF7324D1-ND	3.53	2.83	1.93
	-20	0.18	-2.9	-23	2	IRF7324D1PBFCT-ND†	3.39	2.26	1.81
	-20	0.18	-2.9	-23	2	IRF7324D1PBFTR-ND†		6104.00/4,000	
	-20	0.058	-5.3	-43	2.0	IRF7322D1-ND	1.41	1.13	.85
7D	-20	0.058	-5.3	-43	2.0	IRF7322D1PBFCT-ND†	1.80	1.13	.84
	-20	0.058	-5.3	-43	2.0	IRF7322D1PBFTR-ND†		2520.00/4,000	
	-30	0.062	-4.7	-38	2	IRF7321D2-ND	1.85	1.48	1.01
	-30	0.062	-4.7	-38	2	IRF7321D2PBFCT-ND†	2.07	1.33	1.04
	-30	0.062	-4.7	-38	2	IRF7321D2PBFTR-ND†		3304.00/4,000	
						SOIC-8 "Fetky™" Mosfet and Schottky Diode Logic Level			
	-20	0.09	-4.3	-18	2	IRF7422D2-ND	1.50	1.07	.88
7B	-20	0.09	-4.3	-18	2	IRF7422D2PBFCT-ND†	1.75	1.13	.88
	-20	0.09	-4.3	-18	2	IRF7422D2PBFTR-ND†		2800.00/4,000	
						TSSOP Dual-8			
	-12	0.04	±4.3	-17	1.0	IRF7756-ND	2.09	1.19	.97
8	-20	0.03	±4.7	±38	1.0	IRF7750CT-ND	4.05	3.04	2.37
	-20	0.03	±4.7	±38	1.0	IRF7750TR-ND		7292.00/4,000	
						FlipFET™			
9	-20	0.065	±5.1	±35	2.2	IRF6100CT-ND	1.08	.65	.50
10	-20	0.036	±7.1	±40	3.0	IRF6150CT-ND	2.95	2.06	1.59
	-20	0.036	±7.1	±40	3.0	IRF6150TR-ND		5024.00/4,000	
						N-CHANNEL TYPES			
						SOT-227			
	100	0.0065	180	720	480	FB180SA10-ND	36.14	28.91	20.61
11	500	0.08	57	228	625	FA57SA50LC-ND	51.50	41.20	30.90
	500	0.13	38	150	500	FA38SA50LC-ND	31.25	25.00	18.75
						D²Pak			
	20	0.006	92	380	79	IRF3711ZS-ND	3.54	2.33	1.77
	20	0.006	92	380	79	IRF3711ZCS-ND	3.54	2.33	1.77
	20	0.008	67	260	57	IRF3704ZCS-ND	3.06	2.01	1.53
	20	0.009	77	308	87	IRF3704S-ND	2.50	2.01	1.76
	40	0.002	75	1080	330	IRF2804S-ND	5.20	3.78	3.03
	40	0.0036	170	850	200	IRF2204SPBF-ND†	3.28	2.19	1.75
	40	0.0037	75	750	220	IRF1404ZS-ND	2.53	1.78	1.44
	40	0.0055	75	470	140	IRF4104S-ND	3.06	2.08	1.65
	40	0.0055	75	470	140	IRF4104SPBF-ND†	3.45	2.22	1.73
	40	0.009	100	400	170	IRF1104S-ND	2.30	1.84	1.38
	55	0.0033	75	890	130	IRF3805S-ND	6.55	4.68	3.75
	55	0.005	75	600	230	IRF1405ZS-ND	4.28	3.00	2.36
	55	0.008	110	390	200	IRF3205S-ND	4.00	3.20	2.24
	55	0.008	110	390	200	IRF3205STRL-ND		2228.00/800	
	55	0.0136	51	200	82	IRFZ46ZSPBF-ND†	2.10	1.35	1.05
	55	0.0139	51	200	80	IRFZ44ZSPBF-ND†	2.09	1.35	1.05
	55	0.011	61	240	91	IRFZ48ZSPBF-ND†	2.24	1.44	1.12
	55	0.016	64	210	140	IRFZ48NSTRL-ND		624.00/800	
	55	0.016	64	210	140	IRFZ48NSTRR-ND		924.80/800	
	55	0.022	49	160	110	IRFZ44NSTRL-ND		539.20/800	
1	55	0.04	29	100	68	IRFZ34NSTRL-ND		432.00/800	
	55	0.04	29	100	68	IRFZ34NSTRR-ND		432.00/800	
	60	0.0085	75	340	140	IRF1010EZSPBF-ND†	3.26	2.10	1.64
	60	0.012	57	230	92	IRFZ44VZS-ND	2.60	1.68	1.35
	60	0.012	72	290	150	IRFZ48VS-ND	1.70	.97	.80
	60	0.018	50	290	190	IRFZ48RSPBF-ND†	2.33	1.56	1.25
	60	0.023	48	192	110	IRFZ44ES-ND	1.15	.82	.68
	60	0.023	48	192	110	IRFZ44ESTRR-ND		929.60/800	
	60	0.028	50	200	150	IRFZ44S-ND	1.53	1.22	.87
	60	0.028	50	200	150	IRFZ44STRR-ND		1304.00/800	
	60	0.028	30	120	70	IRFZ34VSPBF-ND†	1.86	1.17	.87
	60	0.06	17	68	44	IRFZ24VSPBF-ND†	1.72	1.08	.80
	60	0.1	17	68	60	IRFZ24S-ND	1.02	.82	.59
	60	0.2	10	40	43	IRFZ14S-ND	1.08	.86	.61
	75	0.0045	180	720	330	IRFS3207-ND	9.11	6.63	5.31
	75	0.0063	130	510	250	IRFS3307-ND	8.16	5.91	4.56
	75	0.0078	100	520	3.8	IRF1407SPBF-ND†	2.55	1.70	1.36
	75	0.0094	75	350	170	IRF2807ZS-ND	4.25	2.73	2.07
	75	0.0126	62	320	120	IRF3007SPBF-ND†	2.67	1.72	1.34
	75	0.013	71	280	150	IRF2807S-ND	2.35	1.62	1.29
	100	0.0070	140	550	330	IRFS4310-ND	6.81	4.95	3.96
	100	0.01	96	380	250	IRFS4410-ND	4.68	3.39	2.62
	100	0.015	80	320	260	IRF8010SPBF-ND†	3.66	2.44	1.96
	100	0.036	42	140	160	IRF1310NSTRL-ND		708.00/800	
	100	0.052	33	110	140	IRF540NSTRL-ND		1317.76/800	
	100	0.052	33	110	140	IRF540NSTRR-ND		604.80/800	
	100	0.077	28	110	150	IRF540STRL-ND		759.20/800	
	100	0.077	28	110	150	IRF540STRR-ND		759.20/800	
	100	0.11	17	80	79	IRF530NSTRL-ND		296.80/800	
	100	0.11	17	80	79	IRF530NSTRR-ND		296.80/800	
	100	0.16	14	56	88	IRF530S-ND	1.06	.85	.62
	100	0.16	14	56	88	IRF530STRR-ND		755.20/800	
	100	0.165	9.6	37	44	IRF520VSPBF-ND†	1.88	1.18	.87
	150	0.032	60	240	3.8	IRFS52N15DPBF-ND†	4.76	3.15	2.72
	150	0.042	43	150	200	IRF3415STRL-ND		680.80/800	
	150	0.082	21	84	94	IRF3315S-ND	1.49	1.06	.87
	150	0.082	21	84	94	IRF3315SPBF-ND†	1.86	1.24	1.00
	200	0.082	31	124	200	IRFS31N20D-ND	3.19	2.55	1.92
	200	0.15	18	72	150	IRF640NSTRL-ND		1295.20/800	
	200	0.15	18	72	150	IRF640NSTRR-ND		1390.84/800	
1	200	0.3	9.3	37	82	IRF630NS-ND	2.15	1.73	1.51
	200	0.3	9.3	37	82	IRF630NSTRL-ND		459.20/800	
	250	0.28	14	56	125	IRF644S-ND	4.05	2.87	2.37
	250	0.28	14	56	125	IRF644STRL-ND		656.80/800	
	250	1.1	4.4	—	50	IRF624S-ND	2.04	1.45	1.19
	250	1.1	4.4	—	50	IRF624SPBF-ND†	2.38	1.53	1.19
	250	2	2.7	8	36	IRF614S-ND	2.45	1.58	1.23
	300	0.75	6.1	24	74	IRF737LCS-ND	1.97	1.58	1.19
	400	0.55	10	40	125	IRF740STRL-ND		680.80/800	
	500	0.85	8	32	125	IRF840AS-ND	2.32	1.50	1.17
	500	1.4	5	20	74	IRF830ASPBF-ND†	1.72	1.11	.86
	500	1.5	4.5	—	74	IRF830S-ND	1.34	.95	.79
	500	3	2.5	10	50	IRF820AS-ND	1.22	.98	.73
	500	3	2.5	10	50	IRF820ASPBF-ND†	1.94	1.22	.90
	600	0.75	9.2	37	170	IRFS9N60A-ND	2.05	1.64	1.23
	600	1.2	6.2	25	130	IRFBC40LCS-ND	3.76	3.01	2.26
	600	2.2	3.6	14	74	IRFBC30SPBF-ND†	3.30	2.20	1.76
	600	4.4	2.2	8.0	50	IRFBC20S-ND	2.94	2.35	1.77
	800	3.0	4.1	16	125	IRFBE30SPBF-ND†	3.45	2.30	1.84
	800	6.5	1.8	—	54	IRFBE20S-ND	2.00	1.60	1.20
						D²Pak-7			
12	40	0.0016	160	1360	330	IRF2804S-7P-ND	7.02	4.92	4.21
	55	0.0026	160	1000	300	IRF3805S-7P-ND	7.22	5.35	4.34
	55	0.0049	120	590	230	IRF1405ZS-7P-ND	6.58	4.24	3.30
	75	0.0038	160	700	300	IRF2907ZS-7PPBF-ND†	5.01	3.64	2.92
						D²Pak Logic Level			
	20	0.011	50	200	45	IRL3715ZCS-ND	3.08	1.75	1.45
	20	0.011	50	200	45	IRL3715ZS-ND	2.97	1.69	1.40
	20	0.016	36	140	35	IRL3714ZS-ND	1.71	.98	.81
	20	0.016	36	140	35	IRL3714ZSCTL-ND	3.13	2.24	1.57
	20	0.016	36	140	35	IRL3714ZSTRL-ND		1072.00/800	
	20	0.02	36	140	47	IRL3714S-ND	1.11	.65	.50
	20	0.013	61	240	89	IRL3102S-ND	1.22	.98	.70
	20	0.016	48	190	69	IRL3202S-ND	1.55	1.24	.89
	20	0.02	39	160	57	IRL3302S-ND	1.65	1.33	.95
	20	0.007	110	420	140	IRL3502STRL-ND		820.80/800	
	20	0.004	180	720	210	IRL3716S-ND	2.28	1.56	1.18
	30	0.006	140	470	200	IRL3803S-ND	4.05	2.87	2.37
	30	0.006	140	470	200	IRL3803STRL-ND		1749.60/800	
	30	0.007	116	400	170	IRL2203NSTRL-ND		972.00/800	
	30	0.014	54	220	70	IRL3103D1S-ND	2.96	2.07	1.66
	30	0.014	64	220	110	IRL3103S-ND	3.90	2.77	2.28
	30	0.014	64	220	110	IRL3103STRL-ND		1820.00/800	
	30	0.026	34	140	68	IRL3303D1S-ND	1.75	1.40	1.05
	30	0.026	38	140	68	IRL3303S-ND	2.94	2.09	1.72
	40	0.0031	75	790	230	IRL1404ZS-ND	4.43	2.95	2.36
	40	0.004	160	640	3.8	IRL1404S-ND	3.00	2.10	1.64
1	55	0.008	86	340	130	IRL3705ZSCTL-ND	4.60	2.96	2.30
	55	0.008	86	340	130	IRL3705ZSTRL-ND		1523.20/800	
	55	0.01	89	310	170	IRL3705NSTRL-ND		2172.00/800	
	55	0.022	47	160	110	IRL244NSTRL-ND		449.60/800	
	55	0.022	47	160	110	IRL244NSTRR-ND		432.00/800	
	55	0.035	30	110	68	IRL234NSTRL-ND		451.20/800	
	60	0.1	14	56	42	IRLR024-ND	.90	.72	.52
	60	0.2	10	40	43	IRLZ14S-ND	1.15	.92	.66
	60	0.028	50	200	150	IRLZ44S-ND	1.52	1.22	.87
	60	0.028	50	200	150	IRLZ44STRR-ND		657.72/800	
	100	0.044	36	120	140	IRL540NSTRL-ND		620.80/800	
	100	0.1	17	60	79	IRL530NS-ND	1.01	.81	.58

† RoHS Compliant

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Diodes

Max. Peak Reverse Voltage (V)	I_F @ 25°C (A)	I_{FSM} @ 25°C (A)	V_F @ 25°C (V)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel* Size	Pricing	MCC Part No.
DO-15 — RoHS Compliant										
50	2.0	60	1.0	RL201-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL201-TP
100	2.0	60	1.0	RL202-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL202-TP
200	2.0	60	1.0	RL203-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL203-TP
400	2.0	60	1.0	RL204-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL204-TP
600	2.0	60	1.0	RL205-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL205-TP
800	2.0	60	1.0	RL206-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL206-TP
1000	2.0	60	1.0	RL207-TPCT-ND	—	.43	3.40	4,000	17.00/M	RL207-TP
50	2.0	75	0.95	EGP20A-TPCT-ND‡	—	4.00	32.00	4,000	160.00/M	EGP20A-TP
100	2.0	75	0.95	EGP20B-TPCT-ND‡	—	4.00	32.00	4,000	160.00/M	EGP20B-TP
200	2.0	75	0.95	EGP20D-TPCT-ND‡	—	4.00	32.00	4,000	160.00/M	EGP20D-TP
300	2.0	75	1.25	EGP20F-TPCT-ND‡	—	4.00	32.00	4,000	160.00/M	EGP20F-TP
400	2.0	75	1.25	EGP20G-TPCT-ND‡	—	4.00	32.00	4,000	160.00/M	EGP20G-TP
DO-35 — RoHS Compliant										
20	—	15	0.37	SD103CTPMSCT-ND	—	2.25	18.00	10,000	90.00/M	SD103C-TP
DO-41 — RoHS Compliant										
20	1.0	25	0.45	1N5817-TPCT-ND	—	2.00	16.00	5,000	80.00/M	1N5817-TP
30	1.0	25	0.55	1N5818-TPCT-ND	—	2.00	16.00	5,000	80.00/M	1N5818-TP
40	1.0	25	0.60	1N5819-TPCT-ND	—	2.00	16.00	5,000	80.00/M	1N5819-TP
60	1.0	30	0.70	SR106-TPCT-ND	—	2.00	16.00	5,000	80.00/M	SR106-TP
80	1.0	30	0.85	SR108-TPCT-ND	—	2.00	16.00	5,000	80.00/M	SR108-TP
100	1.0	30	0.85	SR1010-TPCT-ND	—	2.00	16.00	5,000	80.00/M	SR1010-TP
50	1.0	30	0.95	EGP10A-TPCT-ND‡	—	2.25	18.00	5,000	90.00/M	EGP10A-TP
100	1.0	30	0.95	EGP10B-TPCT-ND‡	—	2.25	18.00	5,000	90.00/M	EGP10B-TP
200	1.0	30	0.95	EGP10D-TPCT-ND‡	—	2.25	18.00	5,000	90.00/M	EGP10D-TP
300	1.0	30	1.25	EGP10F-TPCT-ND‡	—	2.25	18.00	5,000	90.00/M	EGP10F-TP
400	1.0	30	1.25	EGP10G-TPCT-ND‡	—	2.25	18.00	5,000	90.00/M	EGP10G-TP
50	1.0	30	1.1	1N4001-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4001-TP
100	1.0	30	1.1	1N4002-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4002-TP
200	1.0	30	1.1	1N4003-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4003-TP
400	1.0	30	1.1	1N4004-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4004-TP
600	1.0	30	1.1	1N4005-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4005-TP
800	1.0	30	1.1	1N4006-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4006-TP
1000	1.0	30	1.1	1N4007-TPMSCT-ND	—	.43	3.40	5,000	17.00/M	1N4007-TP
20	2.0	50	0.55	SR202-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR202-TP
30	2.0	50	0.55	SR203-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR203-TP
40	2.0	50	0.55	SR204-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR204-TP
60	2.0	50	0.70	SR206-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR206-TP
80	2.0	50	0.85	SR208-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR208-TP
100	2.0	50	0.85	SR2010-TPCT-ND	—	2.25	18.00	5,000	90.00/M	SR2010-TP
DO-201AD — RoHS Compliant										
50	3.0	200	1.0	1N5400-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5400-TP
100	3.0	200	1.0	1N5401-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5401-TP
200	3.0	200	1.0	1N5402-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5402-TP
400	3.0	200	1.0	1N5404-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5404-TP
600	3.0	200	1.0	1N5406-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5406-TP
800	3.0	200	1.0	1N5407-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5407-TP
1000	3.0	200	1.0	1N5408-TPCT-ND	—	1.50	12.00	1,200	60.00/M	1N5408-TP
DO-201AE — RoHS Compliant										
50	3.0	125	0.95	EGP30A-TPCT-ND‡	—	5.00	40.00	1,250	200.00/M	EGP30A-TP
100	3.0	125	0.95	EGP30B-TPCT-ND‡	—	5.00	40.00	1,250	200.00/M	EGP30B-TP
200	3.0	125	0.95	EGP30D-TPCT-ND‡	—	5.00	40.00	1,250	200.00/M	EGP30D-TP
300	3.0	125	1.25	EGP30F-TPCT-ND‡	—	5.00	40.00	1,250	200.00/M	EGP30F-TP
400	3.0	125	1.25	EGP30G-TPCT-ND‡	—	5.00	40.00	1,250	200.00/M	EGP30G-TP
DO-214AA										
50	1.0	30	0.72	SMBSR105MSCT-ND	.56	5.04	42.00	—	—	SMBSR105 (SK15)
80	1.0	30	0.85	SMBSR108MSCT-ND	.56	5.04	42.00	—	—	SMBSR108 (SK18)
600	2.0	50	1.15	S2JMSCT-ND	—	2.25	18.00	—	—	S2J
800	2.0	50	1.15	S2KMSCT-ND	—	2.25	18.00	—	—	S2K
DO-214AA — RoHS Compliant										
20	1.0	30	0.45	SK12-TPMSCT-ND	.42	3.78	31.50	3,000	174.00/M	SK12-TP
30	1.0	30	0.55	SK13-TPMSCT-ND	.40	3.60	30.00	3,000	166.00/M	SK13-TP
40	1.0	30	0.60	SK14-TPMSCT-ND	.42	3.78	31.50	3,000	174.00/M	SK14-TP
50	1.0	30	0.72	SK15-TPMSCT-ND	.56	5.04	42.00	3,000	232.00/M	SK15-TP
60	1.0	30	0.72	SK16-TPMSCT-ND	.56	5.04	42.00	3,000	232.00/M	SK16-TP
80	1.0	30	0.85	SK18-TPMSCT-ND	.56	5.04	42.00	3,000	232.00/M	SK18-TP
100	1.0	30	0.85	SK110-TPMSCT-ND	.64	5.76	48.00	3,000	266.00/M	SK110-TP
20	2.0	50	0.55	SK22-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK22-TP
30	2.0	50	0.55	SK23-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK23-TP
40	2.0	50	0.55	SK24-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK24-TP
50	2.0	50	0.70	SK25-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK25-TP
60	2.0	50	0.70	SK26-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK26-TP
80	2.0	50	0.85	SK28-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK28-TP
100	2.0	50	0.85	SK210-TPCT-ND	—	6.50	52.00	3,000	260.00/M	SK210-TP
50	2.0	50	1.15	S2A-TPMSCT-ND	—	2.50	20.00	3,000	100.00/M	S2A-TP
100	2.0	50	1.15	S2B-TPMSCT-ND	—	2.50	20.00	3,000	100.00/M	S2B-TP
200	2.0	50	1.15	S2D-TPMSCT-ND	—	2.50	20.00	3,000	100.00/M	S2D-TP
400	2.0	50	1.15	S2G-TPMSCT-ND	—	2.50	20.00	3,000	100.00/M	S2G-TP
600	2.0	50	1.15	S2J-TPMSCT-ND	—	3.00	24.00	3,000	120.00/M	S2J-TP
800	2.0	50	1.15	S2K-TPMSCT-ND	—	3.00	24.00	3,000	120.00/M	S2K-TP
1000	2.0	50	1.15	S2M-TPMSCT-ND	—	3.00	24.00	3,000	120.00/M	S2M-TP
20	3.0	100	0.50	SK32B-TPCT-ND	—	7.50	60.00	3,000	300.00/M	SK32B-TP
30	3.0	100	0.50	SK33B-TPCT-ND	—	7.50	60.00	3,000	300.00/M	SK33B-TP
40	3.0	100	0.50	SK34B-TPCT-ND	—	7.50	60.00	3,000	300.00/M	SK34B-TP
50	3.0	100	0.75	SK35B-TPCT-ND	—	7.50	60.00	3,000	300.00/M	SK35B-TP

Tape and Reel part number, change CT-ND to TR-ND ‡ Glass Passivated

Fig. 1 — DO-15

Dimensions (mm)		
Dim.	Min.	Max.
A	5.80	7.60
B	2.60	3.60
C	0.70	0.90
D	25.40	—

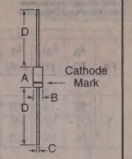


Fig. 2 — DO-35

Dimensions (mm)		
Dim.	Min.	Max.
A	—	4.20
B	—	2.00
C	—	0.52
D	25.40	—

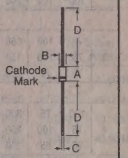


Fig. 3 — DO-41

Dimensions (mm)		
Dim.	Min.	Max.
A	4.10	5.20
B	2.00	2.70
C	0.70	0.90
D	25.40	—

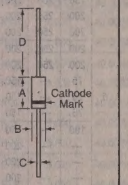


Fig. 4 — DO-201AD

Dimensions (mm)		
Dim.	Min.	Max.
A	—	9.50
B	—	6.40
C	1.20	1.30
D	25.40	—

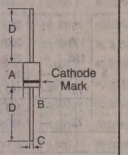


Fig. 5 — DO-201AE

Dimensions (mm)		
Dim.	Min.	Max.
A	—	9.50
B	—	6.40
C	0.96	1.06
D	25.40	—

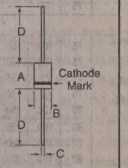
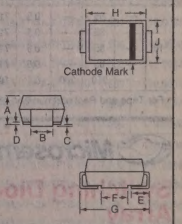


Fig. 6 — DO-214AA, SMT

Dimensions (mm)		
Dim.	Min.	Max.
A	1.98	2.95
B	1.90	2.25
C	0.05	0.20
D	—	0.51
E	0.90	1.40
F	1.65	2.32
G	5.21	5.69
H	4.06	4.57
J	3.30	3.94

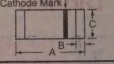


SW Diodes – Silicon Epitaxial

Fig.	V_R (V)	V_{RM} (V)	I_O (mA)	I_{FSM} (A)	V_F (mV)	Pinning 1	2	3	Digi-Key Part No.	Cut Tape Pricing 10	100	Tape & Reel* Size	Pricing	MCC Part No.
									MINIMELF - SMT					
1	50	75	200	4.0	570	—	—	—	DL4150TPMSCT-ND	.60	4.80	2,500	24.00/M	DL4150-TP
	75	100	150	0.500	100	—	—	—	DL4148-TPMSCT-ND	1.10	9.35	2,500	72.00/M	DL4148-TP
	75	100	150	0.500	100	—	—	—	DL4448TPMSCT-ND	.50	4.00	2,500	20.00/M	DL4448-TP
									DO-35					
2	75	100	150	2.0	1000	—	—	—	1N4148-TPMSCT-ND	.53	4.20	10,000	14.00/M	1N4148-TP
	75	100	150	0.500	100	—	—	—	1N4448TPMSCT-ND	.33	2.60	10,000	13.00/M	1N4448-TP
	100	100	200	1.0	100	—	—	—	1N914-TPCT-ND	.30	2.40	10,000	12.00/M	1N914-TP
	100	100	200	1.0	720	—	—	—	1N914B-TPCT-ND	.30	2.40	10,000	12.00/M	1N914B-TPCT-ND
									SOD-123					
3	75	100	150	0.350	100	—	—	—	1N4148WTPMSCT-ND	1.00	8.00	3,000	40.00/M	1N4148W-TP
	75	100	150	0.500	100	—	—	—	1N4448WTPMSCT-ND	1.50	12.00	3,000	60.00/M	1N4448W-TP
	75	75	200	2.0	100	—	—	—	BAS16WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS16W-TP
									SOD-323					
4	100	75	300	2.0	100	—	—	—	1N4148WXTPMSCT-ND	1.00	8.00	3,000	40.00/M	1N4148WX-TP
	75	100	250	2.0	720	—	—	—	1N4448WXTPMSCT-ND	1.50	12.00	3,000	60.00/M	1N4448WX-TP
	75	85	200	2.0	100	—	—	—	BAS16WXTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS16WX-TP
									SOT-23-2					
5	75	100	300	1.0	1250	—	—	—	BAS16TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS16-TP
	100	120	200	2.5	1250	K	A	A	BAS19TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS19-TP
	150	200	200	2.5	1250	K	A	A	BAS20TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS20-TP
	200	250	200	2.5	1250	K	A	A	BAS21TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS21-TP
	200	250	200	—	1100	A	K	K	BAS21ATPMSCT-ND	1.25	10.00	3,000	50.00/M	BAS21A-TP
	200	250	200	—	1100	K	A	A	BAS21CTPMSCT-ND	1.25	10.00	3,000	50.00/M	BAS21C-TP
	200	250	200	—	1100	K/A	A	K	BAS21STPMSCT-ND	1.25	10.00	3,000	50.00/M	BAS21S-TP
	75	—	150	1.0	855	K	A	A	BAV70TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAV70-TP
	75	—	150	1.0	855	K/A	A	K	BAV99TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAV99-TP
	75	—	150	1.0	855	A	K	K	BAW56TPMSCT-ND	1.00	8.00	3,000	40.00/M	BAW56-TP
	100	—	150	1.0	820	K/A	A	C	MMBD7000TPMSCT-ND	1.00	8.00	3,000	40.00/M	MMBD7000-TP
	—	—	200	1.0	885	A	—	K	MMBD1501TPMSCT-ND	2.00	16.00	3,000	80.00/M	MMBD1501-TP
	—	—	200	1.0	885	A	K	K/A	MMBD1503TPMSCT-ND	2.00	16.00	3,000	80.00/M	MMBD1503-TP
	—	—	200	1.0	885	A	A	K	MMBD1504TPMSCT-ND	2.00	16.00	3,000	80.00/M	MMBD1504-TP
	—	—	200	1.0	885	A	K	A	MMBD1505TPMSCT-ND	2.00	16.00	3,000	80.00/M	MMBD1505-TP
	75	100	200	1.0	885	A	—	K	MMBD4148TPMSCT-ND	1.00	8.00	3,000	40.00/M	MMBD4148-TP
	75	100	150	1.0	885	K	—	A	MMBD914TPMSCT-ND	1.00	8.00	3,000	40.00/M	MMBD914-TP
									SOT-323					
6	75	75	150	2.0	100	—	—	—	BAS16WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS16WT-TP
	100	—	200	2.5	1250	K	A	—	BAS19WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS19WT-TP
	150	—	200	2.5	1250	K	A	—	BAS20WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS20WT-TP
	200	—	200	2.5	1000	K	A	—	BAS21WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAS21WT-TP
	75	—	150	1.0	855	K	A	A	BAV70WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAV70WT-TP
	75	—	150	1.0	855	K/A	A	K	BAV99WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAV99WT-TP
	75	—	150	1.0	855	A	K	K	BAW56WTPMSCT-ND	1.00	8.00	3,000	40.00/M	BAW56WT-TP
									SOT-563					
7	75	100	200	1.0	1250	—	—	—	BAS16VTPMSCT-ND	2.00	16.00	3,000	80.00/M	BAS16V-TP
									SOD-523					
8	75	100	150	1.0	715	—	—	—	1N4148XTPMSCT-ND	1.75	14.00	3,000	70.00/M	1N4148X-TP
	75	100	250	2.0	720	—	—	—	1N4448XTPMSCT-ND	2.00	16.00	3,000	80.00/M	1N4448X-TP
	75	75	—	0.5	715	—	—	—	BAS16X-TPCT-ND	.85	6.80	3,000	34.00/M	BAS16X-TP
									SOT-363					
9	75	100	150	1.0	715	—	—	—	BAV70DW-TPCT-ND	2.00	16.00	3,000	80.00/M	BAV70DW-TP
	75	100	150	1.0	715	—	—	—	BAW56DW-TPCT-ND	2.00	16.00	3,000	80.00/M	BAW56DW-TP
	75	75	150	—	715	—	—	—	MMBD4148TW-TPCT-ND	2.00	16.00	3,000	80.00/M	MMBD4148TW-TP
	75	—	150	—	1250	—	—	—	BAV99DW-TPCT-ND	2.75	22.00	3,000	110.00/M	BAV99DW-TP
	80	100	250	2.0	1250	—	—	—	MMBD4448HTW-TPCT-ND	3.50	28.00	3,000	140.00/M	MMBD4448HTW-TP
	80	100	250	2.0	1250	—	—	—	MMBD4448HCDW-TPCT-ND	3.50	28.00	3,000	140.00/M	MMBD4448HCDW-TP
	80	100	250	2.0	1250	—	—	—	MMBD4448HADW-TPCT-ND	3.50	28.00	3,000	140.00/M	MMBD4448HADW-TP
	80	100	250	2.0	1250	—	—	—	MMBD4448HAQW-TPCT-ND	3.50	28.00	3,000	140.00/M	MMBD4448HAQW-TP
	80	100	250	2.0	1250	—	—	—	MMBD4448HSDW-TPCT-ND	3.50	28.00	3,000	140.00/M	MMBD4448HSDW-TP
									SOT-523					
10	—	85	—	0.5	715	—	—	—	BAS16T-TPCT-ND	1.50	12.00	3,000	60.00/M	BAS16T-TP
	—	85	—	0.5	715	—	—	—	BAW56T-TPCT-ND	1.50	12.00	3,000	60.00/M	BAW56T-TP
	—	85	—	0.5	715	—	—	—	BAV70T-TPCT-ND	1.50	12.00	3,000	60.00/M	BAV70T-TP
	—	85	—	0.5	715	—	—	—	BAV99T-TPCT-ND	1.50	12.00	3,000	60.00/M	BAV99T-TP
	—	250	200	0.5	100	—	—	—	BAS21T-TPCT-ND	1.50	12.00	3,000	60.00/M	BAS21T-TP

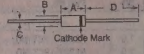
* For Tape and Reel part number, change CT-ND to TR-ND

Fig. 1 — MINIMELF, SMT



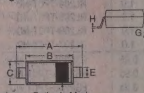
Dimensions (mm)		
Dim.	Min.	Max.
A	3.40	3.60
B	0.20	0.40
C	1.40	1.50

Fig. 2 — DO-35



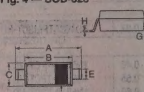
Dimensions (mm)		
Dim.	Min.	Max.
A	—	4.20
B	—	2.00
C	—	0.52
D	25.40	—

Fig. 3 — SOD-123



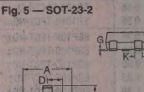
Dimensions (mm)		
Dim.	Min.	Max.
A	3.55	3.85
B	2.55	2.85
C	1.40	1.80
D	—	1.35
E	0.30	0.70
G	0.15	—
H	—	0.25

Fig. 4 — SOD-323



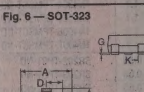
Dimensions (mm)		
Dim.	Min.	Max.
A	2.30	2.70
B	1.60	1.80
C	1.15	1.35
D	0.80	1.10
E	0.25	0.40
G	0.10	0.45
H	0.10	0.25

Fig. 5 — SOT-23-2



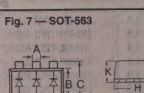
Dimensions (mm)		
Dim.	Min.	Max.
A	2.80	3.04
B	2.10	2.64
C	1.20	1.40
D	0.89	1.03
E	1.78	2.05
F	0.45	0.60
G	0.013	0.10
H	0.89	1.12
K	0.37	0.51

Fig. 6 — SOT-323



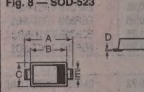
Dimensions (mm)		
Dim.	Min.	Max.
A	1.80	2.20
B	1.15	1.35
C	2.00	2.20
D	(0.65 Nomina	
E	1.20	1.40
F	0.30	0.40
G	—	0.10
H	0.90	1.00
K	0.30	0.40

Fig. 7 — SOT-563



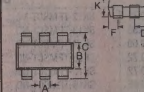
Dimensions (mm		
Dim.	Min.	Ma
A	0.15	0.3
B	1.10	1.2
C	1.55	1.7
D	(0.50 Nomin	
G	0.90	1.1
H	1.50	1.7
K	0.56	0.6

Fig. 8 — SOD-523



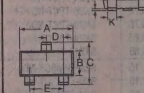
Dimensions (mm		
Dim.	Min.	Ma
A	1.50	1.7
B	1.10	1.3
C	0.75	0.8
D	0.01	0.0
E	0.25	0.3
F	0.08	0.1

Fig. 9 — SOT-363



Dimensions (mm		
Dim.	Min.	Ma
A	0.10	0.3
B	1.15	1.3
C	2.00	2.2
D	(0.65 Nomin	
F	0.30	0.4
H	1.80	2.2
J	—	0.1
K	0.90	1.1

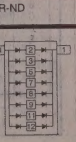
Fig. 10 — SOT-523



Dimensions (mm		
Dim.	Min.	Ma
A	1.50	1.
B	0.75	0.
C	1.45	1.
D	(0.50 Nomi	
E	0.90	1.
G	—	0.
H	0.70	0.
K	0.25	0.

Microsemi.

Switching Diode Array



Features: • 8 Isolated lines • Standard SOIC 14 pin Surface Mount Package • UL94V-0 Flammability Classification

Vbr @ Ibr = 100µA (V) Minimum	Ir 25°C (µA) Maximum	(V) @ Vr	CAP @ 0 V (pF) Maximum	trr (nS) Maximum	Vf @ If = 100mA (V) Minimum	Maximum	Digi-Key Part No.	1	Pricing 10	100
90	0.200	20	1.5	5.0	1	1.20	MMAD1103E3-ND	7.56	68.04	567.

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Fig. 1 – DO-35

DIMENSIONS - (mm)		
Dim.	Min.	Max.
A	—	4.20
B	—	2.00
C	—	0.52
D	25.40	—

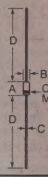


Fig. 2 – DO-41G

DIMENSIONS - (mm)		
Dim.	Min.	Max.
A	4.10	7.60
B	2.00	3.60
C	0.70	0.90
D	25.40	—

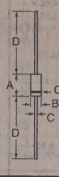
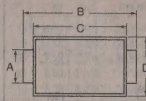


Fig. 3 – DO-214AC

DIMENSIONS - (mm)		
Dim.	Min.	Max.
A	1.27	1.63
B	4.80	5.59
C	4.00	4.60
D	2.25	2.92

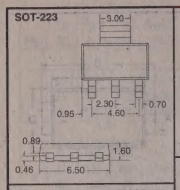


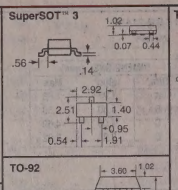
C

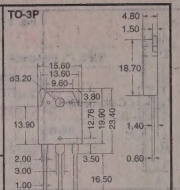
ner Volt. (V)	Test Curr. I_{ZT} (mA)	Max. Dynamic Imp. Z_{ZT} @ I_{ZT} (Ω)	Digi-Key Part No	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing
			Fig. 1 – DO-35, .5W						
4	20	30	1N5221B-TPCT-ND	.75	6.00	45.00	1N5221B-TPTR-ND	10,000	30.00/M
5	20	30	1N5222B-TPCT-ND	.75	6.00	45.00	1N5222B-TPTR-ND	10,000	30.00/M
7	20	30	1N5223B-TPCT-ND	.75	6.00	45.00	1N5223B-TPTR-ND	10,000	30.00/M
8	20	30	1N5224B-TPCT-ND	.75	6.00	45.00	1N5224B-TPTR-ND	10,000	30.00/M
0	20	29	1N5225B-TPCT-ND	.75	6.00	45.00	1N5225B-TPTR-ND	10,000	30.00/M
3	20	28	1N5226B-TPCT-ND	.75	6.00	45.00	1N5226B-TPTR-ND	10,000	30.00/M
6	20	24	1N5227B-TPCT-ND	.75	6.00	45.00	1N5227B-TPTR-ND	10,000	30.00/M
9	20	23	1N5228B-TPCT-ND	.75	6.00	45.00	1N5228B-TPTR-ND	10,000	30.00/M
3	20	22	1N5229B-TPCT-ND	.75	6.00	45.00	1N5229B-TPTR-ND	10,000	30.00/M
7	20	19	1N5230B-TPCT-ND	.75	6.00	45.00	1N5230B-TPTR-ND	10,000	30.00/M
1	20	17	1N5231B-TPCT-ND	.75	6.00	45.00	1N5231B-TPTR-ND	10,000	30.00/M
6	20	11	1N5232B-TPCT-ND	.75	6.00	45.00	1N5232B-TPTR-ND	10,000	30.00/M
0	20	7.0	1N5233B-TPCT-ND	.75	6.00	45.00	1N5233B-TPTR-ND	10,000	30.00/M
2	20	7.0	1N5234B-TPCT-ND	.75	6.00	45.00	1N5234B-TPTR-ND	10,000	30.00/M
8	20	5.0	1N5235B-TPCT-ND	.75	6.00	45.00	1N5235B-TPTR-ND	10,000	30.00/M
5	20	6.0	1N5236B-TPCT-ND	.75	6.00	45.00	1N5236B-TPTR-ND	10,000	30.00/M
2	20	8.0	1N5237B-TPCT-ND	.75	6.00	45.00	1N5237B-TPTR-ND	10,000	30.00/M
7	20	8.0	1N5238B-TPCT-ND	.75	6.00	45.00	1N5238B-TPTR-ND	10,000	30.00/M
1	20	10	1N5239B-TPCT-ND	.75	6.00	45.00	1N5239B-TPTR-ND	10,000	30.00/M
0	20	17	1N5240B-TPCT-ND	.75	6.00	45.00	1N5240B-TPTR-ND	10,000	30.00/M
1	20	22	1N5241B-TPCT-ND	.75	6.00	45.00	1N5241B-TPTR-ND	10,000	30.00/M
2	20	30	1N5242B-TPCT-ND	.75	6.00	45.00	1N5242B-TPTR-ND	10,000	30.00/M
3	9.5	13	1N5243B-TPCT-ND	.75	6.00	45.00	1N5243B-TPTR-ND	10,000	30.00/M
4	9.0	15	1N5244B-TPCT-ND	.75	6.00	45.00	1N5244B-TPTR-ND	10,000	30.00/M
5	8.5	16	1N5245B-TPCT-ND	.75	6.00	45.00	1N5245B-TPTR-ND	10,000	30.00/M
6	7.8	17	1N5246B-TPCT-ND	.75	6.00	45.00	1N5246B-TPTR-ND	10,000	30.00/M
7	7.4	19	1N5247B-TPCT-ND	.75	6.00	45.00	1N5247B-TPTR-ND	10,000	30.00/M
8	7.0	21	1N5248B-TPCT-ND	.75	6.00	45.00	1N5248B-TPTR-ND	10,000	30.00/M
9	6.6	23	1N5249B-TPCT-ND	.75	6.00	45.00	1N5249B-TPTR-ND	10,000	30.00/M
0	6.2	25	1N5250B-TPCT-ND	.75	6.00	45.00	1N5250B-TPTR-ND	10,000	30.00/M
2	5.6	29	1N5251B-TPCT-ND	.75	6.00	45.00	1N5251B-TPTR-ND	10,000	30.00/M
4	5.2	33	1N5252B-TPCT-ND	.75	6.00	45.00	1N5252B-TPTR-ND	10,000	30.00/M
5	5.0	35	1N5253B-TPCT-ND	.75	6.00	45.00	1N5253B-TPTR-ND	10,000	30.00/M
7	4.6	41	1N5254B-TPCT-ND	.75	6.00	45.00	1N5254B-TPTR-ND	10,000	30.00/M
8	4.5	44	1N5255B-TPCT-ND	.75	6.00	45.00	1N5255B-TPTR-ND	10,000	30.00/M
0	4.2	49	1N5256B-TPCT-ND	.75	6.00	45.00	1N5256B-TPTR-ND	10,000	30.00/M
3	3.8	58	1N5257B-TPCT-ND	.75	6.00	45.00	1N5257B-TPTR-ND	10,000	30.00/M
6	3.4	70	1N5258B-TPCT-ND	.75	6.00	45.00	1N5258B-TPTR-ND	10,000	30.00/M
9	3.2	80	1N5259B-TPCT-ND	.75	6.00	45.00	1N5259B-TPTR-ND	10,000	30.00/M
3	3.0	93	1N5260B-TPCT-ND	1.00	8.00	60.00	1N5260B-TPTR-ND	10,000	40.00/M
7	2.7	105	1N5261B-TPCT-ND	1.00	8.00	60.00	1N5261B-TPTR-ND	10,000	40.00/M
1	2.5	125	1N5262B-TPCT-ND	1.00	8.00	60.00	1N5262B-TPTR-ND	10,000	40.00/M
5	2.2	150	1N5263B-TPCT-ND	1.00	8.00	60.00	1N5263B-TPTR-ND	10,000	40.00/M
0	2.1	170	1N5264B-TPCT-ND	1.00	8.00	60.00	1N5264B-TPTR-ND	10,000	40.00/M
2	2.0	185	1N5265B-TPCT-ND	1.00	8.00	60.00	1N5265B-TPTR-ND	10,000	40.00/M
3	1.8	230	1N5266B-TPCT-ND	1.00	8.00	60.00	1N5266B-TPTR-ND	10,000	40.00/M
5	1.7	270	1N5267B-TPCT-ND	1.00	8.00	60.00	1N5267B-TPTR-ND	10,000	40.00/M
			Fig. 2 – DO-41G, 1W						
3	76	10	1N4728A-TPCT-ND	1.00	8.00	60.00	1N4728A-TPTR-ND	5,000	40.00/M
6	69	10	1N4729A-TPCT-ND	1.00	8.00	60.00	1N4729A-TPTR-ND	5,000	40.00/M
9	64	9.0	1N4730A-TPCT-ND	1.00	8.00	60.00	1N4730A-TPTR-ND	5,000	40.00/M

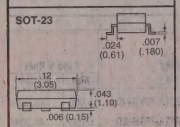
Zener Volt. V_Z (V)	Test Curr. I_{ZT} (mA)	Max. Dynamic Imp. Z_{ZT} @ I_{ZT} (Ω)	Digi-Key Part No	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing
4.3	58	9.0	1N4731A-TPCT-ND	1.00	8.00	60.00	1N4731A-TPTR-ND	5,000	40.00/M
4.7	53	8.0	1N4732A-TPCT-ND	1.00	8.00	60.00	1N4732A-TPTR-ND	5,000	40.00/M
5.1	49	7.0	1N4733A-TPCT-ND	1.00	8.00	60.00	1N4733A-TPTR-ND	5,000	40.00/M
5.6	45	5.0	1N4734A-TPCT-ND	1.00	8.00	60.00	1N4734A-TPTR-ND	5,000	40.00/M
6.2	41	2.0	1N4735A-TPCT-ND	1.00	8.00	60.00	1N4735A-TPTR-ND	5,000	40.00/M
6.8	37	3.5	1N4736A-TPCT-ND	1.00	8.00	60.00	1N4736A-TPTR-ND	5,000	40.00/M
7.5	34	4.0	1N4737A-TPCT-ND	1.00	8.00	60.00	1N4737A-TPTR-ND	5,000	40.00/M
8.2	31	4.5	1N4738A-TPCT-ND	1.00	8.00	60.00	1N4738A-TPTR-ND	5,000	40.00/M
9.1	28	5.0	1N4739A-TPCT-ND	1.00	8.00	60.00	1N4739A-TPTR-ND	5,000	40.00/M
10	25	7.0	1N4740A-TPCT-ND	1.00	8.00	60.00	1N4740A-TPTR-ND	5,000	40.00/M
11	23	8.0	1N4741A-TPCT-ND	1.00	8.00	60.00	1N4741A-TPTR-ND	5,000	40.00/M
12	21	9.0	1N4742A-TPCT-ND	1.00	8.00	60.00	1N4742A-TPTR-ND	5,000	40.00/M
13	19	10	1N4743A-TPCT-ND	1.00	8.00	60.00	1N4743A-TPTR-ND	5,000	40.00/M
15	17	14	1N4744A-TPCT-ND	1.00	8.00	60.00	1N4744A-TPTR-ND	5,000	40.00/M
16	15.5	16	1N4745A-TPCT-ND	1.00	8.00	60.00	1N4745A-TPTR-ND	5,000	40.00/M
18	14	20	1N4746A-TPCT-ND	1.00	8.00	60.00	1N4746A-TPTR-ND	5,000	40.00/M
20	12.5	22	1N4747A-TPCT-ND	1.00	8.00	60.00	1N4747A-TPTR-ND	5,000	40.00/M
22	11.5	23	1N4748A-TPCT-ND	1.00	8.00	60.00	1N4748A-TPTR-ND	5,000	40.00/M
24	10.5	25	1N4749A-TPCT-ND	1.00	8.00	60.00	1N4749A-TPTR-ND	5,000	40.00/M
27	9.5	35	1N4750A-TPCT-ND	1.00	8.00	60.00	1N4750A-TPTR-ND	5,000	40.00/M
30	8.5	40	1N4751A-TPCT-ND	1.00	8.00	60.00	1N4751A-TPTR-ND	5,000	40.00/M
33	7.5	45	1N4752A-TPCT-ND	1.00	8.00	60.00	1N4752A-TPTR-ND	5,000	40.00/M
36	7.0	50	1N4753A-TPCT-ND	1.00	8.00	60.00	1N4753A-TPTR-ND	5,000	40.00/M
39	6.5	60	1N4754A-TPCT-ND	1.00	8.00	60.00	1N4754A-TPTR-ND	5,000	40.00/M
43	6.0	70	1N4755A-TPCT-ND	1.75	14.00	105.00	1N4755A-TPTR-ND	5,000	70.00/M
47	5.5	80	1N4756A-TPCT-ND	1.75	14.00	105.00	1N4756A-TPTR-ND	5,000	70.00/M
51	5.0	95	1N4757A-TPCT-ND	1.75	14.00	105.00	1N4757A-TPTR-ND	5,000	70.00/M
56	4.5	110	1N4758A-TPCT-ND	1.75	14.00	105.00	1N4758A-TPTR-ND	5,000	70.00/M
62	4.0	125	1N4759A-TPCT-ND	1.75	14.00	105.00	1N4759A-TPTR-ND	5,000	70.00/M
68	3.7	150	1N4760A-TPCT-ND	1.75	14.00	105.00	1N4760A-TPTR-ND	5,000	70.00/M
75	3.3	175	1N4761A-TPCT-ND	1.75	14.00	105.00	1N4761A-TPTR-ND	5,000	70.00/M
			Fig. 3 – DO-214AC, 1W						
6.2	41	2.0	SMAJ4735A-TPCT-ND	2.75	22.00	165.00	SMAJ4735A-TPTR-ND	7,500	110.00/M
6.8	37	3.5	SMAJ4736A-TPCT-ND	2.75	22.00	165.00	SMAJ4736A-TPTR-ND	7,500	110.00/M
7.5	34	4.0	SMAJ4737A-TPCT-ND	2.75	22.00	165.00	SMAJ4737A-TPTR-ND	7,500	110.00/M
8.2	31	4.5	SMAJ4738A-TPCT-ND	2.75	22.00	165.00	SMAJ4738A-TPTR-ND	7,500	110.00/M
9.1	28	5.0	SMAJ4739A-TPCT-ND	2.75	22.00	165.00	SMAJ4739A-TPTR-ND	7,500	110.00/M
10	25	7.0	SMAJ4740A-TPCT-ND	2.75	22.00	165.00	SMAJ4740A-TPTR-ND	7,500	110.00/M
11	23	8.0	SMAJ4741A-TPCT-ND	2.75	22.00	165.00	SMAJ4741A-TPTR-ND	7,500	110.00/M
12	21	9.0	SMAJ4742A-TPCT-ND	2.75	22.00	165.00	SMAJ4742A-TPTR-ND	7,500	110.00/M
13	19	10	SMAJ4743A-TPCT-ND	2.75	22.00	165.00	SMAJ4743A-TPTR-ND	7,500	110.00/M
15	17	14	SMAJ4744A-TPCT-ND	2.75	22.00	165.00	SMAJ4744A-TPTR-ND	7,500	110.00/M
16	15.5	16	SMAJ4745A-TPCT-ND	2.75	22.00	165.00	SMAJ4745A-TPTR-ND	7,500	110.00/M
18	14	20	SMAJ4746A-TPCT-ND	2.75	22.00	165.00	SMAJ4746A-TPTR-ND	7,500	110.00/M
20	12.5	22	SMAJ4747A-TPCT-ND	2.75	22.00	165.00	SMAJ4747A-TPTR-ND	7,500	110.00/M
22	11.5	23	SMAJ4748A-TPCT-ND	2.75	22.00	165.00	SMAJ4748A-TPTR-ND	7,500	110.00/M
24	10.5	25	SMAJ4749A-TPCT-ND	2.75	22.00	165.00	SMAJ4749A-TPTR-ND	7,500	110.00/M
27	9.5	35	SMAJ4750A-TPCT-ND	2.75	22.00	165.00	SMAJ4750A-TPTR-ND	7,500	110.00/M
30	8.5	40	SMAJ4751A-TPCT-ND	2.75	22.00	165.00	SMAJ4751A-TPTR-ND	7,500	110.00/M
33	7.5	45	SMAJ4752A-TPCT-ND	2.75	22.00	165.00	SMAJ4752A-TPTR-ND	7,500	110.00/M
36	7.0	50	SMAJ4753A-TPCT-ND	2.75	22.00	165.00	SMAJ4753A-TPTR-ND	7,500	110.00/M
39	6.5	60	SMAJ4754A-TPCT-ND	2.75	22.00	165.00	SMAJ4754A-TPTR-ND	7,500	110.00/M

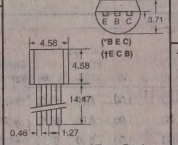
Transistors



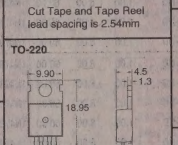


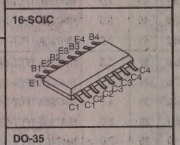


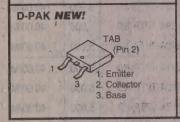


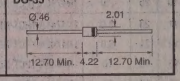


Cut Tape and Tape Reel lead spacing is 2.54mm









Vceo (V)	Ic (mA)	Min. HFE	Pkg.	Digi-Key Part No.	Pricing 1	25	100	Tape and Reel§ Size	Pricing
				NPN Transistors					
30	500	100	TO-92	2N3704-ND†	.21	3.94	11.38	—	—
40	200	40	TO-92	2N3904FS-ND	.11	2.03	5.85	—	—
40	200	30	TO-92	2N3904D26ZCT-ND	.19	3.60	10.40	2,000	24.30/M
30	200	25	TO-92	2N4123-ND	.11	2.09	6.05	—	—
25	200	60	TO-92	2N4124BU-ND	.11	2.14	6.18	—	—
40	600	20	TO-92	2N4400-ND	.12	2.23	6.44	—	—
40	600	20	TO-92	2N4401-ND	.12	2.23	6.44	—	—
40	600	20	TO-92	2N4401D26ZCT-ND	.16	2.97	8.58	2,000	26.73/M
40	600	20	TO-92	2N4401D75ZCT-ND◆	.16	2.97	8.58	2,000	26.73/M
80	200	60	TO-92	2N4410-ND	.24	4.50	13.00	—	—
30	100	300	TO-92	2N5088BU-ND	.11	2.14	6.18	—	—
25	100	400	TO-92	2N5089BU-ND	.11	2.03	5.85	—	—
25	100	200	TO-92	2N5210-ND	.11	2.03	5.85	—	—
140	600	20	TO-92	2N5550BU-ND	.12	2.27	6.57	—	—
15	200	20	TO-92	2N5769-ND	.23	4.25	12.29	—	—
15	50	20	TO-92	2N5770-ND	.24	4.46	12.87	—	—
15	300	15	TO-92	2N5772-ND	.22	4.05	11.70	—	—
100	200	60	TO-92	2N5830-ND	.24	4.46	12.87	—	—
60	100	100	TO-92	2N5961-ND	.23	4.28	12.35	—	—
100	1,500	1,000	TO-92	2N7052-ND	.32	6.25	17.60	—	—
50	800	100	SOT-23	BC81740MTFCT-ND	.37	6.96	19.29	3,000	26.00/M
65	100	110	SOT-23	BC846BCT-ND	.25	4.69	13.00	3,000	50.00/M
60	1,500	25	SOT-223	BCP55FSCT-ND	.45	9.14	25.06	2,500	118.32/M
40	1,000	35	SOT-23	MMBT2222AFSCT-ND	.15	2.88	8.32	3,000	30.08/M
40	200	30	SOT-23	MMBT3904FSCT-ND	.14	2.70	7.80	3,000	28.20/M
40	600	20	SOT-23	MMBT4401FSCT-ND	.14	2.68	7.74	3,000	27.97/M
30	100	300	SOT-23	MMBT5088CT-ND	.15	2.84	8.19	3,000	29.61/M
12	50	25	SOT-23	MMBT5179CT-ND	.18	3.33	9.62	3,000	34.78/M
40	1,200	10,000	SOT-23	MMBT6427FSCT-ND	.19	3.53	10.21	3,000	36.90/M
50	500	250	SOT-23	MMBT6428CT-ND	.15	2.84	8.19	3,000	29.61/M
80	500	100	SOT-23	MMBTA06FSCT-ND	.22	4.05	11.70	3,000	42.30/M
300	500	25	SOT-23	MMBTA42FSCT-ND	.23	4.32	12.48	3,000	45.12/M
25	50	60	SOT-23	MMBTH10FSCT-ND	.18	3.33	9.62	3,000	34.78/M
15	200	20	SOT-23	MMBT2369AGCT-ND0 **NEW!**	.14	2.70	7.80	3,000	28.20/M
15	200	60	SOT-23	KST10MTFCT-ND0 **NEW!**	.14	2.59	7.48	3,000	27.03/M
30	100	110	SOT-23	BC848CMTFCT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
30	1,200	4,000	SOT-23	BCV27CT-ND0 **NEW!**	.16	3.08	8.91	3,000	32.20/M
40	800	35	SOT-23	BSR14CT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
45	100	110	SOT-23	BC847BMTFCT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
45	100	110	SOT-23	BC847CMTFCT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
65	100	110	SOT-23	BC846BMTFCT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
160	600	30	SOT-23	MMBT5551FSCT-ND0 **NEW!**	.16	2.99	8.65	3,000	31.26/M
300	500	25	SOT-23	KST42MTFCT-ND0 **NEW!**	.16	3.08	8.91	3,000	32.20/M
25	100	150	TO-92	MPS2924-ND	.41	8.27	22.68	—	—
25	200	150	TO-92	MPS6515-ND	.23	4.32	12.48	—	—
80	500	100	TO-92	MPSA06-ND	.28	5.25	14.56	—	—
80	500	100	TO-92	MPSA06_D26ZTR-ND	—	—	—	2,000	61.60/M
20	1,200	20K	TO-92	MPSA12-ND	.28	5.22	15.08	—	—
30	1,200	5K	TO-92	MPSA13-ND	.28	5.22	15.08	—	—
30	1,200	10K	TO-92	MPSA14-ND	.28	5.22	15.08	—	—
45	100	400	TO-92	MPSA18-ND	.25	4.66	13.46	—	—
300	500	25	TO-92	MPSA42FS-ND	.29	5.45	15.73	—	—
300	500	25	TO-92	MPSA42_D26ZTR-ND	—	—	—	2,000	65.34/M
200	200	25	TO-92	MPSA43-ND	.29	5.42	15.03	—	—
40	500	60	TO-92	MPSH10FS-ND*	.32	5.91	16.38	—	—
45	100	80	TO-92	PN100RMCT-ND◆	.21	3.92	11.31	2,000	46.98/M
30	600	35	TO-92	PN2222BU-ND	.11	2.14	6.18	—	—
40	1,000	35	TO-92	PN2222AFS-ND	.11	2.14	6.18	—	—
40	1,000	35	TO-92	PN2222AD26ZCT-ND	.20	3.83	11.05	2,000	26.73/M
15	200	20	TO-92	PN2369-ND	.19	3.60	10.40	—	—
15	200	20	TO-92	PN2369A-ND	.19	3.60	10.40	—	—
60	100	20	TO-92	PN2484-ND	.22	4.12	11.90	—	—
25	500	150	TO-92	PN3563-ND	.21	3.92	11.31	—	—
30	600	80	TO-92	PN3566-ND	.21	3.87	11.18	—	—
40	600	40	TO-92	PN3567-ND	.21	3.87	11.18	—	—
40	500	100	TO-92	PN3569-ND	.21	3.87	11.18	—	—
15	200	18	TO-92	PN4275-ND	.19	3.60	10.40	—	—
25	200	15	TO-92	PN5135-ND	.32	6.25	17.60	—	—
40	1,000	35	SOT-223	PZT2222ACT-ND	.38	7.38	20.77	2,500	84.96/M
300	500	25	SOT-223	PZTA42CT-ND	.36	7.35	20.16	2,500	95.20/M
100	1,000	15	TO-220	TIP29CFS-ND	.54	10.17	30.51	—	—
100	3,000	10	TO-220	TIP31CFS-ND	.60	11.34	34.02	—	—
100	3,000	10	TO-220	TIP31CTU-ND	.60	11.34	34.02	—	—
100	6,000	15	TO-220	TIP41CTU-ND	.60	11.25	33.75	—	—
100	8,000	200	TO-220	TIP102TU-ND	.82	15.39	46.17	—	—
100	2,000	500	TO-220	TIP112TU-ND	.60	11.16	33.48	—	—
100	5,000	1,000	TO-220	TIP122FS-ND	.60	11.16	33.48	—	—
100	5,000	1,000	TO-220	TIP122TU-ND	.60	11.16	33.48	—	—
80	10,000	35	TO-220	KSE44H11TU-ND0 **NEW!**	.60	11.25	33.75	—	—
100	10,000	500	TO-3P	TIP142TU-ND	1.33	27.75	88.80	—	—
80	8,000	40	D-PAK	MJD44H11TMCT-ND0 **NEW!**	.56	10.50	31.50	2,500	182.00/M
100	8,000	1000	D-PAK	KSH122TFCT-ND0 **NEW!**	.50	9.30	27.90	2,000	164.92/M
80	1,500	25	TO-126	BD13916STU-ND0 **NEW!**	.42	8.53	23.40	—	—
				PNP Transistors					
40	200	15	TO-92	2N3905-ND	.12	2.27	6.57	—	—
40	200	30	TO-92	2N3906FS-ND	.11	2.09	6.05	—	—
40	200	30	TO-92	2N3906D26ZCT-ND	.17	3.24	9.36	2,000	25.11/M
30	200	25	TO-92	2N4125-ND	.11	2.14	6.18	—	—
25	200	60	TO-92	2N4126-ND	.11	2.14	6.18	—	—
40	600	30	TO-92	2N4402-ND	.13	2.36	6.83	—	—
40	600	20	TO-92	2N4403-ND	.13	2.36	6.83	—	—
40	600	20	TO-92	2N4403D26ZCT-ND	.16	2.97	8.58	2,000	28.62/M
50	100	250	TO-92	2N5087-ND	.11	2.14	6.18	—	—
120	600	30	TO-92	2N5400-ND	.24	4.46	12.87	—	—
150	600	30	TO-92	2N5401-ND	.13	2.41	6.96	—	—
15	200	20	TO-92	2N5771-ND	1.35	28.13	90.00	—	—
30	1,000	40	Super-SOT-3	FMMT549FSCT-ND	.38	7.20	19.97	3,000	66.00/M
30	2,000								
30	1,200	10K	SOT-23	MMBTA64FSCT-ND	.18	3.38	9.75	3,000	35.25/M
60	800	50	SOT-23	MMBT2907AFSCT-ND	.14	2.59	7.48	3,000	27.03/M
50	100	250	SOT-23	MMBT5087CT-ND	.17	3.15	9.10	3,000	32.90/M
40	600	20	SOT-23	MMBT4403FSCT-ND	.15	2.88	8.32	3,000	30.08/M
40	200	30	SOT-23	MMBT3906FSCT-ND	.15	2.77	8.00	3,000	28.91/M
25	200	60	SOT-23	MMBT4126FSCT-ND	.15	2.79	8.06	3,000	29.14/M
80	500	100	SOT-23	MMBTA56FSCT-ND	.18	3.38	9.75	3,000	35.25/M
300	500	25	SOT-23	MMBTA92FSCT-ND	.29	5.40	15.60	3,000	49.35/M
20	50	60	SOT-23	MMBTH81CT-ND	.17	3.20	9.23	3,000	33.37/M
12	200	20	SOT-23	MMBT3640CT-ND0 **NEW!**	.56	10.50	31.50	3,000	182.00/M
45	800	100	SOT-23	BC80725MTFCT-ND0 **NEW!**	.16	2.93	8.45	3,000	30.55/M
45	800	100	SOT-23	BC80740MTFCT-ND0 **NEW!**	.16	2.93	8.45	3,000	30.55/M
60	800	75	SOT-23	BSR16CT-ND0 **NEW!**	.13	2.48	7.15	3,000	25.85/M
150	600	50	SOT-23	MMBT5401FSCT-ND0 **NEW!**	.16	2.95	8.52	3,000	30.79/M
300	500	25	SOT-23	KST92MTFCT-ND0 **NEW!**	.18	3.38	9.75	3,000	35.25/M
60	500	100	TO-92	MPSA05-ND	.28	5.25	14.56	—	—
80	500	100	TO-92	MPSA56-ND	.24	4.59	13.26	—	—
30	1,200	5,000	TO-92	MPSA63-ND	.26	4.79	13.85	—	—
300	500	25	TO-92	MPSA92FS-ND	.29	5.61	15.55	—	—
200	500	25	TO-92	MPSA93FS-ND	.29	5.42	15.03	—	—
100	200	40	TO-92	MPSL51-ND	.25	4.61	13.33	—	—
40	800	30	TO-92	PN2907-ND	.14	2.70	7.80	—	—
60	800	10	TO-92	PN2907ABUFS-ND	.12	2.25	6.50	—	—
50	50	30	TO-92	PN3251-ND	.39	7.88	21.60	—	—
25	800	20	TO-92	PN3638A-ND	.22	4.10	11.83	—	—
12	200	20	TO-92	PN3640-ND	.55	11.00	33.00	—	—
40	200	30	TO-92	PN4122-ND	.21	3.87	11.18	—	—
40	500	100	TO-92	PN4249-ND	.23	4.28	12.35	—	—
40	500	250	TO-92	PN4250-ND	.23	4.28	12.35	—	—
60	500	250	TO-92	PN4250A-ND	.23	4.28	12.35	—	—
30	200	30	TO-92	PN4917-ND	.21	3.87	11.18	—	—
10	500	15	TO-92	PN5134-ND	.19	3.60	10.40	—	—
30	500	50	TO-92	PN5138-ND	.23	4.28	12.35	—	—
20	50	15	TO-92	PN5142-ND	.42	8.13	22.88	—	—
100	3,000	10	TO-220	TIP32CFS-ND	.60	11.34	34.02	—	—
100	3,000	10	TO-220	TIP32CTU-ND	.60	11.34	34.02	—	—
100	8,000	2	TO-220	TIP107TU-ND	.86	16.20	48.60	—	—
60	5,000	1,000	TO-220	TIP125TU-ND	.63	11.79	35.37	—	—
100	5,000	1,000	TO-220	TIP127FS-ND	.63	11.79	35.37	—	—
100	5,000	1,000	TO-220	TIP127TU-ND	.63	11.79	35.37	—	—
100	6,000	15	TO-220	TIP42CTU-ND0 **NEW!**	.52	9.75	29.25	—	—
100	1,000	500	TO-3P	TIP147TU-ND	1.31	27.38	87.60	—	—
80	8,000	40	D-PAK	MJD45H11TFCT-ND0 **NEW!**	.58	10.88	32.63	2,000	200.83/M
80	8,000	40	D-PAK	MJD45H11TMCT-ND0 **NEW!**	.58	10.88	32.63	2,500	196.30/M
80	1,500	25	TO-126	BD14016STU-ND0 **NEW!**	.44	8.93	24.48	—	—

Description	Pkg	Digi-Key Part No.	Pricing 1	25	100
N-Channel J-FET Transistors					
GP Amp	TO-92	2N5457FS-ND	.31	5.89	16.33
VHF Amp & Mixer	TO-92	MPF102-ND	.27	4.97	13.78
Transistor Arrays					
IC, Amp, Multichip, GP, NPN	16-SOIC	MMPQ2222ACT-ND	1.06	22.00	70.40
IC, Amp, Multichip, GP, NPN	16-SOIC	MMPQ2222ATR-ND		1144.00/2,500	
IC, Amp, Multichip, GP, PNP	16-SOIC	MMPQ2907ACT-ND	1.01	21.06	67.40
IC, Amp, Multichip, GP, PNP	16-SOIC	MMPQ2907ATR-ND		1095.25/2,500	

† * See drawings above for pin layout. § For Tape and Reel part number, change the CT-ND to TR-ND
◆ Tape and Box, for Tape and Box change CT-ND to TB-ND ◊ ***RoHS Compliant***

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ner Volt. V_R (V)	I_R (µA)	Pkg.	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape and Reel§ Size	Pricing
5.6	5.0	DO-35	1N5232BFSCT-ND	.11	.81	5.85	5,000	18.00/M
5.1	1.0	DO-35	1N751ACT-ND	.12	.92	6.63	5,000	18.00/M
20.0	0.05	SOT-23	BZX84C20FSCT-ND	.15	1.13	8.13	3,000	29.38/M
5.1	2.0	SOT-23	BZX84C5V1FSCT-ND	.13	.99	7.15	3,000	25.85/M
12.0	1.0	SOT-23	MMBZ5242BFSCT-ND	.17	1.28	9.23	3,000	33.37/M
8.0	0.10	SOT-23	BZX84C12FSCT-ND◊ ***NEW!***	.15	1.13	8.13	3,000	29.38/M

Zener Volt. V_R (V)	I_R (µA)	Pkg.	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape and Reel§ Size	Pricing
10.5	0.05	SOT-23	BZX84C15FSCT-ND◊ ***NEW!***	.15	1.13	8.13	3,000	29.38/M
2.0	3.00	SOT-23	BZX84C4V7FSCT-ND◊ ***NEW!***	.13	.99	7.15	3,000	25.85/M
2.0	1.00	SOT-23	BZX84C5V6FSCT-ND◊ ***NEW!***	.13	.99	7.15	3,000	25.85/M
4.0	3.00	SOT-23	BZX84C6V2FSCT-ND◊ ***NEW!***	.13	.95	6.83	3,000	24.68/M
6.0	0.50	SOT-23	BZX84C9V1FSCT-ND◊ ***NEW!***	.15	1.16	8.39	3,000	30.32/M

§ For Tape and Reel part number, change the CT-ND to TR-ND ◊ ***RoHS Compliant***

EW! Transient Voltage Suppressors

RoHS COMPLIANT

VM	V_{BR} (V) Minimum	Maximum	I_T (mA)	Digi-Key Part No.	Price Each 1	25	100	Tape and Reel§ Size	Pricing
				SMB — DO-214AA					
3	36.7	40.6	1	SMBJ33AFSCT-ND	.43	.34	.24	3,000	98.60/M
				SMC — DO-214AB					
3	36.7	40.6	1	SMBJ33CAFSCT-ND	.44	.36	.25	3,000	122.40/M
3	40	44.2	1	SMCJ36CAFSCT-ND	.49	.37	.28	3,000	163.80/M

Tape and Reel part number, change the CT-ND to TR-ND

NEW! Bridge Rectifiers

RoHS COMPLIANT

Fig. 1

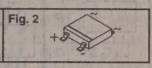
Fig. 2 

Fig.	Maximum Reverse Voltage (V)	Maximum Average Rectified Current	Pkg.	Digi-Key Part No.	Pricing 1	25	100	Tape and Reel§ Size	Pricing
1	100	1.5A	DIP	DF01M-ND	.49	9.84	27.00	—	—
	400	1.5A	DIP	DF04M-ND	.48	9.71	26.64	—	—
2	100	1.5A	SDIP	DF01SCT-ND	.49	9.84	27.00	1,500	202.50
	400	1.5A	SDIP	DF04SCT-ND	.49	9.84	27.00	1,500	202.50
	1,000	1.5A	SDIP	DF10SCT-ND	.48	9.60	28.80	1,500	201.60

§ For Tape and Reel part number, change the CT-ND to TR-ND

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Dim in mm

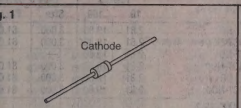
g. 1 

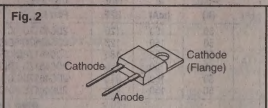
Fig. 2 

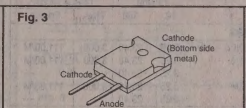
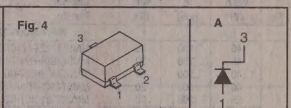
Fig. 3 

Fig. 4 

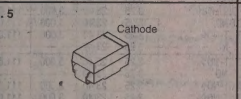
.5 

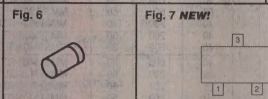
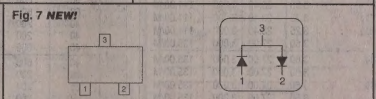
Fig. 6 

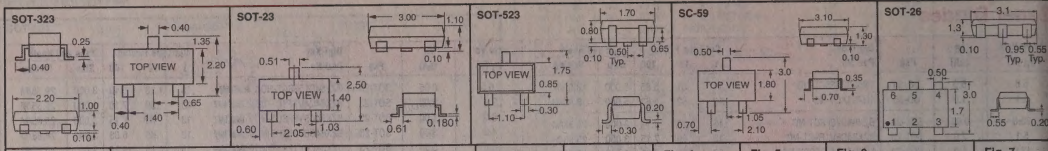
Fig. 7 ***NEW!*** 

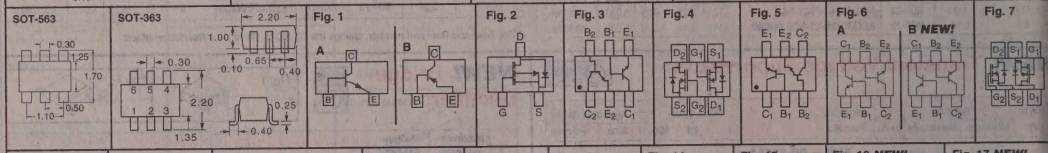
Maximum Reverse Voltage (V)	Maximum Average Rectified Current	Pkg.	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel§ Size	Pricing
100	200mA	DO-35	1N914BCT-ND	.05	.41	2.93	10,000	7.65/M
100	200mA	DO-35	1N914CT-ND	.05	.41	2.93	10,000	7.65/M
150	200mA	DO-35	1N3595CT-ND	.13	.95	6.83	10,000	17.85/M
100	200mA	DO-35	1N4448CT-ND	.06	.45	3.25	10,000	8.84/M
50	200mA	DO-35	1N4454CT-ND	.06	.45	3.25	10,000	8.84/M
100	200mA	DO-35	1N4148FS-ND‡	.05	.34	2.47	10,000	6.46/M
40	1.0A	DO-41	1N5819FSCT-ND◊ ***NEW!***	.38	2.84	19.66	5,000	68.04/M
1,000	1.0A	DO-41	1N4007FSCT-ND◊ ***NEW!***	.11	.86	6.18	5,000	19.00/M
1,000	1.0A	DO-41	UF4007CT-ND◊ ***NEW!***	.33	2.45	16.95	5,000	58.68/M
600	8A	TO-220AC	ISL9R860P2-ND‡◊ ***NEW!***	.95	7.88	63.00	—	—
600	8A	TO-220AC	RHRP860-ND‡◊ ***NEW!***	.93	7.78	62.20	—	—
600	8A	TO-220AC	RURP860-ND‡	1.11	9.27	74.16	—	—
1,000	8A	TO-220AC	RURP8100-ND‡	1.20	9.96	79.68	—	—
1,200	8A	TO-220AC	RHRP8120-ND‡◊ ***NEW!***	1.02	8.53	68.20	—	—
600	15A	TO-220AC	ISL9R1560P2-ND‡◊ ***NEW!***	1.32	10.54	79.07	—	—
600	15A	TO-220AC	RHRP1560-ND‡◊ ***NEW!***	1.41	11.78	94.20	—	—
600	15A	TO-220AC	RURP1560-ND‡	1.58	12.67	95.04	—	—
600	30A	TO-220AC	ISL9R3060P2-ND‡◊ ***NEW!***	2.61	20.87	162.29	—	—
600	30A	TO-220AC	RURP3060-ND‡	2.14	17.14	128.52	—	—
1,200	30A	TO-220AC	RHRP30120-ND‡◊ ***NEW!***	1.95	15.56	116.70	—	—
200	30A	TO-247	RURG3020CC-ND‡	3.86	30.84	239.90	—	—
600	30A	TO-247	ISL9R3060G2-ND‡◊ ***NEW!***	2.85	22.78	177.14	—	—
600	30A	TO-247	RHRG3060-ND‡◊ ***NEW!***	2.36	18.90	141.75	—	—
600	30A	TO-247	RURG3060CC-ND‡	4.38	35.06	272.66	—	—
600	30A	TO-247	RURG3060-ND‡	2.38	19.05	148.18	—	—
1,200	30A	TO-247	RHRG30120-ND‡◊ ***NEW!***	2.32	18.52	144.06	—	—
600	50A	TO-247	RURG5060-ND‡	3.97	31.75	246.96	—	—
600	80A	TO-247	RURG8060-ND‡	5.20	41.61	351.05	—	—
1,000	80A	TO-247	RURG80100-ND‡	5.44	43.55	338.69	—	—
30	200mA	SOT-23	BAR43SCT-ND◊ ***NEW!***	.19	1.44	10.40	3,000	37.60/M
30	200mA	SOT-23	BAT54CFSCT-ND	.13	.99	7.15	3,000	25.85/M
30	200mA	SOT-23	BAT54FSCT-ND	.12	.90	6.50	3,000	23.50/M
30	200mA	SOT-23	BAT54SFSCT-ND	.13	.99	7.15	3,000	25.85/M
50	200mA	SOT-23	BAV74FSCT-ND	.15	1.12	8.06	3,000	29.14/M

Fig.	Maximum Reverse Voltage (V)	Maximum Average Rectified Current	Pkg.	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel§ Size	Pricing
4C	70	200mA	SOT-23	BAV70FSCT-ND	.15	1.12	8.06	3,000	29.14/M
4D	70	200mA	SOT-23	BAV99FSCT-ND	.15	1.12	8.06	3,000	29.14/M
4A	85	200mA	SOT-23	BAS16FSCT-ND	.13	.99	7.15	3,000	25.85/M
4B	85	200mA	SOT-23	BAW56FSCT-ND◊ ***NEW!***	.14	1.08	7.80	3,000	28.20/M
4D	100	200mA	SOT-23	MMBD1203CT-ND	.16	1.22	8.78	3,000	31.73/M
4C	100	200mA	SOT-23	MMBD1204CT-ND	.17	1.26	9.10	3,000	32.90/M
4C	100	200mA	SOT-23	MMBD4148CCCT-ND	.20	1.51	10.92	3,000	35.25/M
4A	100	200mA	SOT-23	MMBD4148FSCT-ND	.18	1.35	9.75	3,000	35.25/M
4D	100	200mA	SOT-23	MMBD4148SECT-ND◊ ***NEW!***	.17	1.26	9.10	3,000	35.25/M
4D	100	200mA	SOT-23	MMBD7000FSCT-ND	.16	1.18	8.52	3,000	30.79/M
4A	100	200mA	SOT-23	MMBD914FSCT-ND	.13	.99	7.15	3,000	25.85/M
4D	120	200mA	SOT-23	BAS31FSCT-ND◊ ***NEW!***	.15	1.10	7.93	3,000	35.25/M
4D	200	200mA	SOT-23	MMBD1403CT-ND◊ ***NEW!***	.17	1.31	9.43	3,000	34.08/M
4D	200	200mA	SOT-23	MMBD1503ACT-ND	.19	1.42	10.27	3,000	37.13/M
4D	200	200mA	SOT-23	MMBD1504ACT-ND◊ ***NEW!***	.19	1.42	10.27	3,000	37.13/M
4B	200	200mA	SOT-23	MMBD1505ACT-ND◊ ***NEW!***	.19	1.42	10.27	3,000	37.13/M
4A	250	200mA	SOT-23	BAS21FSCT-ND	.13	.99	7.15	3,000	25.85/M
4D	250	200mA	SOT-23	BAV23SFSCT-ND◊ ***NEW!***	.18	1.34	9.69	3,000	35.02/M
5	20	500mA	SOD-123	MBR0520LCT-ND	.30	2.25	15.60	3,000	52.00/M
	40	1.0A	DO-214AC	SS14CT-ND◊ ***NEW!***	.36	2.89	19.80	7,500	88.00/M
	50	1.0A	DO-214AC	S1AFSCT-ND◊ ***NEW!***	.26	1.98	14.30	7,500	44.00/M
	100	1.0A	DO-214AC	S1BFSCT-ND◊ ***NEW!***	.26	1.98	14.30	7,500	44.00/M
	200	1.0A	DO-214AC	ES1DFSCT-ND	.39	2.90	20.07	7,500	69.48/M
	400	1.0A	DO-214AC	S1GFSCT-ND◊ ***NEW!***	.26	1.98	14.30	7,500	44.00/M
	1,000	1.0A	DO-214AC	S1MFSCT-ND◊ ***NEW!***	.29	2.16	15.60	7,500	48.00/M
	30	2.0A	DO-214AA	SS23CT-ND◊ ***NEW!***	.51	4.15	28.44	3,000	134.30/M
	60	2.0A	DO-214AA	SS26FSCT-ND◊ ***NEW!***	.45	3.56	26.70	3,000	120.15/M
	200	2.0A	DO-214AA	ES2DFSCT-ND	.42	3.31	23.32	3,000	95.40/M
	40	3.0A	DO-214AB	MBRS340FSCT-ND◊ ***NEW!***	.52	3.93	29.48	3,000	170.30/M
	200	3.0A	DO-214AB	ES3DFSCT-ND	.42	3.36	25.20	3,000	113.40/M
6	100	200mA	LL-34	FDLL4148CT-ND	.08	.59	4.23	2,500	15.28/M
	150	200mA	LL-34	FDLL300CT-ND◊ ***NEW!***	.17	1.26	9.10	2,500	32.90/M
7	100	250mA	TO-236AB	FLLD261FSCT-ND◊ ***NEW!***	.22	1.67	12.09	3,000	43.71/M

§ For Tape and Reel part number, change CT-ND to TR-ND. ‡ Bulk ◊ ***RoHS Compliant***

Dim in mm





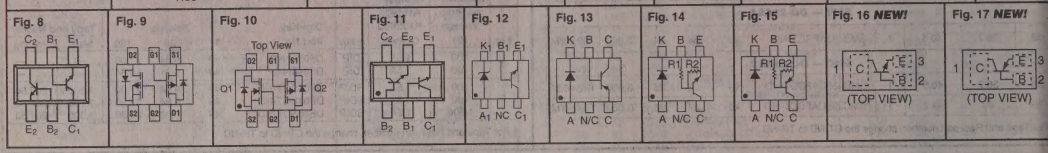


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Fig.	V_{CEO} (V)	I_C (mA)	Min. HFE	Digi-Key Part No.	Cut Tape Pricing 10	100	Tape & Reel§ Size	Pricing
				NPN SOT-323				
	40	600	35	MMST2222A-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	40	200	30	MMST3904-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	40	600	20	MMST4401DICT-ND	3.25	23.40	—	—
	40	600	20	MMST4401-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	25	200	60	MMST4124DICT-ND	3.25	23.40	—	—
	25	200	60	MMST4124-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	160	200	30	MMST5551DICT-ND	3.25	23.40	3,000	111.00/M
	160	200	30	MMST5551-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	40	500	14K	MMST6427-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	50	500	100	MMSTA05DICT-ND	3.60	27.00	3,000	135.00/M
1A	60	500	100	MMSTA05-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	80	500	100	MMSTA06DICT-ND	3.60	27.00	3,000	135.00/M
	80	500	100	MMSTA06-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	30	300	10K	MMSTA13DICT-ND	3.60	27.00	3,000	135.00/M
	30	300	10K	MMSTA13-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	30	300	20K	MMSTA14DICT-ND	3.60	27.00	3,000	135.00/M
	30	300	20K	MMSTA14-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	300	200	25	MMSTA42-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	45	500	60	BC817-16WDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	100	BC817-25WDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	170	BC817-40WDICT-ND◊	3.00	20.80	3,000	80.00/M
				NPN SOT-23				
	40	600	100	MMBT2222ADICT-ND	2.63	18.20	3,000	70.00/M
	40	600	100	MMBT2222A-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	40	200	100	MMBT3904-FDICT-ND◊	2.25	15.60	3,000	60.00/M
	40	600	100	MMBT4401-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	60	100	50	MMBTA05DICT-ND	3.63	25.52	—	—
	60	100	50	MMBTA05-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	80	100	50	MMBTA06DICT-ND	3.63	25.52	3,000	104.00/M
	80	100	50	MMBTA06-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	30	100	10K	MMBTA13DICT-ND	3.63	25.52	—	—
	30	100	10K	MMBTA13-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	30	100	20K	MMBTA14-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	18	1000	150	MMBT123SDICT-ND	3.00	21.60	3,000	102.00/M
	18	1000	150	MMBT123S-FDICT-ND◊	3.00	21.60	3,000	102.00/M
	25	200	60	MMBT4124-FDICT-ND◊	2.63	18.20	3,000	70.00/M
1A	40	500	10K	MMBT6427DICT-ND	3.63	25.52	3,000	104.00/M
	40	500	10K	MMBT6427-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	300	200	25	MMBTA42-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	25	50	30	MMBTH10DICT-ND	4.00	28.80	3,000	136.00/M
	25	50	30	MMBTH10-FDICT-ND◊	4.00	28.80	3,000	136.00/M
	40	50	60	MMBTH24DICT-ND	4.00	28.80	—	—
	40	50	60	MMBTH24-FDICT-ND◊	4.00	28.80	3,000	136.00/M
	80	500	80	MMBTA28DICT-ND	3.63	25.52	3,000	104.00/M
	80	500	80	MMBTA28-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	45	800	100	BC817-16DICT-ND	3.00	20.80	—	—
	45	800	100	BC817-16-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	800	100	BC817-25-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	800	170	BC817-40-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	350	500	30	DN350T05DICT-ND◊ ***NEW!***	3.00	21.12	3,000	86.00/M
	60	1000	100	DNBT8105DICT-ND◊ ***NEW!***	3.00	21.12	3,000	86.00/M
				NPN SOT-523				
	40	600	35	MMBT2222ATDICT-ND	2.63	18.20	3,000	70.00/M
	40	600	35	MMBT2222AT-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	40	200	30	MMBT3904T-FDICT-ND◊	2.25	15.60	3,000	60.00/M
1A	40	600	20	MMBT4401TDICT-ND	2.63	18.20	—	—
	40	600	20	MMBT4401T-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	50	100	110	BC847ATDICT-ND	2.25	15.60	3,000	60.00/M
	50	100	110	BC847AT-FDICT-ND◊	2.25	15.60	3,000	60.00/M
	50	100	200	BC847BT-FDICT-ND◊	2.25	15.60	3,000	60.00/M

Fig.	V_{CEO} (V)	I_C (mA)	Min. HFE	Digi-Key Part No.	Cut Tape Pricing 10	100	Tape & Reel§ Size	Pricing
	50	150	120	2DC4617QDICT-ND	2.81	19.80	3,000	81.00/M
	50	150	120	2DC4617Q-FDICT-ND◊	2.81	19.80	3,000	81.00/M
	50	150	180	2DC4617RDICT-ND	2.81	19.80	—	—
1A	50	150	180	2DC4617R-FDICT-ND◊	2.81	19.80	3,000	81.00/M
	50	150	270	2DC4617SDICT-ND	2.81	19.80	3,000	81.00/M
	50	150	270	2DC4617S-FDICT-ND◊	2.81	19.80	3,000	81.00/M
				PNP SOT-323				
	60	600	50	MMST2907ADICT-ND	3.25	23.40	—	—
	60	600	50	MMST2907A-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	40	200	30	MMST3906DICT-ND	3.25	23.40	3,000	111.00/M
	40	200	30	MMST3906-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	40	600	30	MMST4403DICT-ND	3.25	23.40	—	—
	40	600	30	MMST4403-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	25	200	60	MMST4126DICT-ND	3.25	23.40	—	—
	25	200	60	MMST4126-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	150	200	50	MMST5401-FDICT-ND◊	3.25	23.40	3,000	111.00/M
	60	500	100	MMSTA55DICT-ND	3.60	27.00	3,000	135.00/M
1A	60	500	100	MMSTA55-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	80	500	100	MMSTA56DICT-ND	3.60	27.00	3,000	135.00/M
	80	500	100	MMSTA56-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	30	500	10K	MMSTA63DICT-ND	3.60	27.00	3,000	135.00/M
	30	500	10K	MMSTA63-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	30	500	20K	MMSTA64DICT-ND	3.60	27.00	3,000	135.00/M
	30	500	20K	MMSTA64-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	300	100	25	MMSTA92DICT-ND	3.60	27.00	3,000	135.00/M
	300	100	25	MMSTA92-FDICT-ND◊	3.60	27.00	3,000	135.00/M
	45	500	60	BC807-16WDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	100	BC807-25WDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	170	BC807-40WDICT-ND◊	3.00	20.80	3,000	80.00/M
				PNP SOT-23				
	40	600	100	MMBT4403-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	60	100	50	MMBTA55DICT-ND	3.63	25.52	3,000	104.00/M
	60	100	50	MMBTA55-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	80	100	50	MMBTA56DICT-ND	3.63	25.52	3,000	104.00/M
	80	100	50	MMBTA56-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	60	150	300	MMBT2907ADICT-ND	2.63	18.20	3,000	70.00/M
	60	150	300	MMBT2907A-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	45	500	60	BC807-16-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	100	BC807-25-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	45	500	170	BC807-40-FCT-ND◊	3.00	20.80	3,000	80.00/M
	25	200	60	MMBT4126DICT-ND	2.63	18.20	3,000	70.00/M
1B	25	200	60	MMBT4126-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	40	200	30	MMBT3906DICT-ND	2.25	15.60	—	—
	40	200	30	MMBT3906-FDICT-ND◊	2.25	15.60	3,000	60.00/M
	30	500	10K	MMBTA63DICT-ND	3.63	25.52	3,000	104.00/M
	30	500	10K	MMBTA63-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	30	500	20K	MMBTA64DICT-ND	3.63	25.52	3,000	104.00/M
	30	500	20K	MMBTA64-FDICT-ND◊	3.63	25.52	3,000	104.00/M
	150	200	50	MMBT5401-FDICT-ND◊	3.00	20.80	3,000	80.00/M
	300	500	25	MMBTA92DICT-ND	3.63	25.52	—	—
	300	500	25	MMBTA92-FDICT-ND◊	3.63	25.52	—	—
				PNP SOT-523				
	60	600	50	MMBT2907ATDICT-ND	2.63	18.20	3,000	70.00/M
	60	600	50	MMBT2907AT-FDICT-ND◊	2.63	18.20	3,000	70.00/M
	50	150	120	2DA1774QDICT-ND	2.81	19.80	3,000	81.00/M
	50	150	180	2DA1774RDICT-ND	2.81	19.80	3,000	81.00/M
	50	150	180	2DA1774R-FDICT-ND◊	2.81	19.80	3,000	81.00/M
1B	50	150	270	2DA1774SDICT-ND	2.81	19.80	—	—
	50	150	270	2DA1774S-FDICT-ND◊	2.81	19.80	3,000	81.00/M
	40	200	30	MMBT3906TDICT-ND	2.25	15.60	3,000	60.00/M
	40	200	30	MMBT3906T-FDICT-ND◊	2.25	15.60	3,000	60.00/M
	40	600	20	MMBT4403TDICT-ND	2.63	18.20	—	—
	40	600	20	MMBT4403T-FDICT-ND◊	2.63	18.20	3,000	70.00/M

▲ Intrinsically Matched NPN Pair † Intrinsically Matched PNP Pair § For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant*** (Continu

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V_{CEO} (V)	I_C (mA)	Min. HFE	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Tape & Reel§ Size	Tape & Reel§ Pricing
50	100	125	BC857AT-FDICT-ND◊	2.25	15.60	3,000	60.00/M
50	100	220	BC857BT-FDICT-ND◊	2.25	15.60	3,000	60.00/M
			Dual NPN SOT-26				
120	50	180	IMX8DICT-ND	3.50	25.20	3,000	119.00/M
120	50	180	IMX8-FDICT-ND◊	3.50	25.20	3,000	119.00/M
160	200	30	DMMT5551-FDICT-ND▲◊	4.00	30.00	3,000	150.00/M
			Dual NPN SOT-363				
40	600	100	MMDT4401DICT-ND	4.00	30.00	—	—
40	600	100	MMDT4401-FDICT-ND◊	4.00	30.00	3,000	150.00/M
40	600	35	MMDT2222A-FDICT-ND◊	4.00	28.80	3,000	136.00/M
40	200	30	MMDT3904-FDICT-ND◊	4.00	28.80	3,000	136.00/M
25	200	60	MMDT4124-FDICT-ND◊	4.00	30.00	3,000	150.00/M
160	200	30	MMDT5551DICT-ND	4.00	30.00	—	—
160	200	30	MMDT5551-FDICT-ND◊	4.00	30.00	3,000	150.00/M
40	200	100	DMMT3904W-FDICT-ND▲◊	4.00	30.00	3,000	150.00/M
			Dual NPN SOT-563				
40	600	35	MMDT2222VDICT-ND◊ ***NEW!***	4.00	28.80	3,000	136.00/M
40	200	100	MMDT3904VDICT-ND	4.00	28.80	3,000	136.00/M
45	100	200	BC8478VDICT-ND	4.00	28.80	3,000	136.00/M
45/45	100/100	200/220	BC847BVNDICT-ND◊ ***NEW!***	3.80	28.50	3,000	143.00/M
			NEW!, Dual PNP SOT-563 NEW!				
60	600	50	MMDT2907VDICT-ND◊	4.00	28.80	3,000	136.00/M
			Dual PNP SOT-363				
60	600	75	MMDT2907A-FDICT-ND◊	4.00	28.80	3,000	136.00/M
40	200	60	MMDT3906DICT-ND	4.00	28.80	3,000	136.00/M
40	200	60	MMDT3906-FDICT-ND◊	4.00	28.80	3,000	136.00/M
40	600	100	MMDT4403DICT-ND	4.00	30.00	—	—
40	600	100	MMDT4403-FDICT-ND◊	4.00	30.00	3,000	150.00/M
25	200	60	MMDT4126DICT-ND	4.00	30.00	3,000	150.00/M
25	200	60	MMDT4126-FDICT-ND◊	4.00	30.00	3,000	150.00/M
150	200	50	MMDT5401-FDICT-ND◊	4.00	30.00	3,000	150.00/M
40	200	30	DMMT3906W-FDICT-ND†◊	4.00	30.00	3,000	150.00/M
			Dual PNP SOT-26				
150	200	50	DMMT5401-FDICT-ND†◊	4.00	30.00	3,000	150.00/M
			Complementary NPN/PNP SOT-363				
40/60	600/600	35/50	MMDT2227DICT-ND	4.00	28.80	—	—
40/60	600/600	35/50	MMDT2227-FDICT-ND◊	4.00	28.80	3,000	136.00/M
40/40	600/600	20/30	MMDT4413DICT-ND	4.00	30.00	—	—
40/40	600/600	20/30	MMDT4413-FDIC T-ND◊	4.00	30.00	3,000	150.00/M
40/40	200/200	60/60	MMDT4146DICT-ND	4.00	30.00	3,000	150.00/M
40/40	200/200	60/60	MMDT4146-FDICT-ND◊	4.00	30.00	3,000	150.00/M
160/160	200/200	30/50	MMDT5451-FDICT-ND◊	4.00	30.00	3,000	150.00/M
40/40	200/200	40/60	MMDT3946-FDICT-ND◊	4.00	28.80	3,000	136.00/M
			NPN/P-Channel Complex Array SOT-363				
60	600	100	CTA2N1PDICT-ND	4.80	36.00	3,000	200.00/M
60	600	100	CTA2N1P-FDICT-ND◊	5.40	40.50	3,000	214.00/M
			PNP/N-Channel Complex Array SOT-363				
40	600	100	CTA2P1NDICT-ND	5.40	40.50	3,000	214.00/M
40	600	100	CTA2P1N-FDICT-ND◊	5.40	40.50	3,000	214.00/M
			Complex Transistor/Diode Array SOT-363				
Array for Relay Driver		150	DRDN010WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		100	DRDN005WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Volt. Reg.		150	DVR1V8WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Volt. Reg.		150	DVR2V5WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Volt. Reg.		150	DVR3V3WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Volt. Reg.		150	DVR5V0WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		100	DRDP006WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		56	DRDNB16WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		47	DRDNB26WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		56	DRDP616WDICT-ND◊	4.00	30.00	3,000	150.00/M
Array for Relay Driver		47	DRDP626WDICT-ND◊	4.00	30.00	3,000	150.00/M
45	100	200	BC847BLPDICT-ND◊ ***NEW!***	3.38	23.76	3,000	97.00/M
45	100	220	BC857BLPDICT-ND◊ ***NEW!***	3.38	23.76	3,000	97.00/M

r Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***
trinsically Matched NPN Pair † Intrinsically Matched PNP Pair

OSFETs

	V_{DS} (V)	I_D (A)	RDS (on) (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Tape & Reel§ Size	Tape & Reel§ Pricing
				N-Channel SOT-23				
	60	0.115	3.2	2N7002-FDICT-ND◊	4.00	30.00	3,000	150.00/M
	60	0.250	3.5	BS870DICT-ND	4.00	30.00	—	—
	60	0.250	3.5	BS870-FDICT-ND◊	4.00	30.00	3,000	150.00/M
	50	0.200	1.4	BSS138-FDICT-ND◊	4.00	30.00	3,000	150.00/M
A	60	0.500	5.0	MMBF170DICT-ND	3.00	21.60	—	—
	60	0.500	5.0	MMBF170-FDICT-ND◊	3.00	21.60	3,000	102.00/M
	60	0.300	2.0	DMN601KDICT-ND◊	4.00	28.80	3,000	136.00/M
	100	0.170	6.0	BSS123DICT-ND	4.20	31.50	—	—
	100	0.170	6.0	BSS123-FDICT-ND◊	4.20	31.50	3,000	158.00/M
				N-Channel SC-59				
	30	1.1	0.17	DMN100DICT-ND	7.04	52.80	3,000	293.00/M
	30	1.1	0.17	DMN100-FDICT-ND◊	7.92	59.40	3,000	314.00/M
				N-Channel SOT-323				
	60	0.115	3.2	2N7002WDICT-ND	4.80	36.00	—	—
	60	0.115	3.2	2N7002W-FDICT-ND◊	4.80	36.00	3,000	180.00/M
	50	0.200	3.5	BSS138WDICT-ND	4.40	33.00	—	—
A	50	0.200	3.5	BSS138W-FDICT-ND◊	4.40	33.00	3,000	165.00/M
	100	0.170	6.0	BSS123WDICT-ND	4.20	31.50	3,000	158.00/M
	100	0.170	6.0	BSS123W-FDICT-ND◊	4.20	31.50	3,000	158.00/M
	60	0.300	2.0	DMN601WK-FDICT-ND◊	4.00	30.00	3,000	150.00/M
				N-Channel SOT-523				
A	60	0.115	2.0	2N7002T-FDICT-ND◊	4.80	36.00	3,000	180.00/M

Fig.	V_{DS} (V)	I_D (A)	RDS (on) (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Tape & Reel§ Size	Tape & Reel§ Pricing
1A	60	0.300	2.0	DMN601TK-FDICT-ND◊	4.80	36.00	3,000	180.00/M
				Dual N-Channel SOT-26				
4	60	0.305	2.4	DMN601DMK-FDICT-ND◊	5.60	42.00	3,000	210.00/M
				Dual N-Channel SOT-363				
4	60	0.305	2.0	DMN601DWK-FDICT-ND◊	5.60	42.00	3,000	210.00/M
8	60	0.115	3.2	2N7002DW-FDICT-ND◊	5.40	40.50	3,000	214.00/M
	50	0.200	3.5	BSS138DW-FDICT-ND◊	5.94	44.55	3,000	235.00/M
				Dual N-Channel SOT-563				
4	60	0.280	13.5	2N7002VDICT-ND	5.40	40.50	3,000	214.00/M
	60	0.305	2.0	DMN601VKDICT-ND◊	5.60	42.00	3,000	210.00/M
7	60	0.280	13.5	2N7002VADICT-ND	5.40	40.50	3,000	214.00/M
	60	0.280	13.5	2N7002VA-FDICT-ND◊ ***NEW!***	5.40	40.50	3,000	214.00/M
				P-Channel SOT-23				
1B	50	0.130	10	BSS84-FDICT-ND◊	4.00	30.00	3,000	150.00/M
				P-Channel SOT-323				
1B	50	0.130	10	BSS84WDICT-ND	4.40	33.00	—	—
	50	0.130	10	BSS84W-FDICT-ND◊	4.40	33.00	3,000	165.00/M
				Dual P-Channel SOT-363				
9	50	0.130	6	BSS84DW-FDICT-ND◊	5.94	44.55	3,000	235.00/M
				N-Channel/P-Channel Array SOT-363				
10	60	0.115	10	BSS8402DWDICT-ND	5.94	44.55	—	—
	50	0.130						
	60	0.115	10	BSS8402DW-FDICT-ND◊	5.94	44.55	3,000	235.00/M
	50	0.130						

§ For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

Pre-Biased Small Signal Transistors

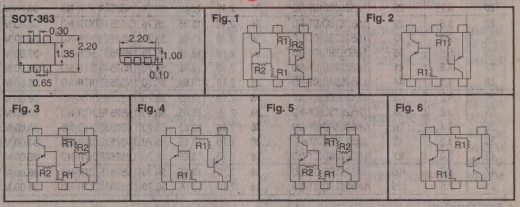
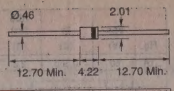


Fig.	Hfe Gain	Nominal R1 (Ω)	Nominal R2 (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	Cut Tape Pricing 10	Cut Tape Pricing 100	Tape & Reel Pricing§ 3,000
				Complimentary NPN/PNP SOT-363				
1	100	10K	10K	DCX114EU-FDICT-ND◊	.55	4.20	30.24	143.00/M
		10K	47K	DCX114YU-FDICT-ND◊	.55	4.20	30.24	143.00/M
		2.2K	47K	DCX123JUDICT-ND	.55	4.20	30.24	143.00/M
		2.2K	47K	DCX123JU-FDICT-ND◊	.55	4.20	30.24	143.00/M
		22K	22K	DCX124EUDICT-ND	.55	4.20	30.24	143.00/M
		22K	22K	DCX124EU-FDICT-ND◊	.55	4.20	30.24	143.00/M
		47K	47K	DCX144EUDICT-ND	.55	4.20	30.24	143.00/M
		47K	47K	DCX144EU-FDICT-ND◊	.55	4.20	30.24	143.00/M
2	100	4.7K	—	DCX143TU-FDICT-ND◊	.55	4.20	30.24	143.00/M
				Dual PNP SOT-363				
3	100	10K	10K	DDA114EUDICT-ND	.47	3.60	25.92	122.00/M
		10K	10K	DDA114EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		10K	47K	DDA114YUDICT-ND	.47	3.60	25.92	—
		10K	47K	DDA114YU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		2.2K	47K	DDA123JUDICT-ND	.47	3.60	25.92	—
		2.2K	47K	DDA123JU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		22K	22K	DDA124EUDICT-ND	.47	3.60	25.92	122.00/M
		22K	22K	DDA124EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		47K	47K	DDA144EUDICT-ND	.47	3.60	25.92	122.00/M
		47K	47K	DDA144EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
4	100	10K	—	DDA114TUDICT-ND	.47	3.60	25.92	—
		10K	—	DDA114TU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		4.7K	—	DDA143TUDICT-ND	.47	3.60	25.92	122.00/M
		4.7K	—	DDA143TU-FDICT-ND◊	.47	3.60	25.92	122.00/M
				Dual NPN SOT-363				
5	100	10K	10K	DDC114EUDICT-ND	.47	3.60	25.92	—
		10K	10K	DDC114EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		10K	47K	DDC114YUDICT-ND	.47	3.60	25.92	—
		10K	47K	DDC114YU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		2.2K	47K	DDC123JUDICT-ND	.47	3.60	25.92	122.00/M
		2.2K	47K	DDC123JU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		22K	22K	DDC124EUDICT-ND	.47	3.60	25.92	122.00/M
		22K	22K	DDC124EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		47K	47K	DDC144EUDICT-ND	.47	3.60	25.92	122.00/M
		47K	47K	DDC144EU-FDICT-ND◊	.47	3.60	25.92	122.00/M
6	100	10K	—	DDC114TUDICT-ND	.47	3.60	25.92	122.00/M
		10K	—	DDC114TU-FDICT-ND◊	.47	3.60	25.92	122.00/M
		4.7K	—	DDC143TUDICT-ND	.47	3.60	25.92	122.00/M
		4.7K	—	DDC143TU-FDICT-ND◊	.47	3.60	25.92	122.00/M

§ For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

DIODES INCORPORATED Zener Diodes

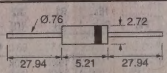
DO-35 Zener Diodes — 500mW (+5%)



Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 10,000
3.3	20	28	1N5226BDICT-ND	.36	2.10	13.65	56.70	—	—
3.6	20	24	1N5227BDICT-ND	.36	2.10	13.65	56.70	—	—
3.9	20	23	1N5228BDICT-ND	.36	2.10	13.65	56.70	1N5228BDITR-ND	36.00/M
4.3	20	22	1N5229BDICT-ND	.36	2.10	13.65	56.70	1N5229BDITR-ND	36.00/M
4.7	20	19	1N5230BDICT-ND	.36	2.10	13.65	56.70	1N5230BDITR-ND	36.00/M
5.1	20	17	1N5231BDICT-ND	.36	2.10	13.65	56.70	1N5231BDITR-ND	35.70/M
5.6	20	11	1N5232BDICT-ND	.36	2.10	13.65	56.70	1N5232BDITR-ND	36.00/M
6.0	20	7	1N5233BDICT-ND	.36	2.10	13.65	56.70	1N5233BDITR-ND	36.00/M
6.2	20	7	1N5234BDICT-ND	.36	2.10	13.65	56.70	1N5234BDITR-ND	36.00/M
6.8	20	5	1N5235BDICT-ND	.36	2.10	13.65	56.70	1N5235BDITR-ND	36.00/M
7.5	20	6	1N5236BDICT-ND	.36	2.10	13.65	56.70	1N5236BDITR-ND	36.00/M
8.2	20	8	1N5237BDICT-ND	.36	2.10	13.65	56.70	1N5237BDITR-ND	36.00/M
8.7	20	8	1N5238BDICT-ND	.36	2.10	13.65	56.70	1N5238BDITR-ND	36.00/M
9.1	20	10	1N5239BDICT-ND	.36	2.10	13.65	56.70	1N5239BDITR-ND	36.00/M
10	20	17	1N5240BDICT-ND	.36	2.10	13.65	56.70	1N5240BDITR-ND	36.00/M
11	20	22	1N5241BDICT-ND	.36	2.10	13.65	56.70	1N5241BDITR-ND	36.00/M
12	20	30	1N5242BDICT-ND	.36	2.10	13.65	56.70	1N5242BDITR-ND	36.00/M
13	9.5	13	1N5243BDICT-ND	.36	2.10	13.65	56.70	1N5243BDITR-ND	36.00/M
14	9.0	15	1N5244BDICT-ND	.36	2.10	13.65	56.70	1N5244BDITR-ND	36.00/M
15	8.5	16	1N5245BDICT-ND	.36	2.10	13.65	56.70	1N5245BDITR-ND	36.00/M
16	7.8	17	1N5246BDICT-ND	.36	2.10	13.65	56.70	1N5246BDITR-ND	36.00/M
17	7.4	19	1N5247BDICT-ND	.36	2.10	13.65	56.70	1N5247BDITR-ND	36.00/M
18	7.0	21	1N5248BDICT-ND	.36	2.10	13.65	56.70	1N5248BDITR-ND	36.00/M
19	6.6	23	1N5249BDICT-ND	.36	2.10	13.65	56.70	1N5249BDITR-ND	36.00/M
20	6.2	25	1N5250BDICT-ND	.36	2.10	13.65	56.70	1N5250BDITR-ND	36.00/M
22	5.6	29	1N5251BDICT-ND	.36	2.10	13.65	56.70	1N5251BDITR-ND	36.00/M
24	5.2	33	1N5252BDICT-ND	.36	2.10	13.65	56.70	1N5252BDITR-ND	36.00/M
25	5.0	35	1N5253BDICT-ND	.36	2.10	13.65	56.70	1N5253BDITR-ND	36.00/M
27	4.6	41	1N5254BDICT-ND	.36	2.10	13.65	56.70	1N5254BDITR-ND	36.00/M
28	4.5	44	1N5255BDICT-ND	.36	2.10	13.65	56.70	1N5255BDITR-ND	36.00/M
30	4.2	49	1N5256BDICT-ND	.36	2.10	13.65	56.70	1N5256BDITR-ND	36.00/M
33	3.8	58	1N5257BDICT-ND	.36	2.10	13.65	56.70	1N5257BDITR-ND	36.00/M
36	3.4	70	1N5258BDICT-ND	.36	2.10	13.65	56.70	1N5258BDITR-ND	36.00/M
39	3.2	80	1N5259BDICT-ND	.36	2.10	13.65	56.70	1N5259BDITR-ND	36.00/M
43	3.0	93	1N5260BDICT-ND	.36	2.10	13.65	56.70	1N5260BDITR-ND	36.00/M
47	2.7	105	1N5261BDICT-ND	.36	2.10	13.65	56.70	1N5261BDITR-ND	36.00/M
51	2.5	125	1N5262BDICT-ND	.36	2.10	13.65	56.70	1N5262BDITR-ND	36.00/M

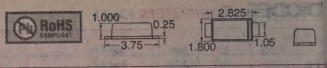
◊ *RoHS Compliant*

DO-41 Zener Diodes — 1W (+5%)



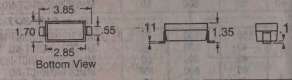
Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 5,000
3.3	76	10.0	1N4728ADICT-ND	.36	2.48	17.16	75.90	1N4728ADITR-ND	59.00/M
3.6	69	10.0	1N4729ADICT-ND	.36	2.48	17.16	75.90	1N4729ADITR-ND	59.00/M
3.9	64	9.0	1N4730ADICT-ND	.36	2.48	17.16	75.90	1N4730ADITR-ND	59.00/M
4.3	58	9.0	1N4731ADICT-ND	.36	2.48	17.16	75.90	1N4731ADITR-ND	59.00/M
4.7	53	8.0	1N4732ADICT-ND	.36	2.48	17.16	75.90	1N4732ADITR-ND	59.00/M
5.1	49	7.0	1N4733ADICT-ND	.36	2.48	17.16	75.90	1N4733ADITR-ND	59.00/M
5.6	45	5.0	1N4734ADICT-ND	.36	2.48	17.16	75.90	1N4734ADITR-ND	59.00/M
6.2	41	2.0	1N4735ADICT-ND	.36	2.48	17.16	75.90	1N4735ADITR-ND	59.00/M
6.8	37	3.5	1N4736ADICT-ND	.36	2.48	17.16	75.90	1N4736ADITR-ND	59.00/M
7.5	34	4.0	1N4737ADICT-ND	.36	2.48	17.16	75.90	1N4737ADITR-ND	66.00/M
8.2	31	4.5	1N4738ADICT-ND	.36	2.48	17.16	75.90	1N4738ADITR-ND	59.00/M
9.1	28	5.0	1N4739ADICT-ND	.36	2.48	17.16	75.90	1N4739ADITR-ND	59.00/M
10	25	7.0	1N4740ADICT-ND	.36	2.48	17.16	75.90	1N4740ADITR-ND	59.00/M
11	23	8	1N4741ADICT-ND	.36	2.48	17.16	75.90	1N4741ADITR-ND	59.00/M
12	21	9	1N4742ADICT-ND	.36	2.48	17.16	75.90	1N4742ADITR-ND	59.00/M
13	19	10	1N4743ADICT-ND	.36	2.48	17.16	75.90	1N4743ADITR-ND	59.00/M
15	17	14	1N4744ADICT-ND	.36	2.48	17.16	75.90	1N4744ADITR-ND	59.00/M
16	15	16	1N4745ADICT-ND	.36	2.48	17.16	75.90	1N4745ADITR-ND	59.00/M
18	14	20	1N4746ADICT-ND	.36	2.48	17.16	75.90	1N4746ADITR-ND	59.00/M
20	12.5	22	1N4747ADICT-ND	.36	2.48	17.16	75.90	1N4747ADITR-ND	59.00/M
22	11.5	23	1N4748ADICT-ND	.36	2.48	17.16	75.90	1N4748ADITR-ND	59.00/M
24	10.5	25	1N4749ADICT-ND	.36	2.48	17.16	75.90	1N4749ADITR-ND	59.00/M
27	9.5	35	1N4750ADICT-ND	.36	2.48	17.16	75.90	1N4750ADITR-ND	59.00/M
30	8.5	40	1N4751ADICT-ND	.36	2.48	17.16	75.90	1N4751ADITR-ND	59.00/M
33	7.5	45	1N4752ADICT-ND	.36	2.48	17.16	75.90	1N4752ADITR-ND	59.00/M
36	7	50	1N4753ADICT-ND	.36	2.48	17.16	75.90	1N4753ADITR-ND	59.00/M
39	6.5	60	1N4754ADICT-ND	.36	2.48	17.16	75.90	1N4754ADITR-ND	59.00/M
43	6	70	1N4755ADICT-ND	.36	2.48	17.16	75.90	1N4755ADITR-ND	59.00/M
47	55	80	1N4756ADICT-ND	.36	2.48	17.16	75.90	1N4756ADITR-ND	59.00/M
51	5	95	1N4757ADICT-ND	.36	2.48	17.16	75.90	1N4757ADITR-ND	59.00/M
56	4.5	110	1N4758ADICT-ND	.36	2.48	17.16	75.90	1N4758ADITR-ND	59.00/M
62	4	125	1N4759ADICT-ND	.36	2.48	17.16	75.90	1N4759ADITR-ND	59.00/M
68	3.7	150	1N4760ADICT-ND	.36	2.48	17.16	75.90	1N4760ADITR-ND	59.00/M
75	3.3	175	1N4761ADICT-ND	.36	2.48	17.16	75.90	1N4761ADITR-ND	59.00/M

PowerDI™ 123 Surface Mount Power Zener Diodes — 1W



Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 3,000
5.1	100	6	DFLZ5V1DITR-ND	.60	4.80	36.00	192.00	DFLZ5V1DITR-ND	180.00/M
5.6	100	4	DFLZ5V6DICT-ND	.60	4.80	36.00	192.00	DFLZ5V6DITR-ND	180.00/M
6.2	100	3	DFLZ6V2DICT-ND	.60	4.80	36.00	192.00	DFLZ6V2DITR-ND	180.00/M
6.8	100	3	DFLZ6V8DICT-ND	.60	4.80	36.00	192.00	DFLZ6V8DITR-ND	180.00/M
8.2	100	2	DFLZ8V2DICT-ND	.60	4.80	36.00	192.00	DFLZ8V2DITR-ND	180.00/M
9.1	50	4	DFLZ9V1DICT-ND	.60	4.80	36.00	192.00	DFLZ9V1DITR-ND	180.00/M
10	50	4	DFLZ10DICT-ND	.60	4.80	36.00	192.00	DFLZ10DITR-ND	180.00/M
12	50	7	DFLZ12DICT-ND	.60	4.80	36.00	192.00	DFLZ12DITR-ND	180.00/M
15	50	10	DFLZ15DICT-ND	.60	4.80	36.00	192.00	DFLZ15DITR-ND	180.00/M
16	25	15	DFLZ16DICT-ND	.60	4.80	36.00	192.00	DFLZ16DITR-ND	180.00/M
18	25	15	DFLZ18DICT-ND	.60	4.80	36.00	192.00	DFLZ18DITR-ND	180.00/M
20	25	15	DFLZ20DICT-ND	.60	4.80	36.00	192.00	DFLZ20DITR-ND	180.00/M
24	25	15	DFLZ24DICT-ND	.60	4.80	36.00	192.00	DFLZ24DITR-ND	180.00/M
27	25	15	DFLZ27DICT-ND	.60	4.80	36.00	192.00	DFLZ27DITR-ND	180.00/M
30	25	15	DFLZ30DICT-ND	.60	4.80	36.00	192.00	DFLZ30DITR-ND	180.00/M
33	25	15	DFLZ33DICT-ND	.60	4.80	36.00	192.00	DFLZ33DITR-ND	180.00/M
39	10	40	DFLZ39DICT-ND	.60	4.80	36.00	192.00	DFLZ39DITR-ND	180.00/M

SOD-123 Surface Mount Zener Diodes — 500mW



Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 3,000
BZT Series								
2.4	5	100	BZT52C2V4-7DICT-ND	3.13	22.00	100.00	—	—
			BZT52C2V4-FDICT-ND◊	3.13	22.00	100.00	BZT52C2V4-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C2V4-13DITR-ND†	78.00/M
2.7	5	100	BZT52C2V7-7DICT-ND	3.13	22.00	100.00	BZT52C2V7-7DITR-ND	90.00/M
			BZT52C2V7-FDICT-ND◊	3.13	22.00	100.00	BZT52C2V7-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C2V7-13DITR-ND†	78.00/M
3.0	5	95	BZT52C3V0-FDICT-ND◊	3.13	22.00	100.00	BZT52C3V0-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C3V0-13DITR-ND†	78.00/M
3.3	5	95	BZT52C3V3-FDICT-ND◊	3.13	22.00	100.00	BZT52C3V3-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C3V3-13DITR-ND†	78.00/M
3.6	5	90	BZT52C3V6-7DICT-ND	3.13	22.00	100.00	BZT52C3V6-7DITR-ND	90.00/M
			BZT52C3V6-FDICT-ND◊	3.13	22.00	100.00	BZT52C3V6-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C3V6-13DITR-ND†	78.00/M
3.9	5	90	BZT52C3V9-FDICT-ND◊	3.13	22.00	100.00	BZT52C3V9-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C3V9-13DITR-ND†	78.00/M
4.3	5	90	BZT52C4V3-7DICT-ND	3.13	22.00	100.00	BZT52C4V3-7DITR-ND	90.00/M
			BZT52C4V3-FDICT-ND◊	3.13	22.00	100.00	BZT52C4V3-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C4V3-13DITR-ND†	78.00/M
4.7	5	80	BZT52C4V7-FDICT-ND◊	3.13	22.00	100.00	BZT52C4V7-FDITR-ND◊	90.00/M
			BZT52C4V7-13-FDICT-ND◊	3.13	22.00	100.00	BZT52C4V7-13-FDITR-ND◊†	77.50/M
			—	—	—	—	BZT52C4V7-13DITR-ND†	78.00/M
5.1	5	60	BZT52C5V1-FDICT-ND◊	3.13	22.00	100.00	BZT52C5V1-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C5V1-13DITR-ND†	78.00/M
5.6	5	40	BZT52C5V6-FDICT-ND◊	3.13	22.00	100.00	BZT52C5V6-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C5V6-13DITR-ND†	78.00/M
6.2	5	10	BZT52C6V2-7DICT-ND	3.13	22.00	100.00	—	—
			BZT52C6V2-FDICT-ND◊	3.13	22.00	100.00	BZT52C6V2-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C6V2-13DITR-ND†	78.00/M
6.8	5	15	BZT52C6V8-7DICT-ND	3.13	22.00	100.00	BZT52C6V8-7DITR-ND	90.00/M
			BZT52C6V8-FDICT-ND◊	3.13	22.00	100.00	BZT52C6V8-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C6V8-13DITR-ND†	78.00/M
7.5	5	15	BZT52C7V5-7DICT-ND	3.13	22.00	100.00	—	—
			BZT52C7V5-FDICT-ND◊	3.13	22.00	100.00	BZT52C7V5-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C7V5-13DITR-ND†	78.00/M
8.2	5	15	BZT52C8V2-7DICT-ND	3.13	22.00	100.00	—	—
			BZT52C8V2-FDICT-ND◊	3.13	22.00	100.00	BZT52C8V2-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C8V2-13DITR-ND†	78.00/M
9.1	5	15	BZT52C9V1-FDICT-ND◊	3.13	22.00	100.00	BZT52C9V1-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C9V1-13DITR-ND†	78.00/M
10	5	20	BZT52C10-FDICT-ND◊	3.13	22.00	100.00	BZT52C10-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C10-13DITR-ND†	78.00/M
11	5	20	BZT52C11-7DICT-ND	3.13	22.00	100.00	BZT52C11-7DITR-ND	90.00/M
			BZT52C11-FDICT-ND◊	3.13	22.00	100.00	BZT52C11-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C11-13DITR-ND†	78.00/M
12	5	25	BZT52C12-FDICT-ND◊	3.13	22.00	100.00	BZT52C12-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C12-13DITR-ND†	78.00/M
13	5	30	BZT52C13-FDICT-ND◊	3.13	22.00	100.00	BZT52C13-FDITR-ND◊	90.00/M
15	5	30	BZT52C15-FDICT-ND◊	3.13	22.00	100.00	BZT52C15-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C15-13DITR-ND†	78.00/M
16	5	40	BZT52C16-7DICT-ND	3.13	22.00	100.00	—	—
			BZT52C16-FDICT-ND◊	3.13	22.00	100.00	BZT52C16-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C16-13DITR-ND†	78.00/M
18	5	45	BZT52C18-FDICT-ND◊	3.13	22.00	100.00	BZT52C18-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C18-13DITR-ND†	78.00/M
20	5	55	BZT52C20-FDICT-ND◊	3.13	22.00	100.00	BZT52C20-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C20-13DITR-ND†	78.00/M

† Tape and Reel size is 10,000. ◊ *RoHS Compliant* (Continu

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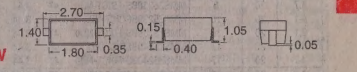
-123 Surface Mount Zener Diodes — 500mW (Cont.)

er ge (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 3,000
			BZT52C22-7DICT-ND	3.13	22.00	100.00	—	—
	5	55	BZT52C22-FDITR-ND◊	3.13	22.00	100.00	BZT52C22-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C22-13DITR-ND†	78.00/M
			BZT52C24-7DICT-ND	3.13	22.00	100.00	—	—
	5	70	BZT52C24-FDICT-ND◊	3.13	22.00	100.00	BZT52C24-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C24-13DITR-ND†	78.00/M
			BZT52C27-7DICT-ND	3.13	22.00	100.00	—	—
	2	80	BZT52C27-FDICT-ND◊	3.13	22.00	100.00	BZT52C27-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C27-13DITR-ND†	—
			BZT52C27-13-FDICT-ND◊	3.13	22.00	100.00	BZT52C27-13-FDITR-ND†	78.00/M
			BZT52C30-7DICT-ND	3.13	22.00	100.00	—	—
	2	80	BZT52C30-FDICT-ND◊	3.13	22.00	100.00	BZT52C30-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C30-13DITR-ND†	78.00/M
	2	80	BZT52C33-FDICT-ND◊	3.13	22.00	100.00	BZT52C33-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C33-13DITR-ND†	78.00/M
			BZT52C36-7DICT-ND	3.13	22.00	100.00	BZT52C36-7DITR-ND	90.00/M
	2	90	BZT52C36-FDICT-ND◊	3.13	22.00	100.00	BZT52C36-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C36-13DITR-ND†	78.00/M
			BZT52C39-FDICT-ND◊	3.13	22.00	100.00	BZT52C39-FDITR-ND◊	90.00/M
	2	130	—	—	—	—	BZT52C39-13DITR-ND†	78.00/M
			BZT52C39-13-FDICT-ND◊	3.13	22.00	100.00	BZT52C39-13-FDITR-ND†	78.00/M
			BZT52C43-7DICT-ND	3.13	22.00	100.00	BZT52C43-7DITR-ND	90.00/M
	5	100	BZT52C43-FDICT-ND◊	3.13	22.00	100.00	BZT52C43-FDITR-ND◊	90.00/M
			—	—	—	—	BZT52C43-13DITR-ND†	78.00/M
	5	100	BZT52C47-FDICT-ND◊	3.13	22.00	100.00	BZT52C47-FDITR-ND◊	90.00/M
	5	100	BZT52C51-FDICT-ND◊	3.13	22.00	100.00	BZT52C51-FDITR-ND◊	90.00/M
			MMSZ Series					
20	30		MMSZ5221B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5221B-FDITR-ND◊	90.00/M
20	30		MMSZ5223BDICT-ND	3.13	22.00	100.00	MMSZ5223BDITR-ND	90.00/M
20	30		MMSZ5223B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5223B-FDITR-ND◊	90.00/M
20	30		MMSZ5225BDICT-ND	3.13	22.00	100.00	MMSZ5225BDITR-ND	90.00/M
20	30		MMSZ5225B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5225B-FDITR-ND◊	90.00/M
20	28		MMSZ5226B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5226B-FDITR-ND◊	90.00/M
20	24		MMSZ5227BDICT-ND	3.13	22.00	100.00	MMSZ5227BDITR-ND	90.00/M
20	24		MMSZ5227B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5227B-FDITR-ND◊	90.00/M
20	23		MMSZ5228BDICT-ND	3.13	22.00	100.00	MMSZ5228BDITR-ND	90.00/M
20	23		MMSZ5228B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5228B-FDITR-ND◊	90.00/M
20	22		MMSZ5229BDICT-ND	3.13	22.00	100.00	—	—
20	22		MMSZ5229B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5229B-FDITR-ND◊	90.00/M
20	19		MMSZ5230BDICT-ND	3.13	22.00	100.00	MMSZ5230BDITR-ND	90.00/M
20	19		MMSZ5230B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5230B-FDITR-ND◊	90.00/M
20	17		MMSZ5231B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5231B-FDITR-ND◊	90.00/M
20	11		MMSZ5232B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5232B-FDITR-ND◊	90.00/M
20	7		MMSZ5233B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5233B-FDITR-ND◊	90.00/M
20	7		MMSZ5234BDICT-ND	3.13	22.00	100.00	—	—
20	7		MMSZ5234B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5234B-FDITR-ND◊	90.00/M
20	5		MMSZ5235BDICT-ND	3.13	22.00	100.00	MMSZ5235BDITR-ND	90.00/M
20	5		MMSZ5235B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5235B-FDITR-ND◊	90.00/M
20	6		MMSZ5236BDICT-ND	3.13	22.00	100.00	—	—
20	6		MMSZ5236B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5236B-FDITR-ND◊	90.00/M
20	8		MMSZ5237BDICT-ND	3.13	22.00	100.00	—	—
20	8		MMSZ5237B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5237B-FDITR-ND◊	90.00/M
20	8		MMSZ5238B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5238B-FDITR-ND◊	90.00/M
20	10		MMSZ5239B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5239B-FDITR-ND◊	90.00/M
20	17		MMSZ5240B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5240B-FDITR-ND◊	90.00/M
20	22		MMSZ5241BDICT-ND	3.13	22.00	100.00	—	—
20	22		MMSZ5241B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5241B-FDITR-ND◊	90.00/M
20	30		MMSZ5242BDICT-ND	3.13	22.00	100.00	MMSZ5242BDITR-ND	90.00/M
20	30		MMSZ5242B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5242B-FDITR-ND◊	90.00/M
9.5	13		MMSZ5243B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5243B-FDITR-ND◊	90.00/M
8.5	16		MMSZ5245B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5245B-FDITR-ND◊	90.00/M
7.8	17		MMSZ5246BDICT-ND	3.13	22.00	100.00	—	—
7.8	17		MMSZ5246B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5246B-FDITR-ND◊	90.00/M
7.0	21		MMSZ5248BDICT-ND	3.13	22.00	100.00	MMSZ5248BDITR-ND	90.00/M
7.0	21		MMSZ5248B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5248B-FDITR-ND◊	90.00/M
6.2	25		MMSZ5250BDICT-ND	3.13	22.00	100.00	MMSZ5250BDITR-ND	90.00/M
6.2	25		MMSZ5250B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5250B-FDITR-ND◊	90.00/M
5.6	29		MMSZ5251BDICT-ND	3.13	22.00	100.00	MMSZ5251BDITR-ND	90.00/M
5.6	29		MMSZ5251B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5251B-FDITR-ND◊	90.00/M
5.2	33		MMSZ5252B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5252B-FDITR-ND◊	90.00/M
5.0	41		MMSZ5254BDICT-ND	3.13	22.00	100.00	MMSZ5254BDITR-ND	90.00/M
5.0	41		MMSZ5254B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5254B-FDITR-ND◊	90.00/M
4.5	44		MMSZ5255BDICT-ND	3.13	22.00	100.00	MMSZ5255BDITR-ND	90.00/M
4.5	44		MMSZ5255B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5255B-FDITR-ND◊	90.00/M
4.2	49		MMSZ5256BDICT-ND	3.13	22.00	100.00	MMSZ5256BDITR-ND	90.00/M
4.2	49		MMSZ5256B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5256B-FDITR-ND◊	90.00/M
3.8	58		MMSZ5257BDICT-ND	3.13	22.00	100.00	—	—
3.8	58		MMSZ5257B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5257B-FDITR-ND◊	90.00/M
3.4	70		MMSZ5258B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5258B-FDITR-ND◊	90.00/M
3.2	80		MMSZ5259BDICT-ND	3.13	22.00	100.00	—	—
3.2	80		MMSZ5259B-FDICT-ND◊	3.13	22.00	100.00	MMSZ5259B-FDITR-ND◊	90.00/M
			DDZ Series					
	.05	—	DDZ9689DICT-ND	2.81	19.80	90.00	DDZ9689DITR-ND	81.00/M
20	17		DDZ5V1BDICT-ND	2.81	19.80	90.00	DDZ5V1BDITR-ND	81.00/M
.05	—		DDZ9690DICT-ND	2.81	19.80	90.00	DDZ9690DITR-ND	81.00/M
20	11		DDZ5V6BDICT-ND	2.81	19.80	90.00	DDZ5V6BDITR-ND	81.00/M
.05	—		DDZ9691DICT-ND	2.81	19.80	90.00	DDZ9691DITR-ND	81.00/M
20	7		DDZ6V2BDICT-ND	2.81	19.80	90.00	DDZ6V2BDITR-ND	81.00/M
.05	—		DDZ9692DICT-ND	2.81	19.80	90.00	DDZ9692DITR-ND	81.00/M

Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 3,000
7.5	.05	—	DDZ9693DICT-ND	2.81	19.80	90.00	DDZ9693DITR-ND	81.00/M
7.5	20	6	DDZ7V5CDICT-ND	2.81	19.80	90.00	DDZ7V5CDITR-ND	81.00/M
8.2	.05	—	DDZ9694DICT-ND	2.81	19.80	90.00	DDZ9694DITR-ND	81.00/M
8.2	20	8	DDZ8V2CDICT-ND	2.81	19.80	90.00	DDZ8V2CDITR-ND	81.00/M
9.1	.05	—	DDZ9696DICT-ND	2.81	19.80	90.00	DDZ9696DITR-ND	81.00/M
9.1	20	8	DDZ9V1CDICT-ND	2.81	19.80	90.00	DDZ9V1CDITR-ND	81.00/M
10	.05	—	DDZ9697DICT-ND	2.81	19.80	90.00	DDZ9697DITR-ND	81.00/M
12	.05	—	DDZ9699DICT-ND	2.81	19.80	90.00	DDZ9699DITR-ND	81.00/M
12	10	12	DDZ12CDICT-ND	2.81	19.80	90.00	DDZ12CDITR-ND	81.00/M
13	10	14	DDZ13BDICT-ND	2.81	19.80	90.00	DDZ13BDITR-ND	81.00/M
15	.05	—	DDZ9702DICT-ND	2.81	19.80	90.00	DDZ9702DITR-ND	81.00/M
18	.05	—	DDZ9705DICT-ND	2.81	19.80	90.00	DDZ9705DITR-ND	81.00/M
18	10	23	DDZ18CDICT-ND	2.81	19.80	90.00	DDZ18CDITR-ND	81.00/M
20	.05	—	DDZ9707DICT-ND	2.81	19.80	90.00	DDZ9707DITR-ND	81.00/M
20	10	28	DDZ20CDICT-ND	2.81	19.80	90.00	DDZ20CDITR-ND	81.00/M
24	.05	—	DDZ9709DICT-ND	2.81	19.80	90.00	DDZ9709DITR-ND	81.00/M
24	5	35	DDZ24CDICT-ND	2.81	19.80	90.00	DDZ24CDITR-ND	81.00/M
27	.05	—	DDZ9711DICT-ND	2.81	19.80	90.00	DDZ9711DITR-ND	81.00/M

† Tape and Reel size is 10,000. ◊ *RoHS Compliant*

SOD-323 Surface Mount Zener Diodes — 200mW



Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
			BZT Series					
2.4	5	100	BZT52C2V4S-FDICT-ND◊	.47	3.44	24.20	BZT52C2V4S-FDITR-ND◊	99.00/M
2.7	5	100	BZT52C2V7SDICT-ND	.47	3.44	24.20	BZT52C2V7SDITR-ND	99.00/M
3.0	5	95	BZT52C3V0SDICT-ND	.47	3.44	24.20	—	—
3.0	5	95	BZT52C3V0S-FDICT-ND◊	.47	3.44	24.20	BZT52C3V0S-FDITR-ND◊	99.00/M
3.3	5	95	BZT52C3V3SDICT-ND	.47	3.44	24.20	BZT52C3V3SDITR-ND	99.00/M
3.3	5	95	BZT52C3V3S-FDICT-ND◊	.47	3.44	24.20	BZT52C3V3S-FDITR-ND◊	99.00/M
3.6	5	90	BZT52C3V6SDICT-ND	.47	3.44	24.20	—	—
3.6	5	90	BZT52C3V6S-FDICT-ND◊	.47	3.44	24.20	BZT52C3V6S-FDITR-ND◊	99.00/M
3.9	5	90	BZT52C3V9SDICT-ND	.47	3.44	24.20	BZT52C3V9SDITR-ND	99.00/M
3.9	5	90	BZT52C3V9S-FDICT-ND◊	.47	3.44	24.20	BZT52C3V9S-FDITR-ND◊	99.00/M
4.3	5	90	BZT52C4V3S-FDICT-ND◊	.47	3.44	24.20	BZT52C4V3S-FDITR-ND◊	99.00/M
4.7	5	80	BZT52C4V7S-FDICT-ND◊	.47	3.44	24.20	BZT52C4V7S-FDITR-ND◊	99.00/M
5.1	5	60	BZT52C5V1S-FDICT-ND◊	.47	3.44	24.20	BZT52C5V1S-FDITR-ND◊	99.00/M
5.6	5	40	BZT52C5V6S-FDICT-ND◊	.47	3.44	24.20	BZT52C5V6S-FDITR-ND◊	99.00/M
6.2	5	10	BZT52C6V2SDICT-ND	.47	3.44	24.20	—	—
6.2	5	10	BZT52C6V2S-FDICT-ND◊	.47	3.44	24.20	BZT52C6V2S-FDITR-ND◊	99.00/M
6.8	5	15	BZT52C6V8S-FDICT-ND◊	.47	3.44	24.20	BZT52C6V8S-FDITR-ND◊	99.00/M
7.5	5	15	BZT52C7V5SDICT-ND	.47	3.44	24.20	BZT52C7V5SDITR-ND	99.00/M
7.5	5	15	BZT52C7V5S-FDICT-ND◊	.47	3.44	24.20	BZT52C7V5S-FDITR-ND◊	99.00/M
8.2	5	15	BZT52C8V2SDICT-ND	.47	3.44	24.20	—	—
8.2	5	15	BZT52C8V2S-FDICT-ND◊	.47	3.44	24.20	BZT52C8V2S-FDITR-ND◊	99.00/M
9.1	5	15	BZT52C9V1SDICT-ND	.47	3.44	24.20	—	—
9.1	5	15	BZT52C9V1S-FDICT-ND◊	.47	3.44	24.20	BZT52C9V1S-FDITR-ND◊	99.00/M
10	5	20	BZT52C10SDICT-ND	.47	3.44	24.20	—	—
10	5	20	BZT52C10S-FDICT-ND◊	.47	3.44	24.20	BZT52C10S-FDITR-ND◊	99.00/M
11	5	20	BZT52C11SDICT-ND	.47	3.44	24.20	—	—
11	5	20	BZT52C11S-FDICT-ND◊	.47	3.44	24.20	BZT52C11S-FDITR-ND◊	99.00/M
12	5	25	BZT52C12S-FDICT-ND◊	.47	3.44	24.20	BZT52C12S-FDITR-ND◊	99.00/M
13	5	30	BZT52C13SDICT-ND	.47	3.44	24.20	—	—
13	5	30	BZT52C13S-FDICT-ND◊	.47	3.44	24.20	BZT52C13S-FDITR-ND◊	99.00/M
15	5	30	BZT52C15SDICT-ND	.47	3.44	24.20	BZT52C15SDITR-ND	99.00/M
15	5	30	BZT52C15S-FDICT-ND◊	.47	3.44	24.20	BZT52C15S-FDITR-ND◊	99.00/M
16	5	40	BZT52C16S-FDICT-ND◊	.47	3.44	24.20	BZT52C16S-FDITR-ND◊	99.00/M
18	5	45	BZT52C18SDICT-ND	.47	3.44	24.20	—	—
18	5	45	BZT52C18S-FDICT-ND◊	.47	3.44	24.20	BZT52C18S-FDITR-ND◊	99.00/M
20	5	55	BZT52C20S-FDICT-ND◊	.47	3.44	24.20	BZT52C20S-FDITR-ND◊	99.00/M
22	5	55	BZT52C22S-FDICT-ND◊	.47	3.44	24.20	BZT52C22S-FDITR-ND◊	99.00/M
24	5	70	BZT52C24SDICT-ND	.47	3.44	24.20	—	—
24	5	70	BZT52C24S-FDICT-ND◊	.47	3.44	24.20	BZT52C24S-FDITR-ND◊	99.00/M
27	2	80	BZT52C27SDICT-ND	.47	3.44	24.20	—	—
27	2	80	BZT52C27S-FDICT-ND◊	.47	3.44	24.20	BZT52C27S-FDITR-ND◊	99.00/M
30	2	80	BZT52C30SDICT-ND	.47	3.44	24.20	BZT52C30SDITR-ND	99.00/M
30	2	80	BZT52C30S-FDICT-ND◊	.47	3.44	24.20	BZT52C30S-FDITR-ND◊	99.00/M
33	2	80	BZT52C33SDICT-ND	.47	3.44	24.20	BZT52C33S-FDITR-ND◊	99.00/M
36	2	90	BZT52C36SDICT-ND	.47	3.44	24.20	—	—
36	2	90	BZT52C36S-FDICT-ND◊	.47	3.44	24.20	BZT52C36S-FDITR-ND◊	99.00/M
39	2	130	BZT52C39SDICT-ND	.47	3.44	24.20	BZT52C39SDITR-ND	99.00/M
39	2	130	BZT52C39S-FDICT-ND◊	.47	3.44	24.20	BZT52C39S-FDITR-ND◊	99.00/M
51	5	100	BZT52C51SDICT-ND◊	39	3.00	21.60	BZT52C51SDITR-ND◊	86.00/M
			MMSZ Series					
2.4	20	30	MMSZ5221BSDICT-ND	.47	3.44	24.20	MMSZ5221BSDITR-ND	99.00/M
2.4	20	30	MMSZ5221BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5221BS-FDITR-ND◊	99.00/M
2.7	20	30	MMSZ5223BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5223BS-FDITR-ND◊	99.00/M
3.0	20	30	MMSZ5225BSDICT-ND	.47	3.44	24.20	MMSZ5225BSDITR-ND	99.00/M
3.0	20	30	MMSZ5225BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5225BS-FDITR-ND◊	99.00/M
3.3	20	28	MMSZ5226BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5226BS-FDITR-ND◊	99.00/M
3.6	20	24	MMSZ5227BSDICT-ND	.47	3.44	24.20	—	—
3.6	20	24	MMSZ5227BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5227BS-FDITR-ND◊	99.00/M
3.9	20	23	MMSZ5228BSDICT-ND	.47	3.44	24.20	—	—
3.9	20	23	MMSZ5228BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5228BS-FDITR-ND◊	99.00/M

◊ *RoHS Compliant* *(Continued)*

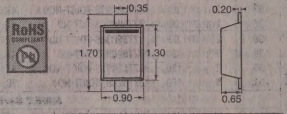
DIODES Zener Diodes (Cont.)

SOD-323 Surface Mount Zener Diodes — 200mW (Cont.)

Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
4.3	20	22	MMSZ5229BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5229BS-FDITR-ND◊	99.00/M
4.7	20	19	MMSZ5230BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5230BS-FDITR-ND◊	99.00/M
5.1	20	17	MMSZ5231BSDICT-ND	.47	3.44	24.20	—	—
5.1	20	17	MMSZ5231BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5231BS-FDITR-ND◊	99.00/M
5.6	20	11	MMSZ5232BSDICT-ND	.47	3.44	24.20	MMSZ5232BSDITR-ND	99.00/M
5.6	20	11	MMSZ5232BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5232BS-FDITR-ND◊	99.00/M
6.0	20	7	MMSZ5233BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5233BS-FDITR-ND◊	99.00/M
6.2	20	7	MMSZ5234BSDICT-ND	.47	3.44	24.20	MMSZ5234BSDITR-ND	99.00/M
6.2	20	7	MMSZ5234BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5234BS-FDITR-ND◊	99.00/M
6.8	20	5	MMSZ5235BSDICT-ND	.47	3.44	24.20	—	—
6.8	20	5	MMSZ5235BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5235BS-FDITR-ND◊	99.00/M
7.5	20	6	MMSZ5236BSDICT-ND	.47	3.44	24.20	MMSZ5236BSDITR-ND	99.00/M
7.5	20	6	MMSZ5236BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5236BS-FDITR-ND◊	99.00/M
8.2	20	8	MMSZ5237BSDICT-ND	.47	3.44	24.20	—	—
8.2	20	8	MMSZ5237BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5237BS-FDITR-ND◊	99.00/M
8.7	20	8	MMSZ5238BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5238BS-FDITR-ND◊	99.00/M
9.1	20	10	MMSZ5239BSDICT-ND	.47	3.44	24.20	—	—
9.1	20	10	MMSZ5239BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5239BS-FDITR-ND◊	99.00/M
10	20	17	MMSZ5240BSDICT-ND	.47	3.44	24.20	—	—
10	20	17	MMSZ5240BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5240BS-FDITR-ND◊	99.00/M
11	20	22	MMSZ5241BSDICT-ND	.47	3.44	24.20	MMSZ5241BSDITR-ND	99.00/M
11	20	22	MMSZ5241BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5241BS-FDITR-ND◊	99.00/M
12	20	30	MMSZ5242BSDICT-ND	.47	3.44	24.20	MMSZ5242BSDITR-ND	99.00/M
12	20	30	MMSZ5242BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5242BS-FDITR-ND◊	99.00/M
13	9.5	13	MMSZ5243BSDICT-ND	.47	3.44	24.20	—	—
13	9.5	13	MMSZ5243BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5243BS-FDITR-ND◊	99.00/M
15	8.5	16	MMSZ5245BSDICT-ND	.47	3.44	24.20	—	—
15	8.5	16	MMSZ5245BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5245BS-FDITR-ND◊	99.00/M
16	7.8	17	MMSZ5246BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5246BS-FDITR-ND◊	99.00/M
18	7.0	21	MMSZ5248BSDICT-ND	.47	3.44	24.20	—	—
18	7.0	21	MMSZ5248BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5248BS-FDITR-ND◊	99.00/M
20	6.2	25	MMSZ5250BSDICT-ND	.47	3.44	24.20	—	—
20	6.2	25	MMSZ5250BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5250BS-FDITR-ND◊	99.00/M
22	5.6	29	MMSZ5251BSDICT-ND	.47	3.44	24.20	MMSZ5251BSDITR-ND	99.00/M
22	5.6	29	MMSZ5251BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5251BS-FDITR-ND◊	99.00/M
24	5.2	33	MMSZ5252BSDICT-ND	.47	3.44	24.20	—	—
24	5.2	33	MMSZ5252BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5252BS-FDITR-ND◊	99.00/M
27	5.0	41	MMSZ5254BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5254BS-FDITR-ND◊	99.00/M
28	4.5	44	MMSZ5255BSDICT-ND	.47	3.44	24.20	—	—
28	4.5	44	MMSZ5255BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5255BS-FDITR-ND◊	99.00/M
30	4.2	49	MMSZ5256BSDICT-ND	.47	3.44	24.20	—	—
30	4.2	49	MMSZ5256BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5256BS-FDITR-ND◊	99.00/M
33	3.8	58	MMSZ5257BSDICT-ND	.47	3.44	24.20	—	—
33	3.8	58	MMSZ5257BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5257BS-FDITR-ND◊	99.00/M
36	3.4	70	MMSZ5258BSDICT-ND	.47	3.44	24.20	—	—
36	3.4	70	MMSZ5258BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5258BS-FDITR-ND◊	99.00/M
39	3.2	80	MMSZ5259BSDICT-ND	.47	3.44	24.20	—	—
39	3.2	80	MMSZ5259BS-FDICT-ND◊	.47	3.44	24.20	MMSZ5259BS-FDITR-ND◊	99.00/M
DDZ Series								
5.6	20	11	DDZ5V6BSDICT-ND	.47	3.44	24.20	DDZ5V6BSDITR-ND	99.00/M
6.8	.05	—	DDZ6692SDICT-ND	.47	3.44	24.20	DDZ6692SDITR-ND	99.00/M
6.8	20	5	DDZ6V8CSDICT-ND	.47	3.44	24.20	DDZ6V8CSDITR-ND	99.00/M
7.5	.05	—	DDZ6693SDICT-ND	.47	3.44	24.20	DDZ6693SDITR-ND	99.00/M
7.5	20	6	DDZ7V5CSDICT-ND	.47	3.44	24.20	DDZ7V5CSDITR-ND	99.00/M
8.2	.05	—	DDZ6694SDICT-ND	.47	3.44	24.20	DDZ6694SDITR-ND	99.00/M
9.1	20	8	DDZ9V1CSDICT-ND	.47	3.44	24.20	DDZ9V1CSDITR-ND	99.00/M
10	.05	—	DDZ6697SDICT-ND	.47	3.44	24.20	DDZ6697SDITR-ND	99.00/M
12	.05	—	DDZ6699SDICT-ND	.47	3.44	24.20	DDZ6699SDITR-ND	99.00/M
13	10	14	DDZ13BSDICT-ND	.47	3.44	24.20	DDZ13BSDITR-ND	99.00/M
15	.05	—	DDZ9702SDICT-ND	.47	3.44	24.20	DDZ9702SDITR-ND	99.00/M
18	.05	—	DDZ9705SDICT-ND	.47	3.44	24.20	DDZ9705SDITR-ND	99.00/M
18	10	23	DDZ18CSDICT-ND	.47	3.44	24.20	DDZ18CSDITR-ND	99.00/M
20	.05	—	DDZ9707SDICT-ND	.47	3.44	24.20	DDZ9707SDITR-ND	99.00/M
20	10	28	DDZ20CSDICT-ND	.47	3.44	24.20	DDZ20CSDITR-ND	99.00/M
24	.05	—	DDZ9709SDICT-ND	.47	3.44	24.20	DDZ9709SDITR-ND	99.00/M
24	5	35	DDZ24CSDICT-ND	.47	3.44	24.20	DDZ24CSDITR-ND	99.00/M
27	.05	—	DDZ9711SDICT-ND	.47	3.44	24.20	DDZ9711SDITR-ND	99.00/M

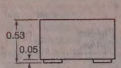
◊ *RoHS Compliant*

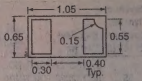
SOD-523 Surface Mount Zener Diodes — 150mW



Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
5.6	5	40	BZT52C5V6TDICT-ND	.41	3.00	21.12	BZT52C5V6TDITR-ND	86.00/M
6.8	5	15	BZT52C6V8TDICT-ND	.41	3.00	21.12	BZT52C6V8TDITR-ND	86.00/M
9.1	5	15	BZT52C9V1TDICT-ND	.31	2.40	17.28	BZT52C9V1TDITR-ND	82.00/M
13	5	30	BZT52C13TDICT-ND	.41	3.00	21.12	BZT52C13TDITR-ND	86.00/M
15	5	30	BZT52C15TDICT-ND	.41	3.00	21.12	BZT52C15TDITR-ND	86.00/M
16	5	40	BZT52C16TDICT-ND	.41	3.00	21.12	BZT52C16TDITR-ND	86.00/M
24	5	70	BZT52C24TDICT-ND	.41	3.00	21.12	BZT52C24TDITR-ND	86.00/M

DFN1006-2 Surface Mount Zener Diodes — 250mW



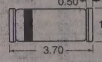


Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
5.6	5	40	BZT52C5V6LPDICT-ND	.46	3.38	23.76	BZT52C5V6LPDITR-ND	97.00/M
6.2	5	10	BZT52C6V2LPDICT-ND	.46	3.38	23.76	BZT52C6V2LPDITR-ND	97.00/M
6.8	5	15	BZT52C6V8LPDICT-ND	.46	3.38	23.76	BZT52C6V8LPDITR-ND	97.00/M
7.5	5	15	BZT52C7V5LPDICT-ND	.46	3.38	23.76	BZT52C7V5LPDITR-ND	97.00/M
8.2	5	15	BZT52C8V2LPDICT-ND	.46	3.38	23.76	BZT52C8V2LPDITR-ND	97.00/M
9.1	5	15	BZT52C9V1LPDICT-ND	.46	3.38	23.76	BZT52C9V1LPDITR-ND	97.00/M
10	5	20	BZT52C10LPDICT-ND	.46	3.38	23.76	BZT52C10LPDITR-ND	97.00/M
11	5	20	BZT52C11LPDICT-ND	.46	3.38	23.76	BZT52C11LPDITR-ND	97.00/M
13	5	30	BZT52C13LPDICT-ND	.46	3.38	23.76	BZT52C13LPDITR-ND	97.00/M

MELF (DL-41) Surface Mount Zener Diodes — 1W

Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	500
39	6.5	60	ZM4754ADICT-ND	4.00	28.80	84.00
43	6.0	70	ZM4755ADICT-ND	4.00	28.80	84.00

MiniMELF (DL-35) Surface Mount Zener Diodes — 500mW

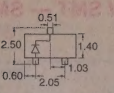


Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Pricing 2,500
3.0	20	29	ZMM5225BDICT-ND	2.48	17.16	75.90	ZMM5225BDITR-ND	66.00/M
3.3	20	28	ZMM5226BDICT-ND	2.48	17.16	75.90	ZMM5226BDITR-ND	66.00/M
3.6	20	24	ZMM5227BDICT-ND	2.48	17.16	75.90	ZMM5227BDITR-ND	66.00/M
3.9	20	23	ZMM5228BDICT-ND	2.48	17.16	75.90	ZMM5228BDITR-ND	66.00/M
4.3	20	22	ZMM5229BDICT-ND	2.48	17.16	75.90	ZMM5229BDITR-ND	66.00/M
4.7	20	19	ZMM5230BDICT-ND	2.48	17.16	75.90	ZMM5230BDITR-ND	66.00/M
5.1	20	17	ZMM5231BDICT-ND	2.48	17.16	75.90	ZMM5231BDITR-ND	66.00/M
5.6	20	11	ZMM5232BDICT-ND	2.48	17.16	75.90	ZMM5232BDITR-ND	66.00/M
6.0	20	7	ZMM5233BDICT-ND	2.48	17.16	75.90	ZMM5233BDITR-ND	66.00/M
6.2	20	7	ZMM5234BDICT-ND	2.48	17.16	75.90	ZMM5234BDITR-ND	66.00/M
6.8	20	5	ZMM5235BDICT-ND	2.48	17.16	75.90	ZMM5235BDITR-ND	66.00/M
7.5	20	6	ZMM5236BDICT-ND	2.48	17.16	75.90	ZMM5236BDITR-ND	66.00/M
8.2	20	8	ZMM5237BDICT-ND	2.48	17.16	75.90	ZMM5237BDITR-ND	66.00/M
8.7	20	8	ZMM5238BDICT-ND	2.48	17.16	75.90	ZMM5238BDITR-ND	66.00/M
9.1	20	10	ZMM5239BDICT-ND	2.48	17.16	75.90	ZMM5239BDITR-ND	66.00/M
10	20	17	ZMM5240BDICT-ND	2.48	17.16	75.90	ZMM5240BDITR-ND	66.00/M
11	20	22	ZMM5241BDICT-ND	2.48	17.16	75.90	ZMM5241BDITR-ND	66.00/M
12	20	30	ZMM5242BDICT-ND	2.48	17.16	75.90	ZMM5242BDITR-ND	66.00/M
13	9.5	13	ZMM5243BDICT-ND	2.48	17.16	75.90	ZMM5243BDITR-ND	66.00/M
14	9.0	15	ZMM5244BDICT-ND	2.48	17.16	75.90	ZMM5244BDITR-ND	66.00/M
15	8.5	16	ZMM5245BDICT-ND	2.48	17.16	75.90	ZMM5245BDITR-ND	66.00/M
16	7.8	17	ZMM5246BDICT-ND	2.48	17.16	75.90	ZMM5246BDITR-ND	66.00/M
17	7.4	19	ZMM5247BDICT-ND	2.48	17.16	75.90	ZMM5247BDITR-ND	66.00/M
18	7.0	21	ZMM5248BDICT-ND	2.48	17.16	75.90	ZMM5248BDITR-ND	66.00/M
19	6.6	23	ZMM5249BDICT-ND	2.48	17.16	75.90	ZMM5249BDITR-ND	66.00/M
20	6.2	25	ZMM5250BDICT-ND	2.48	17.16	75.90	ZMM5250BDITR-ND	66.00/M
22	5.6	29	ZMM5251BDICT-ND	2.48	17.16	75.90	ZMM5251BDITR-ND	66.00/M
24	5.2	33	ZMM5252BDICT-ND	2.48	17.16	75.90	ZMM5252BDITR-ND	66.00/M
25	5.0	35	ZMM5253BDICT-ND	2.48	17.16	75.90	ZMM5253BDITR-ND	66.00/M
27	4.6	41	ZMM5254BDICT-ND	2.48	17.16	75.90	ZMM5254BDITR-ND	66.00/M
28	4.5	44	ZMM5255BDICT-ND	2.48	17.16	75.90	ZMM5255BDITR-ND	66.00/M
30	4.2	49	ZMM5256BDICT-ND	2.48	17.16	75.90	ZMM5256BDITR-ND	66.00/M
33	3.8	58	ZMM5257BDICT-ND	2.48	17.16	75.90	ZMM5257BDITR-ND	66.00/M
36	3.4	70	ZMM5258BDICT-ND	2.48	17.16	75.90	ZMM5258BDITR-ND	66.00/M
39	3.2	80	ZMM5259BDICT-ND	2.48	17.16	75.90	ZMM5259BDITR-ND	66.00/M
43	3.0	93	ZMM5260BDICT-ND	2.48	17.16	75.90	ZMM5260BDITR-ND	66.00/M
47	2.7	105	ZMM5261BDICT-ND	2.48	17.16	75.90	ZMM5261BDITR-ND	66.00/M
51	2.5	125	ZMM5262BDICT-ND	2.48	17.16	75.90	ZMM5262BDITR-ND	66.00/M
62	2.0	185	ZMM5265BDICT-ND	2.48	17.16	75.90	ZMM5265BDITR-ND	66.00/M
68	1.8	230	ZMM5266BDICT-ND	2.48	17.16	75.90	ZMM5266BDITR-ND	66.00/M

(Continue

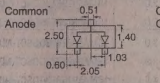
DES Zener Diodes (Cont.)

T-23
face Mount
ner Diodes — 300mW



er ge IZT (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
5	20	11	DDZX5V6BDICT-ND	.44	3.00	20.80	DDZX5V6BDITR-ND	80.00/M
2	20	7	DDZX6V2BDICT-ND	.44	3.00	20.80	DDZX6V2BDITR-ND	80.00/M
3	20	5	DDZX6V8CDICT-ND	.44	3.00	20.80	DDZX6V8CDITR-ND	80.00/M
5	20	6	DDZX7V5CDICT-ND	.44	3.00	20.80	DDZX7V5CDITR-ND	80.00/M
7	20	8	DDZX9V1CDICT-ND	.44	3.00	20.80	DDZX9V1CDITR-ND	80.00/M
1	10	12	DDZX12CDICT-ND	.44	3.00	20.80	DDZX12CDITR-ND	80.00/M
3	10	14	DDZX13BDICT-ND	.44	3.00	20.80	DDZX13BDITR-ND	80.00/M
8	10	23	DDZX18CDICT-ND	.44	3.00	20.80	DDZX18CDITR-ND	80.00/M
0	10	28	DDZX20CDICT-ND	.44	3.00	20.80	DDZX20CDITR-ND	80.00/M
4	5	35	DDZX24CDICT-ND	.44	3.00	20.80	DDZX24CDITR-ND	80.00/M

T-23
al Surface Mount
ner Diodes — 300mW

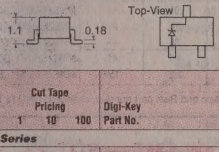


er ge IZT (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
			Common Anode					
7	5.0	83	AZ23C2V7-FDICT-ND◊	.50	4.00	30.00	AZ23C2V7-FDITR-ND◊	150.00/M
0	5.0	95	AZ23C3V0DICT-ND	.50	4.00	30.00	AZ23C3V0DITR-ND	150.00/M
0	5.0	95	AZ23C3V0-FDICT-ND◊	.50	4.00	30.00	AZ23C3V0-FDITR-ND◊	150.00/M
0	5.0	95	AZ23C3V3-FDICT-ND◊	.50	4.00	30.00	AZ23C3V3-FDITR-ND◊	150.00/M
3	5.0	95	AZ23C3V6-FDICT-ND◊	.50	4.00	30.00	AZ23C3V6-FDITR-ND◊	150.00/M
9	5.0	95	AZ23C3V9DICT-ND	.50	4.00	30.00	AZ23C3V9DITR-ND	150.00/M
9	5.0	95	AZ23C3V9-FDICT-ND◊	.50	4.00	30.00	AZ23C3V9-FDITR-ND◊	150.00/M
0	5.0	95	AZ23C4V3-FDICT-ND◊	.50	4.00	30.00	AZ23C4V3-FDITR-ND◊	150.00/M
7	5.0	78	AZ23C4V7DICT-ND	.50	4.00	30.00	—	—
7	5.0	78	AZ23C4V7-FDICT-ND◊	.50	4.00	30.00	AZ23C4V7-FDITR-ND◊	150.00/M
1	5.0	60	AZ23C5V1-FDICT-ND◊	.50	4.00	30.00	AZ23C5V1-FDITR-ND◊	150.00/M
6	5.0	40	AZ23C5V6-FDICT-ND◊	.50	4.00	30.00	AZ23C5V6-FDITR-ND◊	150.00/M
2	5.0	10	AZ23C6V2DICT-ND	.50	4.00	30.00	—	—
2	5.0	10	AZ23C6V2-FDICT-ND◊	.50	4.00	30.00	AZ23C6V2-FDITR-ND◊	150.00/M
8	5.0	8.0	AZ23C6V8-FDICT-ND◊	.50	4.00	30.00	AZ23C6V8-FDITR-ND◊	150.00/M
5	5.0	7.0	AZ23C7V5-FDICT-ND◊	.50	4.00	30.00	AZ23C7V5-FDITR-ND◊	150.00/M
2	5.0	7.0	AZ23C8V2-FDICT-ND◊	.50	4.00	30.00	AZ23C8V2-FDITR-ND◊	150.00/M
9	5.0	10	AZ23C9V1-FDICT-ND◊	.50	4.00	30.00	AZ23C9V1-FDITR-ND◊	150.00/M
2	5.0	15	AZ23C10-FDICT-ND◊	.50	4.00	30.00	AZ23C10-FDITR-ND◊	150.00/M
1	5.0	20	AZ23C11DICT-ND	.50	4.00	30.00	AZ23C11DITR-ND	150.00/M
1	5.0	20	AZ23C11-FDICT-ND◊	.50	4.00	30.00	AZ23C11-FDITR-ND◊	150.00/M
2	5.0	20	AZ23C12DICT-ND	.50	4.00	30.00	—	—
2	5.0	20	AZ23C12-FDICT-ND◊	.50	4.00	30.00	AZ23C12-FDITR-ND◊	150.00/M
3	5.0	25	AZ23C13-FDICT-ND◊	.50	4.00	30.00	AZ23C13-FDITR-ND◊	150.00/M
5	5.0	25	AZ23C15-FDICT-ND◊	.50	4.00	30.00	AZ23C15-FDITR-ND◊	150.00/M
6	5.0	40	AZ23C16DICT-ND	.50	4.00	30.00	AZ23C16DITR-ND	150.00/M
6	5.0	40	AZ23C16-FDICT-ND◊	.50	4.00	30.00	AZ23C16-FDITR-ND◊	150.00/M
8	5.0	50	AZ23C18DICT-ND	.50	4.00	30.00	—	—
8	5.0	50	AZ23C18-FDICT-ND◊	.50	4.00	30.00	AZ23C18-FDITR-ND◊	150.00/M
0	5.0	50	AZ23C20-FDICT-ND◊	.50	4.00	30.00	AZ23C20-FDITR-ND◊	150.00/M
2	5.0	55	AZ23C22-FDICT-ND◊	.50	4.00	30.00	AZ23C22-FDITR-ND◊	150.00/M
4	5.0	80	AZ23C24-FDICT-ND◊	.50	4.00	30.00	AZ23C24-FDITR-ND◊	150.00/M
7	5.0	80	AZ23C27DICT-ND	.50	4.00	30.00	—	—
7	5.0	80	AZ23C27-FDICT-ND◊	.50	4.00	30.00	AZ23C27-FDITR-ND◊	150.00/M
0	5.0	80	AZ23C30-FDICT-ND◊	.50	4.00	30.00	AZ23C30-FDITR-ND◊	150.00/M
3	5.0	80	AZ23C33-FDICT-ND◊	.50	4.00	30.00	AZ23C33-FDITR-ND◊	150.00/M
6	5.0	90	AZ23C36-FDICT-ND◊	.50	4.00	30.00	AZ23C36-FDITR-ND◊	150.00/M
9	5.0	90	AZ23C39-FDICT-ND◊	.50	4.00	30.00	AZ23C39-FDITR-ND◊	150.00/M
3	5.0	100	AZ23C43-FDICT-ND◊	.50	4.00	30.00	AZ23C43-FDITR-ND◊	150.00/M
7	5.0	100	AZ23C47-FDICT-ND◊	.50	4.00	30.00	AZ23C47-FDITR-ND◊	150.00/M
1	5.0	100	AZ23C51DICT-ND	.50	4.00	30.00	AZ23C51DITR-ND	150.00/M
1	5.0	100	AZ23C51-FDICT-ND◊	.50	4.00	30.00	AZ23C51-FDITR-ND◊	150.00/M
			Common Cathode					
7	5.0	83	DZ23C2V7-FDICT-ND◊	.45	3.60	27.00	DZ23C2V7-FDITR-ND◊	135.00/M
0	5.0	95	DZ23C3V0DICT-ND	.45	3.60	27.00	DZ23C3V0DITR-ND	135.00/M
0	5.0	95	DZ23C3V0-FDICT-ND◊	.45	3.60	27.00	DZ23C3V0-FDITR-ND◊	135.00/M
0	5.0	95	DZ23C3V3DICT-ND	.45	3.60	27.00	DZ23C3V3DITR-ND	135.00/M
3	5.0	95	DZ23C3V3-FDICT-ND◊	.45	3.60	27.00	DZ23C3V3-FDITR-ND◊	135.00/M
6	5.0	95	DZ23C3V6DICT-ND	.45	3.60	27.00	—	—
6	5.0	95	DZ23C3V6-FDICT-ND◊	.45	3.60	27.00	DZ23C3V6-FDITR-ND◊	135.00/M
9	5.0	95	DZ23C3V9DICT-ND	.45	3.60	27.00	DZ23C3V9DITR-ND	135.00/M
9	5.0	95	DZ23C3V9-FDICT-ND◊	.45	3.60	27.00	DZ23C3V9-FDITR-ND◊	135.00/M
0	5.0	95	DZ23C4V3DICT-ND	.45	3.60	27.00	—	—
3	5.0	95	DZ23C4V3-FDICT-ND◊	.45	3.60	27.00	DZ23C4V3-FDITR-ND◊	135.00/M
7	5.0	78	DZ23C4V7-FDICT-ND◊	.45	3.60	27.00	DZ23C4V7-FDITR-ND◊	135.00/M
1	5.0	60	DZ23C5V1DICT-ND	.45	3.60	27.00	DZ23C5V1DITR-ND	135.00/M
1	5.0	60	DZ23C5V1-FDICT-ND◊	.45	3.60	27.00	DZ23C5V1-FDITR-ND◊	135.00/M

Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
5.6	5.0	40	DZ23C5V6DICT-ND	.45	3.60	27.00	DZ23C5V6DITR-ND	135.00/M
5.6	5.0	40	DZ23C5V6-FDICT-ND◊	.45	3.60	27.00	DZ23C5V6-FDITR-ND◊	135.00/M
6.2	5.0	10	DZ23C6V2DICT-ND	.45	3.60	27.00	DZ23C6V2DITR-ND	135.00/M
6.2	5.0	10	DZ23C6V2-FDICT-ND◊	.45	3.60	27.00	DZ23C6V2-FDITR-ND◊	135.00/M
6.8	5.0	8.0	DZ23C6V8DICT-ND	.45	3.60	27.00	DZ23C6V8DITR-ND	135.00/M
6.8	5.0	8.0	DZ23C6V8-FDICT-ND◊	.45	3.60	27.00	DZ23C6V8-FDITR-ND◊	135.00/M
7.5	5.0	7.0	DZ23C7V5-FDICT-ND◊	.45	3.60	27.00	DZ23C7V5-FDITR-ND◊	135.00/M
8.2	5.0	7.0	DZ23C8V2DICT-ND	.45	3.60	27.00	DZ23C8V2DITR-ND	135.00/M
8.2	5.0	7.0	DZ23C8V2-FDICT-ND◊	.45	3.60	27.00	DZ23C8V2-FDITR-ND◊	135.00/M
9.1	5.0	10	DZ23C9V1DICT-ND	.45	3.60	27.00	DZ23C9V1DITR-ND	135.00/M
9.1	5.0	10	DZ23C9V1-FDICT-ND◊	.45	3.60	27.00	DZ23C9V1-FDITR-ND◊	135.00/M
10	5.0	15	DZ23C10-FDICT-ND◊	.45	3.60	27.00	DZ23C10-FDITR-ND◊	135.00/M
11	5.0	20	DZ23C11DICT-ND	.45	3.60	27.00	DZ23C11DITR-ND	135.00/M
11	5.0	20	DZ23C11-FDICT-ND◊	.45	3.60	27.00	DZ23C11-FDITR-ND◊	135.00/M
12	5.0	20	DZ23C12DICT-ND	.45	3.60	27.00	—	—
12	5.0	20	DZ23C12-FDICT-ND◊	.45	3.60	27.00	DZ23C12-FDITR-ND◊	135.00/M
13	5.0	25	DZ23C13-FDICT-ND◊	.45	3.60	27.00	DZ23C13-FDITR-ND◊	135.00/M
15	5.0	30	DZ23C15DICT-ND	.45	3.60	27.00	DZ23C15DITR-ND	135.00/M
15	5.0	30	DZ23C15-FDICT-ND◊	.45	3.60	27.00	DZ23C15-FDITR-ND◊	135.00/M
16	5.0	40	DZ23C16-FDICT-ND◊	.45	3.60	27.00	DZ23C16-FDITR-ND◊	135.00/M
18	5.0	50	DZ23C18-FDICT-ND◊	.45	3.60	27.00	DZ23C18-FDITR-ND◊	135.00/M
20	5.0	50	DZ23C20-FDICT-ND◊	.45	3.60	27.00	DZ23C20-FDITR-ND◊	135.00/M
22	5.0	55	DZ23C22DICT-ND	.45	3.60	27.00	DZ23C22DITR-ND	135.00/M
22	5.0	55	DZ23C22-FDICT-ND◊	.45	3.60	27.00	DZ23C22-FDITR-ND◊	135.00/M
24	5.0	80	DZ23C24-FDICT-ND◊	.45	3.60	27.00	DZ23C24-FDITR-ND◊	135.00/M
27	5.0	80	DZ23C27DICT-ND	.45	3.60	27.00	DZ23C27DITR-ND	135.00/M
27	5.0	80	DZ23C27-FDICT-ND◊	.45	3.60	27.00	DZ23C27-FDITR-ND◊	135.00/M
30	5.0	80	DZ23C30DICT-ND	.45	3.60	27.00	DZ23C30DITR-ND	135.00/M
30	5.0	80	DZ23C30-FDICT-ND◊	.45	3.60	27.00	DZ23C30-FDITR-ND◊	135.00/M
33	5.0	80	DZ23C33-FDICT-ND◊	.45	3.60	27.00	DZ23C33-FDITR-ND◊	135.00/M
36	5.0	90	DZ23C36DICT-ND	.45	3.60	27.00	DZ23C36DITR-ND	135.00/M
36	5.0	90	DZ23C36-FDICT-ND◊	.45	3.60	27.00	DZ23C36-FDITR-ND◊	135.00/M
39	5.0	90	DZ23C39-FDICT-ND◊	.45	3.60	27.00	DZ23C39-FDITR-ND◊	135.00/M
43	5.0	100	DZ23C43DICT-ND	.45	3.60	27.00	DZ23C43DITR-ND	135.00/M
43	5.0	100	DZ23C43-FDICT-ND◊	.45	3.60	27.00	DZ23C43-FDITR-ND◊	135.00/M
47	5.0	100	DZ23C47-FDICT-ND◊	.45	3.60	27.00	DZ23C47-FDITR-ND◊	135.00/M
51	5.0	100	DZ23C51-FDICT-ND◊	.45	3.60	27.00	DZ23C51-FDITR-ND◊	135.00/M

◊ *RoHS Compliant*

SOT-23
Surface Mount
Zener Diodes — 350mW



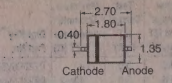
Zener Voltage VZ @ IZT Nom. (V)	Test Current IZT (mA)	Maximum Dynamic Impedance ZZT IZT (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
			BZX Series					
2.4	5.0	100	BZX84C2V4-FDICT-ND◊	.44	3.00	20.80	BZX84C2V4-FDITR-ND◊	80.00/M
2.7	5.0	100	BZX84C2V7-FDICT-ND◊	.44	3.00	20.80	BZX84C2V7-FDITR-ND◊	80.00/M
3.0	5.0	95	BZX84C3V0DICT-ND	.44	3.00	20.80	—	—
3.0	5.0	95	BZX84C3V0-FDICT-ND◊	.44	3.00	20.80	BZX84C3V0-FDITR-ND◊	80.00/M
3.3	5.0	95	BZX84C3V3-FDICT-ND◊	.44	3.00	20.80	BZX84C3V3-FDITR-ND◊	80.00/M
3.6	5.0	90	BZX84C3V6DICT-ND	.44	3.00	20.80	BZX84C3V6DITR-ND	80.00/M
3.6	5.0	90	BZX84C3V6-FDICT-ND◊	.44	3.00	20.80	BZX84C3V6-FDITR-ND◊	80.00/M
3.9	5.0	90	BZX84C3V9-FDICT-ND◊	.44	3.00	20.80	BZX84C3V9-FDITR-ND◊	80.00/M
4.3	5.0	90	BZX84C4V3DICT-ND	.44	3.00	20.80	BZX84C4V3DITR-ND	80.00/M
4.3	5.0	90	BZX84C4V3-FDICT-ND◊	.44	3.00	20.80	BZX84C4V3-FDITR-ND◊	80.00/M
4.7	5.0	80	BZX84C4V7DICT-ND	.44	3.00	20.80	BZX84C4V7DITR-ND	80.00/M
4.7	5.0	80	BZX84C4V7-FDICT-ND◊	.44	3.00	20.80	BZX84C4V7-FDITR-ND◊	80.00/M
5.1	5.0	60	BZX84C5V1DICT-ND•	.44	3.00	20.80	BZX84C5V1DITR-ND	80.00/M
5.1	5.0	60	BZX84C5V1-FDICT-ND◊	.39	2.63	18.20	BZX84C5V1-FDITR-ND◊	70.00/M
5.6	5.0	40	BZX84C5V6-FDICT-ND•◊	.44	3.00	20.80	BZX84C5V6-FDITR-ND◊	80.00/M
6.2	5.0	10	BZX84C6V2DICT-ND•	.44	3.00	20.80	—	—
6.2	5.0	10	BZX84C6V2-FDICT-ND◊	.44	3.00	20.80	BZX84C6V2-FDITR-ND◊	80.00/M
6.8	5.0	15	BZX84C6V8DICT-ND•	.44	3.00	20.80	BZX84C6V8DITR-ND	80.00/M
6.8	5.0	15	BZX84C6V8-FDICT-ND◊	.44	3.00	20.80	BZX84C6V8-FDITR-ND◊	80.00/M
7.5	5.0	15	BZX84C7V5-FDICT-ND◊	.44	3.00	20.80	BZX84C7V5-FDITR-ND◊	80.00/M
8.2	5.0	15	BZX84C8V2-FDICT-ND◊	.44	3.00	20.80	BZX84C8V2-FDITR-ND◊	80.00/M
9.1	5.0	15	BZX84C9V1DICT-ND•	.44	3.00	20.80	—	—
9.1	5.0	15	BZX84C9V1-FDICT-ND◊	.44	3.00	20.80	BZX84C9V1-FDITR-ND◊	80.00/M
10	5.0	20	BZX84C10DICT-ND•	.44	3.00	20.80	BZX84C10DITR-ND	80.00/M
10	5.0	20	BZX84C10-FDICT-ND◊	.44	3.00	20.80	BZX84C10-FDITR-ND◊	80.00/M
11	5.0	20	BZX84C11DICT-ND	.44	3.00	20.80	—	—
11	5.0	20	BZX84C11-FDICT-ND◊	.44	3.00	20.80	BZX84C11-FDITR-ND◊	80.00/M
12	5.0	25	BZX84C12-FDICT-ND•◊	.44	3.00	20.80	BZX84C12-FDITR-ND◊	80.00/M
13	5.0	30	BZX84C13-FDICT-ND◊	.44	3.00	20.80	BZX84C13-FDITR-ND◊	80.00/M
15	5.0	30	BZX84C15-FDICT-ND•◊	.39	2.63	18.20	BZX84C15-FDITR-ND◊	70.00/M
16	5.0	40	BZX84C16DICT-ND	.44	3.00	20.80	—	—
16	5.0	40	BZX84C16-FDICT-ND◊	.44	3.00	20.80	—	—

• **BZX2-KIT-ND** *Digi-Key® SMD Zener Diodes Kit* 10 each of values denoted (180 total pieces)..... **$23.79**

◊ *RoHS Compliant*

ON Semiconductor™ Zener Regulators

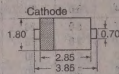
200mW SMT — SOD-323



Zener Voltage	Test Current IZT (mA)	Zener Impedance	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel** Pricing 3,000
4.7	5	80	MM3Z4V7T1OSCT-ND	2.21	12.42	20.70	37.00/M
4.7	5	80	MM3Z4V7ST1OSCT-ND	2.10	11.79	19.65	—
4.7	5	80	MM3Z4V7ST1GOSCT-ND◊	2.19	12.33	20.55	37.00/M
5.1	5	60	MM3Z5V1T1OSCT-ND	2.21	12.42	20.70	37.00/M
5.1	5	60	MM3Z5V1ST1GOSCT-ND◊	2.19	12.33	20.55	37.00/M
5.6	5	40	MM3Z5V6ST1OSCT-ND	2.10	11.79	19.65	—
5.6	5	40	MM3Z5V6ST1GOSCT-ND◊	2.19	12.33	20.55	37.00/M
6.2	5	10	MM3Z6V2T1OSCT-ND	1.23	8.00	13.84	—
10.0	5	20	MM3Z10VT1OSCT-ND	2.21	12.42	20.70	37.00/M
10.0	5	15	MM3Z10VST1GOSCT-ND◊	5.78	43.33	86.66	217.00/M
11.0	5	15	MM3Z11VST1GOSCT-ND	2.30	14.95	25.88	54.00/M
12.0	5	25	MM3Z12VST1OSCT-ND	.97	6.71	12.09	—
12.0	5	25	MM3Z12VST1GOSCT-ND◊	2.19	12.33	20.55	37.00/M
15.0	5	30	MM3Z15VT1OSCT-ND	2.21	12.42	20.70	37.00/M
18.0	5	45	MM3Z18VST1OSCT-ND	3.30	22.88	41.25	26.00/M
18.0	5	45	MM3Z18VST1GOSCT-ND◊	2.19	12.33	20.55	37.00/M

** For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

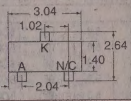
500mW SMT — SOD-123



Zener Voltage	Test Current IZT (mA)	Zener Impedance	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel** Pricing 3,000
2.7	20	30	MMSZ5223BT1OSCT-ND	2.30	14.95	25.88	—
4.3	20	22	MMSZ5229BT1OSCT-ND	2.30	14.95	25.88	—
5.1	05	—	MMSZ4689T1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
5.1	20	17	MMSZ5231BT1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
5.6	05	—	MMSZ4690ET1OSCT-ND	2.44	15.86	27.45	57.00/M
5.6	05	—	MMSZ4690T1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
5.6	20	11	MMSZ5232BT1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
16	05	—	MMSZ4703T1OSCT-ND	2.30	14.95	25.88	—
18	7.0	21	MMSZ5248BT1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
19	05	—	MMSZ4706T1OSCT-ND	2.30	14.95	25.88	—
27	4.6	41	MMSZ5254BT1GOSCT-ND◊	2.30	14.95	25.88	48.00/M
56	2.2	150	MMSZ5263BT1OSCT-ND	2.42	15.73	27.23	53.00/M

** For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

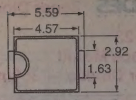
225mW SMT — SOT-23



Zener Voltage	Test Current IZT (mA)	Zener Impedance	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel** Pricing 3,000
2.7	20	30	MMBZ5223BLT1OSCT-ND	2.30	12.96	21.60	—
3	20	29	MMBZ5225BLT1OSCT-ND	2.30	12.96	21.60	—
3.9	20	23	MMBZ5228BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
4.3	20	22	MMBZ5229BLT1OSCT-ND	2.30	12.96	21.60	—
5.1	20	17	MMBZ5231ELT1OSCT-ND	1.64	10.66	18.45	—
5.1	20	17	MMBZ5231ELT1GOSCT-ND◊	1.66	10.79	18.68	39.00/M
7.5	20	6	MMBZ5236BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
8.7	20	8	MMBZ5238BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
9.1	20	10	MMBZ5239BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
11	20	22	MMBZ5241BLT1OSCT-ND	2.30	12.96	21.60	—
14	9	15	MMBZ5244BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
16	7.8	17	MMBZ5246BLT1GOSCT-ND◊	2.30	12.96	21.60	36.00/M
18	7	21	MMBZ5248BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
19	6.6	23	MMBZ5249BLT1OSCT-ND	2.30	12.96	21.60	—
20	6.2	25	MMBZ5250BLT1OSCT-ND	2.30	12.96	21.60	—
22	5.6	29	MMBZ5251BLT1OSCT-ND	2.30	12.96	21.60	—
24	5.2	33	MMBZ5252BLT1OSCT-ND	2.30	12.96	21.60	—
25	.5	35	MMBZ5253BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
27	4.6	41	MMBZ5254BLT1OSCT-ND	2.30	12.96	21.60	—
28	4.5	44	MMBZ5255BLT1OSCT-ND	2.30	12.96	21.60	—
30	4.2	49	MMBZ5256BLT1OSCT-ND	2.30	12.96	21.60	—
33	3.8	58	MMBZ5257BLT1OSCT-ND	2.30	12.96	21.60	—
36	3.4	70	MMBZ5258BLT1OSCT-ND	2.30	12.96	21.60	—
39	3.2	80	MMBZ5259BLT1OSCT-ND	2.30	12.96	21.60	—
47	2.7	105	MMBZ5261BLT1OSCT-ND	2.30	12.96	21.60	34.00/M
91	1.4	400	MMBZ5270BLT1OSCT-ND	2.30	12.96	21.60	34.00/M

** For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

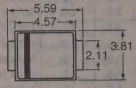
1.5W SMT — SMA



Zener Voltage	Test Current IZT (mA)	Zener Impedance (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel** Pricing 5,000
3.3	113.6	10	1SMA5913BT3OSCT-ND	3.50	25.20	47.25	—
3.3	113.6	10	1SMA5913BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
3.6	104.2	9.0	1SMA5914BT3OSCT-ND	3.50	25.20	47.25	—
3.6	104.2	9.0	1SMA5914BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
4.7	79.8	5.0	1SMA5917BT3OSCT-ND	3.50	25.20	47.25	112.00/M
4.7	79.8	5.0	1SMA5917BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
5.1	73.5	4.0	1SMA5918BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
5.6	66.9	2.0	1SMA5919BT3OSCT-ND	3.50	25.20	47.25	—
5.6	66.9	2.0	1SMA5919BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
6.2	60.5	2.0	1SMA5920BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
7.5	50	3.0	1SMA5922BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
8.2	45.7	3.5	1SMA5923BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
10	37.5	4.5	1SMA5925BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
12	31.2	6.5	1SMA5927BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
13	28.8	7.0	1SMA5928BT3OSCT-ND	3.50	25.20	47.25	—
13	28.8	7.0	1SMA5928BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
15	25	9.0	1SMA5929BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
15	50	10	BZG03C15OSCT-ND	3.50	25.20	47.25	114.00/M
15	50	10	BZG03C15GOSCT-ND◊	3.56	25.63	48.06	104.00/M
18	20.8	12	1SMA5931BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
24	15.6	19	1SMA5934BT3OSCT-ND	3.50	25.20	47.25	107.00/M
24	15.6	19	1SMA5934BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
27	13.9	23	1SMA5935BT3GOSCT-ND◊	3.56	25.63	48.06	104.00/M
150	5	300	BZG03C150OSCT-ND	3.50	25.20	47.25	112.00/M
150	5	300	BZG03C150GOSCT-ND◊	3.56	25.63	48.06	104.00/M

** For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

3W SMT — SMB



Zener Voltage	Test Current IZT (mA)	Zener Impedance (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel** Pricing 2,500
3.3	113.6	10	1SMB5913BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
3.6	104.2	9	1SMB5914BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
3.9	96.1	7.5	1SMB5915BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
4.3	87.2	6	1SMB5916BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
4.7	79.8	5	1SMB5917BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
5.1	73.5	4	1SMB5918BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
5.6	66.9	2	1SMB5919BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
6.2	60.5	2	1SMB5920BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
6.8	55.1	2.5	1SMB5921BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
7.5	50	3	1SMB5922BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
8.2	45.7	3.5	1SMB5923BT3OSCT-ND	3.76	27.04	50.69	—
8.2	45.7	3.5	1SMB5923BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
9.1	41.2	4	1SMB5924BT3OSCT-ND	3.76	27.04	50.69	128.00/M
9.1	41.2	4	1SMB5924BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
10	37.5	4.5	1SMB5925BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
12	31.2	6.5	1SMB5927BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
13	28.8	7	1SMB5928BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
15	25	9	1SMB5929BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
16	23.4	10	1SMB5930BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
30	12.5	28	1SMB5936BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
33	11.4	33	1SMB5937BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
36	10.4	38	1SMB5938BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
39	9.6	45	1SMB5939BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
47	8	67	1SMB5941BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
51	7.3	70	1SMB5942BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M
200	1.9	1200	1SMB5956BT3GOSCT-ND◊	3.86	27.76	52.04	119.00/M

** For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

C

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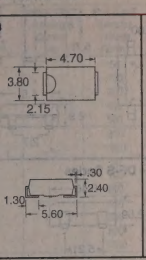
Schottky Rectifiers



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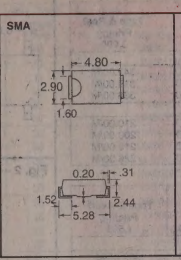

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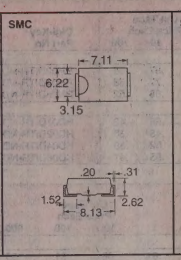
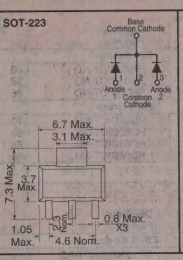
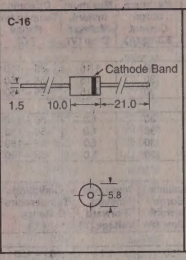


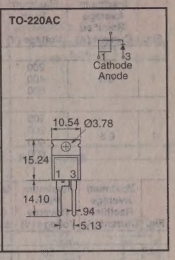
SOT-223



C-16



TO-220AC



C

VRRM (V)	VF (V)	IFSM(A) @ tp = 5µs Sine	TJ Junction Temp (°C)	Digi-Key Part No.	Price Each 1	10	100
				SMB			
15	0.34	140	-55 ~ 150	10BQ015-ND	.25	.20	.15
15	0.34	140	-55 ~ 150	10BQ015PBFCT-ND†	.50	.30	.20
15	0.34	140	-55 ~ 150	10BQ015PBFTR-ND†	426.00/3,000		
15	0.42	230	-55 ~ 125	MBRS130CT-ND	.58	.34	.22
30	0.42	230	-55 ~ 125	MBRS130TR-ND	474.00/3,000		
30	0.30	230	-55 ~ 125	MBRS130LCT-ND	.74	.43	.29
30	0.30	230	-55 ~ 125	MBRS130LTR-ND	590.18/3,000		
30	0.30	360	-55 ~ 150	STPS1L30UPBFCT-ND†	.53	.31	.21
30	0.30	360	-55 ~ 150	STPS1L30UPBFTR-ND†	448.05/3,000		
30	0.30	430	-55 ~ 150	10BQ030-ND	.55	.33	.21
30	0.30	430	-55 ~ 150	10BQ030PBFCT-ND†	.50	.30	.20
30	0.30	430	-55 ~ 150	10BQ030PBFTR-ND†	441.00/3,000		
40	0.53	430	-55 ~ 150	10BQ040-ND	.43	.26	.18
40	0.53	430	-55 ~ 150	10BQ040PBFCT-ND†	.46	.27	.18
40	0.53	430	-55 ~ 150	10BQ040PBFTR-ND†	405.00/3,000		
40	0.53	380	-55 ~ 150	MBRS140CT-ND	.45	.27	.18
40	0.53	380	-55 ~ 150	MBRS140TR-ND	366.00/3,000		
60	0.57	700	-55 ~ 150	10BQ060-ND	.24	.19	.14
60	0.57	700	-55 ~ 150	10BQ060PBFCT-ND†	.49	.29	.19
60	0.57	700	-55 ~ 150	10BQ060PBFTR-ND†	429.00/3,000		
90	0.63	870	-55 ~ 175	MBRS190CT-ND	.49	.29	.19
90	0.63	870	-55 ~ 175	MBRS190TR-ND	399.00/3,000		
100	0.78	780	-55 ~ 175	10BQ100-ND	.51	.31	.22
100	0.78	780	-55 ~ 175	10BQ100PBFCT-ND†	.44	.28	.21
100	0.78	780	-55 ~ 175	10BQ100PBFTR-ND†	483.00/3,000		
100	0.63	870	-55 ~ 175	MBRS1100CT-ND	.46	.27	.18
100	0.63	870	-55 ~ 175	MBRS1100TR-ND	378.00/3,000		
30	0.370	350	-55 ~ 150	20BQ030PBFCT-ND†	.84	.50	.33
30	0.370	350	-55 ~ 150	20BQ030PBFTR-ND†	738.00/3,000		
				SMA			
40	0.54	120	-55 ~ 150	10MQ040N-ND	.45	.27	.19
40	0.54	120	-55 ~ 150	10MQ040NPBFCT-ND†	.48	.29	.19
40	0.54	120	-55 ~ 150	10MQ040NPBFTR-ND†	1020.00/7,500		
40	0.42	330	-40 ~ 150	15MQ040N-ND	1.16	.71	.51
40	0.42	330	-40 ~ 150	15MQ040NPBFCT-ND†	.82	.48	.32
40	0.42	330	-40 ~ 150	15MQ040NPBFTR-ND†	1740.00/7,500		
40	0.49	120	-55 ~ 150	MBRA140CT-ND	.45	.26	.17
40	0.49	120	-55 ~ 150	MBRA140TR-ND	825.00/7,500		
60	0.63	40	-55 ~ 150	10MQ060N-ND	.39	.23	.16
60	0.63	40	-55 ~ 150	10MQ060NPBFCT-ND†	.41	.24	.16
60	0.63	40	-55 ~ 150	10MQ060NPBFTR-ND†	870.00/7,500		
100	0.78	120	-55 ~ 150	10MQ100N-ND	.20	.16	.12
100	0.78	120	-55 ~ 150	10MQ100NPBFCT-ND†	.41	.24	.16
100	0.78	120	-55 ~ 150	10MQ100NPBFTR-ND†	870.00/7,500		
				SMC			
15	0.35	650	-55 ~ 100	30BQ015-ND	.75	.60	.43
15	0.35	650	-55 ~ 100	30BQ015PBFCT-ND†	1.04	.68	.53
15	0.35	650	-55 ~ 100	30BQ015PBFTR-ND†	1251.00/3,000		
40	0.51	2000	-55 ~ 150	30BQ040-ND	.50	.40	.29
40	0.51	2000	-55 ~ 150	30BQ040PBFCT-ND†	.79	.50	.37
40	0.51	2000	-55 ~ 150	30BQ040PBFTR-ND†	861.00/3,000		
40	0.43	1580	-55 ~ 150	MBRS340CT-ND	.88	.44	.35
40	0.43	1580	-55 ~ 150	MBRS340TR-ND	762.00/3,000		
60	0.58	1200	-55 ~ 150	30BQ060-ND	.50	.40	.29
60	0.58	1200	-55 ~ 150	30BQ060PBFCT-ND†	.79	.50	.37

IF (A)	VRRM (V)	VF (V)	IFSM(A) @ tp = 5µs Sine	TJ Junction Temp (°C)	Digi-Key Part No.	Price Each 1	10	100
3	60	0.58	1200	-55 ~ 150	30BQ060PBFTR-ND†	831.00/3,000		
3	60	0.61	790	-55 ~ 150	MBRS360CT-ND	1.85	.93	.74
3	60	0.61	790	-55 ~ 150	MBRS360TR-ND	1660.50/3,000		
3	100	0.79	2100	-55 ~ 175	30BQ100-ND	.75	.48	.36
3	100	0.79	2100	-55 ~ 175	30BQ100PBFCT-ND†	.80	.50	.37
3	100	0.79	2100	-55 ~ 175	30BQ100TR-ND	900.00/3,000		
3	100	0.79	2100	-55 ~ 175	30BQ100PBFTR-ND†	870.00/3,000		
					SOT-223			
2	45	0.54	390	-55 ~ 150	20CJQ045-ND	.53	.42	.30
2	60	0.56	385	-55 ~ 150	20CJQ060-ND	.95	.76	.57
2	100	0.56	385	-55 ~ 150	20CJQ100-ND	1.74	1.09	.81
					C-16			
3.3	40	0.55	470	-40 ~ 150	31DQ04-ND	1.03	.88	.61
3	40	0.6	430	-40 ~ 150	MBR340IR-ND	.52	.31	.21
3	50	0.73	460	-40 ~ 150	MBR350-ND	.81	.48	.33
3.3	50	0.58	340	-40 ~ 150	31DQ05-ND	.58	.46	.33
3	60	0.73	460	-40 ~ 150	MBR360-ND	.80	.47	.33
3.3	60	0.58	340	-40 ~ 150	31DQ06-ND	1.11	.95	.66
3.3	60	0.58	340	-40 ~ 150	31DQ06TR-ND	475.20/1,200		
3.3	90	0.85	210	-40 ~ 150	31DQ09-ND	.99	.84	.58
3.3	90	0.85	210	-40 ~ 150	31DQ09TR-ND	434.40/1,200		
3.3	100	0.85	210	-40 ~ 150	31DQ10-ND	.83	.51	.38
					TO-220AC			
19	15	0.32	700	-55 ~ 100	19TQ015-ND	2.45	1.69	1.35
19	15	0.32	700	-55 ~ 100	19TQ015PBF-ND†	2.55	1.70	1.36
20	15	0.25	700	-55 ~ 125	20L15TPBF-ND†	1.83	1.18	.92
20	15	0.25	700	-55 ~ 125	STPS20L15DPBF-ND†	1.48	.95	.74
6	35	0.53	690	-55 ~ 175	6TQ035PBF-ND†	2.80	1.80	1.40
7.5	35	0.84	690	-65 ~ 150	MBR735PBF-ND†	1.08	.68	.50
10	35	0.49	1050	-55 ~ 175	10TQ035PBF-ND†	2.43	1.56	1.22
10	35	0.84	1080	-65 ~ 150	MBR1035PBF-ND†	1.69	1.06	.79
15	35	0.50	990	-55 ~ 150	12TQ035PBF-ND†	2.70	1.74	1.35
16	35	0.63	1060	-65 ~ 150	MBR1635PBF-ND†	2.14	1.38	1.07
18	35	0.6	1800	-55 ~ 175	18TQ035-ND	2.50	2.00	1.43
18	35	0.6	1800	-55 ~ 175	18TQ035PBF-ND†	2.80	1.80	1.40
20	35	0.51	1800	-55 ~ 150	20TQ035PBF-ND†	2.94	1.89	1.47
6	40	0.53	690	-55 ~ 175	6TQ040-ND	2.60	2.08	1.56
6	40	0.53	690	-55 ~ 175	6TQ040PBF-ND†	2.91	1.87	1.46
10	40	0.49	1050	-55 ~ 175	10TQ040PBF-ND†	2.55	1.64	1.28
15	40	0.50	990	-55 ~ 150	12TQ040PBF-ND†	2.87	1.85	1.44
18	40	0.53	1800	-55 ~ 175	18TQ040PBF-ND†	2.68	1.73	1.34
20	40	0.51	1800	-55 ~ 150	20TQ040PBF-ND†	3.12	2.01	1.56
7.5	45	0.57	690	-65 ~ 150	MBR745IR-ND	1.09	.67	.49
7.5	45	0.57	690	-65 ~ 150	MBR745PBF-ND†	1.08	.68	.50
10	45	0.57	1050	-65 ~ 150	MBR1045PBF-ND†	1.69	1.06	.79
15	45	0.50	990	-55 ~ 150	12TQ045PBF-ND†	3.01	1.94	1.51
16	45	0.57	1800	-65 ~ 150	MBR1645PBF-ND†	1.75	1.13	.88
6	45	0.53	690	-55 ~ 175	6TQ045PBF-ND†	3.12	2.01	1.56
10	45	0.57	1050	-55 ~ 175	10TQ045PBF-ND†	1.39	.90	.70
18	45	0.6	1800	-55 ~ 175	18TQ045PBF-ND†	2.98	1.92	1.49
20	45	0.57	1800	-65 ~ 150	20TQ045PBF-ND†	2.63	1.69	1.32
8	60	0.72	850	-55 ~ 175	8TQ060PBF-ND†	1.40	.90	.70
15	60	0.56	1000	-55 ~ 150	15TQ060PBF-ND†	3.33	2.14	1.67
8	80	0.72	850	-55 ~ 175	8TQ080PBF-ND†	3.25	2.17	1.74
8	100	0.58	850	-55 ~ 175	8TQ100PBF-ND†	2.78	1.86	1.49

† RoHS Compliant

Glass Passivated Bridge Rectifiers

Storage Temperature: -65°C ~ 150°C

Fig.	Maximum Average Rectified Current (A)	Maximum Peak Reverse Voltage (V)	Maximum Surge Current 8.3ms (A)	Maximum Instant. Voltage Drop (V)	Operating Temperature Range (°C)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
						RH Series					
1	0.5	200	30	1.15	-55 ~ 150	RH02DICT-ND	1.08	.87	.65	RH02DITR-ND	342.00/M
		400	30	1.15	-55 ~ 150	RH04DICT-ND	.96	.77	.58	RH04DITR-ND	319.00/M
		600	30	1.15	-55 ~ 150	RH06DICT-ND	.86	.68	.52	RH06DITR-ND	338.00/M
						HD Series					
1	0.8	100	30	1.0	-55 ~ 150	HD01DICT-ND	.70	.56	.42	HD01DITR-ND	210.00/M
		200	30	1.0	-55 ~ 150	HD02DICT-ND	.60	.48	.36	HD02DITR-ND	200.00/M
		400	30	1.0	-55 ~ 150	HD04DICT-ND	.64	.52	.39	HD04DITR-ND	213.00/M
		600	30	1.0	-55 ~ 150	HD06DICT-ND	.68	.55	.41	HD06DITR-ND	226.00/M

Fig.	Maximum Average Rectified Current (A)	Maximum Peak Reverse Voltage (V)	Maximum Surge Current 8.3ms (A)	Maximum Instant. Forward Voltage (V)	Operating Temperature Range (°C)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	500	Tape & Reel§ Pricing 1,500
						DF-S Series					
2	1.5	50	50	1.1	-65 ~ 150	DF15005SDICT-ND	.84	.68	.51	.35	305.00/M
		100	50	1.1	-65 ~ 150	DF1501SDICT-ND	.84	.68	.51	.35	305.00/M
		200	50	1.1	-65 ~ 150	DF1502SDICT-ND	.84	.68	.51	.35	305.00/M
		400	50	1.1	-65 ~ 150	DF1504SDICT-ND	.84	.68	.51	.35	305.00/M
		600	50	1.1	-65 ~ 150	DF1506SDICT-ND	.96	.77	.58	.40	348.00/M
		800	50	1.1	-65 ~ 150	DF1508SDICT-ND◊ ***NEW!***	1.01	.88	.68	.45	392.00/M
		1000	50	1.1	-65 ~ 150	DF1510SDICT-ND	.89	.71	.54	.40	359.00/M

§ For Tape and Reel part number, change CT-ND to TR-ND. ◊ ***RoHS Compliant***

Fig.	Maximum Average Rectified Current (A)	Maximum Peak Reverse Voltage (V)	Maximum Surge Current 8.3ms (A)	Maximum Instant. Forward Voltage (V)	Operating Temperature Range (°C)	Digi-Key Part No.	Price Each 1	10	100	500
						DF-S Series				
2	1.0	50	50	1.1	-65 ~ 150	DF005SDI-ND	.76	.61	.46	.32
		100	50	1.1	-65 ~ 150	DF01SDI-ND	.76	.61	.46	.32
		200	50	1.1	-65 ~ 150	DF02SDI-ND	.76	.61	.46	.32
		400	50	1.1	-65 ~ 150	DF04SDI-ND	.76	.61	.46	.32
		600	50	1.1	-65 ~ 150	DF06SDI-ND	.88	.71	.53	.37
		800	50	1.1	-65 ~ 150	DF08SDI-ND	.96	.77	.58	.40
		1000	50	1.1	-65 ~ 150	DF10SDI-ND	.96	.77	.58	.40
						DF-M Series				
3	1.0	50	45	1.1	-65 ~ 150	DF005MDI-ND	.60	.48	.36	.25
		100	45	1.1	-65 ~ 150	DF01MDI-ND	.60	.48	.36	.25
		200	45	1.1	-65 ~ 150	DF02MDI-ND	.60	.48	.36	.25
		400	45	1.1	-65 ~ 150	DF04MDI-ND	.60	.48	.36	.25
		600	45	1.1	-65 ~ 150	DF06MDI-ND	.72	.58	.44	.30
		800	45	1.1	-65 ~ 150	DF08MDI-ND	.80	.64	.48	.33
		1000	45	1.1	-65 ~ 150	DF10MDI-ND	.80	.64	.48	.33
						WxxG Series				
4	1.5	50	50	1.0	-65 ~ 150	W005GDI-ND	.65	.52	.39	.24
		100	50	1.0	-65 ~ 150	W01GDI-ND	.70	.56	.42	.26
		200	50	1.0	-65 ~ 150	W02GDI-ND	.60	.48	.36	.25
		400	50	1.0	-65 ~ 150	W04GDI-ND	.64	.52	.39	.27
		600	50	1.0	-65 ~ 150	W06GDI-ND	.68	.55	.41	.29
		800	50	1.0	-65 ~ 150	W08GDI-ND	.70	.56	.42	.26
		1000	50	1.0	-65 ~ 150	W10GDI-ND	.72	.58	.44	.30
						KBP Series				
5	1.5	50	40	1.1	-55 ~ 125	KBP005G-ND	1.08	.87	.65	.45
		100	40	1.1	-55 ~ 125	KBP01G-ND	.94	.82	.63	.42
		200	40	1.1	-55 ~ 125	KBP02G-ND	.98	.85	.65	.44
		400	40	1.1	-55 ~ 125	KBP04G-ND	1.01	.88	.68	.45
		600	40	1.1	-55 ~ 125	KBP06G-ND	1.05	.91	.70	.47
		800	40	1.1	-55 ~ 125	KBP08G-ND	1.13	.98	.75	.50
		1000	40	1.1	-55 ~ 125	KBP10G-ND	1.20	1.04	.80	.54
	2.0	50	65	1.1	-65 ~ 150	KBP2005GDI-ND	1.08	.87	.65	.45
		100	65	1.1	-65 ~ 150	KBP201GDI-ND	.94	.82	.63	.42
		200	65	1.1	-65 ~ 150	KBP202GDI-ND	.98	.85	.65	.44
		400	65	1.1	-65 ~ 150	KBP204GDI-ND	1.01	.88	.68	.45
		600	65	1.1	-65 ~ 150	KBP206GDI-ND	1.05	.91	.70	.47
		1000	65	1.1	-65 ~ 150	KBP210GDI-ND	1.20	1.04	.80	.54
						GBU Series				
6	4.0	100	150	1.0	-55 ~ 150	GBU401DI-ND	1.35	1.07	.82	.60
		400	150	1.0	-55 ~ 150	GBU404DI-ND	1.42	1.12	.86	.63
		1000	150	1.0	-55 ~ 150	GBU410DI-ND	1.38	1.08	.85	.69
	6.0	100	175	1.0	-55 ~ 150	GBU601DI-ND	1.55	1.23	.94	.69
		400	175	1.0	-55 ~ 150	GBU604DI-ND	1.62	1.28	.98	.72
		1000	175	1.0	-55 ~ 150	GBU610DI-ND	1.51	1.18	.93	.76
	8.0	50	200	1.0	-55 ~ 150	GBU8005DI-ND	1.38	1.08	.85	.69
		100	200	1.0	-55 ~ 150	GBU801DI-ND	1.40	1.10	.87	.71
		200	200	1.0	-55 ~ 150	GBU802DI-ND	1.43	1.12	.88	.72
		400	200	1.0	-55 ~ 150	GBU804DI-ND	1.46	1.14	.90	.73
		600	200	1.0	-55 ~ 150	GBU806DI-ND	1.51	1.18	.93	.76
		1000	200	1.0	-55 ~ 150	GBU810DI-ND	1.70	1.33	1.05	.86
						GBJ Series				
7	6.0	50	170	1.0	-65 ~ 150	GBJ6005DI-ND	1.73	1.35	1.07	.87
		50	170	1.0	-65 ~ 150	GBJ6005-FDI-ND◊	1.92	1.60	1.35	.96
		100	170	1.0	-65 ~ 150	GBJ601-FDI-ND◊	1.98	1.65	1.39	.99
		200	170	1.0	-65 ~ 150	GBJ602-FDI-ND◊	2.01	1.68	1.41	1.01
		400	170	1.0	-65 ~ 150	GBJ604-FDI-ND◊	2.04	1.70	1.43	1.02
		600	170	1.0	-65 ~ 150	GBJ606-FDI-ND◊	2.10	1.75	1.47	1.05
		1000	170	1.0	-65 ~ 150	GBJ610DI-ND	2.05	1.60	1.27	1.03
		1000	170	1.0	-65 ~ 150	GBJ610-FDI-ND◊	2.28	1.90	1.60	1.14
	8.0	50	170	1.0	-65 ~ 150	GBJ8005DI-ND	1.84	1.43	1.13	.92
		50	170	1.0	-65 ~ 150	GBJ8005-FDI-ND◊	2.04	1.70	1.43	1.02
		100	170	1.0	-65 ~ 150	GBJ801DI-ND	1.89	1.47	1.17	.95
		100	170	1.0	-65 ~ 150	GBJ801-FDI-ND◊	2.10	1.75	1.47	1.05
		200	170	1.0	-65 ~ 150	GBJ802-FDI-ND◊	2.13	1.78	1.50	1.07
		400	170	1.0	-65 ~ 150	GBJ804-FDI-ND◊	2.16	1.80	1.52	1.08
		600	170	1.0	-65 ~ 150	GBJ806-FDI-ND◊	2.22	1.85	1.56	1.11
		1000	170	1.0	-65 ~ 150	GBJ810-FDI-ND◊	2.46	2.05	1.73	1.23

◊ ***RoHS Compliant***

Fig. 1 — RH and HD Series

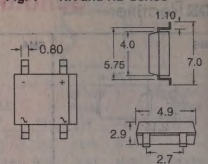


Fig. 2 — DF-S Series

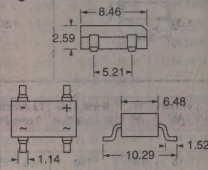


Fig. 3 — DF-M Series

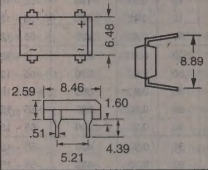


Fig. 4 — WxxG Series

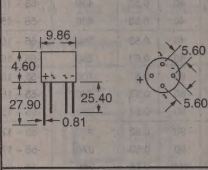


Fig. 5 — KBP Series

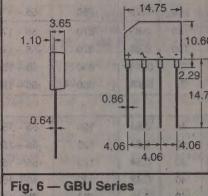


Fig. 6 — GBU Series

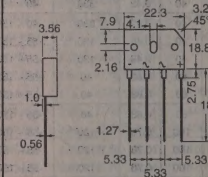


Fig. 7 — GBJ Series

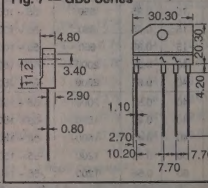


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Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (Vrrm)	Max. Surge Current 8.3ms (A)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing
1	1.0	50	30	1.1	1N4001DICT-ND	.26	1.36	7.65	27.63	1N4001DITR-ND	5,000	20.00/M
		100	30	1.1	1N4002DICT-ND	.26	1.36	7.65	27.63	1N4002DITR-ND	5,000	20.00/M
		200	30	1.1	1N4003DICT-ND	.26	1.36	7.65	27.63	1N4003DITR-ND	5,000	20.00/M
		400	30	1.1	1N4004DICT-ND	.26	1.36	7.65	27.63	1N4004DITR-ND	5,000	20.00/M
		600	30	1.1	1N4005DICT-ND	.26	1.36	7.65	27.63	1N4005DITR-ND	5,000	20.00/M
		800	30	1.1	1N4006DICT-ND	.26	1.36	7.65	27.63	1N4006DITR-ND	5,000	20.00/M
		1000	30	1.1	1N4007DICT-ND	.26	1.36	7.65	27.63	1N4007DITR-ND	5,000	20.00/M
		50	30	1.0	1N4001GDICT-ND	.37	2.20	14.30	59.40	1N4001GDITR-ND	5,000	44.00/M
		100	30	1.0	1N4002GDICT-ND	.41	2.40	15.60	64.80	1N4002GDITR-ND	5,000	48.00/M
		200	30	1.0	1N4003GDICT-ND	.44	2.60	16.90	70.20	1N4003GDITR-ND	5,000	52.00/M
		400	30	1.0	1N4004GDICT-ND	.46	2.70	17.55	72.90	1N4004GDITR-ND	5,000	54.00/M
		600	30	1.0	1N4005GDICT-ND	.49	2.90	18.85	78.30	1N4005GDITR-ND	5,000	58.00/M
		800	30	1.0	1N4006GDICT-ND	.34	2.33	16.12	71.30	1N4006GDITR-ND	5,000	56.00/M
		1000	30	1.0	1N4007GDICT-ND	.36	2.48	17.16	75.90	1N4007GDITR-ND	5,000	59.00/M
2	1.0	50	30	1.1	S1AB-FDICT-ND◊	.43	3.13	22.00	100.00	S1AB-FDITR-ND◊	3,000	90.00/M
		100	30	1.1	S1BB-FDICT-ND◊	.44	3.25	22.88	104.00	S1BB-FDITR-ND◊	3,000	94.00/M
		200	30	1.1	S1DB-FDICT-ND◊	.46	3.38	23.76	108.00	S1DB-FDITR-ND◊	3,000	97.00/M
		400	30	1.1	S1GBDICT-ND	.48	3.50	24.64	112.00	—	—	—
		400	30	1.1	S1GB-FDICT-ND◊	.48	3.50	24.64	112.00	S1GB-FDITR-ND◊	3,000	101.00/M
		600	30	1.1	S1JB-FDICT-ND◊	.49	3.63	25.52	116.00	S1JB-FDITR-ND◊	3,000	104.00/M
		800	30	1.1	S1KB-FDICT-ND◊	.39	3.00	21.60	108.00	S1KB-FDITR-ND◊	3,000	102.00/M
		1000	30	1.1	S1MB-FDICT-ND◊	.44	3.40	24.48	122.40	S1MB-FDITR-ND◊	3,000	116.00/M
3	1.0	50	30	1.1	DL4001DICT-ND	.43	2.93	20.28	89.70	—	—	—
		50	30	1.1	DL4001-FDICT-ND◊	.43	2.93	20.28	89.70	DL4001-FDITR-ND◊	5,000	70.00/M
		100	30	1.1	DL4002DICT-ND	.43	2.93	20.28	89.70	DL4002DITR-ND	5,000	70.00/M
		100	30	1.1	DL4002-FDICT-ND◊	.43	2.93	20.28	89.70	DL4002-FDITR-ND◊	5,000	70.00/M
		200	30	1.1	DL4003DICT-ND	.43	2.93	20.28	89.70	—	—	—
		200	30	1.1	DL4003-FDICT-ND◊	.43	2.93	20.28	89.70	DL4003-FDITR-ND◊	5,000	70.00/M
		400	30	1.1	DL4004DICT-ND	.43	2.93	20.28	89.70	DL4004DITR-ND	5,000	70.00/M
		400	30	1.1	DL4004-FDICT-ND◊	.43	2.93	20.28	89.70	DL4004-FDITR-ND◊	5,000	70.00/M
		600	30	1.1	DL4005DICT-ND	.46	3.15	21.84	96.60	DL4005DITR-ND	5,000	76.00/M
		600	30	1.1	DL4005-FDICT-ND◊	.46	3.15	21.84	96.60	DL4005-FDITR-ND◊	5,000	76.00/M
		800	30	1.1	DL4006DICT-ND	.46	3.15	21.84	96.60	—	—	—
		800	30	1.1	DL4006-FDICT-ND◊	.46	3.15	21.84	96.60	DL4006-FDITR-ND◊	5,000	76.00/M
		1000	30	1.1	DL4007DICT-ND	.46	3.15	21.84	96.60	DL4007DITR-ND	5,000	76.00/M
		1000	30	1.1	DL4007-FDICT-ND◊	.46	3.15	21.84	96.60	DL4007-FDITR-ND◊	5,000	76.00/M
4	1.0	50	30	1.0	S1A-FDICT-ND◊	.47	3.23	22.36	98.90	S1A-FDITR-ND◊	5,000	77.00/M
		100	30	1.1	S1B-FDICT-ND◊	.48	3.30	22.88	101.20	S1B-FDITR-ND◊	5,000	79.00/M
		200	30	1.0	S1D-FDICT-ND◊	.38	2.81	19.80	90.00	S1D-FDITR-ND◊	5,000	77.00/M
		400	30	1.0	S1GDICT-ND	.39	2.88	20.24	92.00	—	—	—
		400	30	1.0	S1G-FDICT-ND◊	.39	2.88	20.24	92.00	S1G-FDITR-ND◊	5,000	78.00/M
		600	30	1.1	S1J-FDICT-ND◊	.41	3.00	21.12	96.00	S1J-FDITR-ND◊	5,000	82.00/M
		800	30	1.0	S1K-FDICT-ND◊	.47	3.44	24.20	110.00	S1K-FDITR-ND◊	5,000	94.00/M
		1000	30	1.0	S1MDICT-ND	.41	3.15	22.68	113.40	—	—	—
		1000	30	1.0	S1M-FDICT-ND◊	.41	3.15	22.68	113.40	S1M-FDITR-ND◊	5,000	101.00/M
	1.5	50	50	1.15	S2AA-FDICT-ND◊	.39	3.00	21.60	108.00	S2AA-FDITR-ND◊	5,000	96.00/M
		100	50	1.15	S2BADICT-ND	.39	3.00	21.60	108.00	—	—	—
		100	50	1.15	S2BA-FDICT-ND◊	.39	3.00	21.60	108.00	S2BA-FDITR-ND◊	5,000	96.00/M
		200	50	1.15	S2DA-FDICT-ND◊	.39	3.00	21.60	108.00	S2DA-FDITR-ND◊	5,000	96.00/M
		400	50	1.15	S2GADICT-ND	.39	3.00	21.60	108.00	S2GADITR-ND	5,000	96.00/M
		400	50	1.15	S2GA-FDICT-ND◊	.39	3.00	21.60	108.00	S2GA-FDITR-ND◊	5,000	96.00/M
		600	50	1.15	S2JADICT-ND	.46	3.50	25.20	126.00	—	—	—
		600	50	1.15	S2JA-FDICT-ND◊	.46	3.50	25.20	126.00	S2JA-FDITR-ND◊	5,000	112.00/M
		800	50	1.15	S2KA-FDICT-ND◊	.46	3.50	25.20	126.00	S2KA-FDITR-ND◊	5,000	112.00/M
		1000	50	1.15	S2MADICT-ND	.46	3.50	25.20	126.00	—	—	—
		1000	50	1.15	S2MA-FDICT-ND◊	.46	3.50	25.20	126.00	S2MA-FDITR-ND◊	5,000	112.00/M
5	1.5	50	30	1.5	S2A-FDICT-ND◊	.43	3.13	22.00	100.00	S2A-FDITR-ND◊	3,000	90.00/M
		100	30	1.5	S2B-FDICT-ND◊	.43	3.13	22.00	100.00	S2B-FDITR-ND◊	3,000	90.00/M
		200	30	1.5	S2DDICT-ND	.43	3.13	22.00	100.00	—	—	—
		200	30	1.5	S2D-FDICT-ND◊	.43	3.13	22.00	100.00	S2D-FDITR-ND◊	3,000	90.00/M
		400	30	1.5	S2GDICT-ND	.43	3.13	22.00	100.00	S2GDITR-ND	3,000	90.00/M
		400	30	1.5	S2G-FDICT-ND◊	.43	3.13	22.00	100.00	S2G-FDITR-ND◊	3,000	90.00/M
		600	30	1.5	S2JDICT-ND	.39	3.00	21.60	108.00	S2JDITR-ND	3,000	102.00/M
		600	30	1.5	S2J-FDICT-ND◊	.39	3.00	21.60	108.00	S2J-FDITR-ND◊	3,000	102.00/M
		800	50	1.15	S2KDICT-ND	.39	3.00	21.60	108.00	S2KDITR-ND	3,000	102.00/M
		800	50	1.15	S2K-FDICT-ND◊	.39	3.00	21.60	108.00	S2K-FDITR-ND◊	3,000	102.00/M
		1000	30	1.5	S2M-FDICT-ND◊	.39	3.00	21.60	108.00	S2M-FDITR-ND◊	3,000	102.00/M
	3.0	50	100	1.15	S3ABDICT-ND	.65	5.20	39.00	208.00	S3ABDITR-ND	3,000	195.00/M
		50	100	1.15	S3AB-FDICT-ND◊	.65	5.20	39.00	208.00	S3AB-FDITR-ND◊	3,000	195.00/M
		100	100	1.15	S3BB-FDICT-ND◊	.65	5.20	39.00	208.00	S3BB-FDITR-ND◊	3,000	195.00/M
		200	100	1.15	S3DB-FDICT-ND◊	.65	5.20	39.00	208.00	S3DB-FDITR-ND◊	3,000	195.00/M
		400	100	1.15	S3GB-FDICT-ND◊	.65	5.20	39.00	208.00	S3GB-FDITR-ND◊	3,000	195.00/M
		600	100	1.15	S3JBDICT-ND	.68	5.44	40.80	246.50	S3JBDITR-ND	3,000	226.00/M
		600	100	1.15	S3JB-FDICT-ND◊	.77	6.12	45.90	263.50	S3JB-FDITR-ND◊	3,000	242.00/M
		800	100	1.15	S3KBDICT-ND	.68	5.44	40.80	246.50	—	—	—
		800	100	1.15	S3KB-FDICT-ND◊	.77	6.12	45.90	263.50	S3KB-FDITR-ND◊	3,000	242.00/M
		1000	100	1.15	S3MB-FDICT-ND◊	.77	6.12	45.90	263.50	S3MB-FDITR-ND◊	3,000	242.00/M
6	3.0	50	100	1.15	S3ADICT-ND	.70	5.60	42.00	224.00	—	—	—
		50	100	1.15	S3A-FDICT-ND◊	.70	5.60	42.00	224.00	S3A-FDITR-ND◊	3,000	210.00/M
		100	100	1.15	S3B-FDICT-ND◊	.70	5.60	42.00	224.00	S3B-FDITR-ND◊	3,000	210.00/M
		200	100	1.15	S3DDICT-ND	.70	5.60	42.00	224.00	—	—	—
		200	100	1.15	S3D-FDICT-ND◊	.70	5.60	42.00	224.00	S3D-FDITR-ND◊	3,000	196.00/M
		400	100	1.15	S3GDICT-ND	.70	5.60	42.00	224.00	—	—	—
		400	100	1.15	S3G-FDICT-ND◊	.70	5.60	42.00	224.00	S3G-FDITR-ND◊	3,000	210.00/M
		600	100	1.15	S3JDICT-ND	.72	5.76	43.20	261.00	—	—	—
		600	100	1.15	S3J-FDICT-ND◊	.81	6.48	48.60	279.00	S3J-FDITR-ND◊	3,000	257.00/M
		800	100	1.15	S3KDICT-ND	.72	5.76	43.20	261.00	S3KDITR-ND	3,000	239.00/M
		800	100	1.15	S3K-FDICT-ND◊	.81	6.48	48.60	279.00	S3K-FDITR-ND◊	3,000	257.00/M
		1000	100	1.15	S3MDICT-ND	.72	5.76	43.20	261.00	—	—	—
		1000	100	1.15	S3M-FDICT-ND◊	.81	6.48	48.60	279.00	S3M-FDITR-ND◊	3,000	257.00/M

◊ RoHS Compliant

(Continued)

Fig. 1 — DO-41

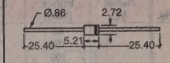


Fig. 2 — SMB

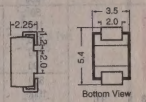


Fig. 3 — MELF (DL-41)

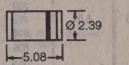


Fig. 4 — SMA

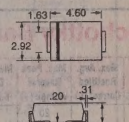


Fig. 5 — SMB

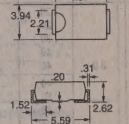


Fig. 6 — SMC

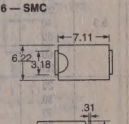
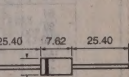


Fig. 7 — DO-15



Silicon and Glass Passivated Rectifiers *(Cont.)*

Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (Vrrm)	Max. Surge Current 8.3ms (A)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing
		50	100	1.15	S5AC-FDICT-ND◊	.72	5.76	43.20	248.00	S5AC-FDITR-ND◊	3,000	228.00/M
		100	100	1.15	S5BC-FDICT-ND◊	.77	6.12	45.90	263.50	S5BC-FDITR-ND◊	3,000	242.00/M
		200	100	1.15	S5DC-FDICT-ND◊	.81	6.48	48.60	279.00	S5DC-FDITR-ND◊	3,000	257.00/M
		400	100	1.15	S5GC-FDICT-ND◊	.90	7.20	54.00	310.00	S5GC-FDITR-ND◊	3,000	285.00/M
6	5.0	600	100	1.15	S5JCDICT-ND	.84	6.72	50.40	—	—	—	—
		600	100	1.15	S5JC-FDICT-ND◊	.95	7.56	56.70	325.50	S5JC-FDITR-ND◊	3,000	299.00/M
		800	100	1.15	S5KCDICT-ND	.92	7.36	55.20	—	S5KCDITR-ND	3,000	306.00/M
		800	100	1.15	S5KC-FDICT-ND◊	1.04	8.28	62.10	356.50	S5KC-FDITR-ND◊	3,000	328.00/M
		1000	100	1.15	S5MC-FDICT-ND◊	.94	8.13	62.50	362.50	S5MC-FDITR-ND◊	3,000	333.00/M
		400	70	1.0	RL204DICT-ND	.34	2.33	16.12	71.30	RL204DITR-ND	4,000	62.00/M
7	2.0	600	70	1.0	RL205DICT-ND	.35	2.40	16.64	73.60	RL205DITR-ND	4,000	64.00/M
		800	70	1.0	RL206DICT-ND	.39	2.63	18.20	80.50	RL206DITR-ND	4,000	70.00/M
		1000	70	1.0	RL207DICT-ND	.40	2.70	18.72	82.80	RL207DITR-ND	4,000	72.00/M
		50	200	0.95	1N5400DICT-ND	.41	2.78	19.24	—	1N5400DITR-ND	1,200	85.00/M
		100	200	0.95	1N5401DICT-ND	.41	2.78	19.24	—	1N5401DITR-ND	1,200	85.00/M
		200	200	0.95	1N5402DICT-ND	.41	2.78	19.24	—	1N5402DITR-ND	1,200	85.00/M
		400	200	0.95	1N5404DICT-ND	.41	2.78	19.24	—	1N5404DITR-ND	1,200	85.00/M
		600	200	0.95	1N5406DICT-ND	.41	2.78	19.24	—	1N5406DITR-ND	1,200	85.00/M
		800	200	0.95	1N5407DICT-ND	.41	2.78	19.24	—	1N5407DITR-ND	1,200	85.00/M
8	3.0	1000	200	0.95	1N5408DICT-ND	.41	2.78	19.24	—	1N5408DITR-ND	1,200	85.00/M
		50	125	1.0	1N5400GDICT-ND	.47	3.60	25.92	—	1N5400GDITR-ND	1,200	130.00/M
		100	125	1.0	1N5401GDICT-ND	.48	3.70	26.64	—	1N5401GDITR-ND	1,200	133.00/M
		200	125	1.0	1N5402GDICT-ND	.50	3.85	27.72	—	1N5402GDITR-ND	1,200	139.00/M
		400	125	1.0	1N5404GDICT-ND	.53	4.10	29.52	—	1N5404GDITR-ND	1,200	148.00/M
		600	125	1.0	1N5406GDICT-ND	.58	4.45	32.04	—	1N5406GDITR-ND	1,200	160.00/M
		800	125	1.0	1N5407GDICT-ND	.46	3.64	27.30	—	1N5407GDITR-ND	1,200	146.00/M
		1000	125	1.0	1N5408GDICT-ND	.51	4.04	30.30	—	1N5408GDITR-ND	1,200	162.00/M
		50	400	0.9	6A05DICT-ND	.48	3.80	28.50	—	6A05DITR-ND	500	85.50
		100	400	0.9	6A1DICT-ND	.48	3.80	28.50	—	6A1DITR-ND	500	85.50
		200	400	0.9	6A2DICT-ND	.48	3.80	28.50	—	6A2DITR-ND	500	85.50
9	6.0	400	400	0.9	6A4DICT-ND	.48	3.80	28.50	—	6A4DITR-ND	500	85.50
		600	400	0.9	6A6DICT-ND	.48	3.80	28.50	—	6A6DITR-ND	500	85.50
		800	400	0.9	6A8DICT-ND	.48	3.80	28.50	—	6A8DITR-ND	500	85.50
		1000	400	0.9	6A10DICT-ND	.48	3.80	28.50	—	6A10DITR-ND	500	85.50
10	1.0	200	25	1.1	DFLR1200DICT-ND◊	.60	4.80	36.00	192.00	DFLR1200DITR-ND◊	3,000	180.00/M
		400	25	1.1	DFLR1400DICT-ND◊	.60	4.80	36.00	192.00	DFLR1400DITR-ND◊	3,000	180.00/M
11	3.0	400	100	1.15	PDR3GDICT-ND◊	.81	6.48	48.60	279.00	PDR3GDITR-ND◊	5,000	243.00/M
	5.0	400	100	1.15	PDR5GDICT-ND◊	.95	7.56	56.70	325.50	PDR5GDITR-ND◊	5,000	284.00/M

◊ RoHS Compliant

Fig. 8 — DO-201AD

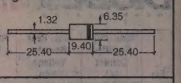


Fig. 9 — R-6

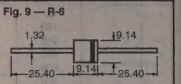


Fig. 10 — *PowerDI™123*

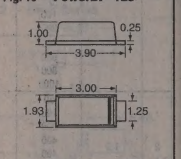
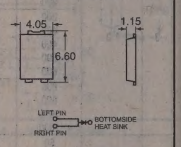


Fig. 11 — *PowerDI™5*



Schottky Barrier Rectifiers

Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (V)	Max. Surge Current 8.3ms (A)	Max. Rev. Current @ 25°C (mA)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing
		20	25	1.0	0.45	1N5817DICT-ND	.39	.30	.22	1N5817DITR-ND	5,000	96.00/M
		20	40	1.0	0.55	SR102DICT-ND	.49	.38	.27	SR102DITR-ND	5,000	120.00/M
		30	25	1.0	0.55	1N5818DICT-ND	.39	.30	.22	1N5818DITR-ND	5,000	96.00/M
		40	25	1.0	0.60	1N5819DICT-ND	.39	.30	.22	1N5819DITR-ND	5,000	96.00/M
1	1.0	30	40	1.0	0.55	SR103DICT-ND	.49	.38	.27	SR103DITR-ND	5,000	120.00/M
		40	40	1.0	0.55	SR104DICT-ND	.49	.38	.27	SR104DITR-ND	5,000	120.00/M
		50	40	1.0	0.70	SR105DICT-ND	.52	.40	.29	SR105DITR-ND	5,000	128.00/M
		60	40	1.0	0.70	SR106DICT-ND	.53	.42	.32	SR106DITR-ND	5,000	147.00/M
		100	25	0.5	0.80	SB1100DICT-ND	.55	.44	.33	SB1100DITR-ND	5,000	154.00/M
		20	80	2.0	0.475	1N5820DICT-ND	.68	.54	.41	1N5820DITR-ND	1,200	216.00/M
		20	150	3.0	0.55	SR302DICT-ND	.60	.48	.36	SR302DITR-ND	1,200	218.00/M
		30	80	2.0	0.500	1N5821DICT-ND	.68	.54	.41	1N5821DITR-ND	1,200	216.00/M
		40	80	2.0	0.525	1N5822DICT-ND	.68	.54	.41	1N5822DITR-ND	1,200	216.00/M
	3.0	40	150	3.0	0.55	SR304DICT-ND	.60	.48	.36	SR304DITR-ND	1,200	218.00/M
		40	150	3.0	0.55	SR304-FDICT-ND◊	.68	.54	.41	SR304-FDITR-ND◊	1,200	233.00/M
		50	150	3.0	0.75	SR305DICT-ND	.64	.52	.39	SR305DITR-ND	1,200	232.00/M
2		60	150	3.0	0.75	SR306DICT-ND	.68	.55	.41	SR306DITR-ND	1,200	247.00/M
		100	80	0.5	0.80	SB3100DICT-ND	.80	.64	.48	SB3100DITR-ND	1,200	290.00/M
		20	250	10.0	0.57	SR502DICT-ND	.88	.71	.53	SR502DITR-ND	1,200	319.00/M
		20	250	10.0	0.57	SR502-FDICT-ND◊	.99	.80	.60	SR502-FDITR-ND◊	1,200	341.00/M
		30	250	10.0	0.57	SR503DICT-ND	.92	.74	.56	SR503DITR-ND	1,200	334.00/M
	5.0	40	250	10.0	0.57	SR504DICT-ND	.96	.77	.58	SR504DITR-ND	1,200	348.00/M
		50	150	1.0	0.67	SR505DICT-ND	.65	.52	.39	SR505DITR-ND	1,200	208.00/M
		60	150	1.0	0.67	SR506DICT-ND	.65	.52	.39	SR506DITR-ND	1,200	208.00/M
		100	150	0.5	0.80	SB5100DICT-ND	1.12	.89	.68	SB5100DITR-ND	1,200	452.00/M
		20	30	0.5	0.50	B120-FDICT-ND◊	.55	.44	.33	B120-FDITR-ND◊	5,000	154.00/M
		30	30	0.5	0.50	B130DICT-ND	.58	.46	.35	—	—	—
		30	30	0.5	0.50	B130-FDICT- ND◊	.58	.46	.35	B130-FDITR-ND◊	5,000	161.00/M
		30	25	1.0	0.41	B130L-FDICT-ND◊	.68	.54	.41	B130L-FDITR-ND◊	5,000	189.00/M
		40	30	0.5	0.50	B140DICT-ND	.60	.48	.36	—	—	—
		40	30	0.5	0.50	B140-FDICT-ND◊	.60	.48	.36	B140-FDITR-ND◊	5,000	168.00/M
	1.0	50	30	0.5	0.70	B150-FDICT-ND◊	.70	.56	.42	B150-FDITR-ND◊	5,000	209.00/M
		60	30	0.5	0.70	B160-FDICT-ND◊	.86	.69	.52	B160-FDITR-ND◊	5,000	257.00/M
		70	30	0.5	0.79	B170-FDICT-ND◊	.88	.71	.53	B170-FDITR-ND◊	5,000	263.00/M
3		80	30	0.5	0.79	B180DICT-ND	.80	.64	.48	B180DITR-ND	5,000	255.00/M
		80	30	0.5	0.79	B180-FDICT-ND◊	.90	.72	.54	B180-FDITR-ND◊	5,000	270.00/M
		90	30	0.5	0.79	B190-FDICT-ND◊	.92	.74	.56	B190-FDITR-ND◊	5,000	277.00/M
		100	30	0.5	0.79	B1100-FDICT-ND◊	.84	.68	.51	B1100-FDITR-ND◊	5,000	268.00/M
		20	50	0.5	0.50	B220A-FDICT-ND◊	.86	.69	.52	B220A-FDITR-ND◊	5,000	257.00/M
		30	50	0.5	0.50	B230A-FDICT-ND◊	.92	.74	.56	B230A-FDITR-ND◊	5,000	277.00/M
	2.0	40	50	0.5	0.50	B240A-FDICT-ND◊	.86	.69	.52	B240A-FDITR-ND◊	5,000	274.00/M
		50	50	0.5	0.70	B250A-FDICT-ND◊	1.01	.81	.61	B250A-FDITR-ND◊	5,000	304.00/M
		60	50	0.5	0.70	B260A-FDICT-ND◊	1.08	.87	.65	B260A-FDITR-ND◊	5,000	324.00/M

◊ RoHS Compliant

Fig. 1 — DO-41

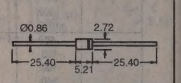


Fig. 2 — DO-201AD

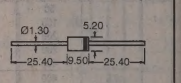


Fig. 3 — SMA

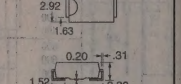
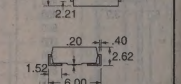


Fig. 4 — SMB



(Continued)

x. Avg. ctified rent (A)	Max. Peak Reverse Voltage (V)	Max. Surge Current 8.3ms (A)	Max. Rev. Current @ 25°C (mA)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing
	20	100	0.5	0.50	B320A-FDICT-ND◊	.96	.77	.58	B320A-FDITR-ND◊	5,000	306.00/M
	30	100	0.5	0.50	B330ADICT-ND	.83	.65	.50	B330ADITR-ND	5,000	319.00/M
	30	100	0.5	0.50	B330A-FDICT-ND◊	.94	.82	.63	B330A-FDITR-ND◊	5,000	319.00/M
3.0	40	100	0.5	0.50	B340A-FDICT-ND◊	.98	.85	.65	B340A-FDITR-ND◊	5,000	332.00/M
	40	70	1.0	0.35	B340LA-FDICT-ND◊	.98	.85	.65	B340LA-FDITR-ND◊	5,000	332.00/M
	50	100	0.5	0.70	B350A-FDICT-ND◊	1.20	1.04	.80	B350A-FDITR-ND◊	5,000	408.00/M
	60	100	0.5	0.7	B360A-FDICT-ND◊	1.31	1.14	.88	B360A-FDITR-ND◊	5,000	446.00/M
	20	30	0.5	0.50	B120B-FDICT-ND◊	.63	.50	.38	B120B-FDITR-ND◊	3,000	188.00/M
	20	30	0.5	1.1	SK12DICT-ND	.63	.50	.38	SK12DITR-ND	3,000	188.00/M
	20	30	0.5	1.1	SK12-FDICT-ND◊	.63	.50	.38	SK12-FDITR-ND◊	3,000	188.00/M
	30	30	0.5	0.50	B130BDICT-ND	.65	.52	.39	B130BDITR-ND	3,000	195.00/M
	30	30	0.5	0.50	B130B-FDICT-ND◊	.65	.52	.39	B130B-FDITR-ND◊	3,000	195.00/M
	30	40	1.0	.445	B130LBDICT-ND	.70	.56	.42	—	—	—
	30	40	1.0	.445	B130LB-FDICT-ND◊	.70	.56	.42	B130LB-FDITR-ND◊	3,000	210.00/M
	30	25	0.5	0.55	SK13-FDICT-ND◊	.68	.54	.41	SK13-FDITR-ND◊	3,000	203.00/M
	40	30	0.5	0.50	B140B-FDICT-ND◊	.68	.54	.41	B140B-FDITR-ND◊	3,000	203.00/M
	40	45	0.1	0.53	B140HBDICT-ND	.73	.58	.44	—	—	—
	40	45	0.1	0.53	B140HB-FDICT-ND◊	.73	.58	.44	B140HB-FDITR-ND◊	3,000	218.00/M
	40	25	0.5	0.55	SK14-FDICT-ND◊	.68	.54	.41	SK14-FDITR-ND◊	3,000	214.00/M
1.0	50	30	0.5	0.50	B150B-FDICT-ND◊	.79	.63	.48	B150B-FDITR-ND◊	3,000	249.00/M
	50	25	0.5	0.70	SK15DICT-ND	.70	.56	.42	—	—	—
	50	25	0.5	0.70	SK15-FDICT-ND◊	.79	.63	.48	SK15-FDITR-ND◊	3,000	249.00/M
	60	30	0.5	0.70	B160B-FDICT-ND◊	.95	.76	.57	B160B-FDITR-ND◊	3,000	299.00/M
	60	25	0.5	0.70	SK16-FDICT-ND◊	.99	.80	.60	SK16-FDITR-ND◊	3,000	314.00/M
	70	30	0.5	0.79	B170B-FDICT-ND◊	.97	.78	.59	B170B-FDITR-ND◊	3,000	306.00/M
	80	30	0.5	0.79	B180BDICT-ND	.88	.71	.53	B180BDITR-ND	3,000	293.00/M
	80	30	0.5	0.79	B180B-FDICT-ND◊	.99	.80	.60	B180B-FDITR-ND◊	3,000	314.00/M
	90	30	0.5	0.79	B190BDICT-ND	.90	.72	.54	B190BDITR-ND	3,000	299.00/M
	90	30	0.5	0.79	B190B-FDICT-ND◊	1.01	.81	.61	B190B-FDITR-ND◊	3,000	321.00/M
	100	30	0.5	0.79	B1100B-FDICT-ND◊	1.04	.83	.63	B1100B-FDITR-ND◊	3,000	328.00/M
	100	50	0.5	0.75	B1100LBDICT-ND	.83	.65	.50	—	—	—
	100	50	0.5	0.75	B1100LB-FDICT-ND◊	.94	.82	.63	B1100LB-FDITR-ND◊	3,000	333.00/M
	20	50	0.5	0.50	B220-FDICT-ND◊	.95	.76	.57	B220-FDITR-ND◊	3,000	299.00/M
	30	50	0.5	0.50	B230DICT-ND	.90	.72	.54	B230DITR-ND	3,000	299.00/M
	30	50	0.5	0.50	B230-FDICT-ND◊	1.01	.81	.61	B230-FDITR-ND◊	3,000	321.00/M
	40	50	0.5	0.50	B240-FDICT-ND◊	.96	.77	.58	B240-FDITR-ND◊	3,000	319.00/M
	50	50	0.5	0.70	B250-FDICT-ND◊	.94	.82	.63	B250-FDITR-ND◊	3,000	333.00/M
	60	50	0.5	0.70	B260-FDICT-ND◊	1.01	.88	.68	B260-FDITR-ND◊	3,000	359.00/M
2.0	70	50	0.5	0.79	B270DICT-ND	.92	.73	.56	B270DITR-ND	3,000	364.00/M
	70	50	0.5	0.79	B270-FDICT-ND◊	1.05	.91	.70	B270-FDITR-ND◊	3,000	372.00/M
	80	50	0.5	0.79	B280-FDICT-ND◊	1.09	.95	.73	B280-FDITR-ND◊	3,000	386.00/M
	90	50	0.5	0.79	B290DICT-ND	.99	.78	.60	—	—	—
	90	50	0.5	0.79	B290-FDICT-ND◊	1.13	.98	.75	B290-FDITR-ND◊	3,000	399.00/M
	100	50	0.5	0.79	B2100-FDICT-ND◊	1.16	1.01	.78	B2100-FDITR-ND◊	3,000	412.00/M
	20	100	0.5	0.50	B320B-FDICT-ND◊	1.01	.88	.68	B320B-FDITR-ND◊	3,000	359.00/M
	30	100	0.5	0.50	B330B-FDICT-ND◊	1.05	.91	.70	B330B-FDITR-ND◊	3,000	372.00/M
	40	100	0.5	0.50	B340B-FDICT-ND◊	1.09	.95	.73	B340B-FDITR-ND◊	3,000	386.00/M
3.0	40	70	2.0	0.45	B340LB-FDICT-ND◊	1.09	.95	.73	B340LB-FDITR-ND◊	3,000	386.00/M
	50	100	0.5	0.70	B350B-FDICT-ND◊	1.35	1.17	.90	B350B-FDITR-ND◊	3,000	479.00/M
	60	100	0.5	0.50	B360BDICT-ND	1.29	1.02	.78	B360BDITR-ND	3,000	507.00/M
	60	100	0.5	0.50	B360B-FDICT-ND◊	1.46	1.27	.98	B360B-FDITR-ND◊	3,000	519.00/M
	20	100	0.5	0.50	B320DICT-ND	.99	.78	.60	B320DITR-ND	3,000	390.00/M
	20	100	0.5	0.50	B320-FDICT-ND◊	1.13	.98	.75	B320-FDITR-ND◊	3,000	399.00/M
	20	100	0.5	0.50	SK32DICT-ND	.86	.68	.52	SK32DITR-ND	500	188.50
	20	100	0.5	0.50	SK32-FDICT-ND◊	.98	.85	.65	SK32-FDITR-ND◊	500	216.00
	30	100	0.5	0.50	B330DICT-ND	1.02	.81	.62	—	—	—
	30	100	0.5	0.50	B330-FDICT-ND◊	1.16	1.01	.78	B330-FDITR-ND◊	3,000	412.00/M
	30	100	0.5	0.50	SK33DICT-ND	.86	.68	.52	SK33DITR-ND	500	188.50
	30	100	0.5	0.50	SK33-FDICT-ND◊	.98	.85	.65	SK33-FDITR-ND◊	500	216.00
	40	100	0.5	0.50	B340-FDICT-ND◊	1.24	1.08	.83	B340-FDITR-ND◊	3,000	439.00/M
	40	100	0.5	0.50	SK34-FDICT-ND◊	.98	.85	.65	SK34-FDITR-ND◊	500	216.00
	50	100	0.5	0.70	B350-FDICT-ND◊	1.50	1.30	1.00	B350-FDITR-ND◊	3,000	532.00/M
3.0	50	100	0.5	0.75	SK35DICT-ND	.86	.68	.52	SK35DITR-ND	500	188.50
	50	100	0.5	0.75	SK35-FDICT-ND◊	.98	.85	.65	SK35-FDITR-ND◊	500	216.00
	60	100	0.5	0.70	B360-FDICT-ND◊	1.65	1.43	1.10	B360-FDITR-ND◊	3,000	585.00/M
	60	100	0.5	0.75	SK36DICT-ND	.86	.68	.52	—	—	—
	60	100	0.5	0.75	SK36-FDICT-ND◊	.98	.85	.65	SK36-FDITR-ND◊	500	216.00
	70	100	0.5	0.79	B370-FDICT-ND◊	1.69	1.47	1.13	B370-FDITR-ND◊	3,000	599.00/M
	80	100	0.5	0.79	B380DICT-ND	1.52	1.20	.92	—	—	—
	80	100	0.5	0.79	B380-FDICT-ND◊	1.73	1.50	1.15	B380-FDITR-ND◊	3,000	612.00/M
	90	100	0.5	0.79	B390DICT-ND	1.55	1.23	.94	—	—	—
	90	100	0.5	0.79	B390-FDICT-ND◊	1.76	1.53	1.18	B390-FDITR-ND◊	3,000	625.00/M
	100	100	0.5	0.79	B3100DICT-ND	1.58	1.25	.96	B3100DITR-ND	3,000	624.00/M
	100	100	0.5	0.79	B3100-FDICT-ND◊	1.80	1.56	1.20	B3100-FDITR-ND◊	3,000	638.00/M
	20	175	0.5	0.55	B520C-FDICT-ND◊	1.31	1.14	.88	B520C-FDITR-ND◊	3,000	466.00/M
5.0	30	175	0.5	0.55	B530C-FDICT-ND◊	1.39	1.21	.93	B530C-FDITR-ND◊	3,000	492.00/M
	40	175	0.5	0.55	B540C-FDICT-ND◊	1.46	1.27	.98	B540C-FDITR-ND◊	3,000	519.00/M

Fig. 5 — SMC

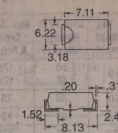


Fig. 6 — DPAK

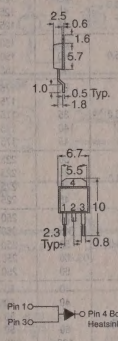


Fig. 7 — D2PAK

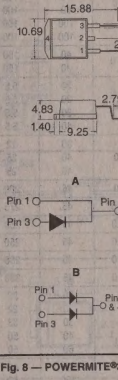
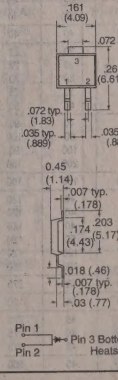


Fig. 8 — POWERMITE®3



(Continued)

S Compliant

Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (V)	Max. Surge Current 8.3ms (A)	Max. Rev. Current @ 25°C (mA)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing
5	5.0	50	175	0.5	0.70	B550C-FDICT-ND◊	1.61	1.40	1.08	B550C-FDITR-ND◊	3,000	572.00/M
		60	175	0.5	0.70	B560C-FDICT-ND◊	1.76	1.53	1.18	B560C-FDITR-ND◊	3,000	625.00/M
6	8.0	35	75	1.4	0.51	MBRD835LDICT-ND	1.49	1.17	.90	MBRD835LDITR-ND	2,500	585.00/M
	10.0	40	75	0.15	0.57	MBRD1040CT-T-FDICT-ND◊	1.53	1.28	1.08	MBRD1040CT-T-FDITR-ND◊	2,500	663.00/M
7A	10.0	25	200	1.0	0.45	SBG1025L-T-FDICT-ND◊	1.53	1.28	1.08	SBG1025L-T-FDITR-ND◊	800	612.00
	10.0	40	125	1.0	0.55	SBG1040CT-FDI-ND◊ ***NEW!***	2.03	1.76	1.35	—	—	—
7B	10.0	30	125	1.0	0.55	SBG1030CT-T-FDICT-ND◊	1.56	1.30	1.10	SBG1030CT-T-FDITR-ND◊	800	624.00
		35	125	1.0	0.55	SBG1035CT-T-FDICT-ND◊	1.59	1.33	1.12	SBG1035CT-T-FDITR-ND◊	800	636.00
		40	125	1.0	0.55	SBG1040CT-T-FDICT-ND◊ ***NEW!***	1.62	1.35	1.14	SBG1040CT-T-FDITR-ND◊ ***NEW!***	800	648.00
		45	125	1.0	0.55	SBG1045CT-T-FDICT-ND◊	1.65	1.38	1.16	SBG1045CT-T-FDITR-ND◊	800	660.00
	15.0	35	150	0.1	0.7	MBRB1535CTDICT-ND	1.40	1.10	.87	MBRB1535CTDITR-ND	800	624.00
		40	150	0.1	0.7	MBRB1540CTDICT-ND◊	1.43	1.12	.88	MBRB1540CTDITR-ND◊	800	636.00
		45	150	0.1	0.7	MBRB1545CTDICT-ND	1.62	1.35	1.14	MBRB1545CTDITR-ND	800	648.00
	16.0	30	175	1.0	0.55	SBG1630CTDICT-ND	1.51	1.18	.93	SBG1630CTDITR-ND	800	604.80
		30	175	1.0	0.55	SBG1630CT-T-FDICT-ND◊	1.68	1.40	1.18	SBG1630CT-T-FDITR-ND◊	800	672.00
		35	175	1.0	0.55	SBG1635CT-T-FDICT-ND◊	1.71	1.43	1.20	SBG1635CT-T-FDITR-ND◊	800	684.00
		40	175	1.0	0.55	SBG1640CT-FDI-ND◊	1.74	1.45	1.22	—	—	—
		45	175	1.0	0.55	SBG1645CT-T-FDICT-ND◊	1.77	1.48	1.24	SBG1645CT-T-FDITR-ND◊	800	708.00
	20.0	30	225	1.0	0.55	SBG2030CT-T-FDICT-ND◊	1.83	1.53	1.29	SBG2030CT-T-FDITR-ND◊	800	732.00
		35	225	1.0	0.55	SBG2035CT-T-FDICT-ND◊	1.86	1.55	1.31	SBG2035CT-T-FDITR-ND◊	800	744.00
		40	225	1	0.55	SBG2040CT-FDICT-ND◊	1.89	1.58	1.33	SBG2040CT-FDITR-ND◊	800	756.00
		45	225	1.0	0.55	SBG2045CT-T-FDICT-ND◊	1.92	1.60	1.35	SBG2045CT-T-FDITR-ND	800	768.00
	30.0	30	250	1.0	0.55	SBG3030CT-T-FDICT-ND◊	2.40	2.00	1.68	SBG3030CT-T-FDITR-ND◊	800	960.00
		45	250	1.0	0.55	SBG3045CT-T-FDICT-ND◊	2.76	2.30	1.94	SBG3045CT-T-FDITR-ND◊	800	1104.00
		50	250	1.0	0.70	SBG3050CT-T-FDICT-ND◊	2.76	2.30	1.94	SBG3050CT-T-FDITR-ND◊	800	1104.00
		60	250	1.0	0.70	SBG3060CTDICT-ND◊	2.76	2.30	1.94	SBG3060CTDITR-ND◊	800	1104.00
		60	250	1.0	0.70	SBG3060CT-T-FDICT-ND◊	2.76	2.30	1.94	SBG3060CT-T-FDITR-ND◊	800	1104.00
8	3.0	40	50	0.5	0.50	SBM340DICT-ND	1.35	1.17	.90	—	—	—
		40	50	0.5	0.50	SBM340-FDICT-ND◊	1.35	1.17	.90	SBM340-FDITR-ND◊	5,000	479.00/M
		60	50	0.2	0.63	MBRM360DICT-ND	1.06	.84	.64	MBRM360DITR-ND	5,000	408.00/M
		60	50	0.2	0.63	MBRM360-FDICT-ND◊	1.20	1.04	.80	MBRM360-FDITR-ND◊	5,000	408.00/M
		100	50	0.1	0.76	MBRM3100DICT-ND	1.73	1.50	1.15	MBRM3100DITR-ND	5,000	587.00/M
		100	50	0.1	0.76	MBRM3100-FDICT-ND◊	1.73	1.50	1.15	MBRM3100-FDITR-ND◊	5,000	587.00/M
	5.0	40	100	0.5	0.52	SBM540DICT-ND	1.65	1.43	1.10	SBM540DITR-ND	5,000	561.00/M
		40	100	0.5	0.52	SBM540-FDICT-ND◊	1.65	1.43	1.10	SBM540-FDITR-ND◊	5,000	561.00/M
		60	100	0.2	0.69	MBRM560DICT-ND	1.50	1.30	1.00	MBRM560DITR-ND	5,000	510.00/M
		60	100	0.2	0.69	MBRM560-FDICT-ND◊	1.50	1.30	1.00	MBRM560-FDITR-ND◊	5,000	510.00/M
		100	100	0.2	0.81	MBRM5100DICT-ND	1.32	1.04	.80	MBRM5100DITR-ND	5,000	510.00/M
		100	100	0.2	0.81	MBRM5100-FDICT-ND◊	1.50	1.30	1.00	MBRM5100-FDITR-ND◊	5,000	510.00/M
	10.0	40	150	0.3	0.51	SBM1040DICT-ND	1.46	1.14	.90	—	—	—
		40	150	0.3	0.51	SBM1040-FDICT-ND◊	1.62	1.35	1.14	SBM1040-FDITR-ND◊	5,000	689.00/M
9	0.5	20	5.5	—	0.300	B0520LWDICT-ND	.50	.40	.30	—	—	—
		20	5.5	—	0.300	B0520LW-FDICT-ND◊	.50	.40	.30	B0520LW-FDITR-ND◊	3,000	150.00/M
		30	5.5	—	0.375	B0530W-FDICT-ND◊	.50	.40	.30	B0530W-FDITR-ND◊	3,000	150.00/M
		40	5.5	—	0.510	B0540W-FDICT-ND◊	.50	.40	.30	B0540W-FDITR-ND◊	3,000	150.00/M
	1.0	30	12	1.0	0.42	B130LAW-FDICT-ND◊	.68	.54	.41	B130LAW-FDITR-ND◊	3,000	214.00/M
		40	25	1.0	0.320	1N5819HWDICT-ND◊	.72	.58	.44	—	—	—
		40	25	1.0	0.320	1N5819HW-FDICT-ND◊	.81	.65	.49	1N5819HW-FDITR-ND◊	3,000	257.00/M
10	8.0	45	200	8.0	0.55	SBL845DI-ND	1.46	1.14	.90	—	—	—
	16.0	45	275	16.0	0.63	SBL1645DI-ND	1.67	1.31	1.03	—	—	—
11	10.0	45	250	10.0	0.60	SBL1045CTDI-ND	1.54	1.20	.95	—	—	—
	16.0	45	250	0.5	0.55	SBL1645CTDI-ND	1.78	1.39	1.10	—	—	—
	20.0	45	250	20.0	0.60	SBL2045CTDI-ND	1.89	1.47	1.17	—	—	—
	30.0	45	250	1.0	0.55	SBL3045CTDI-ND	2.67	2.08	1.65	—	—	—
12	1.0	20	22	1.0	0.20	DFLS120LDICT-ND	.72	.58	.44	DFLS120LDITR-ND	3,000	228.00/M
		30	22	1.0	0.42	DFLS130DICT-ND	.68	.54	.41	DFLS130DITR-ND	3,000	214.00/M
		30	33	1.5	0.36	DFLS130LDICT-ND	.72	.58	.44	DFLS130LDITR-ND	3,000	228.00/M
		40	50	2.5	0.36	DFLS140LDICT-ND	.72	.58	.44	DFLS140LDITR-ND	3,000	228.00/M
		60	50	0.1	0.50	DFLS160DICT-ND◊	.72	.58	.44	DFLS160DITR-ND◊	3,000	228.00/M
		100	40	0.001	0.86	DFLS1100DICT-ND◊	.81	.65	.49	DFLS1100DITR-ND◊	3,000	257.00/M
		150	50	0.002	0.92	DFLS1150DICT-ND◊	.90	.72	.54	DFLS1150DITR-ND◊	3,000	285.00/M
		200	40	0.002	0.85	DFLS1200DICT-ND◊	1.18	1.03	.79	DFLS1200DITR-ND◊	3,000	419.00/M
	1.1	40	40	5.0	0.51	DFLS140DICT-ND	.68	.54	.41	DFLS140DITR-ND	3,000	214.00/M
	2.0	20	22	—	0.36	DFLS220LDICT-ND	1.08	.87	.65	DFLS220LDITR-ND	3,000	342.00/M
		30	22	—	0.42	DFLS230DICT-ND	.99	.80	.60	DFLS230DITR-ND	3,000	314.00/M
		30	33	—	0.42	DFLS230LDICT-ND	1.08	.87	.65	DFLS230LDITR-ND	3,000	342.00/M
		30	75	0.2	0.45	DFLS230LHDICT-ND◊	1.31	1.14	.88	DFLS230LHDITR-ND◊	3,000	466.00/M
		40	50	—	0.50	DFLS240LDICT-ND	1.08	.87	.65	DFLS240LDITR-ND	3,000	342.00/M
13	3.0	40	90	0.5	0.49	PDS340DICT-ND	1.35	1.17	.90	PDS340DITR-ND	5,000	459.00/M
		60	100	0.15	0.62	PDS360DICT-ND◊	1.80	1.50	1.26	PDS360DITR-ND◊	5,000	765.00/M
		100	90	.2	0.75	PDS3100DICT-ND	1.73	1.50	1.15	PDS3100DITR-ND	5,000	587.00/M
		200	180	0.01	0.78	PDS3200DICT-ND	1.80	1.50	1.26	PDS3200DITR-ND	5,000	765.00/M
	4.0	150	180	0.01	0.76	PDS4150DICT-ND◊	2.25	1.88	1.58	PDS4150DITR-ND◊	5,000	956.00/M
	5.0	40	120	.30	0.52	PDS540DICT-ND	1.65	1.43	1.10	PDS540DITR-ND	5,000	561.00/M
		40	120	.30	0.52	PDS540DICT-ND◊	1.65	1.43	1.10	PDS540DITR-ND◊	5,000	561.00/M
		40	110	0.2	0.50	PDS1040CTLDICT-ND	1.80	1.50	1.26	PDS1040CTLDITR-ND	5,000	765.00/M
		60	120	0.2	0.67	PDS560DICT-ND◊	1.89	1.58	1.33	PDS560DITR-ND◊	5,000	803.00/M
		100	120	0.2	0.78	PDS5100DICT-ND	1.53	1.28	1.08	PDS5100DITR-ND	5,000	650.00/M
		100	250	0.01	0.71	PDS5100HDICT-ND	1.80	1.50	1.26	PDS5100HDITR-ND	5,000	765.00/M
	7.0	60	275	0.2	0.62	PDS760DICT-ND◊	2.04	1.70	1.43	PDS760DITR-ND◊	5,000	867.00/M
	8.0	35	120	1.4	0.51	PDS835LDICT-ND	1.73	1.50	1.15	PDS835LDITR-ND	5,000	587.00/M
	10.0	40	275	0.7	0.51	PDS1040DICT-ND	1.62	1.35	1.14	PDS1040DITR-ND	5,000	689.00/M
		40	275	0.6	0.46	PDS1040LDICT-ND	1.65	1.38	1.16	PDS1040LDITR-ND	5,000	701.00/M
		45	275	0.6	0.51	PDS1045DICT-ND◊	2.07	1.73	1.45	PDS1045DITR-ND◊	5,000	880.00/M
14	60.0	45	500	1.0	0.75	MBR6045PTDI-ND◊	4.00	3.48	2.59	—	—	—

◊ *RoHS Compliant*

Fig. 9 — SOD-123

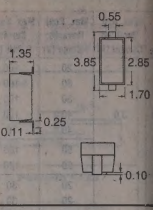


Fig. 10 — TO-220

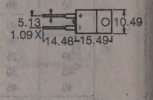


Fig. 11— TO-220

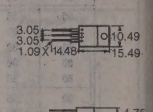


Fig. 12 — PowerDI™123

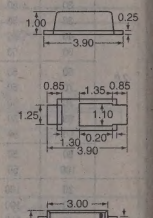


Fig. 13 — PowerDI™5

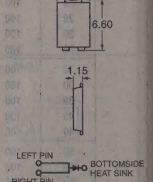
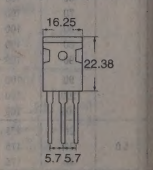


Fig. 14 — TO-3P



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kage	Working Peak Reverse Voltage VRWM	Average Rectified Forward Current IO (A)	Peak Surge Current IFSM (A)	Max. Instantaneous Forward Voltage Drop VF (V)	Digi-Key Part No.	Pricing 10	100	250	Tape & Reel* Size	Pricing
MA	400	1	30	1.1	MRA4004T3GOSCT-ND◊	2.67	18.51	33.38	5,000	64.00/M
	1000	1	30	1.1	MRA4007T3GOSCT-ND◊	2.67	18.51	33.38	5,000	64.00/M
5194	1000	6	400	0.9	MR760RLOSCT-ND	9.48	72.93	153.14	800	387.20
rode	200	25	400	1.18	MR2502OS-ND	6.83	51.25	109.14	—	—
	400	25	400	1.18	MR2504OS-ND	6.83	51.25	109.14	—	—
-41	800	1	35	1.75	MUR180EGOS-ND◊	4.16	29.92	56.09	—	—
PAK	200	6	50	1	MURD620CTT4GOSCT-ND◊	5.98	44.85	95.51	2,500	237.00/M
	200	3	6	0.95	MURD320T4OSCT-ND	5.88	44.12	93.96	2,500	237.00/M
	200	3	6	0.95	MURD320T4GOSCT-ND◊	5.98	44.85	95.51	2,500	237.00/M
PAK	15	25	150	0.45	MBRB2515LT4GOSCT-ND◊	19.28	161.95	337.40	800	925.80

Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. ◊ *RoHS Compliant*

andard Recovery Rectifiers

kage	Working Peak Reverse Voltage VRWM	Average Rectified Forward Current IO (A)	Peak Surge Current IFSM (A)	Max. Instantaneous Forward Voltage Drop VF (V)	Digi-Key Part No.	Pricing 10	100	250	Tape & Reel* Size	Pricing
	50	1	30	1.1	1N4001RLGOSCT-ND◊	2.27	12.78	21.30	5,000	33.00/M
	200	1	30	1.1	1N4003RLGOSCT-ND◊	2.27	12.78	21.30	5,000	33.00/M
	400	1	30	1.1	1N4004RLGOSCT-ND◊	2.27	12.78	21.30	5,000	33.00/M
	800	1	30	1.1	1N4006RLOSCT-ND	2.24	12.60	21.00	—	—
	800	1	30	1.1	1N4006RLGOSCT-ND◊	2.27	12.78	21.30	5,000	33.00/M
	1,000	1	30	1.1	1N4007RLGOSCT-ND◊	2.27	12.78	21.30	5,000	33.00/M
	50	1	30	1.2	1N4933RLOSCT-ND	2.69	17.49	30.26	—	—
	50	1	30	1.2	1N4933RLGOSCT-ND◊	2.73	17.49	30.26	5,000	55.00/M
D-41	100	1	30	1.2	1N4934RLOSCT-ND	2.69	17.49	30.26	5,000	54.00/M
	100	1	30	1.2	1N4934RLGOSCT-ND◊	2.73	17.75	30.71	5,000	55.00/M
	200	1	30	1.2	1N4935RLOSCT-ND	2.69	17.49	30.26	—	—
	200	1	30	1.2	1N4935RLGOSCT-ND◊	2.73	17.75	30.71	5,000	55.00/M
	400	1	30	1.2	1N4936RLOSCT-ND	2.69	17.49	30.26	—	—
	400	1	30	1.2	1N4936RLGOSCT-ND◊	2.73	17.75	30.71	5,000	55.00/M
	600	1	30	1.2	1N4937RLOSCT-ND	2.69	17.49	30.26	—	—
	600	1	30	1.2	1N4937RLGOSCT-ND◊	2.73	17.75	30.71	5,000	55.00/M
	50	3	200	1	1N5400RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
	100	3	200	1	1N5401RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
	200	3	200	1	1N5402RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
201AD	400	3	200	1	1N5404RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
	600	3	200	1	1N5406RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
	1,000	3	200	1	1N5408RLGOSCT-ND◊	3.02	20.96	37.78	1,200	93.00/M
	400	3	100	1.25	MR8540S-ND	2.92	20.55	37.36	—	—
	600	3	100	1.25	MR856RLOSCT-ND	2.92	20.55	37.36	1,200	93.00/M
MB	400	1.5	50	1.1	MRS1504T3OSCT-ND	3.86	27.76	52.04	—	—
	400	1.5	50	1.1	MRS1504T3GOSCT-ND◊	3.93	28.26	52.99	2,500	133.00/M
220AC	600	8.0	100	1.4	MSR860GOS-ND◊	11.57	89.00	186.90	—	—
	600	15	100	1.5	MSR1560GOS-ND◊	12.72	97.88	205.54	—	—

Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. ◊ *RoHS Compliant*

ltra Fast Rectifiers

ackage	Working Peak Reverse Voltage VRWM	Average Rectified Forward Current IO (A)	Peak Surge Current IFSM (A)	Max. Instantaneous Forward Voltage Drop VF (V)	Digi-Key Part No.	Pricing 10	100	250	Tape & Reel* Size	Pricing
	200	16	100	0.975	MUR1620CTGOS-ND†◊	9.26	71.20	149.52	—	—
	200	16	100	1.2	MUR1620CTROS-ND†	12.51	96.25	202.13	—	—
-220AB	200	16	100	1.2	MUR1620CTRGOS-ND†◊	13.33	102.53	215.30	—	—
	400	16	100	1.30	MUR1640CTOS-ND	14.41	110.85	232.79	—	—
	600	16	100	1.50	MUR1660CTGOS-ND◊	15.42	118.65	249.17	—	—
-218AC	200	30	200	1.05	MUR3020PTOS-ND	18.96	159.26	331.80	—	—
	200	8	16	0.975	MUR820GOS-ND◊	8.29	63.78	133.93	—	—
-220AC	600	8	16	0.975	MUR860GOS-ND◊	10.03	77.13	161.96	—	—
	1000	8	100	1.8	MUR8100EGOS-ND◊	11.57	89.00	186.90	—	—
-247PSI	200	30	200	1.05	MUR3020WTOS-ND	23.92	200.91	418.56	—	—
	600	30	150	1.7	MUR3060WTOS-ND	27.42	204.17	437.51	—	—
D-PAK	200	6	50	1.15	MSRD620CTT4OSCT-ND	14.00	117.60	245.00	2,500	304.00/M
	200	6	50	1.15	MSRD620CTT4GOSCT-ND◊	7.69	57.67	122.82	2,500	304.00/M
	200	16	100	1.2	MURB1620CTRT4GOSCT-ND◊	14.27	109.75	230.48	800	583.20
	200	16	100	0.975	MURB1620CTT4OSCT-ND	13.47	103.65	217.67	800	550.40
	200	16	100	0.975	MURB1620CTT4GOSCT-ND◊	13.47	103.65	217.67	800	550.40
D2PAK	600	8	100	1.5	MURB1660CTT4OSCT-ND	29.85	222.25	476.25	800	612.00
	600	8	100	1.5	MURB1660CTT4GOSCT-ND◊	12.76	107.14	223.21	800	612.00
	400	8	100	2.2	MURHB840CTOS-ND	15.17	116.68	245.02	—	—
	600	4	100	2.8	MURHB860CTT4OSCT-ND	32.90	245.00	525.00	—	—
	600	4	100	2.8	MURHB860CTT4GOSCT-ND◊	15.42	118.65	249.17	800	630.40
	200	2	40	0.875	MURS120T3GOSCT-ND◊	3.09	22.21	41.65	2,500	105.00/M
SMB	200	2	40	0.95	MURS220T3OSCT-ND	3.18	23.82	47.64	—	—
	200	2	40	0.95	MURS220T3GOSCT-ND◊	4.04	29.05	54.47	2,500	137.00/M

Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. † Pinning Reversed ◊ *RoHS Compliant*

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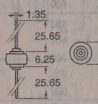
SMA

Case194



MICRODE

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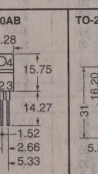
DPAK

D2PAK

DO-201AD

SMB

TO-220AB



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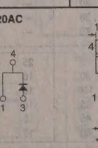

Ultra Fast Rectifiers (Cont.)

Package	Working Peak Reverse Voltage VRWM	Average Rectified Forward Current IO (A)	Peak Surge Current IFSM (A)	Max. Instantaneous Forward Voltage Drop VF (V)	Digi-Key Part No.	Pricing 10	100	250	Tape & Reel* Size	Pricing
SMC	200	4	75	0.89	MURS320T3GOSCT-ND◊	4.75	35.61	71.22	2,500	178.00/M
	400	4	75	1.28	MURS340T3OSCT-ND	4.62	34.67	73.83	—	—
	600	4	75	1.28	MURS360T3GOSCT-ND◊	5.22	39.15	78.30	2,500	196.00/M
SMA	100	2	50	0.875	MURA110T3OSCT-ND	3.33	23.98	44.96	—	—
	100	2	50	0.875	MURA110T3GOSCT-ND◊	3.38	24.34	45.63	5,000	108.00/M
	200	1	40	0.875	MURA120T3OSCT-ND	3.33	23.98	44.96	5,000	108.00/M
	400	1	35	1.1	MURA140T3OSCT-ND	3.33	23.98	44.96	5,000	108.00/M
	600	1	30	1.25	MURA160T3OSCT-ND	3.33	23.98	44.96	—	—
	600	1	30	1.25	MURA160T3GOSCT-ND◊	3.38	24.34	45.63	5,000	108.00/M
	400	2	35	1.30	MURA240T3GOSCT-ND◊	3.38	24.34	45.63	5,000	108.00/M
	600	2	30	1.45	MURA260T3GOSCT-ND◊	3.38	24.34	45.63	5,000	108.00/M
DO-201AD	150	1	35	0.875	MUR115RLOSCT-ND	2.92	21.02	39.42	5,000	99.00/M
	300	1	35	1.25	MUR1300SCT-ND	3.71	26.09	47.44	—	—
	50	4	125	0.890	MUR4050S-ND	4.20	31.50	63.00	—	—
	150	4	125	0.890	MUR415GOS-ND◊	4.27	32.04	64.08	—	—
	200	4	125	0.890	MUR420RLOSCT-ND	4.27	32.04	64.08	1,500	171.00/M
	200	4	125	0.890	MUR420RLGOSCT-ND◊	4.27	32.04	64.08	1,500	171.00/M

* For Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. † Pinning Reversed ◊ *RoHS Compliant*

Schottky Barrier Diodes

Package	Rev. Volt. VRPRV	Avg. For. Curr. IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Volt. Max @ VF (Vdc)	@ IF	Pinning 1	2	3	Digi-Key Part No.	Cut Tape Pricing 10	100	250	Tape & Reel* Size	Pricing
SOT-23	7	—	225	—	0.6	10mA	A	—	K	MMBD101LT1OSCT-ND	1.83	12.89	23.44	3,000	69.00/M
	40	.12	225	.2	0.5	10mA	A	K	A/K	BAS40-04LT1GOSCT-ND◊	2.85	18.53	32.06	3,000	67.00/M
	40	.12	225	.2	0.5	10mA	K	K	A	BAS40-06LT1OSCT-ND	1.75	12.32	22.40	—	—
	40	.12	225	.2	0.5	10mA	K	K	A	BAS40-06LT1GOSCT-ND◊	2.85	18.53	32.06	3,000	67.00/M
	40	.12	225	.2	0.5	10mA	A	—	K	BAS40LT1GOSCT-ND◊	2.61	16.97	29.36	3,000	61.00/M
	70	—	225	—	0.75	10mA	A	—	K	BAS70LT1OSCT-ND	1.61	11.31	20.56	—	—
	70	—	225	—	0.75	10mA	A	—	K	BAS70LT1GOSCT-ND◊	2.61	16.97	29.36	3,000	61.00/M
	30	.2	225	.6	0.40	10mA	K	K	A	BAT54ALT1OSCT-ND	2.10	14.56	26.25	—	—
	30	.2	225	.6	0.40	10mA	K	K	A	BAT54ALT1GOSCT-ND◊	1.90	12.35	21.38	3,000	45.00/M
	30	.2	225	.6	0.5	30mA	A	K	K/A	BAT54SLT1GOSCT-ND◊	1.90	12.35	21.38	3,000	45.00/M
	30	.2	200	.3	0.5	30mA	A	—	K	BAT54LT1GOSCT-ND◊	1.66	10.79	18.68	3,000	39.00/M
SOT-323	20	—	200	—	0.37	1mA	K	K	A	MMBD717LT1OSCT-ND	1.85	12.79	23.06	—	—
	30	.2	200	.6	0.5	30mA	A	K	K/A	BAT54SWT1GOSCT-ND◊	2.25	14.63	25.31	3,000	53.00/M
	30	.2	200	.6	0.5	30mA	A	—	K	BAT54WT1GOSCT-ND◊	2.02	13.13	22.73	3,000	47.00/M

* For Tape and Reel part number, change CT-ND to TR-ND. ◊ *RoHS Compliant*

Package	Rev. Volt. VRPRV	Avg. For. Curr. IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Volt. Max @ VF (Vdc)	@ IF	Digi-Key Part No.	Pricing 10	100	250	Tape & Reel* Size	Pricing
SOT-363	30	.2	150	.6	0.4	10MA	MBD54DWT1OSCT-ND	2.92	20.55	37.36	—	—
	30	.2	150	.6	0.4	10MA	MBD54DWT1GOSCT-ND◊	2.97	20.90	38.00	3,000	86.00/M
DO-41	20	1	—	25	0.45	1A	1N5817RLGOSCT-ND◊	3.34	23.50	42.72	5,000	91.00/M
	30	1	—	25	0.55	1A	1N5818RLOSCT-ND	3.29	23.14	42.08	—	—
	30	1	—	25	0.55	1A	1N5818RLGOSCT-ND◊	3.34	23.50	42.72	5,000	91.00/M
	40	1	—	25	0.6	1A	1N5819RLOSCT-ND	3.29	23.14	42.08	5,000	89.00/M
	40	1	—	25	0.6	1A	1N5819RLGOSCT-ND◊	3.34	23.50	42.72	5,000	91.00/M
	50	1	750	25	0.75	1A	MBR150RLOSCT-ND	3.61	25.43	46.24	5,000	98.00/M
	50	1	750	25	0.75	1A	MBR150RLGOSCT-ND◊	3.71	26.09	47.44	5,000	101.00/M
	60	1	750	25	0.75	1A	MBR160RLGOSCT-ND◊	3.71	26.09	47.44	5,000	101.00/M
	100	1	500	50	0.79	1A	MBR1100RLGOSCT-ND◊	3.86	27.76	52.04	5,000	123.00/M
DO-201AD	20	3	—	80	0.475	3A	1N5820RLOSCT-ND	3.64	27.30	54.60	—	—
	20	3	—	80	0.475	3A	1N5820RLGOSCT-ND◊	3.70	27.75	55.50	1,500	148.00/M
	30	3	—	80	0.5	3A	1N5821RLGOSCT-ND◊	3.70	27.75	55.50	1,500	148.00/M
	40	3	—	80	0.525	3A	1N5822RLGOSCT-ND◊	3.70	27.75	55.50	1,500	148.00/M
	40	3	1,250	80	0.5	1A	MBR340GOS-ND◊	4.16	29.92	56.09	—	—
	50	3	1,500	80	0.6	1A	MBR350RLGOSCT-ND◊	4.16	29.92	56.09	1,500	150.00/M
	60	3	1,500	80	0.6	1A	MBR360RLGOSCT-ND◊	4.16	29.92	56.09	1,500	150.00/M
	100	3	1,500	150	0.79	3A	MBR3100RLGOSCT-ND◊	5.70	42.72	85.44	1,500	228.00/M
SOT-93	45	30	10,000	200	0.76	30A	MBR3045PTGOS-ND◊	17.80	149.50	311.46	—	—
SOD-123	20	0.5	140	5.5	0.385	0.5A	MBR0520LT1OSCT-ND	2.38	16.76	30.48	3,000	76.00/M
	20	0.5	140	5.5	0.385	0.5A	MBR0520LT1GOSCT-ND◊	2.94	20.38	36.75	3,000	78.00/M
	30	0.5	175	5.5	0.43	0.5A	MBR0530T1GOSCT-ND◊	2.94	20.38	36.75	3,000	78.00/M
	30	1.0	—	5.5	0.47	1.0A	MBR130T1GOSCT-ND◊	3.71	26.09	47.44	3,000	90.00/M
	30	0.2	400	.6	0.40	10MA	BAT54T1GOSCT-ND◊	2.49	16.19	28.01	3,000	59.00/M
	40	0.5	2,250	5.5	0.62	1A	MBR0540T1OSCT-ND	2.56	18.00	32.72	3,000	76.00/M
	40	0.5	2,250	5.5	0.62	1A	MBR0540T1GOSCT-ND◊	2.94	20.38	36.75	3,000	78.00/M
SOD-323	30	—	200	.6	0.40	10MA	BAT54HT1GOSCT-ND◊	2.49	16.19	28.01	3,000	59.00/M
	40	—	200	—	0.37	1MA	RB751V40T1GOSCT-ND◊	2.61	16.97	29.36	3,000	61.00/M
TO-92	30	—	280	—	0.6	10MA	MBD3010S-ND	2.81	19.45	—	—	—
	30	—	280	—	0.6	10MA	MBD3010GOS-ND◊	2.85	19.76	35.63	—	—
	70	—	280	—	1	10MA	MBD7010S-ND	2.81	19.45	—	—	—
	70	—	280	—	1	10MA	MBD7010GOS-ND◊	2.85	19.76	35.63	—	—
TO-220AC	15	25	—	150	0.45	25A	MBR2515LGOS-ND◊	22.25	186.88	389.33	—	—
	90	10	5,000	150	0.8	10A	MBR1090GOS-ND◊	10.83	83.30	174.93	—	—
	100	10	5,000	150	0.8	10A	MBR10100GOS-ND◊	10.83	83.30	174.93	—	—
	35	10	—	150	0.84	20A	MBR1035GOS-ND◊	8.54	64.07	136.45	—	—
	45	10	5,500	150	0.84	20A	MBR1045GOS-ND◊	8.52	63.94	136.16	—	—
	60	10	—	150	0.8	10A	MBR1060GOS-ND◊	8.52	63.94	136.16	—	—

* For Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. ◊ *RoHS Compliant*

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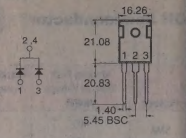
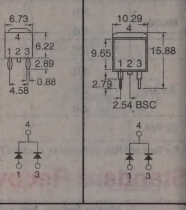
TO-247PSI



DPAK **D2PAK**



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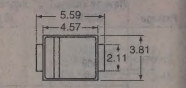

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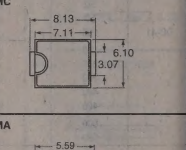

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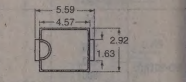

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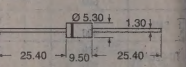
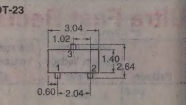


SOT-23



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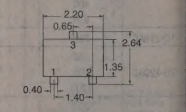

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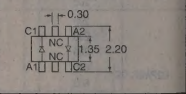

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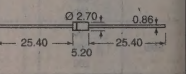

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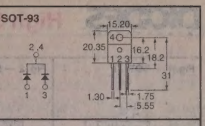
Package	Rev. Volt. V_{RRSV}	Avg. For. Curr. IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Volt. Max @ VF (Vdc)	@ IF	Digi-Key Part No.	10	Pricing 100	250	Tape & Reel* Size	Pricing
	35	16	9,000	150	0.63	16A	MBR1635GS-ND	10.24	78.75	165.38	—	—
	35	16	9,000	150	0.63	16A	MBR1635GOS-ND◊	10.41	80.10	168.21	—	—
	45	16	9,000	150	0.63	16A	MBR1645GOS-ND◊	10.41	80.10	168.21	—	—
O-220AC	35	7.5	1,800	150	0.84	15A	MBR735OS-ND	7.56	56.70	120.75	—	—
	35	7.5	1,800	150	0.84	15A	MBR735GOS-ND◊	7.69	57.67	122.82	—	—
	45	7.5	1,800	150	0.84	15A	MBR745GOS-ND◊	7.69	57.67	122.82	—	—
	45	15	9,000	150	0.84	15A	MBR1545CTGOS-ND◊	8.11	60.86	129.61	—	—
	100	8	400	150	0.74	8A	MBR16100CTOS-ND	14.00	117.60	245.00	—	—
	100	8	400	150	0.74	8A	MBR16100CTGOS-ND◊	14.24	119.60	249.16	—	—
	200	20	—	150	0.9	10A	MBR20200CTGOS-ND◊	16.32	137.05	285.51	—	—
	30	10	3,750	150	0.52	10A	MBR2030CTLGOS-ND◊	16.32	137.05	285.51	—	—
	45	20	—	150	0.84	20A	MBR2045CTOS-ND	8.32	62.37	132.83	—	—
O-220AB	45	20	—	150	0.84	20A	MBR2045CTGOS-ND◊	8.54	64.07	136.45	—	—
	60	10	6,000	150	0.85	10A	MBR2060CTGOS-ND◊	13.88	106.78	224.23	—	—
	100	10	6,000	150	0.85	10A	MBR20100CTGOS-ND◊	10.80	83.05	174.41	—	—
	35	12.5	5,000	150	0.47	12.5A	MBR2535CTLGOS-ND◊	13.35	112.12	233.58	—	—
	35	30	—	150	0.82	30A	MBR2535CTOS-ND	16.12	123.98	260.35	—	—
	35	30	—	150	0.82	30A	MBR2535CTGOS-ND◊	12.61	105.90	220.63	—	—
	45	30	—	150	0.82	30A	MBR2545CTOS-ND	12.72	97.88	205.54	—	—
	45	30	—	150	0.82	30A	MBR2545CTGOS-ND◊	12.72	97.88	205.54	—	—
TO-247	45	60	—	500	0.62	30A	MBR6045WTOS-ND	32.90	245.00	525.00	—	—
	45	60	—	500	0.62	30A	MBR6045WTGOS-ND◊	33.46	249.17	533.93	—	—
	45	25	—	150	0.7	12.5A	MBRF2545CTGOS-ND◊	20.77	174.43	363.39	—	—
O-220FP	100	20	—	150	0.85	10A	MBRF20100CTOS-ND	24.79	208.26	433.87	—	—
	100	20	—	150	0.85	10A	MBRF20100CTGOS-ND◊	23.70	176.49	378.19	—	—
	200	20	—	150	0.9	10A	MBRF20200CTGOS-ND◊	27.88	207.64	444.94	—	—
	20	3	1,000	75	0.6	3A	MBRD320T4OSCT-ND	6.51	48.84	104.02	2,500	262.00/M
	20	3	1,000	75	0.6	3A	MBRD320T4GOSCT-ND◊	6.62	49.65	105.74	2,500	262.00/M
	30	3	1,000	75	0.6	3A	MBRD330T4OSCT-ND	6.51	48.84	104.02	2,500	262.00/M
	30	3	1,000	75	0.6	3A	MBRD330T4GOSCT-ND◊	6.62	49.65	105.74	2,500	262.00/M
	40	3	1,000	75	0.6	3A	MBRD340T4OSCT-ND	6.51	48.84	104.02	2,500	262.00/M
	40	3	1,000	75	0.6	3A	MBRD340T4GOSCT-ND◊	6.62	49.65	105.74	2,500	262.00/M
	60	3	1,000	75	0.6	3A	MBRD360T4OSCT-ND	6.51	48.84	104.02	2,500	262.00/M
	60	3	1,000	75	0.6	3A	MBRD360T4GOSCT-ND◊	6.51	48.84	104.02	2,500	262.00/M
D-Pak	20	6	4,000	75	0.7	3A	MBRD620CTT4OSCT-ND	7.35	55.16	117.47	—	—
	20	6	4,000	75	0.7	3A	MBRD620CTT4GOSCT-ND◊	7.47	56.05	119.37	2,500	296.00/M
	40	6	4,000	75	0.7	3A	MBRD640CTT4OSCT-ND	7.35	55.16	117.47	—	—
	40	6	4,000	75	0.7	3A	MBRD640CTT4GOSCT-ND◊	7.47	56.05	119.37	2,500	296.00/M
	60	6	4,000	75	0.7	3A	MBRD660CTT4OSCT-ND	7.35	55.16	117.47	—	—
	60	6	4,000	75	0.7	3A	MBRD660CTT4GOSCT-ND◊	7.47	56.05	119.37	2,500	296.00/M
	35	8	3,750	75	0.51	8A	MBRD835LT4GOSCT-ND◊	7.26	54.46	115.98	2,500	287.00/M
	35	10	2,000	50	0.47	5A	MBRD1035CTLT4OSCT-ND	8.72	67.10	140.91	—	—
	35	10	2,000	50	0.47	5A	MBRD1035CTLT4GOSCT-ND◊	8.87	68.23	143.27	2,500	363.00/M
	35	12.5	7,500	150	0.55	25A	MBRB2535CTLT4OSCT-ND	18.96	159.26	331.80	800	925.60
	35	12.5	7,500	150	0.55	25A	MBRB2535CTLT4GOSCT-ND◊	19.28	161.95	337.40	800	925.60
	45	30	16,000	150	0.82	30A	MBRB2545CTT4OSCT-ND	16.04	134.76	280.74	800	783.20
	45	30	16,000	150	0.82	30A	MBRB2545CTT4GOSCT-ND◊	16.32	137.05	285.51	800	783.20
D2pak A	45	15	8,000	150	0.84	15A	MBRB1545CTT4OSCT-ND	10.80	83.05	174.41	800	440.80
	45	15	8,000	150	0.84	15A	MBRB1545CTT4GOSCT-ND◊	10.80	83.05	174.41	800	440.80
	100	20	13,000	150	0.85	10A	MBRB20100CTT4OSCT-ND	14.00	117.60	245.00	800	683.20
	100	20	13,000	150	0.85	10A	MBRB20100CTT4GOSCT-ND◊	14.24	119.60	249.16	800	683.20
	200	10	6,000	150	0.9	10A	MBRB20200CTT4OSCT-ND	28.75	241.50	503.13	800	1288.00
	200	10	6,000	150	0.9	10A	MBRB20200CTT4GOSCT-ND◊	27.03	201.25	431.25	800	1288.00
D2pak B	30	40	—	300	0.46	20A	MBRB4030T4OSCT-ND	23.30	173.55	371.89	800	1129.60
	30	40	—	300	0.46	20A	MBRB4030T4GOSCT-ND◊	23.70	176.49	378.19	800	1129.60
	10	2	425	160	0.325	1A	MBRA210LT3OSCT-ND	3.74	28.02	56.04	5,000	133.00/M
	10	2	425	160	0.325	1A	MBRA210LT3GOSCT-ND◊	3.80	28.47	56.94	5,000	133.00/M
	20	1	300	40	0.395	1A	MBRA120LT3OSCT-ND	3.04	21.85	40.97	5,000	97.00/M
	30	1	300	25	0.41	1A	MBRA130LT3OSCT-ND	3.04	21.85	40.97	5,000	91.00/M
	30	1	300	25	0.41	1A	MBRA130LT3GOSCT-ND◊	3.34	23.50	42.72	5,000	91.00/M
SMA	40	1	500	30	0.55	1A	MBRA140T3OSCT-ND	3.04	21.85	40.97	—	—
	40	1	500	30	0.55	1A	MBRA140T3GOSCT-ND◊	3.34	23.50	42.72	5,000	91.00/M
	40	3	—	100	45	3A	MBRA340T3GOSCT-ND◊	3.94	29.55	59.10	5,000	138.00/M
	60	1	—	40	0.72	1A	SS16T3OSCT-ND	3.06	21.56	39.20	—	—
	60	1	—	40	0.72	1A	SS16T3GOSCT-ND◊	3.06	21.56	39.20	5,000	83.00/M
	20	1	525	40	0.6	1A	MBRS120T3GOSCT-ND◊	3.56	25.08	45.60	2,500	103.00/M
	30	1	525	40	0.6	1A	MBRS130T3GOSCT-ND◊	3.56	25.08	45.60	2,500	103.00/M
	30	2	250	40	0.395	1A	MBRS130LT3GOSCT-ND◊	3.56	25.08	45.60	2,500	103.00/M
	40	1	500	40	0.6	1A	MBRS140T3GOSCT-ND◊	3.56	25.08	45.60	2,500	103.00/M
	40	2	800	25	0.43	2A	MBRS240LT3GOSCT-ND◊	3.86	27.76	52.04	2,500	131.00/M
SMB	40	2	625	70	0.43	2A	MBRS2040LT3OSCT-ND	3.04	22.77	45.54	—	—
	40	2	625	70	0.43	2A	MBRS2040LT3GOSCT-ND◊	3.86	27.76	52.04	2,500	131.00/M
	90	2	1,200	50	0.75	1A	MBRS190T3GOSCT-ND◊	4.16	29.92	56.09	2,500	141.00/M
	100	2	1,200	50	0.75	1A	MBRS1100T3GOSCT-ND◊	3.80	27.32	51.23	2,500	129.00/M
	40	2	—	75	0.50	2A	SS24T3GOSCT-ND◊	3.71	26.09	47.44	2,500	107.00/M
	60	2	—	40	0.51	1A	SS26T3GOSCT-ND◊	3.27	23.51	44.08	2,500	111.00/M
	20	4	2,500	80	0.50	3A	MBRS320T3OSCT-ND	3.36	25.22	53.71	—	—
	20	4	2,500	80	0.50	3A	MBRS320T3GOSCT-ND◊	3.80	28.47	56.94	2,500	142.00/M
	30	4	2,500	80	0.50	3A	MBRS330T3GOSCT-ND◊	3.80	28.47	56.94	2,500	142.00/M
	40	4	2,500	80	0.525	3A	MBRS340T3GOSCT-ND◊	3.80	28.47	56.94	2,500	142.00/M
SMC	40	5	—	190	0.50	5A	MBRS540T3GOSCT-ND◊	4.75	35.61	71.22	2,500	178.00/M
	60	4	2,500	80	0.74	3A	MBRS360T3OSCT-ND	3.57	26.81	57.10	—	—
	60	4	2,500	80	0.74	3A	MBRS360T3GOSCT-ND◊	4.04	30.27	60.54	2,500	151.00/M
	100	3	—	130	0.79	3A	MBRS3100T3GOSCT-ND◊	5.70	42.72	85.44	2,500	214.00/M

*For Tape and Reel part number, change CT-ND (Cut Tape) to TR-ND. ◊ *RoHS Compliant*

SOT-93



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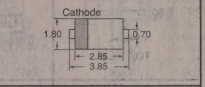
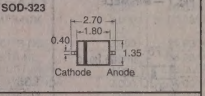
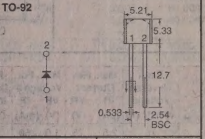


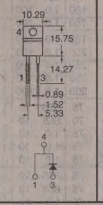
SOD-323



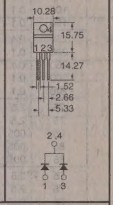
TO-92



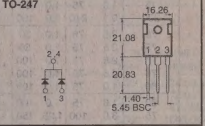
TO-220AC



TO-220AB



TO-247



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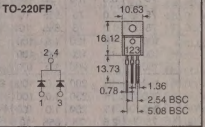

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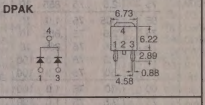

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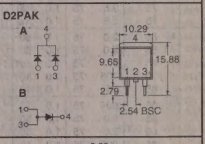

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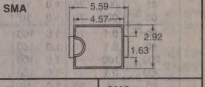

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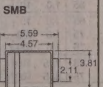

SMC

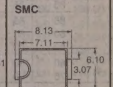

Fig. 1 — SOT-23

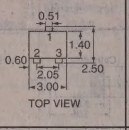

Fig. 2 — SOT-323

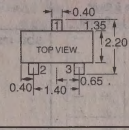

Fig. 3 — SOT-523

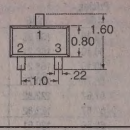

Fig. 4 — SOT-563

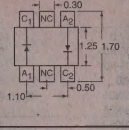

Fig. 5 — SOT-363

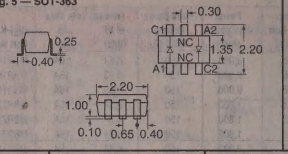

Fig. 6 — DO-35

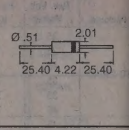

Fig. 7 — MiniMELF

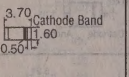

Fig. 8 — SOD-123

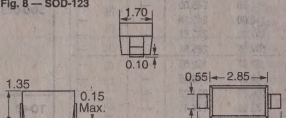

Fig. 9 — SOD-323

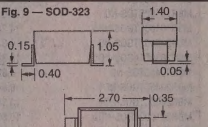

Fig. 10 — SOD-523

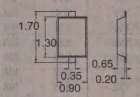

Fig. 11 — DFN1006-2

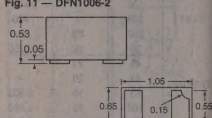

Fig.	Peak Reverse Voltage VRWM (V)	Max. Rev. Current IR (µA)	Max. Rev. Current VR (V)	Max. For. Voltage@ IF VF (V)	Max. For. Voltage@ IF IF (mA)	Max. Capac-itance C (pF)	Max. Rev. Recovery Time Trr (nS)	Power Dissi-pation Pd (mW)	Pinning 1	Pinning 2	Pinning 3	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Cut Tape Pricing 1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing
1	75	2.5	75	1.0	50	2.0	4.0	350	A	—	K	BAL99DICT-ND	3.00	20.80	92.00	BAL99DITR-ND	3,000	80.00/M
	75	2.5	75	1.0	50	2.0	4.0	350	A	—	K	BAL99-FDICT-ND◊	3.00	20.80	92.00	BAL99-FDITR-ND◊	3,000	80.00/M
	75	1.0	75	.855	10	2.0	4.0	350	K	A	—	BAS16-FDICT-ND◊	2.25	15.60	69.00	BAS16-FDITR-ND◊	3,000	60.00/M
	100	0.1	100	1.0	100	5.0	50	250	K	A	—	BAS19-FDICT-ND◊	2.81	19.80	90.00	BAS19-FDITR-ND◊	3,000	81.00/M
	150	0.1	150	1.0	100	5.0	50	250	K	A	—	BAS20DICT-ND	2.81	19.80	90.00	—	—	—
	150	0.1	150	1.0	100	5.0	50	250	K	A	—	BAS20-FDICT-ND◊	2.81	19.80	90.00	BAS20-FDITR-ND◊	3,000	81.00/M
	200	0.1	250	1.0	100	5.0	50	250	K	A	—	BAS21-FDICT-ND◊	2.81	19.80	90.00	BAS21-FDITR-ND◊	3,000	81.00/M
	200	0.1	250	1.0	100	5.0	50	350	A	K	K	BAV23A-FDICT-ND◊	3.13	22.00	100.00	BAV23A-FDITR-ND◊	3,000	90.00/M
	200	0.1	250	1.0	100	5.0	50	350	K/K	A	A	BAV23C-FDICT-ND◊	3.13	22.00	100.00	BAV23C-FDITR-ND◊	3,000	90.00/M
	200	0.1	200	1.0	100	5.0	50	350	—	A	K	BAV23S-FDICT-ND◊	3.13	22.00	100.00	BAV23S-FDITR-ND◊	3,000	90.00/M
	75	2.5	75	.855	10	2.0	4.0	350	K	A	A	BAV70-FDICT-ND◊	2.63	18.20	80.50	BAV70-FDITR-ND◊	3,000	70.00/M
	75	2.5	70	.855	10	1.5	6.0	350	K/A	A	K	BAV99-FDICT-ND◊	3.00	20.80	92.00	BAV99-FDITR-ND◊	3,000	80.00/M
	85	.005	75	1.0	10	2.0	3.0§	250	K/K	A	A	BAV170-FDICT-ND◊	3.13	22.00	100.00	BAV170-FDITR-ND◊	3,000	90.00/M
	85	.005	75	1.0	10	2.0	3.0§	250	K/A	A	K	BAV199DICT-ND	3.13	22.00	100.00	—	—	—
	85	.005	75	1.0	10	2.0	3.0§	250	K/A	A	K	BAV199-FDICT-ND◊ ***NEW!***	3.75	26.00	115.00	BAV199-FDITR-ND◊ ***NEW!***	3,000	100.00/M
	75	2.5	75	.855	10	2.0	4.0	350	A	K	K	BAW56DICT-ND	2.81	19.80	90.00	BAW56DITR-ND	3,000	81.00/M
	75	2.5	75	.855	10	2.0	4.0	350	A	K	K	BAW56-FDICT-ND◊	2.81	19.80	90.00	BAW56-FDITR-ND◊	3,000	81.00/M
	85	.005	75	1.0	10	3.0	3.0§	250	A	K	K	BAW156-FDICT-ND◊	3.13	22.00	100.00	BAW156-FDITR-ND◊	3,000	90.00/M
	75	1.0	75	1.0	50	2.0	4.0	350	K	A	—	MMBD914-FDICT-ND◊	2.25	15.60	69.00	MMBD914-FDITR-ND◊	3,000	60.00/M
	300	0.1	240	1.0	100	5.0	50	350	K/A	A	K	MMBD3004S-FDICT-ND◊	3.13	22.00	100.00	MMBD3004S-FDITR-ND◊	3,000	90.00/M
	75	2.5	75	1.0	50	2.0	4.0	350	K	A	—	MMBD4148DICT-ND	2.25	15.60	69.00	MMBD4148DITR-ND	3,000	60.00/M
	75	2.5	75	1.0	50	2.0	4.0	350	K	A	—	MMBD4148-FDICT-ND◊	2.25	15.60	69.00	MMBD4148-FDITR-ND◊	3,000	60.00/M
	75	2.5	75	1.0	100	4.0	4.0	350	K	A	—	MMBD4448DICT-ND	2.25	15.60	69.00	—	—	—
	75	2.5	75	1.0	100	4.0	4.0	350	K	A	—	MMBD4448-FDICT-ND◊	2.25	15.60	69.00	MMBD4448-FDITR-ND◊	3,000	60.00/M
	80	1.0	75	1.0	100	3.5	4.0	350	K	A	—	MMBD4448HDICT-ND	2.25	15.60	69.00	MMBD4448HDITR-ND	3,000	60.00/M
	80	1.0	75	1.0	100	3.5	4.0	350	K	A	—	MMBD4448H-FDICT-ND◊	2.25	15.60	69.00	MMBD4448H-FDITR-ND◊	3,000	60.00/M
	75	3.0	100	1.25	150	2.0	4.0	350	K/A	A	K	MMBD7000DICT-ND	3.00	20.80	92.00	—	—	—
	75	3.0	100	1.25	150	2.0	4.0	350	K/A	A	K	MMBD7000-FDICT-ND◊	3.00	20.80	92.00	MMBD7000-FDITR-ND◊	3,000	80.00/M
2	75	1.0	75	.855	10	2.0	4.0	200	K	A	—	BAS16WDICT-ND	2.70	18.72	82.80	BAS16WDITR-ND	3,000	72.00/M
	75	1.0	75	.855	10	2.0	4.0	200	K	A	—	BAS16W-FDICT-ND◊	2.70	18.72	82.80	BAS16W-FDITR-ND◊	3,000	72.00/M
	100	15	120	1.0	100	5.0	50	200	K	A	—	BAS19WDICT-ND	3.38	23.76	108.00	—	—	—
	100	15	120	1.0	100	5.0	50	200	K	A	—	BAS19W-FDICT-ND◊	3.38	23.76	108.00	BAS19W-FDITR-ND◊	3,000	97.00/M
	150	15	200	1.0	100	5.0	50	200	K	A	—	BAS20WDICT-ND	3.38	23.76	108.00	BAS20WDITR-ND	3,000	97.00/M
	150	15	200	1.0	100	5.0	50	200	K	A	—	BAS20W-FDICT-ND◊	3.38	23.76	108.00	BAS20W-FDITR-ND◊	3,000	97.00/M
	200	15	250	1.0	100	5.0	50	200	K	A	—	BAS21WDICT-ND	3.38	23.76	108.00	—	—	—
	200	15	250	1.0	100	5.0	50	200	K	A	—	BAS21W-FDICT-ND◊	3.38	23.76	108.00	BAS21W-FDITR-ND◊	3,000	97.00/M
	75	2.5	75	.855	10	2.0	4.0	200	K	A	A	BAV70W-FDICT-ND◊	3.15	21.84	96.60	BAV70W-FDITR-ND◊	3,000	84.00/M
	75	2.5	75	.855	10	2.0	4.0	200	K/A	A	K	BAV99W-FDICT-ND◊	3.00	21.12	96.00	BAV99W-FDITR-ND◊	3,000	86.00/M
3	85	.005	75	1.0	10	2.0	3.0§	200	A	K/A	K	BAV199WDICT-ND◊	2.00	14.40	72.00	BAV199WDITR-ND◊	3,000	68.00/M
	75	2.5	75	.855	10	2.0	4.0	200	A	K	K	BAW56WDICT-ND	3.38	23.76	108.00	—	—	—
	75	2.5	75	.855	10	2.0	4.0	200	A	K	K	BAW56W-FDICT-ND◊	3.38	23.76	108.00	BAW56W-FDITR-ND◊	3,000	97.00/M
	75	2.5	75	1.0	100	2.0	4.0	200	K	A	—	MMBD4148WDICT-ND	3.30	22.88	101.20	MMBD4148W-FDITR-ND◊	3,000	88.00/M
	80	50	75	1.0	100	3.5	4.0	200	K	A	—	MMBD4448HWDICT-ND	3.30	22.88	101.20	MMBD4448HWDITR-ND	3,000	88.00/M
	80	50	75	1.0	100	3.5	4.0	200	K	A	—	MMBD4448HW-FDICT-ND◊	3.30	22.88	101.20	MMBD4448HW-FDITR-ND◊	3,000	88.00/M
	75	2.5	75	1.0	100	4.0	4.0	200	K	A	—	MMBD4448WDICT-ND	3.30	22.88	101.20	MMBD4448WDITR-ND	3,000	88.00/M
	75	2.5	75	1.0	100	4.0	4.0	200	K	A	—	MMBD4448W-FDICT-ND◊	3.30	22.88	101.20	MMBD4448W-FDITR-ND◊	3,000	88.00/M
	85	2.0	75	1.0	50	1.5	4.0	150	K/A	A	A	BAV70TDICT-ND	2.63	18.20	80.50	—	—	—
	85	2.0	75	1.0	50	1.5	4.0	150	K/A	A	A	BAV70T-FDICT-ND◊	2.63	18.20	80.50	BAV70T-FDITR-ND◊	3,000	70.00/M
	85	2.0	75	1.0	50	1.5	4.0	150	A/K	A	K	BAV99T-FDICT-ND◊	3.00	20.80	92.00	BAV99T-FDITR-ND◊	3,000	80.00/M
	85	.005	75	1.0	10	—	3.0§	150	K	A	A	BAV170TDICT-ND	3.13	22.00	100.00	—	—	—
	85	.005	75	1.0	10	—	3.0§	150	K	A	A	BAV170T-FDICT-ND◊	3.13	22.00	100.00	BAV170T-FDITR-ND◊	3,000	90.00/M
	85	.005	75	1.0	10	—	3.0§	150	A/K	A	K	BAV199T-FDICT-ND◊	3.13	22.00	100.00	BAV199T-FDITR-ND◊	3,000	90.00/M
	85	2.0	75	1.0	50	1.5	4.0	150	A	K	K	BAW56TDICT-ND	2.81	19.80	90.00	—	—	—
	85	2.0	75	1.0	50	1.5	4.0	150	A	K	K	BAW56T-FDICT-ND◊	2.81	19.80	90.00	BAW56T-FDITR-ND◊	3,000	81.00/M
	85	.005	75	1.0	10	—	3.0§	150	A	K	K	BAW156TDICT-ND	3.13	22.00	100.00	—	—	—
	85	.005	75	1.0	10	—	3.0§	150	A	K	K	BAW156T-FDICT-ND◊	3.13	22.00	100.00	BAW156T-FDITR-ND◊	3,000	90.00/M
	80	0.1	70	1.0	100	3.5	4.0	150	A	K	K	MMBD4448HTADICT-ND	2.63	18.20	80.50	—	—	—
	80	0.1	70	1.0	100	3.5	4.0	150	A	K	K	MMBD4448HTA-FDICT-ND◊	2.63	18.20	80.50	MMBD4448HTA-FDITR-ND◊	3,000	70.00/M
	200	100	—	1.0	100	5.0	50	150	K	A	—	BAS21TDICT-ND	3.13	22.00	100.00	—	—	—
	200	0.1	—	1.0	100	5.0	50	150	K	A	—	BAS21T-FDICT-ND◊	3.13	22.00	100.00	BAS21T-FDITR-ND◊	3,000	90.00/M
	85	85	85	1.0	10	—	3.0§	150	K	A	—	BAS116TDICT-ND	2.81	19.80	90.00	BAS116TDITR-ND	3,000	81.00/M
	85	85	85	1.0	10	—	3.0§	150	K	A	—	BAS116T-FDICT-ND◊	2.81	19.80	90.00	BAS116T-FDITR-ND◊	3,000	81.00/M
	80	50	75	1.0	100	3.5	4.0	150	K	A	—	MMBD4448HTDICT-ND	2.63	18.20	80.50	MMBD4448HTDITR-ND	3,000	70.00/M
	80	50	75	1.0	100	3.5	4.0	150	K	A	—	MMBD4448HT-FDICT-ND◊	2.63	18.20	80.50	MMBD4448HT-FDITR-ND◊	3,000	70.00/M
4	80	50	75	.855	10	3.5	4.0	150	—	—	—	MMBD4448VDICT-ND	3.00	21.60	108.00	MMBD4448VDITR-ND	3,000	102.00/M
	75	50	75	.855	10	2.0	4.0	150	—	—	—	BAS16VDICT-ND	3.00	21.60	108.00	BAS16VDITR-ND	3,000	102.00/M

§ Reverse Recovery Time @ µs ◊ ***RoHS Compliant*** (Continue

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High Speed Switching Diodes (Cont.)

Fig.	Peak Reverse Voltage VRWM (V)	Max. Reverse Current IR (µA)	Current VR (V)	Max. Forward Voltage @ VF (V)	IF (mA)	Max. Capacitance C (pF)	Max. Reverse Recovery Time Trr (nS)	Power Dissipation Pd (mW)	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing
5	75	2.5	75	1.0	50	4.0	4.0	200	MMBD4448DWDICT-ND†	3.13	22.00	100.00	—	—	—
	75	2.5	75	1.0	50	4.0	4.0	200	MMBD4448DW-FDICT-ND†◊	3.13	22.00	100.00	MMBD4448DW-FDITR-ND†◊	3,000	90.00/M
6	75	5.0	75	1.0	10	4.0	4.0	500	1N4148DICT-ND	1.20	6.75	24.38	1N4148DITR-ND	10,000	15.00/M
7	75	5.0	75	1.0	10	4.0	4.0	500	LL4148DICT-ND	2.00	13.00	54.00	LL4148DITR-ND	10,000	34.00/M
	75	5.0	75	1.0	100	4.0	4.0	500	LL4448DICT-ND	2.00	13.00	54.00	LL4448DITR-ND	2,500	47.00/M
8	75	2.5	75	.855	10	2.0	4.0	400	1N4148WDICT-ND	3.00	20.80	92.00	1N4148WDITR-ND	3,000	80.00/M
	75	2.5	75	.855	10	2.0	4.0	400	1N4148W-FDICT-ND◊	3.00	20.80	92.00	1N4148W-FDITR-ND◊	3,000	80.00/M
	75	2.5	75	.855	10	4.0	4.0	400	1N4448W-FDICT-ND◊	3.00	20.80	92.00	1N4448W-FDITR-ND◊	3,000	80.00/M
	75	1.0	75	1.0	50	2.0	4.0	400	BAV16W-FDICT-ND◊	3.00	20.80	92.00	BAV16W-FDITR-ND◊	3,000	80.00/M
	100	0.1	120	1.0	100	5.0	50	250	BAV19W-FDICT-ND◊	3.13	22.00	100.00	BAV19W-FDITR-ND◊	3,000	90.00/M
	150	0.1	150	1.0	100	5.0	50	250	BAV20WDICT-ND	3.13	22.00	100.00	—	—	—
	150	0.1	150	1.0	100	5.0	50	250	BAV20W-FDICT-ND◊	3.13	22.00	100.00	BAV20W-FDITR-ND◊	3,000	90.00/M
	200	0.1	250	1.0	100	5.0	50	250	BAV21W-FDICT-ND◊	3.13	22.00	100.00	BAV21W-FDITR-ND◊	3,000	90.00/M
	130	0.005	75	1.0	10	5.0	3.0§	250	BAV116WDICT-ND	2.81	19.80	90.00	—	—	—
	130	0.005	75	1.0	10	5.0	3.0§	250	BAV116W-FDICT-ND◊	2.81	19.80	90.00	BAV116W-FDITR-ND◊	3,000	81.00/M
	300	100	240	1.0	100	5.0	50	400	BAV3004WDICT-ND	3.60	27.00	144.00	BAV3004WDITR-ND	3,000	135.00/M
	300	100	240	1.0	100	5.0	50	400	BAV3004W-FDICT-ND◊	3.60	27.00	144.00	BAV3004W-FDITR-ND◊	3,000	135.00/M
9	80	5.0	75	.855	10	3.5	4.0	200	1N4448HWS-FDICT-ND◊	3.00	20.80	92.00	1N4448HWS-FDITR-ND◊	3,000	80.00/M
	75	1.0	75	.855	10	2.0	4.0	200	1N4148WSDICT-ND	3.00	20.80	92.00	1N4148WSDITR-ND	3,000	80.00/M
	75	1.0	75	.855	10	2.0	4.0	200	1N4148WS-FDICT-ND◊	3.00	20.80	92.00	1N4148WS-FDITR-ND◊	3,000	80.00/M
	75	2.5	75	1.0	100	4.0	4.0	200	1N4448WS-FDICT-ND◊	3.00	20.80	92.00	1N4448WS-FDITR-ND◊	3,000	80.00/M
	75	1.0	75	1.0	50	2.0	4.0	200	BAV16WSDICT-ND	3.00	20.80	92.00	—	—	—
	75	1.0	75	1.0	50	2.0	4.0	200	BAV16WS-FDICT-ND◊	3.00	20.80	92.00	BAV16WS-FDITR-ND◊	3,000	80.00/M
	100	0.1	120	1.0	100	5.0	50	200	BAV19WS-FDICT-ND◊	3.00	21.60	108.00	BAV19WS-FDITR-ND◊	3,000	102.00/M
	150	0.1	150	1.0	100	5.0	50	200	BAV20WSDICT-ND	3.00	21.60	108.00	—	—	—
	150	0.1	150	1.0	100	5.0	50	200	BAV20WS-FDICT-ND◊	3.00	21.60	108.00	BAV20WS-FDITR-ND◊	3,000	102.00/M
	200	0.1	250	1.0	100	5.0	50	200	BAV21WS-FDICT-ND◊	3.00	21.60	108.00	BAV21WS-FDITR-ND◊	3,000	102.00/M
10	80	0.1	80	1.0	100	3.0	4.0	150	1N4448HWTDICT-ND◊	2.81	19.80	90.00	1N4448HWTDITR-ND◊	3,000	81.00/M
	80	1	80	1.0	50	2.0	4.0	150	1N4148WTDICT-ND◊	2.81	19.80	90.00	1N4148WTDITR-ND◊	3,000	243.00
11	80	50	75	1.0	100	3.0	4.0	250	1N4448HLPDICT-ND◊	4.00	28.80	144.00	1N4448HLPDITR-ND◊	3,000	136.00/M
	75	50	75	1.0	50	2.0	4.0	250	BAS16LPDICT-ND◊	4.00	28.80	144.00	BAS16LPDITR-ND◊	3,000	136.00/M

† Dual Isolated Single § Reverse Recovery Time @ µs ◊ *RoHS Compliant*

Ultra Fast Switching Rectifiers

Operating Temperature: -65°C ~ 150°C

Fig. 1 — DO-41

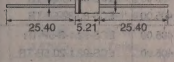


Fig. 2 — D2PAK

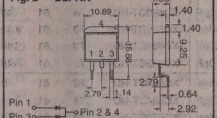


Fig. 3 — SMA

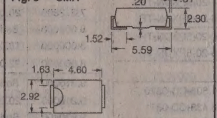


Fig. 4 — SMB

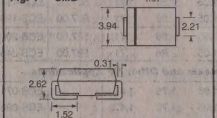


Fig. 5 — SMC

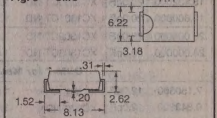


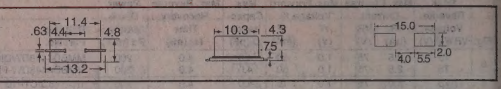
Fig.	Package	Maximum Average Rectified Current (A)	Maximum Peak Reverse Voltage (V)	Maximum Surge Current 8.3ms (A)	Maximum Reverse Current @ 25°C (µA)	Maximum Peak Forward Voltage (V)	Maximum Reverse Recovery Time (nS)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing
1	DO-41	1.0	50	30	5.0	1.0	50	UF1001DICT-ND	.45	.31	.22	UF1001DITR-ND	5,000	74.00/M
			100	30	5.0	1.0	50	UF1002DICT-ND	.39	.29	.21	UF1002DITR-ND	5,000	78.00/M
			200	30	5.0	1.0	50	UF1003DICT-ND	.43	.32	.23	UF1003DITR-ND	5,000	87.00/M
			400	30	5.0	1.3	50	UF1004DICT-ND	.50	.37	.26	UF1004DITR-ND	5,000	100.00/M
			600	30	5.0	1.7	75	UF1005DICT-ND	.44	.34	.25	UF1005DITR-ND	5,000	109.00/M
			800	30	5.0	1.7	75	UF1006DICT-ND	.52	.40	.29	UF1006DITR-ND	5,000	128.00/M
			1000	30	5.0	1.7	75	UF1007DICT-ND	.48	.38	.29	UF1007DITR-ND	5,000	133.00/M
2	D2PAK	16	100	100	5.0	0.975	30	MURB1610CTDICT-ND◊	2.40	2.00	1.68	MURB1610CTDITR-ND◊	800	960.00
			200	100	5.0	0.975	30	MURB1620CTDICT-ND◊	2.30	1.79	1.42	MURB1620CTDITR-ND◊	800	1020.00
3	SMA	1.0	50	30	5.0	0.9	25	ES1A-FDICT-ND◊	.68	.54	.41	ES1A-FDITR-ND◊	5,000	189.00/M
			100	30	2.0	0.9	25	ES1B-FDICT-ND◊	.70	.56	.42	ES1B-FDITR-ND◊	5,000	196.00/M
			150	30	5.0	0.98	20	ES1CDICT-ND	.73	.58	.44	ES1CDITR-ND	5,000	203.00/M
			150	30	5.0	0.98	20	ES1C-FDICT-ND◊	.73	.58	.44	ES1C-FDITR-ND◊	5,000	203.00/M
			200	30	2.0	0.9	25	ES1D-FDICT-ND◊	.68	.54	.41	ES1D-FDITR-ND◊	5,000	203.00/M
			50	30	5.0	1.0	50	US1A-FDICT-ND◊	.55	.44	.33	US1A-FDITR-ND◊	5,000	154.00/M
			100	30	5.0	1.0	50	US1B-FDICT-ND◊	.60	.48	.36	US1B-FDITR-ND◊	5,000	168.00/M
			200	30	5.0	1.0	50	US1D-FDICT-ND◊	.65	.52	.39	US1D-FDITR-ND◊	5,000	182.00/M
			400	30	5.0	1.3	50	US1GDICT-ND	.70	.56	.42	US1GDITR-ND	5,000	196.00/M
			400	30	5.0	1.3	50	US1G-FDICT-ND◊	.70	.56	.42	US1G-FDITR-ND◊	5,000	196.00/M
			600	30	5.0	1.7	75	US1J-FDICT-ND◊	.68	.54	.41	US1J-FDITR-ND◊	5,000	203.00/M
			800	30	5.0	1.7	75	US1K-FDICT-ND◊	.72	.58	.44	US1K-FDITR-ND◊	5,000	216.00/M
			1000	30	5.0	1.7	75	US1M-FDICT-ND◊	.77	.62	.46	US1M-FDITR-ND◊	5,000	230.00/M
		2.0	50	50	5.0	0.92	25	ES2AA-FDICT-ND◊	.72	.58	.44	ES2AA-FDITR-ND◊	5,000	216.00/M
			100	50	5.0	0.92	25	ES2BA-FDICT-ND◊	.77	.62	.46	ES2BA-FDITR-ND◊	5,000	230.00/M
			150	50	5.0	0.92	25	ES2CA-FDICT-ND◊	.81	.65	.49	ES2CA-FDITR-ND◊	5,000	243.00/M
			200	50	5.0	0.92	25	ES2DA-FDICT-ND◊	.86	.69	.52	ES2DA-FDITR-ND◊	5,000	257.00/M
4	SMB	1.0	200	40	2.0	0.875	25	MURS120-FDICT-ND◊	.68	.54	.41	MURS120-FDITR-ND◊	3,000	214.00/M
			400	35	5.0	1.25	50	MURS140DICT-ND	.60	.48	.36	MURS140DITR-ND	3,000	200.00/M
			400	35	5.0	1.25	50	MURS140-FDICT-ND◊	.68	.54	.41	MURS140-FDITR-ND◊	3,000	214.00/M
			600	35	5.0	1.25	50	MURS160-FDICT-ND◊	.72	.58	.44	MURS160-FDITR-ND◊	3,000	228.00/M
			50	50	5.0	0.9	25	ES2A-FDICT-ND◊	.72	.58	.44	ES2A-FDITR-ND◊	3,000	228.00/M
		2.0	100	50	5.0	0.9	25	ES2B-FDICT-ND◊	.77	.62	.46	ES2B-FDITR-ND◊	3,000	242.00/M
			150	50	5.0	0.9	25	ES2CDICT-ND	.72	.58	.44	—	—	—
			150	50	5.0	0.9	25	ES2C-FDICT-ND◊	.81	.65	.49	ES2C-FDITR-ND◊	3,000	257.00/M
			200	50	5.0	0.9	25	ES2D-FDICT-ND◊	.86	.69	.52	ES2D-FDITR-ND◊	3,000	271.00/M
		3.0	50	100	10	0.9	25	ES3ABDICT-ND	.89	.71	.54	—	—	—
			50	100	10	0.9	25	ES3AB-FDICT-ND◊	1.01	.88	.68	ES3AB-FDITR-ND◊	3,000	359.00/M
			100	100	10	0.9	25	ES3BB-FDICT-ND◊	.96	.83	.64	ES3BB-FDITR-ND◊	3,000	339.00/M
			150	100	10	0.9	25	ES3CB-FDICT-ND◊	1.01	.88	.68	ES3CB-FDITR-ND◊	3,000	359.00/M
			200	100	10	0.9	25	ES3DB-FDICT-ND◊	1.20	1.04	.80	ES3DB-FDITR-ND◊	3,000	426.00/M
5	SMC	3.0	50	100	10	0.9	25	ES3ADICT-ND	.89	.71	.54	ES3ADITR-ND	3,000	351.00/M
			50	100	10	0.9	25	ES3A-FDICT-ND◊	1.01	.88	.68	ES3A-FDITR-ND◊	3,000	359.00/M
			100	100	10	0.9	25	ES3B-FDICT-ND◊	.96	.83	.64	ES3B-FDITR-ND◊	3,000	339.00/M
			150	100	10	0.9	25	ES3C-FDICT-ND◊	1.01	.88	.68	ES3C-FDITR-ND◊	3,000	359.00/M
			200	100	10	0.9	25	ES3D-FDICT-ND◊	1.20	1.04	.80	ES3D-FDITR-ND◊	3,000	426.00/M

◊ *RoHS Compliant*

ECS INC. INTERNATIONAL — Quartz Crystals - CSM-7 Case Series, SMD, Low Profile

Electrical Characteristics:

• **Frequency Tolerance:** ±30ppm @ 25°C and ±50ppm over operating temperature range • **Frequency Stability (Extended Temp. Version):** ±100ppm, -40°C ~ +85°C • **Shunt Capacitance:** 7.0pF • **Drive Level:** 0.5mW • **Operating Temperature:** -10°C ~ 70°C (Extended Temperature Version: -40°C ~ 85°C) • **Storage Temperature:** -40°C ~ 105°C • **Aging Characteristics (first year):** ±5.0ppm @ 25°C



Frequency (MHz)	Load Cap.	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R** Pricing 1,000	ECS Part No.
CSM-7 Industrial Temperature Range							
3.579545	17.0pF	XC730CT-ND	1.05	.88	.71	526.50	ECS-35-17-5PDN-TR
3.686400	20.0pF	XC731CT-ND	1.05	.88	.71	526.50	ECS-36-20-5PDN-TR
4.000000	20.0pF	XC732CT-ND	1.05	.88	.71	526.50	ECS-40-20-5PDN-TR
6.000000	32.0pF	XC733CT-ND	1.05	.88	.71	526.50	ECS-60-32-5PDN-TR
7.372800	20.0pF	XC734CT-ND	1.05	.88	.71	526.50	ECS-73-20-5PDN-TR
8.000000	18.0pF	XC735CT-ND	1.05	.88	.71	526.50	ECS-80-18-5PDN-TR
12.000000	20.0pF	XC736CT-ND	1.05	.88	.71	526.50	ECS-120-20-5PDN-TR
14.318180	20.0pF	XC737CT-ND	1.05	.88	.71	526.50	ECS-143-20-5PDN-TR
16.000000	20.0pF	XC738CT-ND	1.05	.88	.71	526.50	ECS-160-20-5PDN-TR
18.432000	20.0pF	XC739CT-ND	1.05	.88	.71	526.50	ECS-184-20-5PDN-TR
19.660800	20.0pF	XC740CT-ND	1.05	.88	.71	526.50	ECS-196-20-5PDN-TR
20.000000	20.0pF	XC741CT-ND	1.05	.88	.71	526.50	ECS-200-20-5PDN-TR
24.000000	20.0pF	XC742CT-ND	1.05	.88	.71	526.50	ECS-240-20-5PDN-TR
CSM-7 Industrial Temperature Range — RoHS Compliant							
3.579545	17.0pF	XC1292CT-ND	1.05	.88	.71	527.00	ECS-35-17-5PXDN-TR
3.686400	20.0pF	XC1293CT-ND	1.05	.88	.71	527.00	ECS-36-20-5PXDN-TR
4.000000	20.0pF	XC1294CT-ND	1.05	.88	.71	527.00	ECS-40-20-5PXDN-TR
6.000000	32.0pF	XC1295CT-ND	1.05	.88	.71	527.00	ECS-60-32-5PXDN-TR
7.372800	20.0pF	XC1296CT-ND	1.05	.88	.71	527.00	ECS-73-20-5PXDN-TR
8.000000	18.0pF	XC1297CT-ND	1.05	.88	.71	527.00	ECS-80-18-5PXDN-TR
12.000000	20.0pF	XC1298CT-ND	1.05	.88	.71	527.00	ECS-120-20-5PXDN-TR
16.000000	20.0pF	XC1299CT-ND	1.05	.88	.71	527.00	ECS-160-20-5PXDN-TR
18.432000	20.0pF	XC1300CT-ND	1.05	.88	.71	527.00	ECS-184-20-5PXDN-TR
19.660800	20.0pF	XC1301CT-ND	1.05	.88	.71	527.00	ECS-196-20-5PXDN-TR
20.000000	20.0pF	XC1302CT-ND	1.05	.88	.71	527.00	ECS-200-20-5PXDN-TR
24.000000	20.0pF	XC1303CT-ND	1.05	.88	.71	527.00	ECS-240-20-5PXDN-TR
CSM-7 for Melexis and Other RF Applications							
7.150500	12.0pF	XC871-ND*	1.95	1.76	1.47	—	ECS-071.505-CD-0370
9.843800	12.0pF	XC872-ND*	1.95	1.76	1.47	—	ECS-098.438-CD-0371
13.062500	12.0pF	XC873-ND*	1.95	1.76	1.47	—	ECS-130.625-CD-0373
13.560000	12.0pF	XC874-ND*	1.95	1.76	1.47	—	ECS-135.600-CD-0374
20.356300	12.0pF	XC875-ND*	1.95	1.76	1.47	—	ECS-203.563-CD-0375
22.627800	12.0pF	XC876-ND*	1.95	1.76	1.47	—	ECS-226.278-CD-0376
23.264300	12.0pF	XC877-ND*	1.95	1.76	1.47	—	ECS-232.643-CD-0377
23.512200	12.0pF	XC878-ND*	1.95	1.76	1.47	—	ECS-235.122-CD-0378
25.223500	12.0pF	XC879-ND*	1.95	1.76	1.47	—	ECS-252.235-CD-0379
25.456300	12.0pF	XC880-ND*	1.95	1.76	1.47	—	ECS-254.563-CD-0380
26.451300	12.0pF	XC881-ND*	1.95	1.76	1.47	—	ECS-264.513-CD-0381
26.597100	12.0pF	XC882-ND*	1.95	1.76	1.47	—	ECS-265.971-CD-0382
27.134400	12.0pF	XC883-ND*	1.95	1.76	1.47	—	ECS-271.344-CD-0383
27.468800	12.0pF	XC884-ND*	1.95	1.76	1.47	—	ECS-274.688-CD-0384
28.259400	12.0pF	XC885-ND*	1.95	1.76	1.47	—	ECS-282.594-CD-0385
28.593800	12.0pF	XC886-ND*	1.95	1.76	1.47	—	ECS-285.938-CD-0386
CSM-7 for Melexis and Other RF Applications — RoHS Compliant							
4.897000	20.0pF	XC1023CT-ND	1.95	1.76	1.47	975.00	ECS-48.97-CDX-0065-TR
6.496300	20.0pF	XC1024CT-ND	1.95	1.76	1.47	975.00	ECS-64.983-CDX-0067-TR
6.745800	20.0pF	XC1025CT-ND	1.95	1.76	1.47	975.00	ECS-67.458-CDX-0068-TR
7.150500	12.0pF	XC1355-ND*	1.95	1.76	1.47	—	ECS-071.505-CDX-0370
9.843750	10.0pF	XC1026CT-ND	1.95	1.76	1.47	975.00	ECS-98.4375-CDX-0314-TR
9.843800	12.0pF	XC1356-ND*	1.95	1.76	1.47	—	ECS-098.438-CDX-0371
13.062500	12.0pF	XC1357-ND*	1.95	1.76	1.47	—	ECS-130.625-CDX-0373
13.560000	10.0pF	XC1027CT-ND	1.95	1.76	1.47	975.00	ECS-135.60-CDX-0317-TR
13.560000	12.0pF	XC1358-ND*	1.95	1.76	1.47	—	ECS-135.600-CDX-0374
20.356300	12.0pF	XC1359-ND*	1.95	1.76	1.47	—	ECS-203.563-CDX-0375
22.627800	12.0pF	XC1360-ND*	1.95	1.76	1.47	—	ECS-226.278-CDX-0376
23.264300	12.0pF	XC1361-ND*	1.95	1.76	1.47	—	ECS-232.643-CDX-0377
23.512200	12.0pF	XC1362-ND*	1.95	1.76	1.47	—	ECS-235.122-CDX-0378
25.223500	12.0pF	XC1363-ND*	1.95	1.76	1.47	—	ECS-252.235-CDX-0379
25.456300	12.0pF	XC1364-ND*	1.95	1.76	1.47	—	ECS-254.563-CDX-0380
26.451300	12.0pF	XC1365-ND*	1.95	1.76	1.47	—	ECS-264.513-CDX-0381
26.597100	12.0pF	XC1366-ND*	1.95	1.76	1.47	—	ECS-265.971-CDX-0382
27.134400	12.0pF	XC1367-ND*	1.95	1.76	1.47	—	ECS-271.344-CDX-0383
27.468800	12.0pF	XC1368-ND*	1.95	1.76	1.47	—	ECS-274.688-CDX-0384
28.259400	12.0pF	XC1369-ND*	1.95	1.76	1.47	—	ECS-282.594-CDX-0385
28.593800	12.0pF	XC1370-ND*	1.95	1.76	1.47	—	ECS-285.938-CDX-0386
CSM-7 Case							
3.579545	Series	XC663CT-ND	.73	.61	.49	405.00	ECS-35-S-5P-TR
3.579545	17.0pF	XC560CT-ND	.73	.61	.49	405.00	ECS-35-17-5P-TR
3.686400	Series	XC561CT-ND	.73	.61	.49	405.00	ECS-36-S-5P-TR
3.686400	20.0pF	XC562CT-ND	.73	.61	.49	405.00	ECS-36-20-5P-TR
4.000000	Series	XC563CT-ND	.73	.61	.49	405.00	ECS-40-S-5P-TR

Frequency (MHz)	Load Cap.	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R** Pricing 1,000	ECS Part No.
CSM-7 Case (Cont.)							
4.000000	20.0pF	XC564CT-ND	.73	.61	.49	405.00	ECS-40-20-5P-TR
4.032000	Series	XC665CT-ND	.73	.61	.49	405.00	ECS-40.3-S-5P-TR
4.032000	20.0pF	XC664CT-ND	.73	.61	.49	405.00	ECS-40.3-20-5P-TR
4.096000	20.0pF	XC666CT-ND	.73	.61	.49	405.00	ECS-41-20-5P-TR
4.194304	12.0pF	XC667CT-ND	.73	.61	.49	405.00	ECS-42-12-5P-TR
4.194304	16.0pF	XC668CT-ND	.73	.61	.49	405.00	ECS-42-16-5P-TR
4.433618	20.0pF	XC669CT-ND	.73	.61	.49	405.00	ECS-44-20-5P-TR
4.915200	Series	XC565CT-ND	.73	.61	.49	405.00	ECS-49-S-5P-TR
4.915200	20.0pF	XC566CT-ND	.73	.61	.49	405.00	ECS-49-20-5P-TR
5.000000	Series	XC670CT-ND	.73	.61	.49	405.00	ECS-50-S-5P-TR
5.000000	20.0pF	XC671CT-ND	.73	.61	.49	405.00	ECS-50-20-5P-TR
5.068800	Series	XC672CT-ND	.73	.61	.49	405.00	ECS-51-S-5P-TR
5.068800	20.0pF	XC673CT-ND	.73	.61	.49	405.00	ECS-51-20-5P-TR
5.185000	Series	XC674CT-ND	.73	.61	.49	405.00	ECS-52-S-5P-TR
5.185000	32.0pF	XC675CT-ND	.73	.61	.49	405.00	ECS-52-32-5P-TR
5.990400	Series	XC676CT-ND	.73	.61	.49	405.00	ECS-59-S-5P-TR
5.990400	20.0pF	XC677CT-ND	.73	.61	.49	405.00	ECS-59.9-20-5P-TR
6.000000	Series	XC678CT-ND	.73	.61	.49	405.00	ECS-60-S-5P-TR
6.000000	32.0pF	XC679CT-ND	.73	.61	.49	405.00	ECS-60-32-5P-TR
6.144000	32.0pF	XC567CT-ND	.73	.61	.49	405.00	ECS-61-32-5P-TR
7.372800	Series	XC568CT-ND	.73	.61	.49	405.00	ECS-73-S-5P-TR
7.372800	20.0pF	XC680CT-ND	.73	.61	.49	405.00	ECS-73-20-5P-TR
8.000000	Series	XC569CT-ND	.73	.61	.49	405.00	ECS-80-S-5P-TR
8.000000	18.0pF	XC681CT-ND	.73	.61	.49	405.00	ECS-80-18-5P-TR
8.000000	32.0pF	XC682CT-ND	.73	.61	.49	405.00	ECS-80-32-5P-TR
9.216000	Series	XC683CT-ND	.73	.61	.49	405.00	ECS-92.1-S-5P-TR
9.216000	20.0pF	XC684CT-ND	.73	.61	.49	405.00	ECS-92.1-20-5P-TR
9.830400	Series	XC570CT-ND	.73	.61	.49	405.00	ECS-98.3-S-5P-TR
9.830400	20.0pF	XC571CT-ND	.73	.61	.49	405.00	ECS-98.3-20-5P-TR
10.000000	Series	XC572CT-ND	.73	.61	.49	405.00	ECS-100-S-5P-TR
10.000000	18.0pF	XC716CT-ND	.73	.61	.49	405.00	ECS-100-18-5P-TR
11.000000	Series	XC685CT-ND	.73	.61	.49	405.00	ECS-110-S-5P-TR
11.059200	Series	XC573CT-ND	.73	.61	.49	405.00	ECS-110.5-S-5P-TR
11.059200	20.0pF	XC574CT-ND	.73	.61	.49	405.00	ECS-110.5-20-5P-TR
11.059200	32.0pF	XC686CT-ND	.73	.61	.49	405.00	ECS-110.5-32-5P-TR
12.000000	Series	XC575CT-ND	.73	.61	.49	405.00	ECS-120-S-5P-TR
12.000000	18.0pF	XC717CT-ND	.73	.61	.49	405.00	ECS-120-18-5P-TR
12.000000	32.0pF	XC687CT-ND	.73	.61	.49	405.00	ECS-120-32-5P-TR
12.000393	18.0pF	XC688CT-ND	.73	.61	.49	405.00	ECS-120.003-18-5PTR
12.288000	Series	XC689CT-ND	.73	.61	.49	405.00	ECS-122.8-S-5P-TR
12.288000	20.0pF	XC690CT-ND	.73	.61	.49	405.00	ECS-122.8-20-5P-TR
14.318180	Series	XC576CT-ND	.73	.61	.49	405.00	ECS-143-S-5P-TR
14.318180	20.0pF	XC718CT-ND	.73	.61	.49	405.00	ECS-143-20-5P-TR
14.745600	Series	XC691CT-ND	.73	.61	.49	405.00	ECS-147.4-S-5P-TR
14.745600	20.0pF	XC692CT-ND	.73	.61	.49	405.00	ECS-147.4-20-5P-TR
15.000000	Series	XC693CT-ND	.73	.61	.49	405.00	ECS-150-S-5P-TR
16.000000	Series	XC577CT-ND	.73	.61	.49	405.00	ECS-160-S-5P-TR
16.000000	20.0pF	XC694CT-ND	.73	.61	.49	405.00	ECS-160-20-5P-TR
16.000312	18.0pF	XC695CT-ND	.73	.61	.49	405.00	ECS-160.003-18-5PTR
16.257000	Series	XC697CT-ND	.73	.61	.49	405.00	ECS-162.5-S-5P-TR
16.257000	20.0pF	XC696CT-ND	.73	.61	.49	405.00	ECS-162.5-20-5P-TR
18.000000	Series	XC698CT-ND	.73	.61	.49	405.00	ECS-180-S-5P-TR
18.432000	Series	XC578CT-ND	.73	.61	.49	405.00	ECS-184-S-5P-TR
18.432000	18.0pF	XC699CT-ND	.73	.61	.49	405.00	ECS-184-18-5P-TR
18.432000	20.0pF	XC700CT-ND	.73	.61	.49	405.00	ECS-184-20-5P-TR
19.660800	Series	XC579CT-ND	.73	.61	.49	405.00	ECS-196.6-S-5P-TR
19.660800	20.0pF	XC701CT-ND	.73	.61	.49	405.00	ECS-196.6-20-5P-TR
20.000000	Series	XC580CT-ND	.73	.61	.49	405.00	ECS-200-S-5P-TR
20.000000	16.0pF	XC719CT-ND	.73	.61	.49	405.00	ECS-200-16-5P-TR
20.000000	20.0pF	XC581CT-ND	.73	.61	.49	405.00	ECS-200-20-5P-TR
20.480000	20.0pF	XC743CT-ND	.73	.61	.49	405.00	ECS-204.8-20-5P-TR
24.000000	16.0pF	XC583CT-ND	.73	.61	.49	405.00	ECS-240-16-5P-TR
24.000000	20.0pF	XC582CT-ND	.73	.61	.49	405.00	ECS-240-20-5P-TR
24.000140	18.0pF	XC702CT-ND	.73	.61	.49	405.00	ECS-240.001-18-5PTR
24.576000	20.0pF	XC744CT-ND	.73	.61	.49	405.00	ECS-245.7-20-5P-TR

** For Tape & Reel Part No., change CT-ND to TR-ND.
* Due to manufacturer, product may come Cut Tape or Bulk

Through-Hole Quartz Crystals

Fig. 1

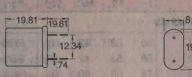


Fig. 2

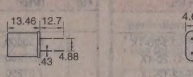
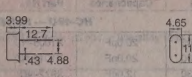


Fig. 3



ries resonance appears resistive in the circuit and impedance at f_S is at minimum value. Unless load capacitance is specified, all crystals are manufactured at series resonance. When a crystal is operating at parallel onance (fL) it will look inductive in a circuit. Crystal frequency varies pending on the value of load capacitance. The load capacitance is the namic capacitance of the total circuit as measured or computed across crystal terminals. Always specify the load capacitance if the crystal l be operated in the parallel mode.

HC-49U

• Frequency Tolerance @ 25°C: ±30ppm **• Frequency Stability:** ±50ppm **• Shunt Capacitance:** 7pF Max. **• Drive Level:** 1.800 ~ 3.000MHz 200µW; 3.000 ~ 100.000MHz 100µW **• Operating Temperature:** -10°C ~ 70°C **• Storage Temperature:** -30°C ~ 85°C **• Aging Characteristics (First Year):** ±5ppm @ 25°C **• Mode of Operation:** Fundamental except when noted

HC-49US

• Frequency Tolerance @ 25°C: ±30ppm **• Frequency Stability @ 25°C:** Standard -10°C ~ 70°C ±50ppm **• Shunt Capacitance: 7pF Max. • Drive Level:** 500µW **• Operating Temperature:** -10°C ~ 70°C **• Storage Temperature:** -40°C ~ 105°C **• Aging Characteristics (First Year):** ±5ppm @ 25°C **• Mode of Operation:** Fundamental except when noted

HC49INS-ND Base Insulator ..... $.90/10 $7.50/100

Fig.	Frequency (MHz)	Load Capacitance	Digi-Key Part No.	Price Each 1	10	100	500	ECS Part No.
			HC-33					
1	2.94912	32.0pF	X014-ND	1.37	1.14	.91	.70	ECS-29.4-32-2P
			HC-49/UA					
2	1.00000	13.0pF	X066B-ND*	17.88	14.85	8.09	7.54	ECS-10-13-1H
			HC-49/UA — RoHS Compliant					
2	1.00000	13.0pF	X999-ND*	17.88	14.85	8.09	7.54	ECS-10-13-1XH
			HC-49U					
	1.84320	Series	X002-ND	1.95	1.62	1.29	1.00	ECS-18-S-1
	1.84320	13.0pF	X067-ND	1.95	1.62	1.29	1.00	ECS-18-13-1
	2.00000	Series	X004-ND	1.95	1.62	1.29	1.00	ECS-20-S-1
	2.00000	20.0pF	X068-ND	1.95	1.62	1.29	1.00	ECS-20-20-1
	2.04800	12.0pF	X098-ND	1.95	1.62	1.29	1.00	ECS-20.48-12-1
	2.45760	32.0pF	X069-ND	1.63	1.35	1.08	.83	ECS-24-32-1
	2.50000	Series	X070-ND	1.63	1.35	1.08	.83	ECS-25-S-1
	3.00000	Series	X009-ND	1.63	1.35	1.08	.83	ECS-30-S-1
	3.27680	17.0pF	X022-ND	.65	.54	.43	.34	ECS-32-17-1
	3.57955	Series	X011-ND	.40	.36	.32	.29	ECS-35-S-1
	3.57955	17.0pF	X049-ND	.40	.36	.32	.29	ECS-35-17-1
	3.68640	Series	X080-ND	.40	.36	.32	.29	ECS-36-S-1
	3.68640	18.0pF	X071-ND	.40	.36	.32	.29	ECS-36-18-1
	3.93216	17.0pF	X013-ND	.40	.36	.32	.29	ECS-39-17-1
	4.00000	Series	X081-ND	.40	.36	.32	.29	ECS-40-S-1
	4.00000	20.0pF	X006-ND	.40	.36	.32	.29	ECS-40-20-1
	4.03200	Series	X015-ND	.40	.36	.32	.29	ECS-40.3-S-1
	4.03200	20.0pF	X072-ND	.40	.36	.32	.29	ECS-40.3-20-1
	4.09600	20.0pF	X082-ND	.40	.36	.32	.29	ECS-41-20-1
	4.19430	12.0pF	X007-ND	.40	.36	.32	.29	ECS-42-12-1
	4.43362	20.0pF	X083-ND	.40	.36	.32	.29	ECS-44-20-1
	4.91520	Series	X050-ND	.40	.36	.32	.29	ECS-49-S-1
	4.91520	20.0pF	X084-ND	.40	.36	.32	.29	ECS-49-20-1
	5.00000	Series	X099-ND	.40	.36	.32	.29	ECS-50-S-1
	5.00000	20.0pF	X051-ND	.40	.36	.32	.29	ECS-50-20-1
2	5.06880	Series	X052-ND	.40	.36	.32	.29	ECS-51-S-1
	5.06880	20.0pF	X085-ND	.40	.36	.32	.29	ECS-51-20-1
	5.18500	Series	X053-ND	.40	.36	.32	.29	ECS-52-S-1
	5.18500	32.0pF	X016-ND	.40	.36	.32	.29	ECS-52-32-1
	5.99040	Series	X073-ND	.40	.36	.32	.29	ECS-59-S-1
	5.99040	20.0pF	X017-ND	.40	.36	.32	.29	ECS-59.9-20-1
	6.00000	Series	X026-ND	.40	.36	.32	.29	ECS-60-S-1
	6.00000	32.0pF	X086-ND	.40	.36	.32	.29	ECS-60-32-1
	6.14400	32.0pF	X054-ND	.40	.36	.32	.29	ECS-61-32-1
	6.55360	12.0pF	X018-ND	.40	.36	.32	.29	ECS-65-12-1
	7.37280	Series	X074-ND	.40	.36	.32	.29	ECS-73-S-1
	7.37280	20.0pF	X019-ND	.40	.36	.32	.29	ECS-73-20-1
	7.68000	20.0pF	X020-ND	.40	.36	.32	.29	ECS-76.8-20-1
	8.00000	Series	X056-ND	.40	.36	.32	.29	ECS-80-S-1
	8.00000	18.0pF	X100-ND	.40	.36	.32	.29	ECS-80-18-1
	8.00000	20.0pF	X021-ND	.40	.36	.32	.29	ECS-80-20-1
	8.00000	32.0pF	X137-ND	.40	.36	.32	.29	ECS-80-32-1
	9.21600	Series	X075-ND	.40	.36	.32	.29	ECS-92.1-S-1
	9.21600	20.0pF	X138-ND	.40	.36	.32	.29	ECS-92.1-20-1
	9.83040	Series	X023-ND	.40	.36	.32	.29	ECS-98.3-S-1
	9.83040	20.0pF	X087-ND	.40	.36	.32	.29	ECS-98.3-20-1
	10.00000	Series	X057-ND	.40	.36	.32	.29	ECS-100-S-1
	10.73864	Series	X024-ND	.40	.36	.32	.29	ECS-107.3-S-1
	11.00000	Series	X088-ND	.40	.36	.32	.29	ECS-110-S-1
	11.04600	Series	X025-ND	.40	.36	.32	.29	ECS-110.4-S-1
	11.05920	Series	X078-ND	.40	.36	.32	.29	ECS-110.5-S-1
	11.05920	20.0pF	X089-ND	.40	.36	.32	.29	ECS-110.5-20-1
	11.05920	32.0pF	X139-ND	.40	.36	.32	.29	ECS-110.5-32-1
	11.22800	Series	X028-ND	.40	.36	.32	.29	ECS-112.2-S-1
	11.52000	Series	X140-ND	.40	.36	.32	.29	ECS-115.2-S-1
	11.98135	Series	X029-ND	.40	.36	.32	.29	ECS-119.8-S-1
	12.00000	Series	X058-ND	.40	.36	.32	.29	ECS-120-S-1
	12.00000	32.0pF	X030-ND	.40	.36	.32	.29	ECS-120-32-1
	12.00039	18.0pF	X147-ND	.40	.36	.32	.29	ECS-120.003-18-1
	12.09600	Series	X031-ND	.40	.36	.32	.29	ECS-121-S-1
	12.28800	Series	X090-ND	.40	.36	.32	.29	ECS-122.8-S-1
	12.28800	20.0pF	X141-ND	.40	.36	.32	.29	ECS-122.8-20-1
	13.51680	Series	X032-ND	.40	.36	.32	.29	ECS-135-S-1
	14.31818	Series	X091-ND	.40	.36	.32	.29	ECS-143-S-1
	14.69000	Series	X033-ND	.40	.36	.32	.29	ECS-146-S-1
	14.74560	Series	X092-ND	.40	.36	.32	.29	ECS-147.4-S-1
	14.74560	20.0pF	X142-ND	.40	.36	.32	.29	ECS-147.4-20-1
	15.00000	Series	X059-ND	.40	.36	.32	.29	ECS-150-S-1
	16.00000	Series	X077-ND	.40	.36	.32	.29	ECS-160-S-1
	16.00000	20.0pF	X143-ND	.40	.36	.32	.29	ECS-160-20-1
	16.00031	18.0pF	X148-ND	.40	.36	.32	.29	ECS-160.003-18-1
2	18.00000	Series	X060-ND	.40	.36	.32	.29	ECS-180-S-1
	18.00000	20.0pF	X144-ND	.40	.36	.32	.29	ECS-180-20-1
	18.43200	Series	X061-ND	.40	.36	.32	.29	ECS-184-S-1
	18.43200	18.0pF	X145-ND	.40	.36	.32	.29	ECS-184-18-1
	18.43200	20.0pF	X146-ND	.40	.36	.32	.29	ECS-184-20-1
	19.66080	Series	X094-ND	.40	.36	.32	.29	ECS-196.6-S-1
	19.66080	20.0pF	X035-ND	.40	.36	.32	.29	ECS-196.6-20-1
	20.00000	Series	X062-ND	.40	.36	.32	.29	ECS-200-S-1
	20.00000	20.0pF	X036-ND	.40	.36	.32	.29	ECS-200-20-1
	22.11840	Series	X063-ND	.40	.36	.32	.29	ECS-221-S-1
	24.00000	Series	X095-ND	.40	.36	.32	.29	ECS-240-S-1
	24.00000	20.0pF	X037-ND	.40	.36	.32	.29	ECS-240-20-1
	24.00010	18.0pF	X149-ND	.40	.36	.32	.29	ECS-240.001-18-1
	35.25120	18.0pF	X151-ND†	.50	.45	.36	.32	ECS-352.5-18-1
	38.00053	18.0pF	X150-ND†	.50	.45	.36	.32	ECS-380.005-18-1
	40.32000	18.0pF	X152-ND†	.50	.45	.36	.32	ECS-403.2-18-1
	48.00000	Series	X065-ND†	.40	.36	.32	.29	ECS-480-S-1
	48.00000	20.0pF	XC943-ND†	.50	.45	.36	.32	ECS-480-20-1
	49.86000	20.0pF	X038-ND†	.40	.36	.32	.29	ECS-498.6-20-1
			HC-49U — RoHS Compliant					
	1.84320	Series	X969-ND	1.95	1.62	1.29	1.00	ECS-18-S-1X
	1.84320	13.0pF	X1000-ND	1.95	1.62	1.29	1.00	ECS-18-13-1X
	2.00000	Series	X970-ND	1.95	1.62	1.29	1.00	ECS-20-S-1X
	2.00000	20.0pF	X1001-ND	1.95	1.62	1.29	1.00	ECS-20-20-1X
	2.04800	12.0pF	X1025-ND	1.95	1.62	1.29	1.00	ECS-20.48-12-1X
	2.45760	32.0pF	X1002-ND	1.63	1.35	1.08	.83	ECS-24-32-1X
	2.50000	Series	X1003-ND	1.63	1.35	1.08	.83	ECS-25-S-1X
	3.00000	Series	X973-ND	1.63	1.35	1.08	.83	ECS-30-S-1X
2	3.27680	17.0pF	X980-ND	.65	.54	.43	.34	ECS-32-17-1X
	3.57955	Series	X974-ND	.40	.36	.32	.29	ECS-35-S-1X
	3.57955	17.0pF	X987-ND	.40	.36	.32	.29	ECS-35-17-1X
	3.68640	Series	X1010-ND	.40	.36	.32	.29	ECS-36-S-1X
	3.68640	18.0pF	X1004-ND	.40	.36	.32	.29	ECS-36-18-1X
	3.93216	17.0pF	X975-ND	.40	.36	.32	.29	ECS-39-17-1X
	4.00000	Series	X1011-ND	.40	.36	.32	.29	ECS-40-S-1X
	4.00000	20.0pF	X971-ND	.40	.36	.32	.29	ECS-40-20-1X
	4.03200	Series	X976-ND	.40	.36	.32	.29	ECS-40.3-S-1X

* 1.0 Frequency: 100ppm @ 25°C; ±100ppm from 0°C ~ 60°C † 3rd Overtone

(Continued)

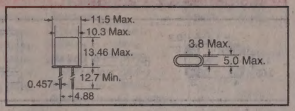
Fig.	Frequency (MHz)	Load Capacitance	Digi-Key Part No.	Price Each 1	10	100	500	ECS Part No.
			HC-49U — RoHS Compliant					
	4.03200	20.0pF	X1005-ND	.40	.36	.32	.29	ECS-40.3-20-1X
	4.09600	20.0pF	X1012-ND	.40	.36	.32	.29	ECS-41-20-1X
	4.19430	12.0pF	X972-ND	.40	.36	.32	.29	ECS-42-12-1X
	4.43362	20.0pF	X1013-ND	.40	.36	.32	.29	ECS-44-20-1X
	4.91520	Series	X988-ND	.40	.36	.32	.29	ECS-49-S-1X
	4.91520	20.0pF	X1014-ND	.40	.36	.32	.29	ECS-49-20-1X
	5.00000	Series	X1026-ND	.40	.36	.32	.29	ECS-50-S-1X
	5.00000	20.0pF	X989-ND	.40	.36	.32	.29	ECS-50-20-1X
	5.06880	Series	X990-ND	.40	.36	.32	.29	ECS-51-S-1X
	5.06880	20.0pF	X1015-ND	.40	.36	.32	.29	ECS-51-20-1X
	6.00000	Series	X982-ND	.40	.36	.32	.29	ECS-60-S-1X
	6.00000	32.0pF	X1016-ND	.40	.36	.32	.29	ECS-60-32-1X
	6.55360	12.0pF	X977-ND	.40	.36	.32	.29	ECS-65-12-1X
	7.37280	Series	X1006-ND	.40	.36	.32	.29	ECS-73-S-1X
	7.37280	20.0pF	X978-ND	.40	.36	.32	.29	ECS-73-20-1X
	8.00000	Series	X991-ND	.40	.36	.32	.29	ECS-80-S-1X
	8.00000	18.0pF	X1027-ND	.40	.36	.32	.29	ECS-80-18-1X
	8.00000	20.0pF	X979-ND	.40	.36	.32	.29	ECS-80-20-1X
	8.00000	32.0pF	X1028-ND	.40	.36	.32	.29	ECS-80-32-1X
	9.21600	Series	X1007-ND	.40	.36	.32	.29	ECS-92.1-S-1X
	9.21600	20.0pF	X1029-ND	.40	.36	.32	.29	ECS-92.1-20-1X
	9.83040	Series	X981-ND	.40	.36	.32	.29	ECS-98.3-S-1X
	9.83040	20.0pF	X1017-ND	.40	.36	.32	.29	ECS-98.3-20-1X
	10.00000	Series	X992-ND	.40	.36	.32	.29	ECS-100-S-1X
	11.00000	Series	X1018-ND	.40	.36	.32	.29	ECS-110-S-1X
2	11.05920	Series	X1009-ND	.40	.36	.32	.29	ECS-110.5-S-1X
	11.05920	20.0pF	X1019-ND	.40	.36	.32	.29	ECS-110.5-20-1X
	11.05920	32.0pF	X1030-ND	.40	.36	.32	.29	ECS-110.5-32-1X
	12.00000	Series	X993-ND	.40	.36	.32	.29	ECS-120-S-1X
	12.00000	32.0pF	X983-ND	.40	.36	.32	.29	ECS-120-32-1X
	12.28800	Series	X1020-ND	.40	.36	.32	.29	ECS-122.8-S-1X
	12.28800	20.0pF	X1031-ND	.40	.36	.32	.29	ECS-122.8-20-1X
	14.31818	Series	X1021-ND	.40	.36	.32	.29	ECS-143-S-1X
	14.74560	Series	X1022-ND	.40	.36	.32	.29	ECS-147.4-S-1X
	14.74560	20.0pF	X1032-ND	.40	.36	.32	.29	ECS-147.4-20-1X
	15.00000	Series	X994-ND	.40	.36	.32	.29	ECS-150-S-1X
	16.00000	Series	X1008-ND	.40	.36	.32	.29	ECS-160-S-1X
	16.00000	20.0pF	X1033-ND	.40	.36	.32	.29	ECS-160-20-1X
	18.00000	20.0pF	X1034-ND	.40	.36	.32	.29	ECS-180-20-1X
	18.43200	Series	X995-ND	.40	.36	.32	.29	ECS-184-S-1X
	18.43200	18.0pF	X1035-ND	.40	.36	.32	.29	ECS-184-18-1X
	18.43200	20.0pF	X1036-ND	.40	.36	.32	.29	ECS-184-20-1X
	19.66080	Series	X1023-ND	.40	.36	.32	.29	ECS-196.6-S-1X
	19.66080	20.0pF	X984-ND	.40	.36	.32	.29	ECS-196.6-20-1X
	20.00000	Series	X996-ND	.40	.36	.32	.29	ECS-200-S-1X
	20.00000	20.0pF	X985-ND	.40	.36	.32	.29	ECS-200-20-1X
	22.11840	Series	X997-ND	.40	.36	.32	.29	ECS-221-S-1X
	24.00000	Series	X1024-ND	.40	.36	.32	.29	ECS-240-S-1X
	24.00000	20.0pF	X986-ND	.40	.36	.32	.29	ECS-240-20-1X
	48.00000	Series	X998-ND†	.40	.36	.32	.29	ECS-480-S-1X
			HC-49US					
	3.57955	Series	X153-ND	.58	.52	.42	.37	ECS-35-S-4
	3.57955	17.0pF	X079-ND	.58	.52	.42	.37	ECS-35-17-4
	3.68640	Series	X403-ND	.58	.52	.42	.37	ECS-36-S-4
	3.68640	18.0pF	X402-ND	.58	.52	.42	.37	ECS-36-18-4
	4.00000	Series	X404-ND	.58	.52	.42	.37	ECS-40-S-4
	4.00000	20.0pF	X405-ND	.58	.52	.42	.37	ECS-40-20-4
	4.03200	Series	X155-ND	.58	.52	.42	.37	ECS-40.3-S-4
	4.03200	20.0pF	X154-ND	.58	.52	.42	.37	ECS-40.3-20-4
	4.09600	20.0pF	X156-ND	.58	.52	.42	.37	ECS-41-20-4
	4.19430	12.0pF	X406-ND	.58	.52	.42	.37	ECS-42-12-4
	4.19430	16.0pF	X157-ND	.58	.52	.42	.37	ECS-42-16-4
	4.43362	20.0pF	X407-ND	.58	.52	.42	.37	ECS-44-20-4
3	4.91520	Series	X408-ND	.58	.52	.42	.37	ECS-49-S-4
	4.91520	20.0pF	X409-ND	.58	.52	.42	.37	ECS-49-20-4
	5.00000	Series	X158-ND	.58	.52	.42	.37	ECS-50-S-4
	5.00000	20.0pF	X410-ND	.58	.52	.42	.37	ECS-50-20-4
	5.06880	Series	X159-ND	.58	.52	.42	.37	ECS-51-S-4
	5.06880	20.0pF	X411-ND	.58	.52	.42	.37	ECS-51-20-4
	5.18500	Series	X160-ND	.58	.52	.42	.37	ECS-52-S-4
	5.18500	32.0pF	X064-ND	.75	.63	.50	.39	ECS-52-32-4
	5.99040	Series	X161-ND	.58	.52	.42	.37	ECS-59-S-4
	5.99040	20.0pF	X162-ND	.58	.52	.42	.37	ECS-59.9-20-4
	6.00000	Series	X412-ND	.58	.52	.42	.37	ECS-60-S-4
	6.00000	32.0pF	X413-ND	.58	.52	.42	.37	ECS-60-32-4
	6.14400	32.0pF	X414-ND	.58	.52	.42	.37	ECS-61-32-4

Fig.	Frequency (MHz)	Load Capacitance	Digi-Key Part No.	Price Each 1	10	100	500	ECS Part No.
			HC-49US					
	6.50000	20.0pF	X415-ND	.58	.52	.42	.37	ECS-65-20-4
	7.37280	Series	X416-ND	.58	.52	.42	.37	ECS-73-S-4
	7.37280	20.0pF	X076-ND	.75	.63	.50	.39	ECS-73-20-4
	7.68000	20.0pF	X163-ND	.58	.52	.42	.37	ECS-76.8-20-4
	8.00000	Series	X417-ND	.58	.52	.42	.37	ECS-80-S-4
	8.00000	18.0pF	X164-ND	.58	.52	.42	.37	ECS-80-18-4
	8.00000	20.0pF	X165-ND	.58	.52	.42	.37	ECS-80-20-4
	8.00000	32.0pF	X166-ND	.58	.52	.42	.37	ECS-80-32-4
	8.50000	Series	X418-ND	.58	.52	.42	.37	ECS-85-S-4
	9.00000	Series	X419-ND	.58	.52	.42	.37	ECS-90-S-4
	9.21600	Series	X167-ND	.58	.52	.42	.37	ECS-92.1-S-4
	9.21600	20.0pF	X168-ND	.58	.52	.42	.37	ECS-92.1-20-4
	9.54500	Series	X420-ND	.58	.52	.42	.37	ECS-95.4-S-4
	9.83040	Series	X421-ND	.58	.52	.42	.37	ECS-98.3-S-4
	9.83040	20.0pF	X169-ND	.58	.52	.42	.37	ECS-98.3-20-4
	10.00000	Series	X422-ND	.58	.52	.42	.37	ECS-100-S-4
	10.00000	18.0pF	X443-ND	.58	.52	.42	.37	ECS-100-18-4
	10.73864	Series	X423-ND	.58	.52	.42	.37	ECS-107.3-S-4
	11.00000	Series	X424-ND	.58	.52	.42	.37	ECS-110-S-4
	11.05920	Series	X425-ND	.58	.52	.42	.37	ECS-110.5-S-4
	11.05920	20.0pF	X426-ND	.58	.52	.42	.37	ECS-110.5-20-4
	11.05920	32.0pF	X170-ND	.58	.52	.42	.37	ECS-110.5-32-4
	11.52000	Series	X171-ND	.58	.52	.42	.37	ECS-115.2-S-4
	11.98135	Series	X427-ND	.58	.52	.42	.37	ECS-119.8-S-4
	12.00000	Series	X428-ND	.58	.52	.42	.37	ECS-120-S-4
	12.00000	20.0pF	X227-ND	.58	.52	.42	.37	ECS-120-20-4
	12.00000	32.0pF	X172-ND	.58	.52	.42	.37	ECS-120-32-4
	12.00039	18.0pF	X173-ND	.58	.52	.42	.37	ECS-120.003-18-4
	12.09600	Series	X429-ND	.58	.52	.42	.37	ECS-121-S-4
	12.28800	Series	X174-ND	.58	.52	.42	.37	ECS-122.8-S-4
3	12.28800	20.0pF	X228-ND	.58	.52	.42	.37	ECS-122.8-20-4
	12.96000	18.0pF	X097-ND	.75	.63	.50	.39	ECS-129.6-18-4
	14.31818	Series	X430-ND	.58	.52	.42	.37	ECS-143-S-4
	14.31818	20.0pF	X444-ND	.58	.52	.42	.37	ECS-143-20-4
	14.74560	Series	X431-ND	.58	.52	.42	.37	ECS-147.4-S-4
	14.74560	20.0pF	X175-ND	.58	.52	.42	.37	ECS-147.4-20-4
	15.00000	Series	X432-ND	.58	.52	.42	.37	ECS-150-S-4
	15.36000	20.0pF	X096-ND	.75	.63	.50	.39	ECS-153-20-4
	16.00000	Series	X433-ND	.58	.52	.42	.37	ECS-160-S-4
	16.00000	20.0pF	X176-ND	.58	.52	.42	.37	ECS-160-20-4
	16.00031	18.0pF	X177-ND	.58	.52	.42	.37	ECS-160.003-18-4
	16.25700	Series	X434-ND	.58	.52	.42	.37	ECS-162.5-S-4
	16.25700	20.0pF	X039-ND	.75	.63	.50	.39	ECS-162.5-20-4
	18.00000	Series	X435-ND	.58	.52	.42	.37	ECS-180-S-4
	18.00000	20.0pF	X178-ND	.58	.52	.42	.37	ECS-180-20-4
	18.43200	Series	X436-ND	.58	.52	.42	.37	ECS-184-S-4
	18.43200	18.0pF	X179-ND	.58	.52	.42	.37	ECS-184-18-4
	18.43200	20.0pF	X180-ND	.58	.52	.42	.37	ECS-184-20-4
	19.66080	Series	X437-ND	.58	.52	.42	.37	ECS-196.6-S-4
	19.66080	20.0pF	X181-ND	.58	.52	.42	.37	ECS-196.6-20-4
	20.00000	Series	X438-ND	.58	.52	.42	.37	ECS-200-S-4
	20.00000	20.0pF	X439-ND	.58	.52	.42	.37	ECS-200-20-4
	20.48000	20.0pF	X229-ND	.58	.52	.42	.37	ECS-204.8-20-4
	21.47727	Series	X044-ND	.75	.63	.50	.39	ECS-214.7-S-4
	22.11840	Series	X182-ND	.58	.52	.42	.37	ECS-221-S-4
	24.00000	Series	X440-ND	.58	.52	.42	.37	ECS-240-S-4
	24.00000	16.0pF	X441-ND	.58	.52	.42	.37	ECS-240-16-4
	24.00000	20.0pF	X442-ND	.58	.52	.42	.37	ECS-240-20-4
	24.00014	18.0pF	X183-ND	.58	.52	.42	.37	ECS-240.001-18-4
	24.57600	20.0pF	X230-ND	.58	.52	.42	.37	ECS-245.7-20-4
	25.00000	18.0pF	X231-ND	.58	.52	.42	.37	ECS-250-18-4-F
	48.00000	20.0pF	XC942-ND	.58	.52	.42	.37	ECS-480-20-4
			HC-49US — RoHS Compliant					
	3.57955	Series	X1086-ND	.58	.52	.42	.37	ECS-35-S-4X
	3.57955	17.0pF	X1085-ND	.58	.52	.42	.37	ECS-35-17-4X
	3.68640	Series	X1043-ND	.58	.52	.42	.37	ECS-36-S-4X
	3.68640	18.0pF	X1042-ND	.58	.52	.42	.37	ECS-36-18-4X
	4.00000	Series	X1044-ND	.58	.52	.42	.37	ECS-40-S-4X
3	4.00000	20.0pF	X1045-ND	.58	.52	.42	.37	ECS-40-20-4X
	4.03200	Series	X1088-ND	.58	.52	.42	.37	ECS-40.3-S-4X
	4.03200	20.0pF	X1087-ND	.58	.52	.42	.37	ECS-40.3-20-4X
	4.09600	20.0pF	X1089-ND	.58	.52	.42	.37	ECS-41-20-4X
	4.19430	12.0pF	X1046-ND	.58	.52	.42	.37	ECS-42-12-4X
	4.19430	16.0pF	X1090-ND	.58	.52	.42	.37	ECS-42-16-4X
	4.43362	20.0pF	X1047-ND	.58	.52	.42	.37	ECS-44-20-4X
	4.91520	Series	X1048-ND	.58	.52	.42	.37	ECS-49-S-4X

* 1.0 Frequency: 100ppm @ 25°C; ±100ppm from 0°C ~ 60°C † 3rd Overtone

AB Series HC49U Crystals

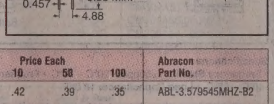
Specifications:
Frequency Stability: ±100ppm, -20°C ~ 70°C
Frequency Tolerance: ±20ppm
Operating Temperature: -20°C ~70°C
Load Capacitance: 18.0pF



Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	50	100	Abracon Part No.
2.000000	535-9016-ND	1.40	1.20	1.10	1.00	AB-2.000MHZ-B2
3.579545	535-9019-ND	.42	.36	.33	.30	AB-3.579545MHZ-B2
3.686400	535-9020-ND	.42	.36	.33	.30	AB-3.6864MHZ-B2
4.915200	535-9023-ND	.42	.36	.33	.30	AB-4.9152MHZ-B2
5.000000	535-9025-ND	.42	.36	.33	.30	AB-5.000MHZ-B2
6.000000	535-9026-ND	.42	.36	.33	.30	AB-6.000MHZ-B2
7.372800	535-9027-ND	.42	.36	.33	.30	AB-7.3728MHZ-B2
8.000000	535-9028-ND	.42	.36	.33	.30	AB-8.000MHZ-B2
8.192000	535-9029-ND	.42	.36	.33	.30	AB-8.192MHZ-B2
9.830400	535-9030-ND	.42	.36	.33	.30	AB-9.8304MHZ-B2
10.000000	535-9000-ND	.42	.36	.33	.30	AB-10.000MHZ-B2
11.059200	535-9001-ND	.42	.36	.33	.30	AB-11.0592MHZ-B2
12.000000	535-9002-ND	.42	.36	.33	.30	AB-12.000MHZ-B2
12.288000	535-9003-ND	.42	.36	.33	.30	AB-12.288MHZ-B2
14.318180	535-9004-ND	.42	.36	.33	.30	AB-14.31818MHZ-B2
14.745600	535-9005-ND	.42	.36	.33	.30	AB-14.7456MHZ-B2
16.000000	535-9006-ND	.42	.36	.33	.30	AB-16.000MHZ-B2
18.432000	535-9007-ND	.42	.36	.33	.30	AB-18.432MHZ-B2
19.660800	535-9008-ND	.42	.36	.33	.30	AB-19.6608MHZ-B2
20.000000	535-9010-ND	.42	.36	.33	.30	AB-20.000MHZ-B2
22.118400	535-9011-ND	.42	.36	.33	.30	AB-22.1184MHZ-B2
24.000000	535-9012-ND	.42	.36	.33	.30	AB-24.000MHZ-B2
24.576000	535-9013-ND	.42	.36	.33	.30	AB-24.576MHZ-B2F
27.000000	535-9015-ND	.42	.36	.33	.30	AB-27.000MHZ-B2F
32.000000	535-9017-ND	.42	.36	.33	.30	AB-32.000MHZ-B2
32.768000	535-9018-ND	.42	.36	.33	.30	AB-32.768MHZ-B2
48.000000	535-9021-ND	.88	.75	.69	.63	AB-48.000MHZ-B2
50.000000	535-9024-ND	.88	.75	.69	.63	AB-50.000MHZ-B2

ABL Series HC49US Crystals

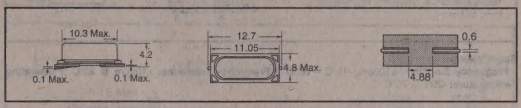
Specifications:
Frequency Stability: ±50ppm, -20°C ~ 70°C
Frequency Tolerance: ±20ppm
Operating Temperature: -20°C ~ 70°C
Load Capacitance: 18.0pF



Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	50	100	Abracon Part No.
3.579545	535-9053-ND	.49	.42	.39	.35	ABL-3.579545MHZ-B2
3.686400	535-9054-ND	.49	.42	.39	.35	ABL-3.6864MHZ-B2
4.000000	535-9057-ND	.49	.42	.39	.35	ABL-4.000MHZ-B2
4.096000	535-9058-ND	.49	.42	.39	.35	ABL-4.096MHZ-B2
4.915200	535-9059-ND	.49	.42	.39	.35	ABL-4.9152MHZ-B2
6.000000	535-9060-ND	.49	.42	.39	.35	ABL-6.000MHZ-B2
7.372800	535-9061-ND	.49	.42	.39	.35	ABL-7.3728MHZ-B2
8.000000	535-9062-ND	.49	.42	.39	.35	ABL-8.000MHZ-B2
8.192000	535-9063-ND	.49	.42	.39	.35	ABL-8.192MHZ-B2
9.830400	535-9064-ND	.49	.42	.39	.35	ABL-9.8304MHZ-B2
10.000000	535-9035-ND	.49	.42	.39	.35	ABL-10.000MHZ-B2
11.059200	535-9036-ND	.49	.42	.39	.35	ABL-11.0592MHZ-B2
12.000000	535-9037-ND	.49	.42	.39	.35	ABL-12.000MHZ-B2
12.288000	535-9038-ND	.49	.42	.39	.35	ABL-12.288MHZ-B2
14.318180	535-9039-ND	.49	.42	.39	.35	ABL-14.31818MHZ-B2
14.745600	535-9040-ND	.49	.42	.39	.35	ABL-14.7456MHZ-B2
16.000000	535-9041-ND	.49	.42	.39	.35	ABL-16.000MHZ-B2
16.128000	535-9042-ND	.49	.42	.39	.35	ABL-16.128MHZ-B2
16.384000	535-9043-ND	.49	.42	.39	.35	ABL-16.384MHZ-B2
18.432000	535-9044-ND	.49	.42	.39	.35	ABL-18.432MHZ-B2
19.660800	535-9045-ND	.49	.42	.39	.35	ABL-19.6608MHZ-B2
20.000000	535-9046-ND	.49	.42	.39	.35	ABL-20.000MHZ-B2
22.118400	535-9047-ND	.49	.42	.39	.35	ABL-22.1184MHZ-B2
24.000000	535-9048-ND	.49	.42	.39	.35	ABL-24.000MHZ-B2
24.576000	535-9049-ND	.49	.42	.39	.35	ABL-24.576MHZ-B2F
25.000000	535-9050-ND	.49	.42	.39	.35	ABL-25.000MHZ-B2F
27.000000	535-9051-ND	.49	.42	.39	.35	ABL-27.000MHZ-B2F
32.000000	535-9052-ND	.49	.42	.39	.35	ABL-32.000MHZ-B2
40.000000	535-9055-ND	.88	.75	.69	.63	ABL-40.000MHZ-B2
48.000000	535-9056-ND	1.75	1.50	1.38	1.25	ABL-48.000MHZ-B2

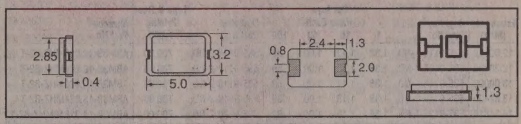
ABLS Series HC49US SMD Crystals

Specifications:
- **Frequency Stability:** ±50ppm, -20°C ~ 70°C
- **Frequency Tolerance:** ±20ppm
- **Operating Temperature:** -40°C ~ 85°C
- **Load Capacitance:** 18.0pF



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
3.579545	535-9081-1-ND	.56	.49	.43	.30	535-9081-2-ND	263.00	ABLS-3.579545MHZ-B2-T
3.686400	535-9082-1-ND	.56	.49	.43	.30	535-9082-2-ND	263.00	ABLS-3.6864MHZ-B2-T
4.000000	535-9085-1-ND	.56	.49	.43	.30	535-9085-2-ND	263.00	ABLS-4.000MHZ-B2-T
4.915200	535-9086-1-ND	.56	.49	.43	.30	535-9086-2-ND	263.00	ABLS-4.9152MHZ-B2-T
5.000000	535-9087-1-ND	.56	.49	.43	.30	535-9087-2-ND	263.00	ABLS-5.000MHZ-B2-T
7.372800	535-9088-1-ND	.56	.49	.43	.30	535-9088-2-ND	263.00	ABLS-7.3728MHZ-B2-T
8.000000	535-9089-1-ND	.56	.49	.43	.30	535-9089-2-ND	263.00	ABLS-8.000MHZ-B2-T
8.192000	535-9090-1-ND	.56	.49	.43	.30	535-9090-2-ND	263.00	ABLS-8.192MHZ-B2-T
10.000000	535-9065-1-ND	.56	.49	.43	.30	535-9065-2-ND	263.00	ABLS-10.000MHZ-B2-T
11.059200	535-9066-1-ND	.56	.49	.43	.30	535-9066-2-ND	263.00	ABLS-11.0592MHZ-B2-T
12.000000	535-9067-1-ND	.56	.49	.43	.30	535-9067-2-ND	263.00	ABLS-12.000MHZ-B2-T
12.288000	535-9068-1-ND	.56	.49	.43	.30	535-9068-2-ND	263.00	ABLS-12.288MHZ-B2-T
14.318180	535-9069-1-ND	.56	.49	.43	.30	535-9069-2-ND	263.00	ABLS-14.31818MHZ-B2-T
14.745600	535-9070-1-ND	.56	.49	.43	.30	535-9070-2-ND	263.00	ABLS-14.7456MHZ-B2-T
16.000000	535-9071-1-ND	.56	.49	.43	.30	535-9071-2-ND	263.00	ABLS-16.000MHZ-B2-T
18.432000	535-9072-1-ND	.56	.49	.43	.30	535-9072-2-ND	263.00	ABLS-18.432MHZ-B2-T
19.660800	535-9073-1-ND	.56	.49	.43	.30	535-9073-2-ND	263.00	ABLS-19.6608MHZ-B2-T
20.000000	535-9074-1-ND	.56	.49	.43	.30	535-9074-2-ND	263.00	ABLS-20.000MHZ-B2-T
22.118400	535-9075-1-ND	.56	.49	.43	.30	535-9075-2-ND	263.00	ABLS-22.1184MHZ-B2-T
24.000000	535-9076-1-ND	.56	.49	.43	.30	535-9076-2-ND	263.00	ABLS-24.000MHZ-B2-T
24.576000	535-9077-1-ND	.56	.49	.43	.30	535-9077-2-ND	263.00	ABLS-24.576MHZ-B2F-T
25.000000	535-9078-1-ND	.56	.49	.43	.30	535-9078-2-ND	263.00	ABLS-25.000MHZ-B2F-T
27.000000	535-9079-1-ND	.56	.49	.43	.30	535-9079-2-ND	263.00	ABLS-27.000MHZ-B2F-T
32.000000	535-9080-1-ND	.56	.49	.43	.30	535-9080-2-ND	263.00	ABLS-32.000MHZ-B2-T
48.000000	535-9083-1-ND	.56	.49	.43	.30	535-9083-2-ND	263.00	ABLS-48.000MHZ-B2-T
49.152000	535-9084-1-ND	.56	.49	.43	.30	535-9084-2-ND	263.00	ABLS-49.152MHZ-B2-T

ABM3 Series 5.0 x 3.2 SMD Crystals

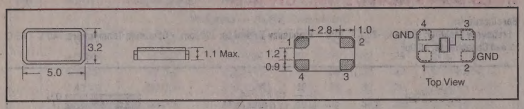


Specifications:
- **Frequency Stability:** ±100ppm, -20°C ~ 70°C
- **Frequency Tolerance:** ±20ppm
- **Operating Temperature:** -40°C ~ 85°C
- **Load Capacitance:** 18.0pF

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	T & R Pricing 1,000	Abracon Part No.
12.00000	535-9100-1-ND	1.38	1.13	1.00	.89	535-9100-2-ND	700.00	ABM3-12.000MHZ-B2-T
13.56000	535-9101-1-ND	1.38	1.13	1.00	.89	535-9101-2-ND	700.00	ABM3-13.560MHZ-B2-T
14.31818	535-9102-1-ND	1.38	1.13	1.00	.89	535-9102-2-ND	700.00	ABM3-14.31818MHZ-B2-T
16.00000	535-9103-1-ND	1.38	1.13	1.00	.89	535-9103-2-ND	700.00	ABM3-16.000MHZ-B2-T
18.43200	535-9104-1-ND	1.38	1.13	1.00	.89	535-9104-2-ND	700.00	ABM3-18.432MHZ-B2-T
20.00000	535-9105-1-ND	1.38	1.13	1.00	.89	535-9105-2-ND	700.00	ABM3-20.000MHZ-B2-T
24.00000	535-9106-1-ND	1.38	1.13	1.00	.89	535-9106-2-ND	700.00	ABM3-24.000MHZ-B2-T
24.57600	535-9107-1-ND	1.38	1.13	1.00	.89	535-9107-2-ND	700.00	ABM3-24.576MHZ-B2-T
25.00000	535-9108-1-ND	1.38	1.13	1.00	.89	535-9108-2-ND	700.00	ABM3-25.000MHZ-B2-T
27.00000	535-9109-1-ND	1.38	1.13	1.00	.89	535-9109-2-ND	700.00	ABM3-27.000MHZ-B2-T
28.63630	535-9110-1-ND	1.38	1.13	1.00	.89	535-9110-2-ND	700.00	ABM3-28.6363MHZ-B2-T
29.49120	535-9111-1-ND	1.38	1.13	1.00	.89	535-9111-2-ND	700.00	ABM3-29.4912MHZ-B2-T
30.00000	535-9112-1-ND	1.38	1.13	1.00	.89	535-9112-2-ND	700.00	ABM3-30.000MHZ-B2-T
33.00000	535-9113-1-ND	1.38	1.13	1.00	.89	535-9113-2-ND	700.00	ABM3-33.000MHZ-B2-T
40.00000	535-9114-1-ND	1.38	1.13	1.00	.89	535-9114-2-ND	700.00	ABM3-40.000MHZ-B2-T
48.00000	535-9115-1-ND	1.38	1.13	1.00	.89	535-9115-2-ND	700.00	ABM3-48.000MHZ-B2-T

(Continued)

ABM3B Series 5.0 x 3.2 SMD Crystals



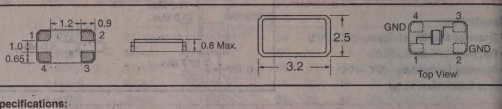
Specifications:
• **Frequency Stability:** ±10ppm, -10°C ~ 60°C • **Frequency Tolerance:** ±10ppm @ 25°C • **Operating Temperature:** -20°C ~ 70°C

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
10.00000	300-8195-1-ND	1.93	1.58	1.40	1.24	300-8195-2-ND	980.00	ABM3B-10.000MHZ-10-1-U-T
11.05920	300-8196-1-ND	1.93	1.58	1.40	1.24	300-8196-2-ND	980.00	ABM3B-11.0592MHZ-10-1-U-T
12.00000	300-8197-1-ND	1.93	1.58	1.40	1.24	300-8197-2-ND	980.00	ABM3B-12.000MHZ-10-1-U-T
12.28800	300-8198-1-ND	1.93	1.58	1.40	1.24	300-8198-2-ND	980.00	ABM3B-12.288MHZ-10-1-U-T
12.80000	300-8199-1-ND	1.93	1.58	1.40	1.24	300-8199-2-ND	980.00	ABM3B-12.800MHZ-10-1-U-T
13.00000	300-8200-1-ND	1.93	1.58	1.40	1.24	300-8200-2-ND	980.00	ABM3B-13.000MHZ-10-1-U-T
13.50000	300-8201-1-ND	1.93	1.58	1.40	1.24	300-8201-2-ND	980.00	ABM3B-13.500MHZ-10-1-U-T
13.56000	300-8202-1-ND	1.93	1.58	1.40	1.24	300-8202-2-ND	980.00	ABM3B-13.560MHZ-10-1-U-T
14.40000	300-8203-1-ND	1.93	1.58	1.40	1.24	300-8203-2-ND	980.00	ABM3B-14.400MHZ-10-1-U-T
14.74560	300-8204-1-ND	1.93	1.58	1.40	1.24	300-8204-2-ND	980.00	ABM3B-14.7456MHZ-10-1-U-T
15.36000	300-8205-1-ND	1.93	1.58	1.40	1.24	300-8205-2-ND	980.00	ABM3B-15.360MHZ-10-1-U-T
16.00000	300-8206-1-ND	1.93	1.58	1.40	1.24	300-8206-2-ND	980.00	ABM3B-16.000MHZ-10-1-U-T
16.38400	300-8207-1-ND	1.93	1.58	1.40	1.24	300-8207-2-ND	980.00	ABM3B-16.384MHZ-10-1-U-T
16.80000	300-8208-1-ND	1.93	1.58	1.40	1.24	300-8208-2-ND	980.00	ABM3B-16.800MHZ-10-1-U-T
18.43200	300-8209-1-ND	1.93	1.58	1.40	1.24	300-8209-2-ND	980.00	ABM3B-18.432MHZ-10-1-U-T
19.20000	300-8210-1-ND	1.93	1.58	1.40	1.24	300-8210-2-ND	980.00	ABM3B-19.200MHZ-10-1-U-T
19.44000	300-8211-1-ND	1.93	1.58	1.40	1.24	300-8211-2-ND	980.00	ABM3B-19.440MHZ-10-1-U-T
19.68000	300-8212-1-ND	1.93	1.58	1.40	1.24	300-8212-2-ND	980.00	ABM3B-19.680MHZ-10-1-U-T
19.80000	300-8213-1-ND	1.93	1.58	1.40	1.24	300-8213-2-ND	980.00	ABM3B-19.800MHZ-10-1-U-T
20.00000	300-8214-1-ND	1.93	1.58	1.40	1.24	300-8214-2-ND	980.00	ABM3B-20.000MHZ-10-1-U-T
22.00000	300-8215-1-ND	1.93	1.58	1.40	1.24	300-8215-2-ND	980.00	ABM3B-22.000MHZ-10-1-U-T
24.00000	300-8216-1-ND	1.93	1.58	1.40	1.24	300-8216-2-ND	980.00	ABM3B-24.000MHZ-10-1-U-T
24.57600	300-8217-1-ND	1.93	1.58	1.40	1.24	300-8217-2-ND	980.00	ABM3B-24.576MHZ-10-1-U-T
25.00000	300-8218-1-ND	1.93	1.58	1.40	1.24	300-8218-2-ND	980.00	ABM3B-25.000MHZ-10-1-U-T
26.00000	300-8219-1-ND	1.93	1.58	1.40	1.24	300-8219-2-ND	980.00	ABM3B-26.000MHZ-10-1-U-T
28.63636	300-8220-1-ND	1.93	1.58	1.40	1.24	300-8220-2-ND	980.00	ABM3B-28.63636MHZ-10-1-U-T
29.49120	300-8221-1-ND	1.93	1.58	1.40	1.24	300-8221-2-ND	980.00	ABM3B-29.4912MHZ-10-1-U-T
30.00000	300-8222-1-ND	1.93	1.58	1.40	1.24	300-8222-2-ND	980.00	ABM3B-30.000MHZ-10-1-U-T
40.00000	300-8223-1-ND	1.93	1.58	1.40	1.24	300-8223-2-ND	980.00	ABM3B-40.000MHZ-10-1-U-T
44.00000	300-8224-1-ND	1.93	1.58	1.40	1.24	300-8224-2-ND	980.00	ABM3B-44.000MHZ-10-1-U-T
48.00000	300-8225-1-ND	1.93	1.58	1.40	1.24	300-8225-2-ND	980.00	ABM3B-48.000MHZ-10-1-U-T

Specifications:
• **Frequency Stability:** ±50ppm, -20°C ~ 70°C • **Frequency Tolerance:** ±20ppm @ 25°C • **Operating Temperature:** -20°C ~ 70°C

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
12.00000	535-9116-1-ND	1.38	1.13	1.00	.89	535-9116-2-ND	700.00	ABM3B-12.000MHZ-B2-T
12.28800	535-9117-1-ND	1.38	1.13	1.00	.89	535-9117-2-ND	700.00	ABM3B-12.288MHZ-B2-T
13.00000	535-9118-1-ND	1.38	1.13	1.00	.89	535-9118-2-ND	700.00	ABM3B-13.000MHZ-B2-T
13.82400	535-9119-1-ND	1.38	1.13	1.00	.89	535-9119-2-ND	700.00	ABM3B-13.824MHZ-B2-T
14.31818	535-9120-1-ND	1.38	1.13	1.00	.89	535-9120-2-ND	700.00	ABM3B-14.31818MHZ-B2-T
15.36000	535-9121-1-ND	1.38	1.13	1.00	.89	535-9121-2-ND	700.00	ABM3B-15.360MHZ-B2-T
16.00000	535-9122-1-ND	1.38	1.13	1.00	.89	535-9122-2-ND	700.00	ABM3B-16.000MHZ-B2-T
16.38400	535-9123-1-ND	1.38	1.13	1.00	.89	535-9123-2-ND	700.00	ABM3B-16.384MHZ-B2-T
18.43200	535-9124-1-ND	1.38	1.13	1.00	.89	535-9124-2-ND	700.00	ABM3B-18.432MHZ-B2-T
20.00000	535-9125-1-ND	1.38	1.13	1.00	.89	535-9125-2-ND	700.00	ABM3B-20.000MHZ-B2-T
24.00000	535-9126-1-ND	1.38	1.13	1.00	.89	535-9126-2-ND	700.00	ABM3B-24.000MHZ-B2-T
24.57600	535-9127-1-ND	1.38	1.13	1.00	.89	535-9127-2-ND	700.00	ABM3B-24.576MHZ-B2-T
25.00000	535-9128-1-ND	1.38	1.13	1.00	.89	535-9128-2-ND	700.00	ABM3B-25.000MHZ-B2-T
27.00000	535-9129-1-ND	1.38	1.13	1.00	.89	535-9129-2-ND	700.00	ABM3B-27.000MHZ-B2-T
30.00000	535-9130-1-ND	1.38	1.13	1.00	.89	535-9130-2-ND	700.00	ABM3B-30.000MHZ-B2-T
32.00000	535-9131-1-ND	1.38	1.13	1.00	.89	535-9131-2-ND	700.00	ABM3B-32.000MHZ-B2-T
40.00000	535-9132-1-ND	1.38	1.13	1.00	.89	535-9132-2-ND	700.00	ABM3B-40.000MHZ-B2-T
48.00000	535-9133-1-ND	1.38	1.13	1.00	.89	535-9133-2-ND	700.00	ABM3B-48.000MHZ-B2-T

ABM8 Series 3.2 x 2.5 SMD Crystals



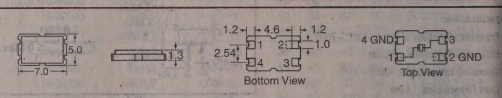
Specifications:
• **Frequency Stability:** ±50ppm, -20°C ~ 70°C • **Frequency Tolerance:** ±20ppm @ 25°C • **Operating Temperature:** -20°C ~ 70°C

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
16.000000	535-9134-1-ND	2.34	1.92	1.70	1.50	535-9134-2-ND	1190.00	ABM8-16.000MHZ-B2-T
18.432000	535-9135-1-ND	2.34	1.92	1.70	1.50	535-9135-2-ND	1190.00	ABM8-18.432MHZ-B2-T
20.000000	535-9136-1-ND	2.34	1.92	1.70	1.50	535-9136-2-ND	1190.00	ABM8-20.000MHZ-B2-T
22.118400	535-9137-1-ND	2.34	1.92	1.70	1.50	535-9137-2-ND	1190.00	ABM8-22.1184MHZ-B2-T
24.000000	535-9138-1-ND	2.34	1.92	1.70	1.50	535-9138-2-ND	1190.00	ABM8-24.000MHZ-B2-T
24.576000	535-9139-1-ND	2.34	1.92	1.70	1.50	535-9139-2-ND	1190.00	ABM8-24.576MHZ-B2-T
25.000000	535-9140-1-ND	2.34	1.92	1.70	1.50	535-9140-2-ND	1190.00	ABM8-25.000MHZ-B2-T
27.000000	535-9141-1-ND	2.34	1.92	1.70	1.50	535-9141-2-ND	1190.00	ABM8-27.000MHZ-B2-T
28.375000	535-9142-1-ND	2.34	1.92	1.70	1.50	535-9142-2-ND	1190.00	ABM8-28.375MHZ-B2-T
28.636360	535-9143-1-ND	2.34	1.92	1.70	1.50	535-9143-2-ND	1190.00	ABM8-28.63636MHZ-B2-T
29.491200	535-9144-1-ND	2.34	1.92	1.70	1.50	535-9144-2-ND	1190.00	ABM8-29.4912MHZ-B2-T
30.000000	535-9145-1-ND	2.34	1.92	1.70	1.50	535-9145-2-ND	1190.00	ABM8-30.000MHZ-B2-T
33.000000	535-9146-1-ND	2.34	1.92	1.70	1.50	535-9146-2-ND	1190.00	ABM8-33.000MHZ-B2-T
40.000000	535-9147-1-ND	2.34	1.92	1.70	1.50	535-9147-2-ND	1190.00	ABM8-40.000MHZ-B2-T
44.000000	535-9148-1-ND	2.34	1.92	1.70	1.50	535-9148-2-ND	1190.00	ABM8-44.000MHZ-B2-T
48.000000	535-9149-1-ND	2.34	1.92	1.70	1.50	535-9149-2-ND	1190.00	ABM8-48.000MHZ-B2-T

Specifications:
• **Frequency Tolerance:** ±10ppm @ 25°C • **Frequency Stability:** ±10ppm, -10°C ~ 60°C • **Operating Temperature:** -20°C ~ 70°C

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
16.367600	300-8226-1-ND	3.30	2.70	2.40	2.12	300-8226-2-ND	1680.00	ABM8-16.3676MHZ-10-1-U-T
16.800000	300-8227-1-ND	3.30	2.70	2.40	2.12	300-8227-2-ND	1680.00	ABM8-16.800MHZ-10-1-U-T
19.200000	300-8228-1-ND	3.30	2.70	2.40	2.12	300-8228-2-ND	1680.00	ABM8-19.200MHZ-10-1-U-T
24.553500	300-8229-1-ND	3.30	2.70	2.40	2.12	300-8229-2-ND	1680.00	ABM8-24.5535MHZ-10-1-U-T
26.000000	300-8230-1-ND	3.30	2.70	2.40	2.12	300-8230-2-ND	1680.00	ABM8-26.000MHZ-10-1-U-T

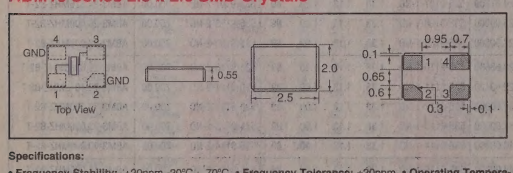
ABMM Series 5.0 x 7.0 SMD Crystals



Specifications:
• **Frequency Stability:** ±50ppm, -20°C ~ 70°C • **Frequency Tolerance:** ±20ppm • **Operating Temperature** -40°C ~ 85°C • **Load Capacitance:** 18.0pF

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
8.00000	535-9164-1-ND	1.03	.85	.75	.67	535-9164-2-ND	525.00	ABMM-8.000MHZ-B2-T
10.00000	535-9150-1-ND	1.03	.85	.75	.67	535-9150-2-ND	525.00	ABMM-10.000MHZ-B2-T
11.05920	535-9151-1-ND	1.03	.85	.75	.67	535-9151-2-ND	525.00	ABMM-11.0592MHZ-B2-T
12.00000	535-9152-1-ND	1.03	.85	.75	.67	535-9152-2-ND	525.00	ABMM-12.000MHZ-B2-T
14.31818	535-9153-1-ND	1.03	.85	.75	.67	535-9153-2-ND	525.00	ABMM-14.31818MHZ-B2-T
14.74560	535-9154-1-ND	1.03	.85	.75	.67	535-9154-2-ND	525.00	ABMM-14.7456MHZ-B2-T
16.00000	535-9155-1-ND	1.03	.85	.75	.67	535-9155-2-ND	525.00	ABMM-16.000MHZ-B2-T
16.93440	535-9156-1-ND	1.03	.85	.75	.67	535-9156-2-ND	525.00	ABMM-16.9344MHZ-B2-T
19.66080	535-9157-1-ND	1.03	.85	.75	.67	535-9157-2-ND	525.00	ABMM-19.6608MHZ-B2-T
20.00000	535-9158-1-ND	1.03	.85	.75	.67	535-9158-2-ND	525.00	ABMM-20.000MHZ-B2-T
24.00000	535-9159-1-ND	1.03	.85	.75	.67	535-9159-2-ND	525.00	ABMM-24.000MHZ-B2-T
24.57600	535-9160-1-ND	1.03	.85	.75	.67	535-9160-2-ND	525.00	ABMM-24.576MHZ-B2-T
25.00000	535-9161-1-ND	1.03	.85	.75	.67	535-9161-2-ND	525.00	ABMM-25.000MHZ-B2-T
27.00000	535-9162-1-ND	1.03	.85	.75	.67	535-9162-2-ND	525.00	ABMM-27.000MHZ-B2-T
32.00000	535-9163-1-ND	1.03	.85	.75	.67	535-9163-2-ND	525.00	ABMM-32.000MHZ-2BF-T

ABM10 Series 2.5 x 2.0 SMD Crystals



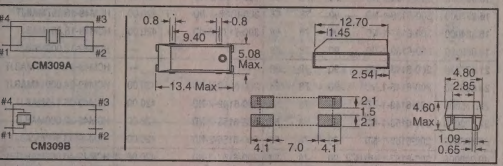
Specifications:
• **Frequency Stability:** ±20ppm -20°C ~ 70°C • **Frequency Tolerance:** ±20ppm • **Operating Temperature:** -40°C ~ 85°C • **Operating Mode:** Fundamental • **Load Capacitance:** 10.0pF

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.
20.0000	535-9091-1-ND	6.88	5.63	5.00	4.41	535-9091-2-ND	3500.00	ABM10-20.000MHZ-E20-T
22.1184	535-9092-1-ND	6.88	5.63	5.00	4.41	535-9092-2-ND	3500.00	ABM10-22.1184MHZ-E20-T
24.0000	535-9093-1-ND	6.88	5.63	5.00	4.41	535-9093-2-ND	3500.00	ABM10-24.000MHZ-E20-T
24.5760	535-9094-1-ND	6.88	5.63	5.00	4.41	535-9094-2-ND	3500.00	ABM10-24.576MHZ-E20-T
25.0000	535-9095-1-ND	6.88	5.63	5.00	4.41	535-9095-2-ND	3500.00	ABM10-25.000MHZ-E20-T
27.0000	535-9096-1-ND	6.88	5.63	5.00	4.41	535-9096-2-ND	3500.00	ABM10-27.000MHZ-E20-T
30.0000	535-9097-1-ND	6.88	5.63	5.00	4.41	535-9097-2-ND	3500.00	ABM10-30.000MHZ-E20-T
40.0000	535-9098-1-ND	6.88	5.63	5.00	4.41	535-9098-2-ND	3500.00	ABM10-40.000MHZ-E20-T
48.0000	535-9099-1-ND	6.88	5.63	5.00	4.41	535-9099-2-ND	3500.00	ABM10-48.000MHZ-E20-T

CITIZEN™ CM309 Series Crystals

ecifications:
requency Tolerance: ±30ppm • **Frequency/Temperature:** ±50ppm, -10°C ~ 60°C • **Operating Temperature:** -40°C ~ 85°C • **Storage Temperature:** 5°C ~ 125°C • **Load Capacitance:** 18.0pF • **Shunt apacitance:** 7pF • **Drive Level:** 50µW ~ 100µW nsulation Resistance: 500MΩ Min. • **Aging (First ar):** ±5ppm Max.

Equivalent Series Resistance (ESR, R1)		
Frequency	ESR	Mode
3.5MHz ≤ fo < 4MHz	200	Fundamental
4MHz ≤ fo < 6MHz	150	
6MHz ≤ fo < 10MHz	100	
10MHz ≤ fo ≤ 32MHz	50	
30MHz < fo < 36MHz	100	3rd OT
36MHz ≤ fo ≤ 66.6666MHz	80	



CM309A

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Tape & Reel Pricing* 1,000	Citizen Part No.
4.800000	300-4005-1-ND	1.51	1.30	.98	—	CM309A4.800MABJT
5.120000	300-4007-1-ND	1.51	1.30	.98	756.00	CM309A5.120MABJT
7.680000	300-4012-1-ND	1.51	1.30	.98	756.00	CM309A7.680MABJT
8.000156	300-4014-1-ND	1.51	1.30	.98	756.00	CM309A8.000156MABJT
8.192000	300-4015-1-ND	1.51	1.30	.98	756.00	CM309A8.192MABJT
9.216000	300-4016-1-ND	1.51	1.30	.98	756.00	CM309A9.216MABJT
9.830400	300-4018-1-ND	1.51	1.30	.98	756.00	CM309A9.8304MABJT
0.240000	300-4020-1-ND	1.51	1.30	.98	—	CM309A10.240MABJT
2.352000	300-4026-1-ND	1.51	1.30	.98	756.00	CM309A12.352MABJT
2.500000	300-4027-1-ND	1.51	1.30	.98	756.00	CM309A12.500MABJT
5.000000	300-4031-1-ND	1.51	1.30	.98	756.00	CM309A15.000MABJT
5.360000	300-4032-1-ND	1.51	1.30	.98	756.00	CM309A15.360MABJT
6.000312	300-4034-1-ND	1.51	1.30	.98	—	CM309A16.000312MABJT
6.257000	300-4035-1-ND	1.51	1.30	.98	756.00	CM309A16.257MABJT
8.000000	300-4040-1-ND	1.51	1.30	.98	—	CM309A18.000MABJT
0.480000	300-4045-1-ND	1.51	1.30	.98	—	CM309A20.480MABJT
5.175000	300-4050-1-ND	1.51	1.30	.98	—	CM309A25.175MABJT
8.000000	300-4052-1-ND	1.51	1.30	.98	756.00	CM309A28.000MABJT
8.322000	300-4053-1-ND	1.51	1.30	.98	756.00	CM309A28.322MABJT
8.636360	300-4054-1-ND	1.51	1.30	.98	756.00	CM309A28.63636MABJT
2.000000	300-4057-1-ND	1.51	1.30	.98	756.00	CM309A32.000MABJT
2.768000	300-4058-1-ND	1.51	1.30	.98	756.00	CM309A32.768MABJT
3.000000	300-4059-1-ND	1.51	1.30	.98	—	CM309A33.000MABJT
3.333300	300-4060-1-ND	1.51	1.30	.98	756.00	CM309A33.3333MABJT
3.868800	300-4061-1-ND	1.51	1.30	.98	756.00	CM309A33.8688MABJT
0.000000	300-4063-1-ND	1.51	1.30	.98	756.00	CM309A40.000MABJT
9.152000	300-4065-1-ND	1.51	1.30	.98	756.00	CM309A49.152MABJT
0.000000	300-4066-1-ND	1.51	1.30	.98	756.00	CM309A50.000MABJT
3.125000	300-4067-1-ND	1.51	1.30	.98	756.00	CM309A53.125MABJT
0.000000	300-4068-1-ND	1.51	1.30	.98	756.00	CM309A60.000MABJT
4.000000	300-4069-1-ND	1.51	1.30	.98	756.00	CM309A64.000MABJT
6.666600	300-4070-1-ND	1.51	1.30	.98	756.00	CM309A66.6666MABJT

CM309B

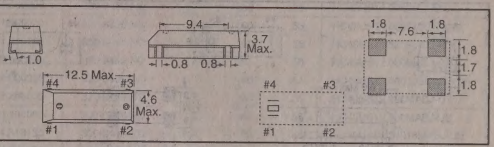
Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Tape & Reel Pricing* 1,000	Citizen Part No.
4.096000	300-4104-1-ND	1.51	1.30	.98	—	CM309B4.096MABJT
5.120000	300-4107-1-ND	1.51	1.30	.98	—	CM309B5.120MABJT
5.144000	300-4110-1-ND	1.51	1.30	.98	—	CM309B6.144MABJT
7.680000	300-4112-1-ND	1.51	1.30	.98	756.00	CM309B7.680MABJT
8.000156	300-4114-1-ND	1.51	1.30	.98	756.00	CM309B8.000156MABJT
9.600000	300-4117-1-ND	1.51	1.30	.98	—	CM309B9.600MABJT
9.830400	300-4118-1-ND	1.51	1.30	.98	756.00	CM309B9.8304MABJT
0.240000	300-4120-1-ND	1.51	1.30	.98	756.00	CM309B10.240MABJT
1.000000	300-4121-1-ND	1.51	1.30	.98	756.00	CM309B11.000MABJT
2.352000	300-4126-1-ND	1.51	1.30	.98	756.00	CM309B12.352MABJT
2.500000	300-4127-1-ND	1.51	1.30	.98	756.00	CM309B12.500MABJT
5.360000	300-4132-1-ND	1.51	1.30	.98	756.00	CM309B15.360MABJT
6.000312	300-4134-1-ND	1.51	1.30	.98	756.00	CM309B16.000312MABJT
6.257000	300-4135-1-ND	1.51	1.30	.98	756.00	CM309B16.257MABJT
7.734475	300-4139-1-ND	1.51	1.30	.98	—	CM309B17.734475MABJT
8.000000	300-4140-1-ND	1.51	1.30	.98	756.00	CM309B18.000MABJT
8.869000	300-4142-1-ND	1.51	1.30	.98	756.00	CM309B18.869MABJT
0.480000	300-4145-1-ND	1.51	1.30	.98	756.00	CM309B20.480MABJT
4.000000	300-4147-1-ND	1.51	1.30	.98	756.00	CM309B24.000MABJT
5.175000	300-4150-1-ND	1.51	1.30	.98	—	CM309B25.175MABJT
8.000000	300-4152-1-ND	1.51	1.30	.98	—	CM309B28.000MABJT
8.636360	300-4154-1-ND	1.51	1.30	.98	—	CM309B28.63636MABJT
2.000000	300-4157-1-ND	1.51	1.30	.98	756.00	CM309B32.000MABJT
2.768000	300-4158-1-ND	1.51	1.30	.98	—	CM309B32.768MABJT
3.000000	300-4159-1-ND	1.51	1.30	.98	756.00	CM309B33.000MABJT
3.333300	300-4160-1-ND	1.51	1.30	.98	—	CM309B33.3333MABJT
3.868800	300-4161-1-ND	1.51	1.30	.98	756.00	CM309B33.8688MABJT
8.000000	300-4164-1-ND	1.51	1.30	.98	756.00	CM309B48.000MABJT
9.152000	300-4165-1-ND	1.51	1.30	.98	756.00	CM309B49.152MABJT
0.000000	300-4166-1-ND	1.51	1.30	.98	756.00	CM309B50.000MABJT
3.125000	300-4167-1-ND	1.51	1.30	.98	756.00	CM309B53.125MABJT
0.000000	300-4168-1-ND	1.51	1.30	.98	756.00	CM309B60.000MABJT
4.000000	300-4169-1-ND	1.51	1.30	.98	756.00	CM309B64.000MABJT
6.666600	300-4170-1-ND	1.51	1.30	.98	756.00	CM309B66.6666MABJT

Tape & Reel Part No., change -1-ND to -2-ND.

CM309S Series Plastic Surface Mount Crystals

Specifications:
- **Operating Temperature:** -40°C ~ 85°C
- **Drive Level:** 100µW Max.
- **Load Capacitance:** 18.0pF
- **Frequency/Temperature:** ±50ppm, -10°C ~ 60°C

Equivalent Series Resistance (ESR, R1)	
Frequency	ESR (Ω Max.)
3.5MHz ≤ fo < 4MHz	200
4MHz ≤ fo < 6MHz	150
6MHz ≤ fo < 10MHz	100
10MHz ≤ fo < 30MHz	50
30MHz ≤ fo < 36MHz	100
36MHz ≤ fo ≤ 70MHz	80

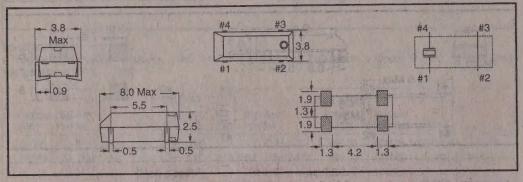


Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Tape & Reel Pricing 1,000	Citizen Part No.
3.579545	300-8040-1-ND	1.10	.90	.80	—	CM309S3.579545MABJTR
4.000000	300-8042-1-ND	1.10	.90	.80	300-8042-2-ND 664.00	CM309S4.000MABJTR
4.915200	300-8044-1-ND	1.10	.90	.80	300-8044-2-ND 664.00	CM309S4.9152MABJTR
5.120000	300-2036-1-ND	1.10	.90	.80	300-2036-2-ND 664.00	CM309S5.120MABJTR
5.529600	300-2037-1-ND	1.10	.90	.80	300-2037-2-ND 664.00	CM309S5.5296MABJTR
6.144000	300-8046-1-ND	1.10	.90	.80	300-8046-2-ND 664.00	CM309S6.144MABJTR
8.000156	300-2038-1-ND	1.10	.90	.80	— —	CM309S8.000156MABJTR
9.600000	300-2041-1-ND	1.10	.90	.80	300-2041-2-ND 664.00	CM309S9.600MABJTR
10.240000	300-8052-1-ND	1.10	.90	.80	300-8052-2-ND 664.00	CM309S10.240MABJTR
12.288000	300-8056-1-ND	1.10	.90	.80	300-8056-2-ND 664.00	CM309S12.288MABJTR
12.352000	300-2042-1-ND	1.10	.90	.80	300-2042-2-ND 664.00	CM309S12.352MABJTR
13.500000	300-2044-1-ND	1.10	.90	.80	— —	CM309S13.500MABJTR
15.000000	300-8059-1-ND	1.10	.90	.80	300-8059-2-ND 664.00	CM309S15.000MABJTR
15.360000	300-8060-1-ND	1.10	.90	.80	— —	CM309S15.360MABJTR
16.000000	300-8061-1-ND	1.10	.90	.80	300-8061-2-ND 664.00	CM309S16.000MABJTR
16.000312	300-2045-1-ND	1.10	.90	.80	300-2045-2-ND 664.00	CM309S16.000312MABJTR
16.257000	300-2046-1-ND	1.10	.90	.80	300-2046-2-ND 664.00	CM309S16.257MABJTR
16.384000	300-2047-1-ND	1.10	.90	.80	300-2047-2-ND 664.00	CM309S16.384MABJTR
16.934400	300-2048-1-ND	1.10	.90	.80	300-2048-2-ND 664.00	CM309S16.9344MABJTR
17.734475	300-2049-1-ND	1.10	.90	.80	300-2049-2-ND 664.00	CM309S17.734475MABJTR
18.000000	300-2050-1-ND	1.10	.90	.80	300-2050-2-ND 664.00	CM309S18.000MABJTR
18.432000	300-8063-1-ND	1.10	.90	.80	300-8063-2-ND 664.00	CM309S18.432MABJTR
18.869000	300-2051-1-ND	1.10	.90	.80	300-2051-2-ND 664.00	CM309S18.869MABJTR
19.440000	300-8064-1-ND	1.10	.90	.80	— —	CM309S19.440MABJTR
19.660800	300-8065-1-ND	1.10	.90	.80	300-8065-2-ND 664.00	CM309S19.6608MABJTR
24.000000	300-8069-1-ND	1.10	.90	.80	— —	CM309S24.000MABJTR
25.175000	300-2053-1-ND	1.10	.90	.80	300-2053-2-ND 664.00	CM309S25.175MABJTR
28.000000	300-2054-1-ND	1.10	.90	.80	300-2054-2-ND 664.00	CM309S28.000MABJTR
28.322000	300-2055-1-ND	1.10	.90	.80	300-2055-2-ND 664.00	CM309S28.322MABJTR
28.636360	300-8073-1-ND	1.10	.90	.80	300-8073-2-ND 664.00	CM309S28.63636MABJTR
32.000000	300-8076-1-ND	1.10	.90	.80	— —	CM309S32.000MABJTR
32.768000	300-8077-1-ND	1.10	.90	.80	300-8077-2-ND 664.00	CM309S32.768MABJTR
33.000000	300-8078-1-ND	1.10	.90	.80	300-8078-2-ND 664.00	CM309S33.000MABJTR
33.868800	300-2056-1-ND	1.10	.90	.80	300-2056-2-ND 664.00	CM309S33.8688MABJTR
36.000000	300-8080-1-ND	1.10	.90	.80	— —	CM309S36.000MABJTR
48.000000	300-8082-1-ND	1.10	.90	.80	300-8082-2-ND 664.00	CM309S48.000MABJTR
53.125000	300-8085-1-ND	1.10	.90	.80	— —	CM309S53.125MABJTR
60.000000	300-8086-1-ND	1.10	.90	.80	— —	CM309S60.000MABJTR
66.666600	300-8088-1-ND	1.10	.90	.80	— —	CM309S66.6666MABJTR
					RoHS Compliant	
3.579545	300-8634-1-ND	.96	.79	.70	300-8634-2-ND 581.00	CM309S3.579545MABJ-UT
3.686400	300-8635-1-ND	.96	.79	.70	300-8635-2-ND 581.00	CM309S3.6864MABJ-UT
4.000000	300-8636-1-ND	.96	.79	.70	300-8636-2-ND 581.00	CM309S4.000MABJ-UT
4.096000	300-8637-1-ND	.96	.79	.70	300-8637-2-ND 581.00	CM309S4.096MABJ-UT
4.800000	300-8318-1-ND	.96	.79	.70	300-8318-2-ND 581.00	CM309S4.800MABJ-UT
4.915200	300-8638-1-ND	.96	.79	.70	300-8638-2-ND 581.00	CM309S4.9152MABJ-UT
5.120000	300-8319-1-ND	.96	.79	.70	300-8319-2-ND 581.00	CM309S5.120MABJ-UT
5.529600	300-8320-1-ND	.96	.79	.70	300-8320-2-ND 581.00	CM309S5.5296MABJ-UT
6.000000	300-8639-1-ND	.96	.79	.70	300-8639-2-ND 581.00	CM309S6.000MABJ-UT
6.144000	300-8640-1-ND	.96	.79	.70	300-8640-2-ND 581.00	CM309S6.144MABJ-UT
7.372800	300-8641-1-ND	.96	.79	.70	300-8641-2-ND 581.00	CM309S7.3728MABJ-UT
8.000000	300-8642-1-ND	.96	.79	.70	300-8642-2-ND 581.00	CM309S8.000MABJ-UT
8.000156	300-8321-1-ND	.96	.79	.70	300-8321-2-ND 581.00	CM309S8.000156MABJ-UT
8.192000	300-8322-1-ND	.96	.79	.70	300-8322-2-ND 581.00	CM309S8.192MABJ-UT
9.216000	300-8323-1-ND	.96	.79	.70	300-8323-2-ND 581.00	CM309S9.216MABJ-UT
10.000000	300-8643-1-ND	.96	.79	.70	300-8643-2-ND 581.00	CM309S10.000MABJ-UT
10.240000	300-8644-1-ND	.96	.79	.70	300-8644-2-ND 581.00	CM309S10.240MABJ-UT
11.059200	300-8645-1-ND	.96	.79	.70	300-8645-2-ND 581.00	CM309S11.0592MABJ-UT
12.000000	300-8646-1-ND	.96	.79	.70	300-8646-2-ND 581.00	CM309S12.000MABJ-UT
12.288000	300-8647-1-ND	.96	.79	.70	300-8647-2-ND 581.00	CM309S12.288MABJ-UT
12.352000	300-8324-1-ND	.96	.79	.70	300-8324-2-ND 581.00	CM309S12.352MABJ-UT
12.500000	300-8325-1-ND	.96	.79	.70	300-8325-2-ND 581.00	CM309S12.500MABJ-UT

CITIZEN™

CM250S Series Quartz Crystals

Specifications:
- **Frequency Tolerance:** ±30ppm
- **Operating Temperature:** -40°C ~ 85°C
- **Storage Temperature:** -55°C ~ 125°C
- **Load Capacitance:** 12.5pF
- **Shunt Capacitance:** 8pF ~ 1.7pF
- **Drive Level:** 1µW Max.
- **Insulation Resistance:** 500MΩ Min.
- **Aging (First Year):** ±5ppm Max.



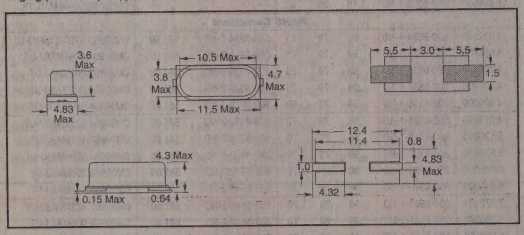
Frequency (kHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 3,000	Citizen Part No.
32.000	300-2007-1-ND	1.65	1.35	1.20	—	—	CM250S32.000KAZFT
40.000	300-2015-1-ND	1.65	1.35	1.20	—	—	CM250S40.000KAZFT
60.000	300-2018-1-ND	1.65	1.35	1.20	300-2018-2-ND	864.00/M	CM250S60.000KAZFT
60.005	300-2019-1-ND	1.65	1.35	1.20	300-2019-2-ND	864.00/M	CM250S60.005KAZFT
65.536	300-2020-1-ND	1.65	1.35	1.20	300-2020-2-ND	864.00/M	CM250S65.536KAZFT
75.000	300-2021-1-ND	1.65	1.35	1.20	300-2021-2-ND	864.00/M	CM250S75.000KAZFT
76.790	300-2022-1-ND	1.65	1.35	1.20	300-2022-2-ND	864.00/M	CM250S76.790KAZFT
76.800	300-2023-1-ND	1.65	1.35	1.20	—	—	CM250S76.800KAZFT
76.810	300-2024-1-ND	1.65	1.35	1.20	300-2024-2-ND	864.00/M	CM250S76.810KAZFT
77.500	300-2025-1-ND	1.65	1.35	1.20	300-2025-2-ND	864.00/M	CM250S77.500KAZFT
77.503	300-2026-1-ND	1.65	1.35	1.20	300-2026-2-ND	864.00/M	CM250S77.503KAZFT
RoHS Compliant							
32.000	300-8309-1-ND	1.65	1.35	1.20	300-8309-2-ND	864.00/M	CM250S32.000KAZF-UT
40.000	300-8310-1-ND	1.65	1.35	1.20	300-8310-2-ND	864.00/M	CM250S40.000KAZF-UT
60.000	300-8311-1-ND	1.65	1.35	1.20	300-8311-2-ND	864.00/M	CM250S60.000KAZF-UT
65.536	300-8312-1-ND	1.65	1.35	1.20	300-8312-2-ND	864.00/M	CM250S65.536KAZF-UT
75.000	300-8313-1-ND	1.65	1.35	1.20	300-8313-2-ND	864.00/M	CM250S75.000KAZF-UT
76.800	300-8314-1-ND	1.65	1.35	1.20	300-8314-2-ND	864.00/M	CM250S76.800KAZF-UT
96.000	300-8315-1-ND	1.65	1.35	1.20	300-8315-2-ND	864.00/M	CM250S96.000KAZF-UT
100.000	300-8316-1-ND	1.65	1.35	1.20	300-8316-2-ND	864.00/M	CM250S100.000KAZF-UT

HCM49 Series Surface Mount Crystals

Specifications:
- **Frequency Tolerance:** ±30ppm over operating temperature range
- **Frequency/Temperature:** ±50ppm, -10°C ~ 60°C
- **Operating Temperature:** -40°C ~ 85°C
- **Storage Temperature:** -55°C ~ 125°C
- **Load Capacitance:** 18.0pF
- **Shunt Capacitance:** 7pF Max. ~ 100µW
- **Insulation Resistance:** 500MΩ Min.
- **Aging (First Year):** ±5ppm Max.

Equivalent Series Resistance (ESR, R1) (Ω Max.)

Frequency	ESR
3.5MHz ≤ fo < 4.0MHz	200
4.0MHz ≤ fo < 6.0MHz	150
6.0MHz ≤ fo < 10.0MHz	100
10.0MHz ≤ fo < 14.0MHz	80
14.0MHz ≤ fo ≤ 30.0MHz	50
30.0MHz ≤ fo ≤ 36.0MHz	140
36.0MHz ≤ fo ≤ 50.0MHz	100



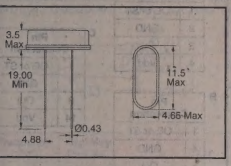
Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 1,000	Citizen Part No.
4.433619	300-6107-1-ND	.90	.78	.68	300-6107-2-ND	420.00	HCM49-4.433619MABJT
4.915200	300-6108-1-ND	.90	.78	.68	—	—	HCM49-4.9152MABJT
5.990400	300-6111-1-ND	.90	.78	.68	300-6111-2-ND	420.00	HCM49-5.9904MABJT
6.500000	300-6114-1-ND	.90	.78	.68	300-6114-2-ND	420.00	HCM49-6.500MABJT
9.000000	300-6118-1-ND	.90	.78	.68	300-6118-2-ND	420.00	HCM49-9.000MABJT

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 1,000	Citizen Part No.
11.000000	300-6123-1-ND	.90	.78	.68	—	—	HCM49-11.000MABJT
11.059200	300-6124-1-ND	.90	.78	.68	300-6124-2-ND	420.00	HCM49-11.0592MABJT
11.520000	300-6125-1-ND	.90	.78	.68	300-6125-2-ND	420.00	HCM49-11.520MABJT
12.000393	300-6128-1-ND	.90	.78	.68	300-6128-2-ND	420.00	HCM49-12.000393MABJT
14.318180	300-6130-1-ND	.90	.78	.68	300-6130-2-ND	420.00	HCM49-14.31818MABJT
15.000000	300-6132-1-ND	.90	.78	.68	—	—	HCM49-15.000MABJT
16.000312	300-6135-1-ND	.90	.78	.68	300-6135-2-ND	420.00	HCM49-16.000312MABJT
16.257000	300-6136-1-ND	.90	.78	.68	300-6136-2-ND	420.00	HCM49-16.257MABJT
16.384000	300-6137-1-ND	.90	.78	.68	300-6137-2-ND	420.00	HCM49-16.384MABJT
18.000000	300-6139-1-ND	.90	.78	.68	—	—	HCM49-18.000MABJT
21.477270	300-6143-1-ND	.90	.78	.68	—	—	HCM49-21.47727MABJT
24.000140	300-6146-1-ND	.90	.78	.68	300-6146-2-ND	420.00	HCM49-24.00014MABJT
25.175000	300-6149-1-ND	.90	.78	.68	300-6149-2-ND	420.00	HCM49-25.175MABJT
32.000000	300-6153-1-ND	.90	.78	.68	300-6153-2-ND	420.00	HCM49-32.000MABJT
33.868800	300-6156-1-ND	.90	.78	.68	300-6156-2-ND	420.00	HCM49-33.8688MABJT
40.000000	300-6157-1-ND	.90	.78	.68	300-6157-2-ND	420.00	HCM49-40.000MABJT
49.152000	300-6159-1-ND	.90	.78	.68	—	—	HCM49-49.152MABJT
RoHS Compliant							
3.579545	300-8524-1-ND	.90	.78	.68	300-8524-2-ND	420.00	HCM49-3.579545MABJ-UT
3.686400	300-8525-1-ND	.90	.78	.68	300-8525-2-ND	420.00	HCM49-3.6864MABJ-UT
4.000000	300-8526-1-ND	.90	.78	.68	300-8526-2-ND	420.00	HCM49-4.000MABJ-UT
4.032000	300-8527-1-ND	.90	.78	.68	300-8527-2-ND	420.00	HCM49-4.032MABJ-UT
4.096000	300-8528-1-ND	.90	.78	.68	300-8528-2-ND	420.00	HCM49-4.096MABJ-UT
4.194304	300-8529-1-ND	.90	.78	.68	300-8529-2-ND	420.00	HCM49-4.194304MABJ-UT
4.433619	300-8530-1-ND	.90	.78	.68	300-8530-2-ND	420.00	HCM49-4.433619MABJ-UT
4.915200	300-8531-1-ND	.90	.78	.68	300-8531-2-ND	420.00	HCM49-4.9152MABJ-UT
5.000000	300-8532-1-ND	.90	.78	.68	300-8532-2-ND	420.00	HCM49-5.000MABJ-UT
5.068800	300-8533-1-ND	.90	.78	.68	300-8533-2-ND	420.00	HCM49-5.0688MABJ-UT
5.990400	300-8534-1-ND	.90	.78	.68	300-8534-2-ND	420.00	HCM49-5.9904MABJ-UT
6.000000	300-8535-1-ND	.90	.78	.68	300-8535-2-ND	420.00	HCM49-6.000MABJ-UT
6.144000	300-8536-1-ND	.90	.78	.68	300-8536-2-ND	420.00	HCM49-6.144MABJ-UT
6.500000	300-8537-1-ND	.90	.78	.68	300-8537-2-ND	420.00	HCM49-6.500MABJ-UT
7.372800	300-8538-1-ND	.90	.78	.68	300-8538-2-ND	420.00	HCM49-7.3728MABJ-UT
7.680000	300-8539-1-ND	.90	.78	.68	300-8539-2-ND	420.00	HCM49-7.680MABJ-UT
8.000000	300-8540-1-ND	.90	.78	.68	300-8540-2-ND	420.00	HCM49-8.000MABJ-UT
9.000000	300-8541-1-ND	.90	.78	.68	300-8541-2-ND	420.00	HCM49-9.000MABJ-UT
9.830400	300-8542-1-ND	.90	.78	.68	300-8542-2-ND	420.00	HCM49-9.8304MABJ-UT
10.000000	300-8543-1-ND	.90	.78	.68	300-8543-2-ND	420.00	HCM49-10.000MABJ-UT
10.240000	300-8544-1-ND	.90	.78	.68	300-8544-2-ND	420.00	HCM49-10.240MABJ-UT
11.000000	300-8545-1-ND	.90	.78	.68	300-8545-2-ND	420.00	HCM49-11.000MABJ-UT
11.059200	300-8546-1-ND	.90	.78	.68	300-8546-2-ND	420.00	HCM49-11.0592MABJ-UT
11.520000	300-8547-1-ND	.90	.78	.68	300-8547-2-ND	420.00	HCM49-11.520MABJ-UT
12.000000	300-8548-1-ND	.90	.78	.68	300-8548-2-ND	420.00	HCM49-12.000MABJ-UT
12.000393	300-8549-1-ND	.90	.78	.68	300-8549-2-ND	420.00	HCM49-12.000393MABJ-U
12.288000	300-8550-1-ND	.90	.78	.68	300-8550-2-ND	420.00	HCM49-12.288MABJ-UT
13.500000	300-8579-1-ND	.90	.78	.68	300-8579-2-ND	420.00	HCM49-13.500MABJ-UT
14.318180	300-8551-1-ND	.90	.78	.68	300-8551-2-ND	420.00	HCM49-14.31818MABJ-UT
14.745600	300-8552-1-ND	.90	.78	.68	300-8552-2-ND	420.00	HCM49-14.7456MABJ-UT
15.000000	300-8553-1-ND	.90	.78	.68	300-8553-2-ND	420.00	HCM49-15.000MABJ-UT
15.360000	300-8554-1-ND	.90	.78	.68	300-8554-2-ND	420.00	HCM49-15.360MABJ-UT
16.000000	300-8555-1-ND	.90	.78	.68	300-8555-2-ND	420.00	HCM49-16.000MABJ-UT
16.000312	300-8556-1-ND	.90	.78	.68	300-8556-2-ND	420.00	HCM49-16.000312MABJ-U
16.257000	300-8557-1-ND	.90	.78	.68	300-8557-2-ND	420.00	HCM49-16.257MABJ-UT
16.384000	300-8558-1-ND	.90	.78	.68	300-8558-2-ND	420.00	HCM49-16.384MABJ-UT
17.734475	300-8559-1-ND	.90	.78	.68	300-8559-2-ND	420.00	HCM49-17.734475MABJ-U
18.000000	300-8560-1-ND	.90	.78	.68	300-8560-2-ND	420.00	HCM49-18.000MABJ-UT
18.432000	300-8561-1-ND	.90	.78	.68	300-8561-2-ND	420.00	HCM49-18.432MABJ-UT
19.660800	300-8562-1-ND	.90	.78	.68	300-8562-2-ND	420.00	HCM49-19.6608MABJ-UT
20.000000	300-8563-1-ND	.90	.78	.68	300-8563-2-ND	420.00	HCM49-20.000MABJ-UT
21.477270	300-8564-1-ND	.90	.78	.68	300-8564-2-ND	420.00	HCM49-21.47727MABJ-UT
22.118400	300-8565-1-ND	.90	.78	.68	300-8565-2-ND	420.00	HCM49-22.1184MABJ-UT
24.000000	300-8566-1-ND	.90	.78	.68	300-8566-2-ND	420.00	HCM49-24.000MABJ-UT
24.000140	300-8567-1-ND	.90	.78	.68	300-8567-2-ND	420.00	HCM49-24.00014MABJ-U
24.576000	300-8568-1-ND	.90	.78	.68	300-8568-2-ND	420.00	HCM49-24.576MABJ-UT
25.000000	300-8569-1-ND	.90	.78	.68	300-8569-2-ND	420.00	HCM49-25.000MABJ-UT
25.175000	300-8570-1-ND	.90	.78	.68	300-8570-2-ND	420.00	HCM49-25.175MABJ-UT
27.000000	300-8571-1-ND	.90	.78	.68	300-8571-2-ND	420.00	HCM49-27.000MABJ-UT
28.636360	300-8572-1-ND	.90	.78	.68	300-8572-2-ND	420.00	HCM49-28.63636MABJ-U
32.000000	300-8573-1-ND	.90	.78	.68	300-8573-2-ND	420.00	HCM49-32.000MABJ-UT
33.868800	300-8574-1-ND	.90	.78	.68	300-8574-2-ND	420.00	HCM49-33.8688MABJ-UT
40.000000	300-8575-1-ND	.90	.78	.68	300-8575-2-ND	420.00	HCM49-40.000MABJ-UT
48.000000	300-8576-1-ND	.90	.78	.68	300-8576-2-ND	420.00	HCM49-48.000MABJ-UT
49.152000	300-8577-1-ND	.90	.78	.68	300-8577-2-ND	420.00	HCM49-49.152MABJ-UT
50.000000	300-8578-1-ND	.90	.78	.68	300-8578-2-ND	420.00	HCM49-50.000MABJ-UT

CITIZEN™

C49US Series Through-Hole Crystals

cifications:
equency Tolerance: ±30ppm • **Operating Temperature:** -20°C ~ 70°C • **Storage Temperature:** -40°C 85°C • **Lead Capacitance:** 18.0pF • **Shunt Capacitance:** 7pF Max. • **Drive Level:** 100µW Max. • **Insula- Resistance:** 500MΩ Min. • **Aging (First Year):** ±5ppm Max.



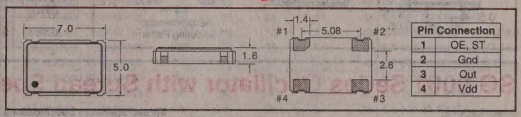
Equivalent Series Resistance (ESR, R1) (Ω Max.)

Frequency	ESR
3.5MHz ≤ fo < 4.0MHz	200
4.0MHz ≤ fo < 6.0MHz	150
6.0MHz ≤ fo < 10.0MHz	100
10.0MHz ≤ fo < 14.0MHz	80
14.0MHz ≤ fo ≤ 30.0MHz	50
30.0MHz ≤ fo ≤ 36.0MHz	140
36.0MHz ≤ fo ≤ 50.0MHz	100

Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	50	Citizen Part No.
4.032000	300-6004-ND	.70	.60	.55	HC49US4.032MABJ
4.433619	300-6007-ND	.70	.60	.55	HC49US4.433619MABJ
5.000000	300-6009-ND	.70	.60	.55	HC49US5.000MABJ
5.068800	300-6010-ND	.70	.60	.55	HC49US5.0688MABJ
5.990400	300-6011-ND	.70	.60	.55	HC49US5.9904MABJ
6.000000	300-6012-ND	.70	.60	.55	HC49US6.000MABJ
6.500000	300-6014-ND	.70	.60	.55	HC49US6.500MABJ
7.680000	300-6016-ND	.70	.60	.55	HC49US7.680MABJ
8.000000	300-6017-ND	.70	.60	.55	HC49US8.000MABJ
9.216000	300-6019-ND	.70	.60	.55	HC49US9.216MABJ
9.830400	300-6020-ND	.70	.60	.55	HC49US9.8304MABJ
10.240000	300-6022-ND	.70	.60	.55	HC49US10.240MABJ
11.059200	300-6024-ND	.70	.60	.55	HC49US11.0592MABJ
11.520000	300-6025-ND	.70	.60	.55	HC49US11.520MABJ
12.000393	300-6028-ND	.70	.60	.55	HC49US12.000393MABJ
14.318180	300-6030-ND	.70	.60	.55	HC49US14.31818MABJ
14.745600	300-6031-ND	.70	.60	.55	HC49US14.7456MABJ
15.000000	300-6032-ND	.70	.60	.55	HC49US15.000MABJ
16.000312	300-6035-ND	.70	.60	.55	HC49US16.000312MABJ
16.257000	300-6036-ND	.70	.60	.55	HC49US16.257MABJ
19.660800	300-6041-ND	.70	.60	.55	HC49US19.6608MABJ
21.477270	300-6043-ND	.70	.60	.55	HC49US21.47727MABJ
22.118400	300-6044-ND	.70	.60	.55	HC49US22.1184MABJ
24.000140	300-6046-ND	.70	.60	.55	HC49US24.00014MABJ
25.175000	300-6049-ND	.70	.60	.55	HC49US25.175MABJ
27.000000	300-6050-ND	.70	.60	.55	HC49US27.000MABJ
33.868800	300-6056-ND	.70	.60	.55	HC49US33.8688MABJ
50.000000	300-6060-ND	.70	.60	.55	HC49US50.000MABJ
RoHS Compliant					
3.579545	300-8467-ND	.70	.60	.55	HC49US3.579545MABJ-UB
3.686400	300-8468-ND	.70	.60	.55	HC49US3.6864MABJ-UB
4.000000	300-8469-ND	.70	.60	.55	HC49US4.000MABJ-UB
4.032000	300-8470-ND	.70	.60	.55	HC49US4.032MABJ-UB
4.096000	300-8471-ND	.70	.60	.55	HC49US4.096MABJ-UB
4.194304	300-8472-ND	.70	.60	.55	HC49US4.194304MABJ-UB
4.433619	300-8473-ND	.70	.60	.55	HC49US4.433619MABJ-UB
4.915200	300-8474-ND	.70	.60	.55	HC49US4.9152MABJ-UB
5.000000	300-8475-ND	.70	.60	.55	HC49US5.000MABJ-UB
5.068800	300-8476-ND	.70	.60	.55	HC49US5.0688MABJ-UB
5.990400	300-8477-ND	.70	.60	.55	HC49US5.9904MABJ-UB
6.000000	300-8478-ND	.70	.60	.55	HC49US6.000MABJ-UB
6.144000	300-8479-ND	.70	.60	.55	HC49US6.144MABJ-UB
6.500000	300-8480-ND	.70	.60	.55	HC49US6.500MABJ-UB
7.372800	300-8481-ND	.70	.60	.55	HC49US7.3728MABJ-UB
7.680000	300-8482-ND	.70	.60	.55	HC49US7.680MABJ-UB
8.000000	300-8483-ND	.70	.60	.55	HC49US8.000MABJ-UB
9.000000	300-8484-ND	.70	.60	.55	HC49US9.000MABJ-UB

Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	50	Citizen Part No.
RoHS Compliant (cont.)					
9.216000	300-8485-ND	.70	.60	.55	HC49US9.216MABJ-UB
9.830400	300-8486-ND	.70	.60	.55	HC49US9.8304MABJ-UB
10.000000	300-8487-ND	.70	.60	.55	HC49US10.000MABJ-UB
10.240000	300-8488-ND	.70	.60	.55	HC49US10.240MABJ-UB
11.000000	300-8489-ND	.70	.60	.55	HC49US11.00MABJ-UB
11.059200	300-8490-ND	.70	.60	.55	HC49US11.0592MABJ-UB
11.520000	300-8491-ND	.70	.60	.55	HC49US11.520MABJ-UB
12.000000	300-8492-ND	.70	.60	.55	HC49US12.000MABJ-UB
12.000393	300-8493-ND	.70	.60	.55	HC49US12.000393MABJ-UB
12.288000	300-8494-ND	.70	.60	.55	HC49US12.288MABJ-UB
13.500000	300-8523-ND	.70	.60	.55	HC49US13.500MABJ-UB
14.318180	300-8495-ND	.70	.60	.55	HC49US14.31818MABJ-UB
14.745600	300-8496-ND	.70	.60	.55	HC49US14.7456MABJ-UB
15.000000	300-8497-ND	.70	.60	.55	HC49US15.000MABJ-UB
15.360000	300-8498-ND	.70	.60	.55	HC49US15.360MABJ-UB
16.000000	300-8499-ND	.70	.60	.55	HC49US16.000MABJ-UB
16.000312	300-8500-ND	.70	.60	.55	HC49US16.000312MABJ-UB
16.257000	300-8501-ND	.70	.60	.55	HC49US16.257MABJ-UB
16.384000	300-8502-ND	.70	.60	.55	HC49US16.384MABJ-UB
17.734475	300-8503-ND	.70	.60	.55	HC49US17.734475MABJ-UB
18.000000	300-8504-ND	.70	.60	.55	HC49US18.000MABJ-UB
18.432000	300-8505-ND	.70	.60	.55	HC49US18.432MABJ-UB
19.660800	300-8506-ND	.70	.60	.55	HC49US19.6608MABJ-UB
20.000000	300-8507-ND	.70	.60	.55	HC49US20.000MABJ-UB
21.477270	300-8508-ND	.70	.60	.55	HC49US21.47727MABJ-UB
22.118400	300-8509-ND	.70	.60	.55	HC49US22.1184MABJ-UB
24.000000	300-8510-ND	.70	.60	.55	HC49US24.000MABJ-UB
24.000140	300-8511-ND	.70	.60	.55	HC49US24.00014MABJ-UB
24.576000	300-8512-ND	.70	.60	.55	HC49US24.576MABJ-UB
25.000000	300-8513-ND	.70	.60	.55	HC49US25.000MABJ-UB
25.175000	300-8514-ND	.70	.60	.55	HC49US25.175MABJ-UB
27.000000	300-8515-ND	.70	.60	.55	HC49US27.000MABJ-UB
28.224000	300-8516-ND	.70	.60	.55	HC49US28.224MABJ-UB
28.636360	300-8517-ND	.70	.60	.55	HC49US28.63636MABJ-UB
32.000000	300-8518-ND	.70	.60	.55	HC49US32.000MABJ-UB
33.868800	300-8519-ND	.70	.60	.55	HC49US33.8688MABJ-UB
40.000000	300-8520-ND	.70	.60	.55	HC49US40.000MABJ-UB
48.000000	300-8521-ND	.70	.60	.55	HC49US48.000MABJ-UB
50.000000	300-8522-ND	.70	.60	.55	HC49US50.000MABJ-UB

CSX-750P Series Programmable Oscillator



Pin Connection	
1	OE, ST
2	Gnd
3	Out
4	Vdd

How to Select Base Number:
 # 1 = Select Supply Voltage, Output and Function
 # 2 = Select Frequency Stability / Operating Temperature
 # 3 = Select Packaging *(leave last two boxes blank for Tube packaging)*.

Call Digi-Key with your selected Base Part Number, and a Sales Representative will enter your desired frequency. Parts come marked with Manufacture Date Lot Code only. Once programmed, parts are non-cancelable, non-returnable!

Example Part Number:
CSX750 □□□□□ - ND

#1

	Supply Voltage	Output	Function
PD	5.0	CMOS	Standby
PC	5.0	CMOS	Output Enable
PJ	3.3	CMOS	Standby
PB	3.3	CMOS	Output Enable
PK	5.0	TTL	Standby
PT	5.0	TTL	Output Enable

#2

	Frequency Stability/ Operating Temperature
C	±100ppm @ -20°C ~ 70°C
B	±50ppm @ -20°C ~ 70°C
F	±100ppm @ -40°C ~ 85°C

Frequency:
3.3V = 1.000 ~ 100.000 MHz
5.0V = 1.000 ~ 125.000 MHz

#3

	Packaging
TR	Tape and Reel

For Tube packaging, leave last two boxes blank.

Digi-Key Part No.	Tube Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 100	500	1,000
CSX750□□□□-ND	4.73	4.05	2.97	CSX750□□□□□-ND	270.00	1012.50	1800.00
Blank Oscillator 5x7mm SMD							
CSX-750P1P-ND	3.60	3.33	2.97	—	—	—	—

EPSON ELECTRONICS AMERICA, INC.

SG8002 Programmable Oscillators

The SG-8002 Series gives you the flexibility to solve many different application problems with a one time programmable device. Programmable Oscillato provide the ability to pick a custom frequency in one of five different packages available in SMD and Thru-Hole styles. These five packages are pin compatib with the Epson SG-615, SG-636, SG-51, SG-531 and SG-710 Oscillators. Frequency ranges are available from 1MHz ~ 125MHz, in ±100ppm and ±50pp frequency stability options and 3.3 or 5V power supply levels.

Fig. 1 SG-645 Package (JF)

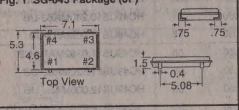


Fig. 2 SG-636 Package (JC)

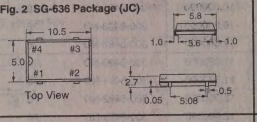
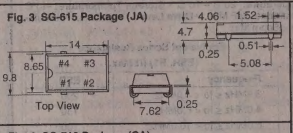


Fig. 3 SG-615 Package (JA)



A	Pin Connection
1	OE or ST
2	GND
3	Out
4	Vdd

B	Pin Connection
1	OE or ST
4	GND
5	Out
8	Vdd

C	Pin Connection
1	OE or ST
7	GND
8	Out
14	Vdd

Fig. 4 SG-531 Package (DC)

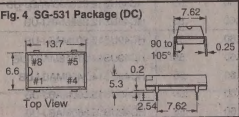


Fig. 5 SG-51 Package (DB)

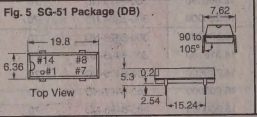


Fig. 6 SG-710 Package (CA)

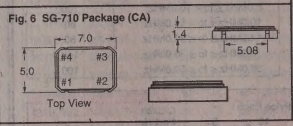


Fig.	Digi-Key * Base Part No.	1	Price Each 10	50	100
1A	SG-8002JF-□□□-ND	5.25	4.50	3.30	3.00
2A	SG-8002JC-□□□-ND	5.88	5.04	3.70	3.36
3A	SG-8002JA-□□□-ND	5.78	4.95	3.63	3.30
4B	SG-8002DC-□□□-ND	5.15	4.41	3.24	2.94
5C	SG-8002DB-□□□-ND	5.15	4.41	3.24	2.94
	Lead Free/RoHS Compliant				
1A	SG-8002JF-□□□-ND	5.25	4.50	3.30	3.00
2A	SG-8002JC-□□□-ND	5.88	5.04	3.70	3.36
3A	SG-8002JA-□□□-ND	5.78	4.95	3.63	3.30
4B	SG-8002DC-□□□-ND	5.15	4.41	3.24	2.94
5C	SG-8002DB-□□□-ND	5.15	4.41	3.24	2.94
6A	SG-8002CA-□□□-ND	6.25	5.36	3.93	3.57

★ For Complete Base Part Number, substitute the corresponding letter for □.

Parts coming from Digi-Key are marked with Manufacture Date Lot Code only. Fully marked parts are available as a non-catalog order.

One Time Programmable parts are non-cancelable, non-returnable!

Example Part Number:

SG-8002
SGR-8002 □□ - □□□ -ND

#1	Package
JA	SG-615
JC	SG-636
DB	SG-51
DC	SG-531
CA	SG-710
JF	SG-645

#2	Function
P	Output Enable
S	Standby

#3	Power Supply Duty Level
H	5.0V, CMOS
T	5.0V, TTL
C	3.3V, CMOS

#4	Frequency Stability	Operating Temperature	Available Frequency Range
B	±50ppm	-20°C ~ 70°C	1.00MHz ~ 125.00MHz
C	±100ppm		
M†	±100ppm	-40°C ~ 85°C	1.00MHz ~ 55.00MHz
B	±50ppm	-20°C ~ 70°C	1.00MHz ~ 125.00MHz
C	±100ppm		
M†	±100ppm	-40°C ~ 85°C	1.00MHz ~ 55.00MHz
B	±50ppm	-20°C ~ 70°C	1.00MHz ~ 125.00MHz
C	±100ppm		
M†	±100ppm	-40°C ~ 85°C	1.00MHz ~ 125.00MHz

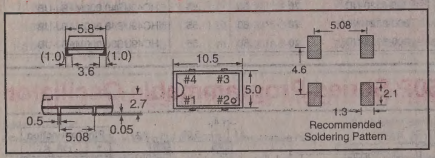
† Not available in JC Package

How to order:

#1 = Select Package.
#2 = Select Function.
#3 = Select Power Supply Duty Level.
#4 = Select Frequency Stability and Operating Temperature.

Call Digi-Key with your Base Part Number and an O erator will enter your desired frequency.

SG-3030JC Crystal Oscillator



Specifications:
• **Voltage:** 1.5V ~ 5.5V • **Interface Power Supply Voltage:** 1.5V ~ 5.5V • **Storage Temperature:** -55°C ~ 125°C • **Operat Temperature:** -40°C ~ 85°C • **Frequency Tolerance:** +5/-23ppm • **Supply Current:** 2µA Max. • **Duty Cycle:** 45% ~ 55% • **St up Time:** 3s • **Output Load CMOS:** 15pF Max. • **Rise Time CMOS:** 200ns Max. • **Fall Time CMOS:** 200ns Max.

Frequency (kHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No. Tape & Reel Pricing 250	Epson Part No.
32.768	SE3618CT-ND	3.12	2.67	2.23	SE3618TR-ND 371.58	SG-3030JC 32.7680KB3

SG-9001 Series Oscillator with Spread Spectrum

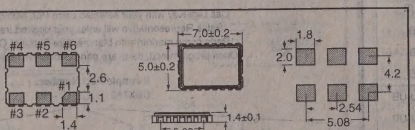
Specifications:
• **Supply Voltage:** 3.3V ±.3V • **Operating Temperature:** -20°C ~ 70°C • **Storage Temperature:** -40°C ~ 125°C • **Supply Current:** 30mA • **Duty Cycle:** 45% ~ 55% • **Start-up Time:** 10ms • **Output Voltage:** 0.4V (VOH); .4V (VOL) • **Load Capacitance:** 15.0pF • **Rise Time CMOS:** 2.7ns • **Fall Time CMOS:** 2.7ns

Spread Spectrum Specifications

Center Spread	Code	C10P	C15P	C20P
	%	±1.0%	±1.5%	±2.0%
Down Spread	Code	D15P	—	—
	%	-1.5%	—	—

No.	Pin
1	OE
2	(SSON)*
3	GND
4	OUT
5	N.C.
6	VDD

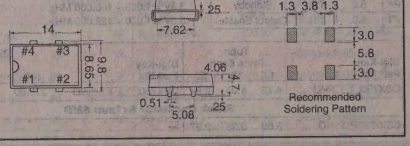
* SSON Terminal should be kept open or GND.



Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	50	Epson Part No.
16.6667	SE1915-ND	6.89	5.73	4.40	SG-9001CA C10P 16.6667M
25.0000	SE1916-ND	6.89	5.73	4.40	SG-9001CA C10P 25.0000M
25.0000	SE1917-ND	6.89	5.73	4.40	SG-9001CA C20P 25.0000M
33.3333	SE1918-ND	6.89	5.73	4.40	SG-9001CA C15P 33.3333M
33.3333	SE1919-ND	6.89	5.73	4.40	SG-9001CA D15P 33.3333M
40.0000	SE1920-ND	6.89	5.73	4.40	SG-9001CA C20P 40.0000M
50.0000	SE1921-ND	6.89	5.73	4.40	SG-9001CA D15P 50.0000M
50.0000	SE1922-ND	6.89	5.73	4.40	SG-9001CA C20P 50.0000M
66.6667	SE1923-ND	6.89	5.73	4.40	SG-9001CA C20P 66.6667M
66.6667	SE1924-ND	6.89	5.73	4.40	SG-9001CA D15P 66.6667M

HG-1000 Oscillators

Pin Connection	
1	Ts
2	Gnd
3	Out
4	Vdd



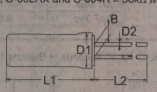
Specifications:
• **Supply Voltage:** 5V ±.25V • **Operating Temperature:** -40°C ~ 85°C • **Storage Temperature:** ~ 125°C • **Frequency Tolerance:** ±25ppm • **Supply Current:** 10mA Maximum • **Duty @ CMOS L (VDD/2):** 40% ~ 60% • **Load Capacitance:** 15.0pF • **Rise Time CMOS:** 8ns Maximum • **Fall Time Cl** 8ns Maximum • **Start-up Time:** 4ms Maximum

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Epson Part No.
16.384	SE2864CT-ND	10.15	8.70	7.25	HG-1012JA 16.3840M-BX0

EPSON ELECTRONICS AMERICA, INC.

Quartz Crystals - C-Type, Cylinder

C-Type Series Specifications: • **Nominal Frequency:** 32.768kHz • **Operating Temperature:** -10°C ~ 70°C • **Drive Level:** 1.0µW Max. • **Frequency Tolerance (Standard):** ±20ppm • **Load Capacitance:** (SE3201, SE3202, SE3203) 12.5pf, (SE3204) 9pf, (SE3205) 6pf • **Series Resistance:** C-001R = 35kΩ Max. (18kΩ Typ.); C-002RX and C-004R = 50kΩ Max. (30kΩ Typ.); and C-005R = 50kΩ Max. (37kΩ Typ.)



Model	L1 Max.	L2 Min.	D1 Max.	D2	B
C-001R	8.0	9.0	ø3.1	ø0.3	1.1
C-002RX	6.0	4.0	ø2.0	ø0.2	0.6
C-004R	5.0	4.0	ø1.5	ø0.18	0.5
C-005R	4.6	4.0	ø1.2	ø0.15	0.3

Frequency (kHz)	Digi-Key Part No.	1	10	Price Each 50	100	1,000	Epson Part No.
32.768	SE3201-ND	.27	.23	.16	.15	.12	C-001R 32.7680K-A
	SE3202-ND	.27	.23	.16	.15	.12	C-002RX 32.7680K-A
	SE3205-ND	.27	.23	.16	.15	.12	C-002RX 32.7680K-E
	SE3203-ND	1.38	1.15	.82	.74	.62	C-004R 32.7680K-A
	SE3204-ND	5.84	4.70	3.33	3.00	2.50	C-005R 32.7680K-AC

Quartz Crystals - C-2-Type, Cylinder

C-2 Series Specifications:

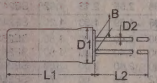
Operating Temperature: -10°C ~ 60°C

Drive Level: 1.0µW Max.

Crystal Load Capacitance/Tolerance: All parts have 11pF load capacitance, ±100ppm except: (SE3311) C-2 32.560KH-AG, 7pF, ±190ppm; (SE3314) C-2 38.000KA-P 12.5pF, ±20ppm

Series Resistance Over 20kHz and Under 49kHz: 35kΩ ~ 15kΩ

Series Resistance Over 100kHz and Under 200kHz: 12kΩ ~ 8kΩ

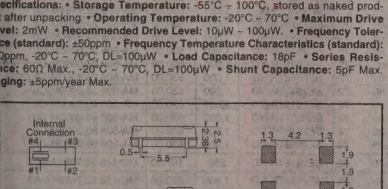


Model	L1 Max.	L2 Min.	D1 Max.	D2	B
C-2-Type	6.2	4.0	ø2.0	ø0.2	0.6

Frequency (kHz)	Digi-Key Part No.	1	10	Price Each 50	100	1,000	Epson Part No.
20.0000	SE3301-ND	1.23	1.03	.73	.66	.55	C-2 20.0000K-P
25.6000	SE3302-ND	1.23	1.03	.73	.66	.55	C-2 25.6000K-P
26.6670	SE3303-ND	1.23	1.03	.73	.66	.55	C-2 26.6670K-P
28.0000	SE3304-ND	1.23	1.03	.73	.66	.55	C-2 28.0000K-P
30.0000	SE3305-ND	1.23	1.03	.73	.66	.55	C-2 30.0000K-P
30.7600	SE3306-ND	1.23	1.03	.73	.66	.55	C-2 30.7600K-P
31.2500	SE3308-ND	1.23	1.03	.73	.66	.55	C-2 31.2500K-P
31.5000	SE3309-ND	1.23	1.03	.73	.66	.55	C-2 31.5000K-P
32.0000	SE3310-ND	1.23	1.03	.73	.66	.55	C-2 32.0000K-P
32.5600	SE3311-ND	1.23	1.03	.73	.66	.55	C-2 32.5600KH-AG
32.9190	SE3312-ND	1.23	1.03	.73	.66	.55	C-2 32.9190KC-P
36.0000	SE3313-ND	1.23	1.03	.73	.66	.55	C-2 36.0000K-P
38.0000	SE3314-ND	1.35	1.13	.73	.66	.55	C-2 38.0000KA-P
38.4000	SE3315-ND	1.23	1.03	.73	.66	.55	C-2 38.4000K-P
40.0000	SE3316-ND	1.23	1.03	.73	.66	.55	C-2 40.0000K-P
46.6084	SE3317-ND	1.23	1.03	.73	.66	.55	C-2 46.6084KC-P
50.0000	SE3318-ND	1.23	1.03	.73	.66	.55	C-2 50.0000K-P
60.0000	SE3320-ND	1.23	1.03	.73	.66	.55	C-2 60.0000K-P
60.0020	SE3321-ND	1.23	1.03	.73	.66	.55	C-2 60.0020KC-P
65.5350	SE3322-ND	1.23	1.03	.73	.66	.55	C-2 65.5350K-P
75.0000	SE3323-ND	1.23	1.03	.73	.66	.55	C-2 75.0000K-P
76.8000	SE3324-ND	1.23	1.03	.73	.66	.55	C-2 76.8000K-P
83.0000	SE3330-ND	1.47	1.23	.87	.78	.65	C-2 83.0000K-P
96.0000	SE3331-ND	1.47	1.23	.87	.78	.65	C-2 96.0000K-P
100.0000	SE3333-ND	1.47	1.23	.87	.78	.65	C-2 100.0000K-P
111.0000	SE3334-ND	1.47	1.23	.87	.78	.65	C-2 111.0000K-P
120.0000	SE3335-ND	1.47	1.23	.87	.78	.65	C-2 120.0000K-P
120.8475	SE3336-ND	1.47	1.23	.87	.78	.65	C-2 120.8475K-P
131.0720	SE3337-ND	1.77	1.48	1.04	.94	.78	C-2 131.0720K-P
149.4750	SE3338-ND	1.77	1.48	1.04	.94	.78	C-2 149.4750K-P

MA-306 Series Crystal

Specifications: • **Storage Temperature:** -55°C ~ 100°C, stored as naked product after unpacking • **Operating Temperature:** -20°C ~ 70°C • **Maximum Drive Level:** 2mW • **Recommended Drive Level:** 10µW ~ 100µW. • **Frequency Tolerance (standard):** ±50ppm • **Frequency Temperature Characteristics (standard):** ±50ppm, -20°C ~ 70°C, DL=100µW • **Load Capacitance:** 18pF • **Series Resistance:** 60Ω Max., -20°C ~ 70°C, DL=100µW • **Shunt Capacitance:** 5pF Max. **Aging:** ±5ppm/year Max.

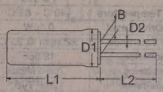


Frequency (MHz)	Digi-Key Part No.	1	Cut Tape Price Each 10	50	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Epson Part No.
18.00000	SE2701CT-ND	2.14	1.83	1.53	1.38	SE2701TR-ND	1020.00	MA-306 18.0000M-C0
18.43200	SE2702CT-ND	2.14	1.83	1.53	1.38	SE2702TR-ND	1020.00	MA-306 18.4320M-C0
19.66080	SE2704CT-ND	2.14	1.83	1.53	1.38	SE2704TR-ND	1020.00	MA-306 19.6608M-C0
20.00000	SE2705CT-ND	2.14	1.83	1.53	1.38	SE2705TR-ND	885.00	MA-306 20.0000M-C0
22.11840	SE2707CT-ND	2.14	1.83	1.53	1.38	SE2707TR-ND	1020.00	MA-306 22.1184M-C0
24.00000	SE2708CT-ND	2.14	1.83	1.53	1.38	SE2708TR-ND	1020.00	MA-306 24.0000M-C0
24.57600	SE2709CT-ND	2.14	1.83	1.53	1.38	SE2709TR-ND	884.50	MA-306 24.5760M-C0
25.00000	SE2710CT-ND	2.14	1.83	1.53	1.38	SE2710TR-ND	1020.00	MA-306 25.0000M-C0
25.17500	SE2711CT-ND	2.14	1.83	1.53	1.38	SE2711TR-ND	1020.00	MA-306 25.1750M-C0
27.00000	SE2712CT-ND	2.14	1.83	1.53	1.38	SE2712TR-ND	1020.00	MA-306 27.0000M-C0
28.00000	SE2713CT-ND	2.14	1.83	1.53	1.38	SE2713TR-ND	1020.00	MA-306 28.0000M-C0
28.63636	SE2715CT-ND	2.14	1.83	1.53	1.38	SE2715TR-ND	1020.00	MA-306 28.6363M-C0
29.49120	SE2716CT-ND	2.14	1.83	1.53	1.38	SE2716TR-ND	1020.00	MA-306 29.4912M-C0
32.00000	SE2718CT-ND	2.14	1.83	1.53	1.38	SE2718TR-ND	1020.00	MA-306 32.0000M-C0
40.00000	SE2725CT-ND	2.14	1.83	1.53	1.38	SE2725TR-ND	1020.00	MA-306 40.0000M-C0

Quartz Crystals - CA-301 Type, Cylinder

CA-301 Series Specifications: • **Operating Temperature:** -20°C ~ 70°C • **Drive Level:** 2mW Max. • **Recommended Level:** 10µW ~ 100µW Typ. • **Frequency Tolerance (Standard):** ±30ppm • **Load Capacitance:** 18pF • **Series Resistance:** See table

Frequency MHz Over	Under	Series Resistance	Mode
4.0	5.5	150Ω Max.	Fundamental
5.5	6.0	100Ω Max.	
6.0	10.0	80Ω Max.	
10.0	12.0	60Ω Max.	
12.0	16.0	50Ω Max.	
16.0	30.0	40Ω Max.	
26.0	36.0	100Ω Max.	3rd Overtone
36.0	64.0	80Ω Max.	



Model	L1 Max.	L2 Min.	D1 Max.	D2	B
Under 5.3MHz	9.3	9.5	ø3.1	ø0.3	1.1
Over 5.5MHz	8.9	9.5	ø3.1	ø0.3	1.1

Frequency (MHz)	Digi-Key Part No.	1	10	Price Each 50	100	1,000	Epson Part No.
4.000000	SE3404-ND	2.13	1.78	1.26	1.13	.94	CA-301 4.0000M-C
4.194304	SE3405-ND	2.13	1.78	1.26	1.13	.94	CA-301 4.194304M-C
4.433619	SE3406-ND	2.13	1.78	1.26	1.13	.94	CA-301 4.433619M-C
4.915200	SE3407-ND	2.13	1.78	1.26	1.13	.94	CA-301 4.9152M-C
5.500000	SE3408-ND	.96	.80	.56	.51	.43	CA-301 5.5000M-C
6.000000	SE3409-ND	.96	.80	.56	.51	.43	CA-301 6.000M-C
6.144000	SE3410-ND	.96	.80	.56	.51	.43	CA-301 6.1440M-C
6.757000	SE3411-ND	.96	.80	.56	.51	.43	CA-301 6.7570M-C
7.200000	SE3412-ND	.96	.80	.56	.51	.43	CA-301 7.200M-C
7.372800	SE3413-ND	.96	.80	.56	.51	.43	CA-301 7.372M-C
8.000000	SE3414-ND	.96	.80	.56	.51	.43	CA-301 8.000M-C
8.388608	SE3415-ND	.96	.80	.56	.51	.43	CA-301 8.388M-C
8.432000	SE3416-ND	.96	.80	.56	.51	.43	CA-301 8.432M-C
9.600000	SE3418-ND	.96	.80	.56	.51	.43	CA-301 9.600M-C
9.830400	SE3419-ND	.96	.80	.56	.51	.43	CA-301 9.830M-C
10.000000	SE3420-ND	.96	.80	.56	.51	.43	CA-301 10.0000M-C
10.240000	SE3421-ND	.96	.80	.56	.51	.43	CA-301 10.2400M-C
10.624400	SE3422-ND	.96	.80	.56	.51	.43	CA-301 10.6244M-C
11.059200	SE3423-ND	.96	.80	.56	.51	.43	CA-301 11.0592M-C
12.000000	SE3424-ND	.96	.80	.56	.51	.43	CA-301 12.0000M-C
12.096000	SE3425-ND	.96	.80	.56	.51	.43	CA-301 12.0960M-C
12.288000	SE3426-ND	.96	.80	.56	.51	.43	CA-301 12.2880M-C
13.500000	SE3427-ND	.96	.80	.56	.51	.43	CA-301 13.5000M-C
14.000000	SE3428-ND	.96	.80	.56	.51	.43	CA-301 14.0000M-C
14.318180	SE3429-ND	.96	.80	.56	.51	.43	CA-301 14.31818M-C
14.500000	SE3430-ND	.96	.80	.56	.51	.43	CA-301 14.500M-C
14.745600	SE3431-ND	.96	.80	.56	.51	.43	CA-301 14.7456M-C
15.000000	SE3432-ND	.96	.80	.56	.51	.43	CA-301 15.000M-C
16.000000	SE3433-ND	.96	.80	.56	.51	.43	CA-301 16.0000M-C
18.000000	SE3435-ND	.96	.80	.56	.51	.43	CA-301 18.0000M-C
18.432000	SE3436-ND	.96	.80	.56	.51	.43	CA-301 18.4320M-C
19.660800	SE3437-ND	.96	.80	.56	.51	.43	CA-301 19.6608M-C
20.000000	SE3438-ND	.96	.80	.56	.51	.43	CA-301 20.0000M-C
22.118400	SE3439-ND	.96	.80	.56	.51	.43	CA-301 22.1184M-C
24.000000	SE3440-ND	.96	.80	.56	.51	.43	CA-301 24.0000M-C
25.000000	SE3441-ND	.96	.80	.56	.51	.43	CA-301 25.0000M-C
25.175000	SE3442-ND	.96	.80	.56	.51	.43	CA-301 25.1750M-C
27.000000	SE3443-ND	.96	.80	.56	.51	.43	CA-301 27.0000M-C;(FUND)
28.000000	SE3444-ND	.96	.80	.56	.51	.43	CA-301 28.0000M-C;(FUND)
28.322000	SE3445-ND	.96	.80	.56	.51	.43	CA-301 28.3220M-C;(FUND)
32.000000	SE3446-ND	.96	.80	.56	.51	.43	CA-301 32.0000M-C
32.768000	SE3447-ND	.96	.80	.56	.51	.43	CA-301 32.7680M-C
33.000000	SE3448-ND	.96	.80	.56	.51	.43	CA-301 33.0000M-C
33.333000	SE3449-ND	.96	.80	.56	.51	.43	CA-301 33.3330M-C
36.000000	SE3450-ND	.96	.80	.56	.51	.43	CA-301 36.0000M-C
40.000000	SE3451-ND	.96	.80	.56	.51	.43	CA-301 40.0000M-C
46.000000	SE3453-ND	.96	.80	.56	.51	.43	CA-301 46.0000M-C
49.860000	SE3454-ND	.96	.80	.56	.51	.43	CA-301 49.8600M-C
50.000000	SE3455-ND	.96	.80	.56	.51	.43	CA-301 50.0000M-C
55.000000	SE3456-ND	.96	.80	.56	.51	.43	CA-301 55.000M-C
60.000000	SE3457-ND	1.11	.93	.64	.58	.49	CA-301 60.000M-C

Surface Mount Quartz Crystal Products

Package	FC-135	FC-255	MA-505	MA-506	MC-146	MC-156	MC-306	MC-405	MC-406
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-20°C ~ 70°C	-20°C ~ 70°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Maximum Drive Level	0.5µW	0.5µW	2mW	2mW	1.0µW	1.0µW	1.0µW	1.0µW	1.0µW
Frequency Tolerance	±20ppm @ 25°C	±20ppm @ 25°C	±50ppm @ 25°C	±50ppm @ 25°C	±20ppm @ 25°C	±20ppm @ 25°C	±20ppm @ 25°C	±20ppm @ 25°C	±20ppm @ 25°C
Load Capacitance	12.5pF	12.5pF	18pF	18pF	9pF	12.5pF	A=12.5pF, E=6pF	12.5pF	12.5pF
Series Resistance	70KΩ Max.	65KΩ Max.	—	—	65KΩ Max.	65KΩ Max.	50KΩ Max.	50KΩ Max.	50KΩ Max.
Shunt Capacitance	1.3pF Typ.	1.3pF Typ.	5pF Max.	5pF Max.	0.8pF	—	0.9pF Max.	0.85pF Typ.	0.85pF

Fig. 1

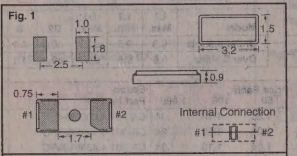


Fig. 2

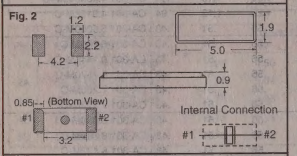


Fig. 3

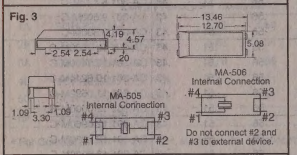


Fig. 4

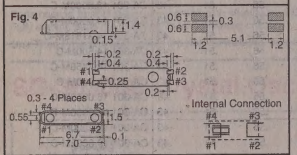


Fig. 5

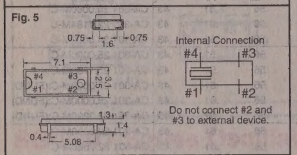


Fig. 6

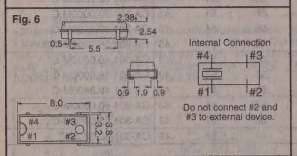


Fig. 7

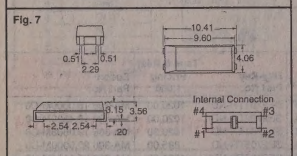
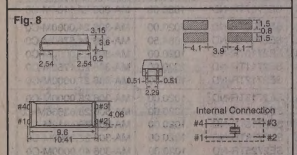


Fig. 8



Type	Dimensions (mm)			
	A	B	C	D
FC-135	1	1.7	1.8	—
FC-255	1.2	3.2	2.2	—
MA-505	4.09	7.01	5.61	—
MA-506	4.09	6.86	2.06	1.52
MC-146	1.2	5.1	0.6	0.3
MC-156	1.2	3.88	1.5	1
MC-306	1.3	4.2	1.9	1.3
MC-405	4.1	3.9	1.5	—
MC-406	4.1	3.9	1.5	0.8

Features: • Capable of withstanding reflow temperatures of 260°C for 20 seconds • Suitable for use in today's high density surface mount boards

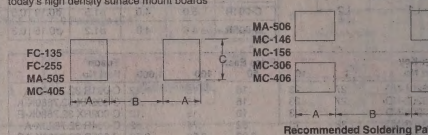
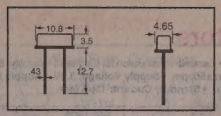


Fig.	Series	Frequency	Digi-Key Part No.	Cut Tape Price Each 1	10	50	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Epson Part No.
1	FC-135	32.76800kHz	SE2413CT-ND	2.98	2.55	2.13	1.92	SE2413TR-ND	250	355.00	FC-135 32.7680KA-A3
2	FC-255	32.76800kHz	SE2415CT-ND	1.86	1.59	1.33	1.20	SE2415TR-ND	250	220.00	FC-255 32.7680K-A3
3	MA-505	4.00000MHz	SE2518CT-ND	2.80	2.40	2.00	1.80	SE2518TR-ND	1,000	1330.00	MA-505 4.0000M-C0
		4.09600MHz	SE2519CT-ND	2.80	2.40	2.00	1.80	SE2519TR-ND	1,000	1330.00	MA-505 4.0960M-C0
		4.91520MHz	SE2520CT-ND	2.80	2.40	2.00	1.80	SE2520TR-ND	1,000	1330.00	MA-505 4.9152M-C0
		6.00000MHz	SE2501CT-ND	1.12	.96	.80	.72	SE2501TR-ND	1,000	530.00	MA-505 6.0000M-C0
		7.37280MHz	SE2503CT-ND	1.12	.96	.80	.72	SE2503TR-ND	1,000	530.00	MA-505 7.3728M-C0
		8.00000MHz	SE2504CT-ND	1.12	.96	.80	.72	SE2504TR-ND	1,000	530.00	MA-505 8.0000M-C0
		9.83000MHz	SE2524CT-ND	1.12	.96	.80	.72	SE2524TR-ND	1,000	530.00	MA-505 9.8304M-C0
		10.00000MHz	SE2505CT-ND	1.12	.96	.80	.72	SE2505TR-ND	1,000	530.00	MA-505 10.0000M-C0
		10.24000MHz	SE2525CT-ND	1.12	.96	.80	.72	SE2525TR-ND	1,000	530.00	MA-505 10.2400M-C0
		11.05920MHz	SE2506CT-ND	1.12	.96	.80	.72	SE2506TR-ND	1,000	530.00	MA-505 11.0592M-C0
		12.00000MHz	SE2507CT-ND	1.12	.96	.80	.72	SE2507TR-ND	1,000	530.00	MA-505 12.0000M-C0
		14.31800MHz	SE2528CT-ND	1.12	.96	.80	.72	SE2528TR-ND	1,000	530.00	MA-505 14.3180M-C0
		14.74560MHz	SE2529CT-ND	1.12	.96	.80	.72	SE2529TR-ND	1,000	530.00	MA-505 14.7456M-C0
		16.00000MHz	SE2508CT-ND	1.12	.96	.80	.72	SE2508TR-ND	1,000	530.00	MA-505 16.0000M-C0
		18.43200MHz	SE2533CT-ND	1.12	.96	.80	.72	SE2533TR-ND	1,000	530.00	MA-505 18.4320M-C0
		19.66000MHz	SE2535CT-ND	1.12	.96	.80	.72	SE2535TR-ND	1,000	530.00	MA-505 19.6600M-C0
		20.00000MHz	SE2509CT-ND	1.12	.96	.80	.72	SE2509TR-ND	1,000	530.00	MA-505 20.0000M-C0
		24.00000MHz	SE2510CT-ND	1.12	.96	.80	.72	SE2510TR-ND	1,000	530.00	MA-505 24.0000M-C0
		24.57600MHz	SE2538CT-ND	1.12	.96	.80	.72	SE2538TR-ND	1,000	530.00	MA-505 24.5760M-C0
		25.00000MHz	SE2539CT-ND	1.12	.96	.80	.72	SE2539TR-ND	1,000	530.00	MA-505 25.0000M-C0
		29.49120MHz	SE2543CT-ND	1.12	.96	.80	.72	SE2543TR-ND	1,000	530.00	MA-505 29.4912M-C0:(30T)
		30.00000MHz	SE2544CT-ND	1.12	.96	.80	.72	SE2544TR-ND	1,000	530.00	MA-505 30.0000M-C0
		32.76800MHz	SE2546CT-ND	1.12	.96	.80	.72	SE2546TR-ND	1,000	530.00	MA-505 32.7680M-C0
		33.33330MHz	SE2514CT-ND	1.12	.96	.80	.72	SE2514TR-ND	1,000	530.00	MA-505 33.3330M-C0
		36.00000MHz	SE2548CT-ND	1.12	.96	.80	.72	SE2548TR-ND	1,000	530.00	MA-505 36.0000M-C0
		40.00000MHz	SE2515CT-ND	1.12	.96	.80	.72	SE2515TR-ND	1,000	530.00	MA-505 40.0000M-C0
3	MA-506	4.00000MHz	SE2618CT-ND	2.80	2.40	2.00	1.80	SE2618TR-ND	1,000	1330.00	MA-506 4.0000M-C0
		4.09600MHz	SE2619CT-ND	2.80	2.40	2.00	1.80	SE2619TR-ND	1,000	1330.00	MA-506 4.0960M-C0
		4.91520MHz	SE2620CT-ND	2.80	2.40	2.00	1.80	SE2620TR-ND	1,000	1330.00	MA-506 4.9152M-C0
		6.00000MHz	SE2601CT-ND	1.12	.96	.80	.72	SE2601TR-ND	1,000	530.00	MA-506 6.0000M-C0
		6.14400MHz	SE2602CT-ND	1.12	.96	.80	.72	SE2602TR-ND	1,000	530.00	MA-506 6.1440M-C0
		7.37280MHz	SE2603CT-ND	1.12	.96	.80	.72	SE2603TR-ND	1,000	530.00	MA-506 7.3728M-C0
		8.00000MHz	SE2604CT-ND	1.12	.96	.80	.72	SE2604TR-ND	1,000	530.00	MA-506 8.0000M-C0
		9.83000MHz	SE2624CT-ND	1.12	.96	.80	.72	SE2624TR-ND	1,000	530.00	MA-506 9.8300M-C0
		10.00000MHz	SE2605CT-ND	1.12	.96	.80	.72	SE2605TR-ND	1,000	530.00	MA-506 10.0000M-C0
		10.24000MHz	SE2625CT-ND	1.12	.96	.80	.72	SE2625TR-ND	1,000	530.00	MA-506 10.2400M-C0
		11.00000MHz	SE2626CT-ND	1.12	.96	.80	.72	SE2626TR-ND	1,000	530.00	MA-506 11.0000M-C0
		11.05920MHz	SE2606CT-ND	1.12	.96	.80	.72	SE2606TR-ND	1,000	530.00	MA-506 11.0592M-C0
		12.00000MHz	SE2607CT-ND	1.12	.96	.80	.72	SE2607TR-ND	1,000	530.00	MA-506 12.0000M-C0
		12.28800MHz	SE2627CT-ND	1.12	.96	.80	.72	SE2627TR-ND	1,000	530.00	MA-506 12.2880M-C0
		14.31818MHz	SE2628CT-ND	1.12	.96	.80	.72	SE2628TR-ND	1,000	480.00	MA-506 14.31818M-C0
		14.74560MHz	SE2629CT-ND	1.12	.96	.80	.72	SE2629TR-ND	1,000	530.00	MA-506 14.7456M-C0
		15.00000MHz	SE2630CT-ND	1.12	.96	.80	.72	SE2630TR-ND	1,000	530.00	MA-506 15.0000M-C0
		16.00000MHz	SE2608CT-ND	1.12	.96	.80	.72	SE2608TR-ND	1,000	530.00	MA-506 16.0000M-C0
		16.25700MHz	SE2631CT-ND	1.12	.96	.80	.72	SE2631TR-ND	1,000	530.00	MA-506 16.2570M-C0
		18.00000MHz	SE2632CT-ND	1.12	.96	.80	.72	SE2632TR-ND	1,000	530.00	MA-506 18.0000M-C0
		18.43200MHz	SE2633CT-ND	1.12	.96	.80	.72	SE2633TR-ND	1,000	530.00	MA-506 18.4320M-C0
		19.66080MHz	SE2635CT-ND	1.12	.96	.80	.72	SE2635TR-ND	1,000	530.00	MA-506 19.6608M-C0
		20.00000MHz	SE2609CT-ND	1.12	.96	.80	.72	SE2609TR-ND	1,000	530.00	MA-506 20.0000M-C0
		20.48000MHz	SE2636CT-ND	1.12	.96	.80	.72	SE2636TR-ND	1,000	530.00	MA-506 20.4800M-C0
		22.11840MHz	SE2637CT-ND	1.12	.96	.80	.72	SE2637TR-ND	1,000	530.00	MA-506 22.1184M-C0
		24.00000MHz	SE2610CT-ND	1.12	.96	.80	.72	SE2610TR-ND	1,000	530.00	MA-506 24.0000M-C0
		24.57600MHz	SE2638CT-ND	1.12	.96	.80	.72	SE2638TR-ND	1,000	530.00	MA-506 24.5760M-C0
		25.00000MHz	SE2639CT-ND	1.12	.96	.80	.72	SE2639TR-ND	1,000	530.00	MA-506 25.0000M-C0
		27.00000MHz	SE2641CT-ND	1.12	.96	.80	.72	SE2641TR-ND	1,000	530.00	MA-506 27.0000M-C0:(FUND
		28.63600MHz	SE2642CT-ND	1.12	.96	.80	.72	SE2642TR-ND	1,000	530.00	MA-506 28.6360M-C0:(30T)
		33.00000MHz	SE2647CT-ND	1.12	.96	.80	.72	SE2647TR-ND	1,000	530.00	MA-506 33.0000M-C0
		40.00000MHz	SE2615CT-ND	1.12	.96	.80	.72	SE2615TR-ND	1,000	530.00	MA-506 40.0000M-C0
		48.00000MHz	SE2651CT-ND	1.12	.96	.80	.72	SE2651TR-ND	1,000	530.00	MA-506 48.0000M-C0
		50.00000MHz	SE2616CT-ND	1.12	.96	.80	.72	SE2616TR-ND	1,000	530.00	MA-506 50.0000M-C0
		64.00000MHz	SE2653CT-ND	1.23	1.05	.88	.79	SE2653TR-ND	1,000	530.00	MA-506 64.0000M-C0
4	MC-146	32.76800kHz	SE2418CT-ND	1.40	1.20	1.00	.90	SE2416TR-ND	250	167.50	MC-146 32.768KA-AC3
5	MC-156	32.76800kHz	SE2412CT-ND	1.30	1.11	.93	.84	SE2412TR-ND	1,000	620.00	MC-156 32.7680KA-A0
6	MC-306	32.76800kHz	SE2407CT-ND	.95	.81	.68	.61	SE2407TR-ND	1,000	450.00	MC-306 32.7680K-A0
			SE2417CT-ND	.95	.81	.68	.61	SE2417TR-ND	250	112.50	MC-306 32.768K-E3
7	MC-405	32.76800kHz	SE2405CT-ND	.95	.81	.68	.61	SE2405TR-ND	1,000	450.00	MC-405 32.7680K-A0
8	MC-406	32.76800kHz	SE2418CT-ND	.95	.81	.68	.61	SE2418TR-ND	250	112.50	MC-406 32.768K-A3

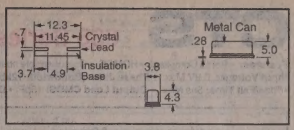
CTS ATS Series Crystals



ifications:
quency Tolerance: ±50ppm • **Shunt Capacitance:** 7pF
• **Drive Level:** 100µW • **Operating Temperature:** 0°C ~
• **Operating Mode:** Fundamental

quency (MHz)	Load Capacitance	Digi-Key Part No.	Price Each 1	10	50	100	CTS Part No.
579545	18.0pF	CTX400-ND	1.31	1.14	1.03	.72	ATS036
686400	20.0pF	CTX401-ND	1.31	1.14	1.03	.72	ATS037
000000	20.0pF	CTX402-ND	1.31	1.14	1.03	.72	ATS040
915200	20.0pF	CTX403-ND	1.31	1.14	1.03	.72	ATS042
068800	20.0pF	CTX404-ND	1.31	1.14	1.03	.72	ATS050
000000	20.0pF	CTX405-ND	1.31	1.14	1.03	.72	ATS060
000000	20.0pF	CTX406-ND	1.31	1.14	1.03	.72	ATS08A
830400	20.0pF	CTX407-ND	1.31	1.14	1.03	.72	ATS098
000000	Series	CTX408-ND	1.31	1.14	1.03	.72	ATS100
059200	20.0pF	CTX409-ND	1.31	1.14	1.03	.72	ATS111
000000	Series	CTX410-ND	1.31	1.14	1.03	.72	ATS120
288000	20.0pF	CTX411-ND	1.31	1.14	1.03	.72	ATS122
318180	Series	CTX412-ND	1.31	1.14	1.03	.72	ATS143
360000	20.0pF	CTX413-ND	1.31	1.14	1.03	.72	ATS15A
000000	Series	CTX414-ND	1.31	1.14	1.03	.72	ATS160
000000	20.0pF	CTX415-ND	1.31	1.14	1.03	.72	ATS16A
000000	Series	CTX416-ND	1.31	1.14	1.03	.72	ATS200
480000	20.0pF	CTX417-ND	1.69	1.47	1.33	.92	ATS204
576000	Series	CTX418-ND	1.69	1.47	1.33	.92	ATS245
000000	Series	CTX419-ND	1.69	1.47	1.33	.92	ATS250
INS-ND	Base Insulator		$.90/10				$7.50/100

ATS-SM Series Crystals



Specifications:
• **Frequency Tolerance:** ±50ppm • **Shunt Capacitance:** 7.0pF Max. • **Drive Level:** 100µW • **Operating Temperature:** 0°C ~ 70°C • **Operating Mode:** Fundamental

Frequency (MHz)	Load Cap.	Digi-Key Part No.	Bulk Price Each 1	10	50	100	Digi-Key Part No.	T & R Pricing 1,000	CTS Part No.
3.579545	18.0pF	CTX500-ND	1.50	1.30	1.13	.79	CTX500TR-ND	540.00	ATS036SM-T
3.686400	20.0pF	CTX501-ND	1.50	1.30	1.13	.79	CTX501TR-ND	540.00	ATS037SM-T
4.000000	20.0pF	CTX502-ND	1.50	1.30	1.13	.79	CTX502TR-ND	540.00	ATS040SM-T
4.915200	20.0pF	CTX503-ND	1.50	1.30	1.13	.79	CTX503TR-ND	540.00	ATS042SM-T
5.068800	20.0pF	CTX504-ND	1.50	1.30	1.13	.79	CTX504TR-ND	540.00	ATS050SM-T
6.000000	20.0pF	CTX505-ND	1.50	1.30	1.13	.79	CTX505TR-ND	540.00	ATS060SM-T
8.000000	20.0pF	CTX506-ND	1.50	1.30	1.13	.79	CTX506TR-ND	540.00	ATS08ASM-T
9.830400	20.0pF	CTX507-ND	1.50	1.30	1.13	.79	CTX507TR-ND	540.00	ATS098SM-T
10.000000	Series	CTX508-ND	1.50	1.30	1.13	.79	CTX508TR-ND	540.00	ATS100SM-T
11.059200	20.0pF	CTX509-ND	1.50	1.30	1.13	.79	CTX509TR-ND	540.00	ATS111SM-T
12.000000	Series	CTX510-ND	1.50	1.30	1.13	.79	CTX510TR-ND	540.00	ATS120SM-T
12.288000	20.0pF	CTX511-ND	1.50	1.30	1.13	.79	CTX511TR-ND	540.00	ATS122SM-T
14.318180	Series	CTX512-ND	1.50	1.30	1.13	.79	CTX512TR-ND	540.00	ATS143SM-T
15.360000	20.0pF	CTX513-ND	1.50	1.30	1.13	.79	CTX513TR-ND	540.00	ATS15ASM-T
16.000000	Series	CTX514-ND	1.50	1.30	1.13	.79	CTX514TR-ND	540.00	ATS160SM-T
20.000000	Series	CTX515-ND	1.50	1.30	1.13	.79	CTX515TR-ND	540.00	ATS200SM-T
20.480000	20.0pF	CTX516-ND	1.88	1.63	1.43	1.00	CTX516TR-ND	680.00	ATS204SM-T
24.576000	Series	CTX517-ND	1.88	1.63	1.43	1.00	CTX517TR-ND	680.00	ATS245SM-T

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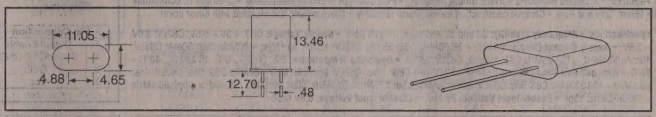
icroprocessor ystals

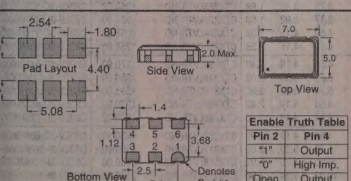
ifications: • **Frequency Tolerance:** ±50ppm • **Temperature Stability:** 5% (±50ppm) @ 25°C • Fully hermetic resistance weld package • Low start-sistance



uency (Hz)	Load Capacit.	Usage	Digi-Key Part No.	Price Each 1	10	100	CTS Part No.
43200	13.0pF	—	CTX067-ND	3.22	2.69	1.97	MP018S
30000	20.0pF	—	CTX068-ND	3.22	2.69	1.97	MP020S
57600	32.0pF	—	CTX069-ND	2.08	1.74	1.27	MP024S
79545	18.0pF	MM5369 (Color Burst), IM6102, PPS 8, MC6801, MC6802, MC6803, MC6809, CDP1802, CDP1802C, CDP1804, CDP1804C	CTX049-ND	.94	.79	.57	MP036S
36400	20.0pF	—	CTX071-ND	.94	.79	.57	MP037
00000	Series	Pace, MC6875, Z80, Z80A, TMS9940	CTX080-ND	.94	.79	.57	MP04A
00000	20.0pF	MCS40, 4004, 4040, 4201; MC6802, 6808, 6809; MK3870, 3872, 3876, 3883; IM6102, CDP1802, 1802C, 1804, 1804C	CTX006-ND	.94	.79	.57	MP040
94304	12.0pF	ICM7038, ICM7049, ICM7213, CDP1802, CDP1802C, CDP1804, CDP1804C	CTX007-ND	.94	.79	.57	MP041
15200	20.0pF	CDP1802, CDP1802C, CDP1804, CDP1804C	CTX050-ND	.94	.79	.57	MP042
00000	Series	CDP1802, CDP1802C, CDP1803, CDP1804, CDP1804C, TMS9985, 9940, IM6100A	CTX081-ND	.94	.79	.57	MP05B
00000	20.0pF	General Purpose, CDP1802, CDP1802C, CDP1804, CDP1804C	CTX051-ND	.94	.79	.57	MP05A
38800	Series	COM5016, COM5016T Dual Brg.	CTX052-ND	.94	.79	.57	MP050
00000	20.0pF	MCS48, MCS8035, MCS8041, MCS8048, MCS8741, MCS8748, IM8048, IM8748, CDP1802, CDP1802C, CDP1804, CDP1804C, MC68A09	CTX026-ND	.94	.79	.57	MP060
44000	20.0pF	MCS8086, MCS85, CDP1802, CDP1802C, CDP1804, CDP1804C	CTX054-ND	.94	.79	.57	MP061
72800	Series	—	CTX074-ND	.94	.79	.57	MP073
00000	Series	8 x 300, MC6875, MC68000, AMZ8000, Z8000	CTX056-ND	.94	.79	.57	MP080
00000	20.0pF	IM6100A, CDP1807, Z8, 9940 B, MC68B09	CTX082-ND	.94	.79	.57	MP080A
80400	20.0pF	General Purpose	CTX084-ND	.94	.79	.57	MP098
00000	Series	General Purpose	CTX057-ND	.94	.79	.57	MP100
00000	30.0pF	MCS85, MCS8085A 2, MC9940 10	CTX083-ND	.94	.79	.57	MP101
38635	32.0pF	TI9918A	CTX085-ND	.94	.79	.57	MP107
00000	18.0pF	MCS48, MCS8039, MCS8049	CTX086-ND	.94	.79	.57	MP110
59200	Series	—	CTX078-ND	.94	.79	.57	MP111
00000	Series	MCS86, MCS8086/8284, MCS8202 RAM Controller, MCS9940-12	CTX058-ND	.94	.79	.57	MP120
88000	32.0pF	General Purpose	CTX087-ND	.94	.79	.57	MP122
18180	Series	General Purpose	CTX088-ND	.94	.79	.57	MP143
45600	Series	General Purpose	CTX089-ND	.94	.79	.57	MP147
00000	Series	MCS86, MCS8086/8284, MCS8202 RAM Controller	CTX059-ND	.94	.79	.57	MP150
00000	Series	General Purpose	CTX077-ND	.94	.79	.57	MP160
32000	Series	MCS80, MCS8080A/8224	CTX061-ND	.94	.79	.57	MP184
60800	Series	General Purpose	CTX090-ND	.94	.79	.57	MP196
00000	Series	MCS80, MCS8080A/8224	CTX062-ND	.94	.79	.57	MP200
18400	Series	MCS80, MCS8080A/8224	CTX063-ND	1.51	1.26	.92	MP221
00000	Series	MCS86, MCS8086, MCS8284	CTX091-ND	1.51	1.26	.92	MP240
76000	Series	General Purpose	CTX092-ND	1.51	1.26	.92	MP245
00000	Series	8202 RAM Controller	CTX093-ND	1.51	1.26	.92	MP250
INS-ND	Base Insulator						$.90/10 $7.50/100

7L Series Surface Mount VCXO

ifications: • **Output Voltage Level:** Logic "1" Minimum 0.9V; Logic "0" Max. 0.1V • **Output Transition and Fall Time:** 5.0ns • **Output Duty Cycle (SYM):** 45% Minimum, 55% Max. @ 50% level • **Phase Jitter dwidth 12kHz-20MHz):** 1ps RMS Max. • **Linearity:** 10% • **Input Impedance:** 50kΩ Minimum. • **Modulation off:** 10kHz @ -3dB



Pin Connection	
1	Control Voltage
2	Tri-State Enable
3	Circuit/Package Ground
4	RF Output
5	Not Connected Internally
6	Supply Voltage

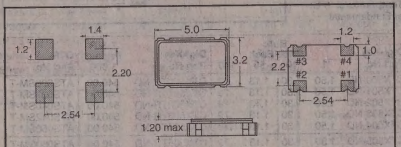
Enable Truth Table	
Pin 2	Pin 4
"1"	Output
"0"	High Imp.
Open	Output

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing* 1,000	CTS Part No.
1.5440	CTX630CT-ND	6.86	5.49	4.58	2654.00	357LB3I001M5440
4.0960	CTX626CT-ND	6.86	5.49	4.58	2654.00	357LB3I004M0960
6.1760	CTX631CT-ND	6.86	5.49	4.58	2654.00	357LB3I006M1760
16.3840	CTX632CT-ND	6.86	5.49	4.58	2654.00	357LB3I016M3840
19.4400	CTX627CT-ND	6.86	5.49	4.58	2654.00	357LB3I019M4400
20.0000	CTX633CT-ND	6.86	5.49	4.58	2654.00	357LB3I020M0000
27.0000	CTX634CT-ND	6.86	5.49	4.58	2654.00	357LB3I027M0000
32.7680	CTX635CT-ND	6.86	5.49	4.58	2654.00	357LB3I032M7680
35.3280	CTX628CT-ND	6.86	5.49	4.58	2654.00	357LB3I035M3280
38.8800	CTX636CT-ND	6.86	5.49	4.58	2654.00	357LB3I038M8800
40.0000	CTX637CT-ND	7.24	5.79	4.83	2799.00	357LB3I040M0000
44.7360	CTX629CT-ND	7.24	5.79	4.83	2799.00	357LB3I044M7360

* For Tape & Reel Part No., change CT-ND to TR-ND.

CTS® 636 Series SMD Clock Oscillators

Features: • RoHS Compliant • HCMOS • Output enable standard • Standard 5x3.2mm surface mount footprint • Ceramic construction for long-term reliability **Specifications:** • **Enable Input Voltage:** 2V Minimum • **Disable Input Voltage:** 0.8V Max. • **Phase Jitter (Bandwidth 12kHz-20MHz):** 1ps RMS Max. •**Frequency Tolerance:** ±50ppm • **Supply Voltage:** 3.3V • **Supply Current:** 20mA Max. • **Operating Temperature:** -20°C ~ 70°C • **Rise/Fall Time:** 5ns Max. • **Output Load CMOS:** 15pF • **Duty Cycle:** 45% ~ 55% • **Start-up Time:** 10ms Max. • **Stand-by Current:** 15µA Max.



Pin Connection	
1	Enable
2	Circuit/Pkg. Gnd.
3	RF Output
4	Supply Voltage

Enable Truth Table	
Pin 1	Pin 3
"1"	Output
"0"	High Imp.
Open	Output

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	CTS Part No.
14.31818	CTX689CT-ND	5.06	4.05	3.38	CTX689TR-ND	1958.00	636L3C014M31818
14.74560	CTX690CT-ND	5.06	4.05	3.38	CTX690TR-ND	1958.00	636L3C014M74560
16.00000	CTX691CT-ND	3.92	3.14	2.61	CTX691TR-ND	1514.00	636L3C016M00000
16.38400	CTX692CT-ND	3.92	3.14	2.61	CTX692TR-ND	1514.00	636L3C016M38400
18.43200	CTX693CT-ND	3.92	3.14	2.61	CTX693TR-ND	1514.00	636L3C018M43200
20.00000	CTX694CT-ND	3.92	3.14	2.61	CTX694TR-ND	1514.00	636L3C020M00000
20.48000	CTX695CT-ND	3.92	3.14	2.61	CTX695TR-ND	1514.00	636L3C020M48000
24.00000	CTX696CT-ND	3.92	3.14	2.61	CTX696TR-ND	1514.00	636L3C024M00000
25.00000	CTX697CT-ND	3.92	3.14	2.61	CTX697TR-ND	1514.00	636L3C025M00000
32.00000	CTX698CT-ND	4.88	3.90	3.25	CTX698TR-ND	1885.00	636L3C032M00000
32.76800	CTX699CT-ND	3.92	3.14	2.61	CTX699TR-ND	1514.00	636L3C032M76800
33.00000	CTX700CT-ND	3.92	3.14	2.61	CTX700TR-ND	1514.00	636L3C033M00000
44.00000	CTX701CT-ND	3.92	3.14	2.61	CTX701TR-ND	1514.00	636L3C044M00000
48.00000	CTX702CT-ND	3.92	3.14	2.61	CTX702TR-ND	1514.00	636L3C048M00000
75.00000	CTX703CT-ND	5.44	4.35	3.63	CTX703TR-ND	2103.00	636L3C075M00000

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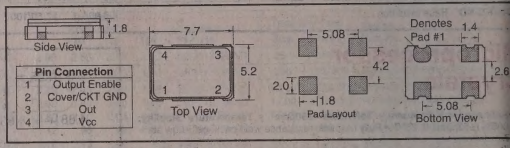
Surface Mount Clock Oscillator

Features: • Standard miniature surface mount footprint • PCMCIA Type II and III compatible • C-MOS/TTL compatible • 16mm Tape and Reel • Ceramic construction for long-term reliability • Seam welded and shielded with Kovar cover

Specifications: • **Frequency Stability:** 3C and 3I: ±50 ppm, 5I: ±25 ppm • **Supply Voltage:** CB3: 4.5V ~ 5.5V; CB3LV: 3.0V ~ 3.6V • **Supply Current (Max.):** 1.5MHz ~ 20.00MHz CB3: 25mA; CB3LV: 12mA; 20.1MHz ~ 80MHz CB3: 50mA; CB3LV: 40mA; 80.1MHz ~ 133.33MHz CB3: 100mA; CB3LV: 60mA • **Operating Temperature:** 3C: -20°C ~ 70°C 3I and 5I: -40°C ~ 85°C • **Rise and Fall Time (Max.):** 1.5MHz ~ 20.00MHz CB3: 10ns; CB3LV: 8ns; 20.1MHz ~ 80MHz CB3: 8ns; CB3LV: 4ns; 80.1MHz ~ 133.333MHz CB3: 5ns; CB3LV: 3ns • **Output Load:** 1.5MHz ~ 50.0MHz: 50pf; 50.1MHz ~ 80.0MHz:30pf; 80.1MHz ~ 133.333MHz: 15pF • **Enable Input Voltage:** 2V Min. • **Disable Input Voltage:** 0.8V Max.



Pin Connection	
1	Output Enable
2	Cover/CKT GND
3	Out
4	Vcc

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 1,000	CTS Part No.
CB3 Surface Mount Clock Oscillators							
1.544000	CTX290CT-ND	4.50	4.15	2.38	CTX290TR-ND	1258.95	CB3-3C-1M5440-T
1.843200	CTX291CT-ND	4.50	4.15	2.38	CTX291TR-ND	1258.95	CB3-3C-1M8432-T
3.686400	CTX260CT-ND	3.75	3.46	1.99	CTX260TR-ND	1050.23	CB3-3C-3M6864-T
4.000000	CTX261CT-ND	4.50	4.15	2.38	CTX261TR-ND	1258.95	CB3-3C-4M0000-T
6.176000	CTX262CT-ND	4.50	4.15	2.38	CTX262TR-ND	1258.95	CB3-3C-6M1760-T
7.372800	CTX263CT-ND	4.50	4.15	2.38	CTX263TR-ND	1258.95	CB3-3C-7M3728-T
8.000000	CTX264CT-ND	4.50	4.15	2.38	CTX264TR-ND	1258.95	CB3-3C-8M0000-T
10.000000	CTX265CT-ND	4.50	4.15	2.38	CTX265TR-ND	1258.95	CB3-3C-10M0000-T
12.000000	CTX292CT-ND	4.50	4.15	2.38	CTX292TR-ND	1258.95	CB3-3C-12M0000-T
12.288000	CTX266CT-ND	4.50	4.15	2.38	CTX266TR-ND	1258.95	CB3-3C-12M2880-T
12.352000	CTX267CT-ND	4.50	4.15	2.38	CTX267TR-ND	1258.95	CB3-3C-12M3520-T
14.318180	CTX268CT-ND	4.50	4.15	2.38	CTX268TR-ND	1258.95	CB3-3C-14M31818-T
15.360000	CTX269CT-ND	4.50	4.15	2.38	CTX269TR-ND	1258.95	CB3-3C-15M3600-T
16.000000	CTX270CT-ND	4.50	4.15	2.38	CTX270TR-ND	1258.95	CB3-3C-16M0000-T
16.000000	CTX304CT-ND	4.50	4.15	2.38	CTX304TR-ND	1259.00	CB3-3I-16M0000-T
16.384000	CTX271CT-ND	4.50	4.15	2.38	CTX271TR-ND	1258.95	CB3-3C-16M3840-T
18.432000	CTX293CT-ND	4.50	4.15	2.38	CTX293TR-ND	1258.95	CB3-3C-18M4320-T
18.432000	CTX300CT-ND	5.70	5.25	3.02	CTX300TR-ND	1595.00	CB3-3I-18M4320-T
19.440000	CTX272CT-ND	4.50	4.15	2.38	CTX272TR-ND	1258.95	CB3-3C-19M4400-T
20.000000	CTX273CT-ND	3.75	3.46	1.99	CTX273TR-ND	1050.23	CB3-3C-20M0000-T
20.000000	CTX306CT-ND	3.17	2.92	1.68	CTX306TR-ND	887.00	CB3-3I-20M0000-T
20.480000	CTX274CT-ND	4.50	4.15	2.38	CTX274TR-ND	1258.95	CB3-3C-20M4800-T
24.000000	CTX294CT-ND	4.50	4.15	2.38	CTX294TR-ND	1258.95	CB3-3C-24M0000-T
24.704000	CTX275CT-ND	4.50	4.15	2.38	CTX275TR-ND	1258.95	CB3-3C-24M7040-T
25.000000	CTX276CT-ND	3.75	3.46	1.99	CTX276TR-ND	1050.23	CB3-3C-25M0000-T
29.491200	CTX295CT-ND	4.50	4.15	2.38	CTX295TR-ND	1258.95	CB3-3C-29M4912-T
30.000000	CTX296CT-ND	4.50	4.15	2.38	CTX296TR-ND	1258.95	CB3-3C-30M0000-T
32.000000	CTX277CT-ND	3.75	3.46	1.99	CTX277TR-ND	1050.23	CB3-3C-32M0000-T
32.768000	CTX278CT-ND	4.50	4.15	2.38	CTX278TR-ND	1258.95	CB3-3C-32M7680-T
33.333000	CTX279CT-ND	3.75	3.46	1.99	CTX279TR-ND	1050.23	CB3-3C-33M3330-T
40.000000	CTX280CT-ND	3.75	3.46	1.99	CTX280TR-ND	1050.23	CB3-3C-40M0000-T
40.000000	CTX314CT-ND	5.08	4.69	2.69	CTX314TR-ND	1422.00	CB3-3I-40M0000-T
44.736000	CTX281CT-ND	4.50	4.15	2.38	CTX281TR-ND	1258.95	CB3-3C-44M7360-T
45.000000	CTX297CT-ND	4.50	4.15	2.38	CTX297TR-ND	1258.95	CB3-3C-45M0000-T
49.152000	CTX282CT-ND	4.50	4.15	2.38	CTX282TR-ND	1258.95	CB3-3C-49M1520-T
50.000000	CTX283CT-ND	3.75	3.46	1.99	CTX283TR-ND	1050.23	CB3-3C-50M0000-T
51.840000	CTX284CT-ND	4.50	4.15	2.38	CTX284TR-ND	1258.95	CB3-3C-51M8400-T
60.000000	CTX285CT-ND	4.50	4.15	2.38	CTX285TR-ND	1258.95	CB3-3C-60M0000-T
64.000000	CTX286CT-ND	4.54	4.19	2.40	CTX286TR-ND	1270.92	CB3-3C-64M0000-T
66.666600	CTX287CT-ND	4.54	4.19	2.40	CTX287TR-ND	1270.92	CB3-3C-66M6666-T
72.000000	CTX288CT-ND	4.54	4.19	2.40	CTX288TR-ND	1270.92	CB3-3C-72M0000-T
80.000000	CTX289CT-ND	4.54	4.19	2.40	CTX289TR-ND	1270.92	CB3-3C-80M0000-T
CB3LV Surface Mount Clock Oscillators							
1.544000	CTX290LVCT-ND	5.08	4.69	2.69	CTX290LVTR-ND	1258.95	CB3LV-3C-1M5440-T
1.843200	CTX291LVCT-ND	5.08	4.69	2.69	CTX291LVTR-ND	1422.47	CB3LV-3C-1M8432-T
3.686400	CTX260LVCT-ND	3.75	3.46	1.99	CTX260LVTR-ND	1050.23	CB3LV-3C-3M6864-T
4.000000	CTX261LVCT-ND	5.08	4.69	2.69	CTX261LVTR-ND	1422.47	CB3LV-3C-4M0000-T
6.176000	CTX262LVCT-ND	4.50	4.15	2.38	CTX262LVTR-ND	1258.95	CB3LV-3C-6M1760-T
7.372800	CTX263LVCT-ND	4.50	4.15	2.38	CTX263LVTR-ND	1258.95	CB3LV-3C-7M3728-T
7.372800	CTX325LVCT-ND	5.08	4.69	2.69	CTX325LVTR-ND	1498.00	CB3LV-3I-7M3728-T
8.000000	CTX264LVCT-ND	4.50	4.15	2.38	CTX264LVTR-ND	1258.95	CB3LV-3C-8M0000-T
8.000000	CTX301LVCT-ND	5.08	4.69	2.69	CTX301LVTR-ND	1422.00	CB3LV-3I-8M0000-T
8.192000	CTX302LVCT-ND	5.08	4.69	2.69	CTX302LVTR-ND	1422.00	CB3LV-3I-8M1920-T

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	Digi-Key Part No.	Tape & Reel Pricing 1,000	CTS Part No.
CB3LV Surface Mount Clock Oscillators							
10.000000	CTX265LVCT-ND	4.50	4.15	2.38	CTX265LVTR-ND	1258.95	CB3LV-3C-10M0000-T
12.000000	CTX292LVCT-ND	4.50	4.15	2.38	CTX292LVTR-ND	1258.95	CB3LV-3C-12M0000-T
12.000000	CTX303LVCT-ND	5.70	5.25	3.02	CTX303LVTR-ND	1595.00	CB3LV-3I-12M0000-T
12.288000	CTX266LVCT-ND	4.50	4.15	2.38	CTX266LVTR-ND	1258.95	CB3LV-3C-12M2880-T
12.352000	CTX267LVCT-ND	4.50	4.15	2.38	CTX267LVTR-ND	1258.95	CB3LV-3C-12M3520-T
14.318180	CTX268LVCT-ND	4.50	4.15	2.38	CTX268LVTR-ND	1258.95	CB3LV-3C-14M31818-T
15.360000	CTX269LVCT-ND	4.50	4.15	2.38	CTX269LVTR-ND	1258.95	CB3LV-3C-15M3600-T
16.000000	CTX270LVCT-ND	4.50	4.15	2.38	CTX270LVTR-ND	1258.95	CB3LV-3C-16M0000-T
16.384000	CTX271LVCT-ND	4.50	4.15	2.38	CTX271LVTR-ND	1258.95	CB3LV-3C-16M3840-T
16.384000	CTX321LVCT-ND	5.87	5.41	3.11	CTX321LVTR-ND	1643.00	CB3LV-5I-16M3840-T
18.432000	CTX293LVCT-ND	4.50	4.15	2.38	CTX293LVTR-ND	1258.95	CB3LV-3C-18M4320-T
18.432000	CTX305LVCT-ND	5.08	4.69	2.69	CTX305LVTR-ND	1422.00	CB3LV-3I-18M4320-T
19.440000	CTX272LVCT-ND	4.50	4.15	2.38	CTX272LVTR-ND	1258.95	CB3LV-3C-19M4400-T
20.000000	CTX273LVCT-ND	3.75	3.46	1.99	CTX273LVTR-ND	1050.23	CB3LV-3C-20M0000-T
20.000000	CTX306LVCT-ND	5.08	4.69	2.69	CTX306LVTR-ND	1422.00	CB3LV-3I-20M0000-T
20.000000	CTX322LVCT-ND	5.87	5.41	3.11	CTX322LVTR-ND	1643.00	CB3LV-5I-20M0000-T
20.480000	CTX274LVCT-ND	4.50	4.15	2.38	CTX274LVTR-ND	1258.95	CB3LV-3C-20M4800-T
24.000000	CTX294LVCT-ND	4.50	4.15	2.38	CTX294LVTR-ND	1258.95	CB3LV-3C-24M0000-T
24.000000	CTX307LVCT-ND	4.50	4.15	2.38	CTX307LVTR-ND	1259.00	CB3LV-3I-24M0000-T
24.576000	CTX326LVCT-ND	5.08	4.69	2.69	CTX326LVTR-ND	1498.00	CB3LV-3I-24M5760-T
24.704000	CTX275LVCT-ND	4.50	4.15	2.38	CTX275LVTR-ND	1258.95	CB3LV-3C-24M7040-T
25.000000	CTX276LVCT-ND	3.75	3.46	1.99	CTX276LVTR-ND	1050.23	CB3LV-3C-25M0000-T
25.000000	CTX308LVCT-ND	2.90	2.67	1.54	CTX308LVTR-ND	811.00	CB3LV-3I-25M0000-T
25.000000	CTX323LVCT-ND	5.87	5.41	3.11	CTX323LVTR-ND	1643.00	CB3LV-5I-25M0000-T
27.000000	CTX324LVCT-ND	4.19	3.87	2.22	CTX324LVTR-ND	1643.00	CB3LV-5I-27M0000-T
29.491200	CTX295LVCT-ND	4.50	4.15	2.38	CTX295LVTR-ND	1258.95	CB3LV-3C-29M4912-T
30.000000	CTX296LVCT-ND	4.50	4.15	2.38	CTX296LVTR-ND	1258.95	CB3LV-3C-30M0000-T
30.000000	CTX309LVCT-ND	3.42	3.15	1.81	CTX309LVTR-ND	957.00	CB3LV-3I-30M0000-T
32.000000	CTX277LVCT-ND	3.75	3.46	1.99	CTX277LVTR-ND	1050.23	CB3LV-3C-32M0000-T
32.000000	CTX310LVCT-ND	5.08	4.69	2.69	CTX310LVTR-ND	1422.00	CB3LV-3I-32M0000-T
32.768000	CTX278LVCT-ND	4.50	4.15	2.38	CTX278LVTR-ND	1258.95	CB3LV-3C-32M7680-T
32.768000	CTX311LVCT-ND	5.08	4.69	2.69	CTX311LVTR-ND	1422.00	CB3LV-3I-32M7680-T
33.000000	CTX312LVCT-ND	4.50	4.15	2.38	CTX312LVTR-ND	1259.00	CB3LV-3I-33M0000-T
33.333000	CTX279LVCT-ND	3.75	3.46	1.99	CTX279LVTR-ND	1050.23	CB3LV-3C-33M3330-T
33.333300	CTX313LVCT-ND	5.08	4.69	2.69	CTX313LVTR-ND	1422.00	CB3LV-3I-33M3333-T
40.000000	CTX280LVCT-ND	3.75	3.46	1.99	CTX280LVTR-ND	1050.23	CB3LV-3C-40M0000-T
40.000000	CTX314LVCT-ND	4.50	4.15	2.38	CTX314LVTR-ND	1259.00	CB3LV-3I-40M0000-T
44.736000	CTX281LVCT-ND	4.50	4.15	2.38	CTX281LVTR-ND	1258.95	CB3LV-3C-44M7360-T
45.000000	CTX297LVCT-ND	4.50	4.15	2.38	CTX297LVTR-ND	1258.95	CB3LV-3C-45M0000-T
48.000000	CTX315LVCT-ND	3.17	2.92	1.68	CTX315LVTR-ND	887.00	CB3LV-3I-48M0000-T
49.152000	CTX282LVCT-ND	4.50	4.15	2.38	CTX282LVTR-ND	1258.95	CB3LV-3C-49M1520-T
50.000000	CTX283LVCT-ND	3.75	3.46	1.99	CTX283LVTR-ND	1050.23	CB3LV-3C-50M0000-T
50.000000	CTX327LVCT-ND	3.17	2.92	1.68	CTX327LVTR-ND	934.00	CB3LV-3I-50M0000-T
51.840000	CTX284LVCT-ND	4.50	4.15	2.38	CTX284LVTR-ND	1258.95	CB3LV-3C-51M8400-T
60.000000	CTX285LVCT-ND	4.50	4.15	2.38	CTX285LVTR-ND	1258.95	CB3LV-3C-60M0000-T
64.000000	CTX286LVCT-ND	4.54	4.19	2.40	CTX286LVTR-ND	1270.92	CB3LV-3C-64M0000-T
64.000000	CTX328LVCT-ND	5.70	5.25	3.02	CTX328LVTR-ND	1680.00	CB4LV-3I-64M0000-T
66.000000	CTX316LVCT-ND	5.70	5.25	3.02	CTX316LVTR-ND	1595.00	CB3LV-3I-66M0000-T
66.666600	CTX287LVCT-ND	4.54	4.19	2.40	CTX287LVTR-ND	1270.92	CB3LV-3C-66M6666-T
72.000000	CTX288LVCT-ND	4.54	4.19	2.40	CTX288LVTR-ND	1270.92	CB3LV-3C-72M0000-T
80.000000	CTX289LVCT-ND	4.54	4.19	2.40	CTX289LVTR-ND	1270.92	CB3LV-3C-80M0000-T
80.000000	CTX317LVCT-ND	5.70	5.25	3.02	CTX317LVTR-ND	1595.00	CB3LV-3I-80M0000-T
100.000000	CTX318LVCT-ND	9.50	8.75	5.02	CTX318LVTR-ND	2659.00	CB3LV-3I-100M0000-T
125.000000	CTX319LVCT-ND	10.03	9.24	5.30	CTX319LVTR-ND	2806.00	CB3LV-3I-125M0000-T
133.330000	CTX320LVCT-ND	14.01	12.91	7.41	CTX320LVTR-ND	3922.00	CB3LV-3I-133M3300-T

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CTS MXO45 Clock Oscillators

andard Output

equency Tolerance: ±100ppm, 0°C ~ 70°C
MOS compatible • Fully hermetically-sealed
kage • 8/14-pin compatible • Drives up to
standard TTL Loads • Input Voltage: +5V DC
V

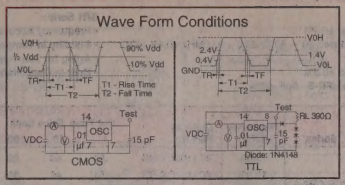
i-State Output

State Logic uses the two standard logic levels of
(logic 1) and low (logic 0) but has added a third
e that is not a logic level but an open circuit con-
n that effectively disconnects the output from
circuit with a high impedance (floating) state,
eby enabling the use of numerous oscillators on the same bus line. Also, by using the enable pin to control the output, the
tal is still running even when the output is disabled (stand-by mode), thus eliminating any start-up time for the oscillator.

CTS HCMOS/TTL products utilize an Application Specific Integrated Circuit (ASIC) design strategy. Employing a single
gn family supporting both HCMOS/TTL applications helps in reducing costs and lead times. Utilizing ASIC technology
ces the number of components inside the XO (crystal oscillator), thus increasing reliability and further reducing cost.

tures: • CMOS/TTL compatible • Drives up to 10 standard TTL loads • 100ppm tolerance • Tri-State output • Fully
netic resistance weld package

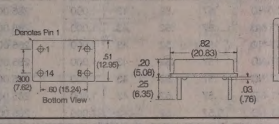
Wave Form Conditions



Parameter	Symbol	Condition	Minimum	Typical	Maximum	Units
Supply Voltage	VCC	—	4.5	5	5.5	V
Supply Current	ICC	1.0 ~ 7.0MHz	—	5	12	mA
	—	>7.0 ~ 25MHz	—	15	25	mA
	—	>25 ~ 50MHz	—	30	40	mA
Output Load	—	—	—	—	10	TTL
Output Current	IOH	VOH= 3.9V	—	—	-16	mA
	IOH	VOH= 0.4V	—	—	16	mA
Symmetry	Duty	1.0 ~ 50MHz	45	—	55	%
		>50 ~ 70MHz	40	—	60	%
Rise & Fall Time	Tr/Tf	1.0 ~ 25MHz	—	5	8	ns
	Tr/Tf	>25 ~ 70MHz	—	3	5	ns
Enable Input V	VIH	—	2	—	—	V
	VIL	—	—	—	0.8	V
Enable Input Load	Cin	—	—	—	10	pF
Tri-state Leakage	Iz	VIL= 0.8V	—	—	0.05	mA
Jitter	—	Peak-Peak	—	30	50	ps
Temperature			0°C ~ 70°C			

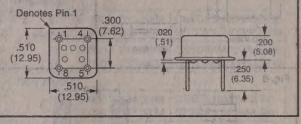
ull Size

Pin Connection	
1	O/E Tri-State) NC (Standard)
7	Ground
8	Output
14	+5V DC



Half Size

Pin Connection	
1	O/E Tri-State) NC (Standard)
4	Ground
5	Output
8	+5V DC



D

Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	100	250	500	CTS Part No.
Full Size Clock Oscillator with Standard Output							
1.000000	CTX101-ND	2.78	2.47	2.19	1.87	1.66	MXO45-1.0000
1.843200	CTX103-ND	2.78	2.47	2.19	1.87	1.66	MXO45-1.8432
2.000000	CTX104-ND	2.78	2.47	2.19	1.87	1.66	MXO45-2.0000
2.457600	CTX105-ND	2.78	2.47	2.19	1.87	1.66	MXO45-2.4576
3.686400	CTX106-ND	2.78	2.47	2.19	1.87	1.66	MXO45-3.6864
4.000000	CTX107-ND	2.78	2.47	2.19	1.87	1.66	MXO45-4.0000
4.915200	CTX108-ND	2.78	2.47	2.19	1.87	1.66	MXO45-4.9152
5.000000	CTX109-ND	2.78	2.47	2.19	1.87	1.66	MXO45-5.0000
5.068800	CTX110-ND	2.78	2.47	2.19	1.87	1.66	MXO45-5.0688
6.000000	CTX111-ND	2.78	2.47	2.19	1.87	1.66	MXO45-6.0000
6.144000	CTX122-ND	2.78	2.47	2.19	1.87	1.66	MXO45-6.1440
7.372800	CTX123-ND	2.78	2.47	2.19	1.87	1.66	MXO45-7.3728
8.000000	CTX112-ND	2.78	2.47	2.19	1.87	1.66	MXO45-8.0000
10.000000	CTX114-ND	2.78	2.47	2.19	1.87	1.66	MXO45-10.0000
12.000000	CTX131-ND	2.78	2.47	2.19	1.87	1.66	MXO45-12.0000
14.318180	CTX115-ND	2.78	2.47	2.19	1.87	1.66	MXO45-14.31818
16.000000	CTX116-ND	2.78	2.47	2.19	1.87	1.66	MXO45-16.0000
18.432000	CTX118-ND	2.78	2.47	2.19	1.87	1.66	MXO45-18.4320
19.660800	CTX124-ND	2.78	2.47	2.19	1.87	1.66	MXO45-19.6608
20.000000	CTX119-ND	2.78	2.47	2.19	1.87	1.66	MXO45-20.0000
24.000000	CTX125-ND	2.78	2.47	2.19	1.87	1.66	MXO45-24.0000
25.000000	CTX126-ND	2.78	2.47	2.19	1.87	1.66	MXO45-25.0000
25.175000	CTX127-ND	2.78	2.47	2.19	1.87	1.66	MXO45-25.1750
28.322000	CTX128-ND	2.78	2.47	2.19	1.87	1.66	MXO45-28.3220
32.000000	CTX129-ND	2.78	2.47	2.19	1.87	1.66	MXO45-32.0000
40.000000	CTX120-ND	2.78	2.47	2.19	1.87	1.66	MXO45-40.0000
50.000000	CTX121-ND	2.78	2.47	2.19	1.87	1.66	MXO45-50.0000
64.000000	CTX130-ND	3.64	3.22	2.87	2.45	2.18	MXO45-64.0000
66.666600	CTX137-ND	3.64	3.22	2.87	2.45	2.18	MXO45-66.6666
80.000000	CTX138-ND	5.85	5.18	4.61	3.94	3.49	MXO45-80.0000
Full Size Clock Oscillator with Tri-State Output							
1.000000	CTX139-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-1.0000
1.843200	CTX140-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-1.8432
2.000000	CTX141-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-2.0000
2.457600	CTX142-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-2.4576
3.686400	CTX143-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-3.6864
4.000000	CTX144-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-4.0000
4.915200	CTX145-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-4.9152
5.000000	CTX146-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-5.0000
5.068800	CTX147-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-5.0688
6.000000	CTX148-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-6.0000
6.144000	CTX200-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-6.1440
7.372800	CTX201-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-7.3728
8.000000	CTX202-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-8.0000
10.000000	CTX203-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-10.0000
12.000000	CTX204-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-12.0000
14.318180	CTX205-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-14.31818
16.000000	CTX206-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-16.0000
18.432000	CTX207-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-18.4320
19.660800	CTX208-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-19.6608
20.000000	CTX209-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-20.0000
24.000000	CTX210-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-24.0000
25.000000	CTX211-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-25.0000
25.175000	CTX212-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-25.1750
28.322000	CTX213-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-28.3220
32.000000	CTX214-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-32.0000
40.000000	CTX215-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-40.0000
50.000000	CTX216-ND	2.78	2.47	2.19	1.87	1.66	MXO45T-50.0000
64.000000	CTX217-ND	3.64	3.22	2.87	2.45	2.17	MXO45T-64.0000
66.666600	CTX218-ND	3.64	3.22	2.87	2.45	2.17	MXO45T-66.6666
80.000000	CTX219-ND	5.85	5.18	4.61	3.94	3.49	MXO45T-80.0000

Frequency (MHz)	Digi-Key Part No.	Price Each 1	10	100	250	500	CTS Part No.
Half Size Clock Oscillator with Standard Output							
1.000000	CTX150-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-1.0000
1.843200	CTX151-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-1.8432
2.000000	CTX152-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-2.0000
2.457600	CTX153-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-2.4576
3.686400	CTX154-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-3.6864
4.000000	CTX155-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-4.0000
4.915200	CTX156-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-4.9152
5.000000	CTX157-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-5.0000
5.068800	CTX158-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-5.0688
6.000000	CTX159-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-6.0000
6.144000	CTX160-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-6.1440
7.372800	CTX161-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-7.3728
8.000000	CTX162-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-8.0000
10.000000	CTX163-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-10.0000
12.000000	CTX164-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-12.0000
14.318180	CTX165-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-14.31818
16.000000	CTX166-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-16.0000
18.432000	CTX167-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-18.4320
19.660800	CTX168-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-19.6608
20.000000	CTX169-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-20.0000
24.000000	CTX170-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-24.0000
25.000000	CTX171-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-25.0000
25.175000	CTX172-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-25.1750
28.322000	CTX173-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-28.3220
32.000000	CTX174-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-32.0000
40.000000	CTX175-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-40.0000
50.000000	CTX176-ND	2.78	2.47	1.87	1.66	1.42	MXO45HS-50.0000
64.000000	CTX177-ND	3.64	3.22	2.45	2.17	1.86	MXO45HS-64.0000
66.666600	CTX178-ND	3.64	3.22	2.45	2.17	1.86	MXO45HS-66.6666
80.000000	CTX179-ND	5.85	5.18	3.94	3.49	2.99	MXO45HS-80.0000
Half Size Clock Oscillator with Tri-State Output							
1.000000	CTX180-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-1.0000
1.843200	CTX181-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-1.8432
2.000000	CTX182-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-2.0000
2.457600	CTX183-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-2.4576
3.686400	CTX184-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-3.6864
4.000000	CTX185-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-4.0000
4.915200	CTX186-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-4.9152
5.000000	CTX187-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-5.0000
5.068800	CTX188-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-5.0688
6.000000	CTX189-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-6.0000
6.144000	CTX190-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-6.1440
7.372800	CTX191-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-7.3728
8.000000	CTX192-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-8.0000
10.000000	CTX193-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-10.0000
12.000000	CTX194-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-12.0000
14.318180	CTX195-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-14.31818
16.000000	CTX196-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-16.0000
18.432000	CTX197-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-18.4320
19.660800	CTX198-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-19.6608
20.000000	CTX199-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-20.0000
24.000000	CTX250-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-24.0000
25.000000	CTX251-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-25.0000
25.175000	CTX252-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-25.1750
28.322000	CTX253-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-28.3220
32.000000	CTX254-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-32.0000
40.000000	CTX255-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-40.0000
50.000000	CTX256-ND	2.78	2.47	1.87	1.66	1.42	MXO45HST-50.0000
64.000000	CTX257-ND	3.64	3.22	2.45	2.17	1.86	MXO45HST-64.0000
66.666600	CTX258-ND	3.64	3.22	2.45	2.17	1.86	MXO45HST-66.6666
80.000000	CTX259-ND	5.85	5.18	3.94	3.49	2.99	MXO45HST-80.0000

-ND	Aries Electronics Inc. Full Size 4-Pin Oscillator Sockets	$.55/1	$11.60/25	$37.59/100
-ND	Aries Electronics Inc. Half Size 4-Pin Oscillator Sockets	$.55/1	$11.60/25	$37.59/100

ECS INC. INTERNATIONAL — Ceramic Resonators - Surface Mount

CR-2 Series:
- **Frequency Accuracy:** ±0.5%
- **Stability in Temperature:** -20°C ~ 80°C, ±0.3%
- **Aging for Ten Years:** ±0.5%
- **Built-In Capacitance CR-2B:** 10.0 ~ 12.0MHz 30pF, 16.0 ~ 20.0MHz 15pF ±20%

HFR Series:
- **Frequency Accuracy:** ±0.5%
- **Stability in Temperature:** -20° ~ 80°C; 20.0 ~ 30.0MHz ±0.4%; 40.0 ~ 50.0MHz ±0.3%
- **Aging for Ten Years:** ±0.3%
- **Built-In Capacitance HFR-B:** 8pF ±20%

SR1 Series:
- **Frequency Accuracy:** ±0.5%
- **Stability in Temperature:** -20°C ~ 80°C, ±0.3%
- **Aging for Ten Years:** ±0.3%
- **Built-In Capacitance SR1-B:** 30pF ±20%

RoHS COMPLIANT

Dimensions			
Series	A	B	C
HFR	2.0	2.5	1.0
CR-2	3.1	3.7	1.2
SR1 A	4.0	7.5	1.8
SR1 B	4.0	7.5	2.2

Fig. 1

Pad Connections	
1	In/Out
2	Out/In

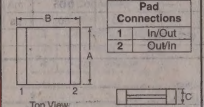


Fig. 2

Pad Connections	
1	In/Out
2	Ground
3	Out/In

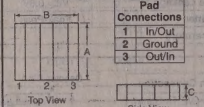


Fig. 3

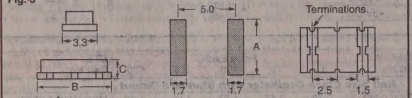


Fig. 4

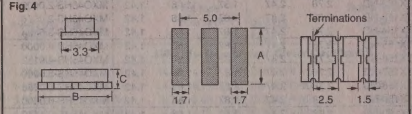


Fig.	Series	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel* Size	Pricing	ECS Part No.
1	ECS-CR2-A	10.00	XC1102CT-ND	.51	.46	.39	1,000	255.00	ECS-CR2-10.00-A-TR
		12.00	XC1103CT-ND	.51	.46	.39	1,000	255.00	ECS-CR2-12.00-A-TR
		16.00	XC1104CT-ND	.51	.46	.39	1,000	255.00	ECS-CR2-16.00-A-TR
		20.00	XC1105CT-ND	.51	.46	.39	1,000	255.00	ECS-CR2-20.00-A-TR
2	ECS-CR2-B	10.00	XC1106CT-ND	.57	.52	.43	1,000	285.00	ECS-CR2-10.00-B-TR
		12.00	XC1107CT-ND	.57	.52	.43	1,000	285.00	ECS-CR2-12.00-B-TR
		16.00	XC1108CT-ND	.57	.52	.43	1,000	285.00	ECS-CR2-16.00-B-TR
		20.00	XC1109CT-ND	.57	.52	.43	1,000	285.00	ECS-CR2-20.00-B-TR
2	ECS-HFR-B	20.00	XC1094CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-20.00-B-TR
		24.00	XC1095CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-24.00-B-TR
		25.00	XC1096CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-25.00-B-TR
		27.00	XC1097CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-27.00-B-TR
		30.00	XC1098CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-30.00-B-TR
		40.00	XC1099CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-40.00-B-TR
		48.00	XC1100CT-ND	.57	.52	.43	1,000	285.00	ECS-HFR-48.00-B-TR
3	ECS-SR1-A	3.58	X932CT-ND	.70	.60	.47	2,500	280.00/M	ECS-SR1-3.58-A-TR
		4.00	X933CT-ND	.70	.60	.47	2,500	280.00/M	ECS-SR1-4.00-A-TR
		4.19	X934CT-ND	.70	.60	.47	2,500	280.00/M	ECS-SR1-4.19-A-TR
		6.00	X935CT-ND	.70	.60	.47	2,500	280.00/M	ECS-SR1-6.00-A-TR
		8.00	X936CT-ND	.70	.60	.47	2,500	280.00/M	ECS-SR1-8.00-A-TR
4	ECS-SR1-B	3.58	X927CT-ND	.77	.66	.52	2,500	308.00/M	ECS-SR1-3.58-B-TR
		4.00	X928CT-ND	.77	.66	.52	2,500	308.00/M	ECS-SR1-4.00-B-TR
		4.19	X929CT-ND	.77	.66	.52	2,500	308.00/M	ECS-SR1-4.19-B-TR
		6.00	X930CT-ND	.77	.66	.52	2,500	308.00/M	ECS-SR1-6.00-B-TR
		8.00	X931CT-ND	.77	.66	.52	2,500	308.00/M	ECS-SR1-8.00-B-TR

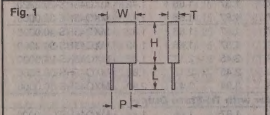
* For Tape & Reel Part No., change CT-ND to TR-ND.

Ceramic Resonators - Through Hole

ZTT Series with Built-In Load Capacitance:
- **Frequency Accuracy:** ±0.5% • **Stability in Temperature:** -20°C ~ 80°C, ±0.3%
- **Aging for Ten Years:** ±0.3% • **Built-In Capacitance:** 30pf ±20%

ZTA and ZTB Series:
- **Frequency Accuracy:** ±0.5% • **Stability in Temperature:** -20°C ~ 80°C, ±0.3%
- **Aging for Ten Years:** ±0.5% • **Operating Temperature:** -20°C ~ 80°C

Fig. 1



Frequency Range	Dimensions W	T	H	P	L
200	13.5	3.8	14.7	10	8
400	7.9	3.6	9.3	5	4
455-640	7	3.5	9	5	4
800-1000	5.2	2.8	6	2.5	3.5

Fig. 2

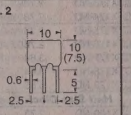


Fig. 3

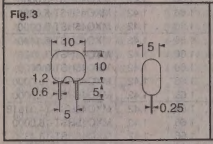


Fig. 4

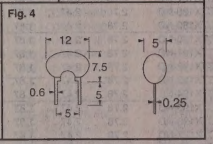
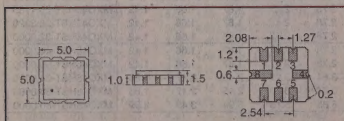


Fig.	Model/Series	Frequency	Digi-Key Part No.	Price Each 1	10	100	ECS Part No.
1	ZTB	200kHz	X919-ND	.84	.70	.56	ZTB200
		400kHz	X920-ND	.68	.57	.45	ZTB400P
		455kHz	X921-ND	.68	.57	.45	ZTB455E
		500kHz	X922-ND	.68	.57	.45	ZTB500E
		540kHz	X923-ND	.68	.57	.45	ZTB540P
		640kHz	X924-ND	.68	.57	.45	ZTB640P
		800kHz	X925-ND	.68	.57	.45	ZTB800J
		1,000kHz	X926-ND	.68	.57	.45	ZTB1000J
2	ZTT	3.58MHz	X901-ND	.54	.45	.36	ZTT-3.58MG
		3.68MHz	XC1017-ND	.50	.45	.36	ZTT-3.68MG
		4MHz	X902-ND	.54	.45	.36	ZTT-4.00MG
		4.19MHz	X903-ND	.54	.45	.36	ZTT-4.19MG
		6MHz	X904-ND	.54	.45	.36	ZTT-6.00MT
		8MHz	X905-ND	.54	.45	.36	ZTT-8.00MT
		10MHz	X906-ND	.54	.45	.36	ZTT-10.00MT
		12MHz	X907-ND	.54	.45	.36	ZTT-12.00MT
		16MHz	X908-ND	.54	.45	.36	ZTT-16.00MX
		20MHz	X909-ND	.54	.45	.36	ZTT-20.00MX
3	ZTA	6MHz	X913-ND	.49	.41	.33	ZTA-6.00MT
		8MHz	X914-ND	.49	.41	.33	ZTA-8.00MT
		10MHz	X915-ND	.49	.41	.33	ZTA-10.00MT
		12MHz	X916-ND	.49	.41	.33	ZTA-12.00MT
		16MHz	X917-ND	.49	.41	.33	ZTA-16.00MX
		20MHz	X918-ND	.49	.41	.33	ZTA-20.00MX
4	ZTA	3.58MHz	X910-ND	.49	.41	.33	ZTA-3.58MG
		4MHz	X911-ND	.49	.41	.33	ZTA-4.00MG
		4.19MHz	X912-ND	.49	.41	.33	ZTA-4.19MG

ECS-SDR1 One Port SAW Resonators



Pin Connection			
1	No Conn.	5	No Conn.
2	Input	6	Output
3	No Conn.	7	No Conn.
4	Ground	8	Ground

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	ECS Part No.
315.00	XC996CT-ND	3.57	3.22	2.68	XC996TR-ND	1785.00	ECS-SDR1-3150
418.00	XC997CT-ND	3.57	3.22	2.68	XC997TR-ND	1785.00	ECS-SDR1-4180
433.92	XC998CT-ND	3.57	3.22	2.68	XC998TR-ND	1785.00	ECS-SDR1-4339

More Product Available Online: www.digikey.com
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Ceramic Resonators - Surface Mount

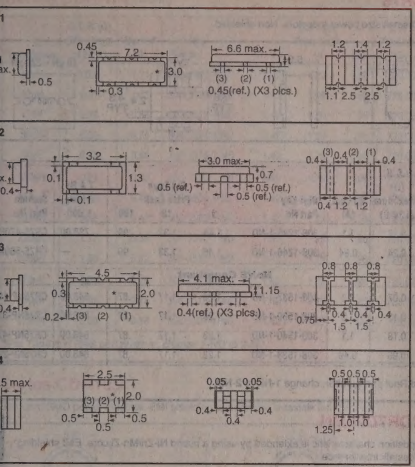


Fig.	Freq. (MHz)	Operating Temperature	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel* Size	Pricing	Murata Part No.
			CSTCC–G Series - Commercial						
1	2.00	-20°C ~ 80°C	490-1193-1-ND	.72	.60	.47	2,000	359.80/M	CSTCC2M00G53-R0
	3.58	-20°C ~ 80°C	490-1194-1-ND	.56	.46	.36	2,000	277.55/M	CSTCC3M58G53-R0
			CSTCC–G Series - Industrial						
1	2.00	-40°C ~ 125°C	490-1216-1-ND	.85	.74	.58	2,000	341.32/M	CSTCC2M00G53Z-R0
			CSTCE–G Series - Commercial						
2	8.00	-20°C ~ 80°C	490-1195-1-ND	.59	.50	.39	3,000	296.45/M	CSTCE8M00G55-R0
	10.00	-20°C ~ 80°C	490-1196-1-ND	.65	.54	.42	3,000	325.85/M	CSTCE10M0G55-R0
	12.00	-20°C ~ 80°C	490-1197-1-ND	.76	.63	.49	3,000	378.53/M	CSTCE12M0G55-R0
3	4.00	-20°C ~ 80°C	490-1200-1-ND	.54	.45	.35	3,000	271.78/M	CSTCR4M00G53-R0
	4.19	-20°C ~ 80°C	490-1201-1-ND	.54	.45	.35	3,000	271.78/M	CSTCR4M19G53-R0
	4.91	-20°C ~ 80°C	490-1202-1-ND	.62	.52	.41	3,000	311.50/M	CSTCR4M91G53-R0
	5.00	-20°C ~ 80°C	490-1203-1-ND	.62	.52	.41	3,000	311.50/M	CSTCR5M00G53-R0
	6.00	-20°C ~ 80°C	490-1204-1-ND	.54	.45	.35	3,000	271.78/M	CSTCR6M00G53-R0
			CSTCE–G Series - Industrial						
2	8.00	-40°C ~ 125°C	490-1219-1-ND	.62	.52	.40	3,000	310.80/M	CSTCE8M00G55Z-R0
	12.00	-40°C ~ 125°C	490-1220-1-ND	.70	.58	.45	3,000	348.78/M	CSTCE12M0G55Z-R0
3	4.00	-40°C ~ 125°C	490-1217-1-ND	.53	.44	.35	3,000	212.00/M	CSTCR4M00G53Z-R0
	6.00	-40°C ~ 125°C	490-1218-1-ND	.53	.44	.35	3,000	265.48/M	CSTCR6M00G53Z-R0
			CSTCE–V Series - Commercial						
2	16.00	-20°C ~ 80°C	490-1198-1-ND	.87	.72	.56	3,000	434.53/M	CSTCE16M0V53-R0
	20.00	-20°C ~ 80°C	490-1199-1-ND	.83	.70	.54	3,000	417.38/M	CSTCE20M0V53-R0
			CSTCW–X Series - Commercial						
4	24.00	-20°C ~ 80°C	490-1205-1-ND	.73	.61	.47	3,000	364.00/M	CSTCW24M0X53-R0
	48.00	-20°C ~ 80°C	490-1206-1-ND	.73	.61	.47	3,000	364.00/M	CSTCW48M0X51-R0

* For Tape & Reel Part No., change -1-ND to -2-ND.

D

ramic Resonators - Leaded

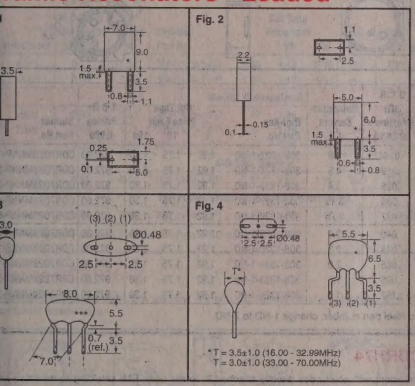
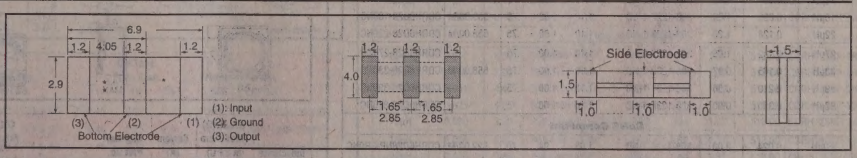


Fig.	Frequency	Operating Temperature	Digi-Key Part No.	Price Each 1	10	100	Murata Part No.
			CSBLA Series - Commercial				
1	400.00kHz	-20°C ~ 80°C	490-1166-ND	.76	.64	.49	CSBLA400KECE-B0
	455.00kHz	-20°C ~ 80°C	490-1187-ND	.70	.59	.46	CSBLA455KEC8-B0
	480.00kHz	-20°C ~ 80°C	490-1188-ND	.63	.53	.41	CSBLA480KEC8-B0
	500.00kHz	-20°C ~ 80°C	490-1189-ND	.63	.53	.41	CSBLA500KEC8-B0
	540.00kHz	-20°C ~ 80°C	490-1190-ND	.70	.59	.46	CSBLA540KEC8-B0
	640.00kHz	-20°C ~ 80°C	490-1191-ND	.70	.59	.46	CSBLA640KEC8-B0
2	800.00kHz	-20°C ~ 80°C	490-1192-ND	.88	.74	.57	CSBLA800KJ58-B0
	1.00MHz	-20°C ~ 80°C	490-1165-ND	.89	.75	.58	CSBLA1M00J58-B0
			CSTLS Series - Commercial				
3	3.58MHz	-20°C ~ 80°C	490-1207-ND	.33	.28	.22	CSTLS3M58G53-B0
	4.00MHz	-20°C ~ 80°C	490-1208-ND	.32	.27	.21	CSTLS4M00G53-B0
	4.19MHz	-20°C ~ 80°C	490-1209-ND	.33	.28	.22	CSTLS4M19G53-B0
	5.00MHz	-20°C ~ 80°C	490-1210-ND	.33	.28	.22	CSTLS5M00G53-B0
	6.00MHz	-20°C ~ 80°C	490-1211-ND	.33	.28	.22	CSTLS6M00G53-B0
	8.00MHz	-20°C ~ 80°C	490-1212-ND	.35	.29	.23	CSTLS8M00G53-B0
	10.00MHz	-20°C ~ 80°C	490-1213-ND	.38	.32	.25	CSTLS10M0G53-B0
4	16.00MHz	-20°C ~ 80°C	490-1214-ND	.58	.48	.38	CSTLS16M0X55-B0
	20.00MHz	-20°C ~ 80°C	490-1215-ND	.58	.48	.38	CSTLS20M0X53-B0
	50.00MHz	-20°C ~ 80°C	490-2606-ND	.68	.57	.44	CSTLS50M0X51-B0
			CSTLS Series - Industrial				
3	4.00MHz	-40°C ~ 125°C	490-1221-ND	.34	.29	.23	CSTLS4M00G53Z-B0
	6.00MHz	-40°C ~ 125°C	490-1222-ND	.42	.35	.27	CSTLS6M00G53Z-B0
	8.00MHz	-40°C ~ 125°C	490-1223-ND	.37	.32	.25	CSTLS8M00G53Z-B0

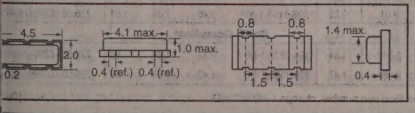
ramic Filters

10M7 Series for FM receiv- monolithic type ceramic filters utilize the thickness expander of the piezoelectric ceramic



uency (Hz)	Attenuation (Min) @ Frequency	Bandwidth (kHz)	Insertion Loss (dB)	Attenuation (dB)	Input/Output Impedance (Ω)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 2,000	Murata Part No.
±30kHz	20dB @ 320kHz	110	6	35	330/330	490-1229-1-ND	1.83	1.59	1.22	490-1229-2-ND	851.90/M	SFECV10M7KA00-R0
±30kHz	20dB @ 380kHz	150	5.5	35	330/330	490-1230-1-ND	1.75	1.52	1.17	490-1230-2-ND	815.68/M	SFECV10M7JA00-R0
±40kHz	20dB @ 950kHz	500	2	20	470/470	490-1231-1-ND	2.39	2.07	1.60	490-1231-2-ND	1113.53/M	SFECV10M7CQ0C01-R0

ramic Discriminator



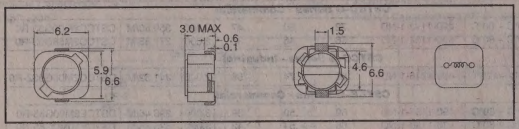
CDSCB10M7 Series forms a resonator on a piezoelectric ceramic substrate. In combination with IC's this type obtains stable demodulation characteristics in a wide bandwidth.

Specifications: • Recovered Audio Output: 75mV Minimum • Recovered Audio 3dB (kHz): 500 Minimum • Distortion: 1% max. • Detection Method: Quadrature

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 2,000	Murata Part No.
10.7	490-1240-1-ND	.96	.80	.62	490-1240-2-ND	481.95/M	CDSCB10M7GA119-R0

Series CDRH62B

SMD power inductors with electrodes directly attached to ferrite core. EMI shielding to minimize crosstalk interference.

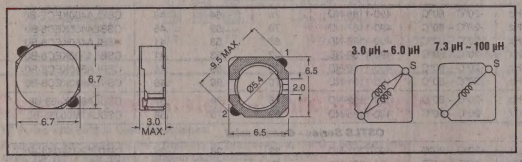


Inductance	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 2,000	Sumida Part No.
2.9µH	0.068	1.94	308-1148-1-ND	.96	.88	.65	486.00/M	CDRH62B-2R9NC
10µH	0.15	1.10	308-1154-1-ND	1.28	1.17	.87	648.00/M	CDRH62B-100MC
27µH	0.38	0.66	308-1159-1-ND	.96	.88	.65	486.00/M	CDRH62B-270MC
47µH	0.69	0.50	308-1162-1-ND	1.28	1.17	.87	648.00/M	CDRH62B-470MC
68µH	1.07	0.42	308-1164-1-ND	.96	.88	.65	—	CDRH62B-680MC
RoHS Compliant								
2.9µH	0.068	1.94	308-1485-1-ND	.92	.84	.63	468.00/M	CDRH62BNP-2R9NC
10µH	0.15	1.10	308-1483-1-ND	.92	.84	.63	468.00/M	CDRH62BNP-100MC
22µH	0.34	0.74	308-1484-1-ND	.92	.84	.63	468.00/M	CDRH62BNP-220MC
47µH	0.69	0.50	308-1486-1-ND	.92	.84	.63	468.00/M	CDRH62BNP-470MC

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDRH6D28

Low profile SMD power inductors with electrodes directly attached to ferrite core. EMI shielding to minimize crosstalk interference.

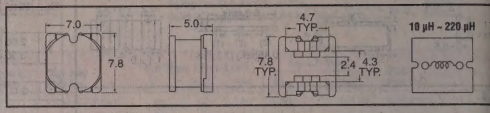


Inductance	D.C.R. (Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 1,500	Sumida Part No.
3.0µH	0.024	3.00	308-1218-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-3R0NC
3.9µH	0.027	2.60	308-1219-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-3R9NC
6.0µH	0.035	2.25	308-1221-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-6R0NC
7.3µH	0.054	2.10	308-1222-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-7R3NC
8.6µH	0.058	1.85	308-1223-1-ND	1.10	1.00	.75	—	CDRH6D28-8R6NC
10µH	0.065	1.70	308-1224-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-100NC
12µH	0.070	1.55	308-1225-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-120NC
15µH	0.084	1.40	308-1226-1-ND	1.10	1.00	.75	—	CDRH6D28-150NC
18µH	0.095	1.32	308-1227-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-180NC
22µH	0.128	1.20	308-1228-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-220NC
27µH	0.142	1.05	308-1229-1-ND	1.10	1.00	.75	—	CDRH6D28-270NC
33µH	0.165	0.97	308-1230-1-ND	1.10	1.00	.75	558.00/M	CDRH6D28-330NC
39µH	0.210	0.86	308-1231-1-ND	1.10	1.00	.75	—	CDRH6D28-390NC
82µH	0.390	0.60	308-1235-1-ND	1.10	1.00	.75	—	CDRH6D28-820NC
RoHS Compliant								
3.0µH	0.024	3.00	308-1495-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-3R0NC
3.9µH	0.027	2.60	308-1496-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-3R9NC
5.0µH	0.031	2.40	308-1498-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-5R0NC
6.0µH	0.035	2.25	308-1499-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-6R0NC
7.3µH	0.054	2.10	308-1500-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-7R3NC
10µH	0.065	1.70	308-1487-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-100NC
12µH	0.070	1.55	308-1489-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-120NC
15µH	0.084	1.40	308-1490-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-150NC
18µH	0.095	1.32	308-1491-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-180NC
22µH	0.128	1.20	308-1492-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-220NC
27µH	0.142	1.05	308-1493-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-270NC
33µH	0.165	0.97	308-1494-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-330NC
47µH	0.238	0.80	308-1497-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-470NC
82µH	0.390	0.60	308-1501-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-820NC
100µH	0.535	0.54	308-1488-1-ND	1.03	.94	.70	522.00/M	CDRH6D28NP-101NC

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CR75

Standard SMD small size power inductors. Non-shielded.

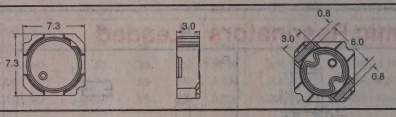


Inductance	D.C.R. (Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 1,000	Sumida Part No.
47µH	0.18	1.1	308-1245-1-ND	1.46	1.33	.99	738.00	CR75-470K
56µH	0.24	0.94	308-1246-1-ND	1.46	1.33	.99	—	CR75-560K
RoHS Compliant								
10µH	0.07	2.3	308-1537-1-ND	1.28	1.17	.87	648.00	CR75NP-10
33µH	0.13	1.2	308-1539-1-ND	1.28	1.17	.87	648.00	CR75NP-33
47µH	0.18	1.1	308-1540-1-ND	1.28	1.17	.87	648.00	CR75NP-47
220µH	0.96	0.49	308-1538-1-ND	1.28	1.17	.87	648.00	CR75NP-22

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDR7D28MN

DC supercomposition characteristic is extended by using a hybrid Ni-Zn/Mn-Zi core. EMI shielding to minimize crosstalk interference.

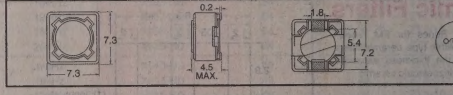


Inductance	D.C.R. (Ω) (Maximum at 20°C)	Saturation Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 1,000	Sumida Part No.
1.2µH	.0164	6.8	308-1322-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-1
2.0µH	.019	4.3	308-1324-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-2
3.6µH	.026	3.4	308-1326-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-3
4.6µH	.030	3.15	308-1327-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-4
6.8µH	.037	2.75	308-1328-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-6
8.0µH	.040	2.5	308-1329-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-8
10µH	.048	2.3	308-1320-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-1
15µH	.065	2.0	308-1321-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-1
22µH	.096	1.6	308-1323-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-2
33µH	.157	1.3	308-1325-1-ND	1.92	1.75	1.30	972.00	CDR7D28MNNP-3

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDRH74

SMD power inductors with electrodes directly attached to ferrite core. EMI shielding to minimize cro interference.



Inductance	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 1,000	Sumida Part No.
10µH	0.049	1.84	308-1173-1-ND	1.49	1.36	1.01	756.00	CDRH74-100
18µH	0.091	1.31	308-1176-1-ND	1.49	1.36	1.01	—	CDRH74-180
22µH	0.11	1.23	308-1177-1-ND	1.49	1.36	1.01	756.00	CDRH74-220
56µH	0.35	0.75	308-1182-1-ND	1.49	1.36	1.01	756.00	CDRH74-560
82µH	0.43	0.61	308-1184-1-ND	1.49	1.36	1.01	—	CDRH74-820
100µH	0.61	0.60	308-1185-1-ND	1.49	1.36	1.01	756.00	CDRH74-101
330µH	1.86	0.32	308-1191-1-ND	1.49	1.36	1.01	—	CDRH74-331
390µH	2.85	0.29	308-1192-1-ND	1.49	1.36	1.01	720.00	CDRH74-391
470µH	3.01	0.26	308-1193-1-ND	1.49	1.36	1.01	756.00	CDRH74-471
RoHS Compliant								
10µH	0.049	1.84	308-1502-1-ND	1.42	1.29	.96	720.00	CDRH74NP-1
15µH	0.081	1.47	308-1505-1-ND	1.42	1.29	.96	720.00	CDRH74NP-1

*For Tape and Reel part number, change 1-ND to 2-ND. (Cont

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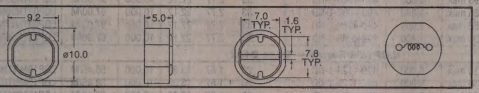
Series CDRH74 (Cont.)

Inductance	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 1,000	Sumida Part No.
18µH	0.091	1.31	308-1507-1-ND	1.42	1.29	.96	720.00	CDRH74NP-180MC
22µH	0.11	1.23	308-1509-1-ND	1.42	1.29	.96	720.00	CDRH74NP-220MC
47µH	0.26	0.88	308-1512-1-ND	1.42	1.29	.96	720.00	CDRH74NP-470MC
56µH	0.35	0.75	308-1514-1-ND	1.42	1.29	.96	720.00	CDRH74NP-560MC
68µH	0.38	0.69	308-1516-1-ND	1.42	1.29	.96	720.00	CDRH74NP-680MC
100µH	0.61	0.60	308-1503-1-ND	1.42	1.29	.96	720.00	CDRH74NP-101MC
150µH	0.88	0.46	308-1506-1-ND	1.42	1.29	.96	720.00	CDRH74NP-151MC
180µH	0.98	0.42	308-1508-1-ND	1.42	1.29	.96	720.00	CDRH74NP-181MC
220µH	1.17	0.36	308-1510-1-ND	1.42	1.29	.96	720.00	CDRH74NP-221MC
330µH	1.86	0.32	308-1511-1-ND	1.42	1.29	.96	720.00	CDRH74NP-331MC
470µH	3.01	0.26	308-1513-1-ND	1.42	1.29	.96	720.00	CDRH74NP-471MC
560µH	3.62	0.23	308-1515-1-ND	1.42	1.29	.96	720.00	CDRH74NP-561MC
1.0mH	6.00	0.18	308-1504-1-ND	1.42	1.29	.96	720.00	CDRH74NP-102MC

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDR105

Standard SMD power inductor. EMI shielding to minimize crosstalk interference.

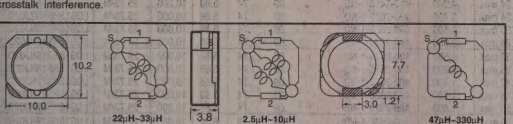


Inductance	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape and Reel* Size	Pricing	Sumida Part No.
27µH	0.108	1.54	308-1132-1-ND	1.56	1.42	1.06	500	396.00	CDR105-270MC
100µH	0.35	0.80	308-1139-1-ND	1.56	1.42	1.06	—	—	CDR105-101MC
RoHS Compliant									
10µH	0.06	2.53	308-1423-1-ND	1.49	1.36	1.01	500	378.00	CDR105NP-100MC
22µH	0.09	1.71	308-1425-1-ND	1.49	1.36	1.01	500	378.00	CDR105NP-220MC
100µH	0.35	0.80	308-1424-1-ND	1.49	1.36	1.01	500	378.00	CDR105NP-101MC
CD105 Series									
100µH	0.35	0.97	308-1342-1-ND	2.87	2.62	1.95	500	728.50	CD105-101KC
CD105 Series — RoHS Compliant									
100µH	0.35	0.97	308-1415-1-ND	2.17	1.97	1.47	500	549.00	CD105NP-101KC

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDRH104R

R-series SMD power inductors with low AC and DC resistance characteristics. EMI shielding to minimize crosstalk interference.



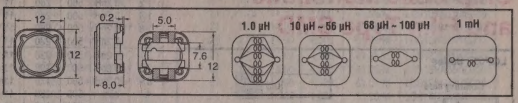
Inductance @100kHz 1V	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	50	T & R* Pricing 1,000	Sumida Part No.
2.5µH	10.5m	7.50	308-1276-1-ND	2.45	2.23	2.01	1242.00	CDRH104R-2R5NC
3.8µH	13.0m	6.00	308-1279-1-ND	2.45	2.23	2.01	1242.00	CDRH104R-3R8NC
22µH	73m	2.90	308-1274-1-ND	2.45	2.23	2.01	—	CDRH104R-220NC
33µH	93m	2.30	308-1277-1-ND	2.45	2.23	2.01	1242.00	CDRH104R-330NC
47µH	128m	2.10	308-1280-1-ND	2.45	2.23	2.01	1242.00	CDRH104R-470NC
100µH	304m	1.35	308-1270-1-ND	2.45	2.23	2.01	1242.00	CDRH104R-101NC
150µH	506m	1.15	308-1272-1-ND	2.45	2.23	2.01	—	CDRH104R-151NC
330µH	1.09	0.70	308-1278-1-ND	2.45	2.23	2.01	—	CDRH104R-331NC
RoHS Compliant								
2.5µH	10.5m	7.50	308-1432-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-2R5NC
3.8µH	13.0m	6.00	308-1434-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-3R8NC
10µH	35m	4.40	308-1429-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-100NC
22µH	73m	2.90	308-1431-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-220NC
33µH	93m	2.30	308-1433-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-330NC
47µH	128m	2.10	308-1435-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-470NC
100µH	304m	1.35	308-1430-1-ND	2.45	2.23	2.01	1242.00	CDRH104RNP-101NC

For Tape and Reel part number, change 1-ND to 2-ND.

Series CDRH127/LD

Low DCR direct drop-in version of Sumida's most popular series, CDRH127. Shielded.

RoHS COMPLIANT

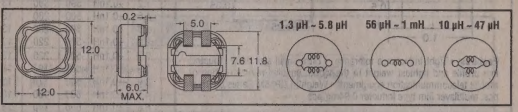


Inductance	D.C.R. (Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 500	Sumida Part No.
1.0µH	.005	14.0	308-1334-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-1R0NC
10µH	.015	6.70	308-1330-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-100MC
15µH	.0203	5.65	308-1333-1-ND	1.63	1.49	1.11	414.00	CDRH127/LDNP-150MC
22µH	.028	4.70	308-1335-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-220MC
27µH	.032	4.20	308-1336-1-ND	2.70	2.46	1.83	513.00	CDRH127/LDNP-270MC
33µH	.041	3.90	308-1337-1-ND	2.03	1.85	1.38	513.00	CDRH127/LDNP-330MC
39µH	.0465	3.50	308-1338-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-390MC
47µH	.06	3.25	308-1339-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-470MC
56µH	.069	2.90	308-1340-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-560MC
68µH	.092	2.60	308-1341-1-ND	2.02	1.84	1.37	513.00	CDRH127/LDNP-680MC
100µH	.119	2.10	308-1331-1-ND	2.03	1.85	1.38	513.00	CDRH127/LDNP-101MC
1.0mH	.00115	0.70	308-1332-1-ND	2.03	1.85	1.38	515.50	CDRH127/LDNP-102MC

*For Tape and Reel part number, change 1-ND to 2-ND.

Series CDRH125

SMD power inductors with electrodes directly attached to ferrite core. EMI shielding to minimize crosstalk interference.



Inductance	D.C.R.(Ω) (Maximum at 20°C)	Current (A)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R* Pricing 500	Sumida Part No.
1.3µH	0.012	8.00	308-1040-1-ND	2.13	1.94	1.44	—	CDRH125-1R3NC
5.8µH	0.021	4.40	308-1044-1-ND	2.13	1.94	1.44	540.00	CDRH125-5R8NC
10µH	0.025	4.00	308-1046-1-ND	2.13	1.94	1.44	540.00	CDRH125-100MC
22µH	0.036	2.80	308-1050-1-ND	2.13	1.94	1.44	540.00	CDRH125-220MC
39µH	0.068	2.00	308-1053-1-ND	2.13	1.94	1.44	540.00	CDRH125-390MC
47µH	0.075	1.80	308-1054-1-ND	2.13	1.94	1.44	540.00	CDRH125-470MC
56µH	0.11	1.70	308-1055-1-ND	2.13	1.94	1.44	540.00	CDRH125-560MC
68µH	0.12	1.50	308-1056-1-ND	2.13	1.94	1.44	—	CDRH125-680MC
82µH	0.14	1.40	308-1057-1-ND	2.13	1.94	1.44	540.00	CDRH125-820MC
100µH	0.16	1.30	308-1058-1-ND	2.13	1.94	1.44	540.00	CDRH125-101MC
150µH	0.23	1.00	308-1060-1-ND	2.13	1.94	1.44	540.00	CDRH125-151MC
180µH	0.29	0.90	308-1061-1-ND	2.13	1.94	1.44	540.00	CDRH125-181MC
220µH	0.40	0.80	308-1062-1-ND	2.13	1.94	1.44	540.00	CDRH125-221MC
560µH	0.86	0.54	308-1067-1-ND	2.13	1.94	1.44	—	CDRH125-561MC
820µH	1.34	0.43	308-1069-1-ND	2.13	1.94	1.44	—	CDRH125-821MC
1.0mH	1.53	0.40	308-1070-1-ND	2.13	1.94	1.44	—	CDRH125-102MC
RoHS Compliant								
1.3µH	0.012	8.00	308-1444-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-1R3NC
2.1µH	0.014	7.00	308-1447-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-2R1NC
5.8µH	0.021	4.40	308-1453-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-5R8NC
10µH	0.025	4.00	308-1436-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-100MC
15µH	0.030	3.30	308-1440-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-150MC
18µH	0.034	3.00	308-1442-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-180MC
22µH	0.036	2.80	308-1445-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-220MC
33µH	0.057	2.10	308-1448-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-330MC
39µH	0.068	2.00	308-1450-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-390MC
47µH	0.075	1.80	308-1451-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-470MC
56µH	0.11	1.70	308-1452-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-560MC
68µH	0.12	1.50	308-1454-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-680MC
82µH	0.14	1.40	308-1455-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-820MC
100µH	0.16	1.30	308-1437-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-101MC
120µH	0.17	1.10	308-1439-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-121MC
150µH	0.23	1.00	308-1441-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-151MC
180µH	0.29	0.90	308-1443-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-181MC
220µH	0.40	0.80	308-1446-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-221MC
330µH	0.51	0.68	308-1449-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-331MC
820µH	1.34	0.43	308-1456-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-821MC
1.0mH	1.53	0.40	308-1438-1-ND	2.02	1.84	1.37	513.00	CDRH125NP-102MC

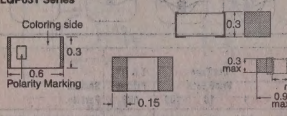
*For Tape and Reel part number, change 1-ND to 2-ND.

muRata
Innovator in Electronics

RoHS COMPLIANT

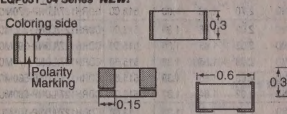
Chip Coils Monolithic and Film Type SMD

LQP03T Series



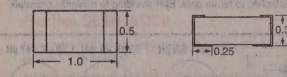
Murata's original thin film technology contributes further to miniaturizing high performance equipment because the size is small and the Q-value is high.

LQP03T_04 Series *NEW!*



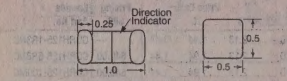
Ultra small 0201 size. Q value of some items has been heightened and direction indicator has been enabled. This enables easy impedance at matching RF and IF circuits, and high frequency designing. Highest class Q characteristics.

LQP15M Series



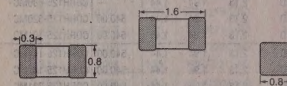
Features: • Tight inductance tolerance • Ultra small size 0402 inductor, low profile and lightest weight in the world, enables miniaturization of mobile telecommunication equipment • Weight: LQP15M Series 0.61mg/pcs. multilayer film type inductor 0.94mg/pcs

LQG15HS Series



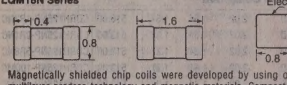
Chip inductors specifically designed for high frequency applications. They are designed to realize stable characteristics in high frequency range applying integrated multilayer process. Integrated multilayer process enables a wide range of inductance values with tight tolerance.

LQM18F Series *NEW!*



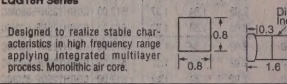
Special ferrite material, whose inductance change caused by bias current is small, enables large rated current of 50mA at 10 micro H. Magnetically shielded structure enables good crosstalk characteristics.

LQM18N Series



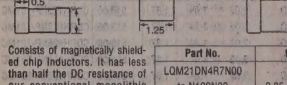
Magnetically shielded chip coils were developed by using original multilayer process technology and magnetic materials. Compact size is suitable for high density mounting. Shielded construction is not affected by interference from peripheral components.

LQG18H Series



Designed to realize stable characteristics in high frequency range applying integrated multilayer process. Monolithic air core.

LQM21D Series



Consists of magnetically shielded chip Inductors. It has less than half the DC resistance of our conventional monolithic chip inductors as well as high inductance. Monolithic design.

Part No.	t
LQM21DN4R7N00 to N100N00	0.85 ± 0.2
LQM21DN220N00	1.25 ± 0.2

Induct-ance (nH)	Toler-ance	Test Freq. (MHz)	Rated Current (mA)	Q (Min.)	DCR (ohm)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape and Reel* Size	Pricing	Murata Part No.
LQP03T Series													
1.0	±0.2nH	500	400	11	0.10 max.	6,000	490-2481-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN1N0C00D
1.2	±0.2nH	500	280	11	0.13 max.	6,000	490-2482-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN1N2C00D
1.5	±0.2nH	500	280	11	0.16 max.	6,000	490-2483-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN1N5C00D
1.8	±0.2nH	500	280	11	0.16 max.	6,000	490-2484-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN1N8C00D
2.2	±0.2nH	500	220	11	0.18 max.	6,000	490-2485-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN2N2C00D
2.7	±0.2nH	500	220	11	0.21 max.	6,000	490-2486-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN2N7C00D
3.3	±0.2nH	500	190	11	0.30 max.	6,000	490-2487-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN3N3C00D
3.9	±0.2nH	500	170	11	0.45 max.	6,000	490-2488-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN3N9C00D
4.7	±5%	500	160	11	0.55 max.	6,000	490-2489-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN4N7J00D
5.6	±5%	500	140	11	0.68 max.	6,000	490-2490-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN5N6J00D
6.8	±5%	500	130	11	0.75 max.	6,000	490-2491-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN6N8J00D
8.2	±5%	500	110	11	0.86 max.	5,500	490-2492-1-ND	.25	2.11	16.88	10,000	73.85/M	LQP03TN8N2J00D
NEW! LQP03T_04 Series — Case 0201 NEW!													
1.0	±0.2nH	500	400	13	0.10 max.	6,000	490-4069-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN1N0C04D
1.2	±0.2nH	500	280	13	0.13 max.	6,000	490-4070-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN1N2C04D
1.5	±0.2nH	500	280	13	0.16 max.	6,000	490-4071-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN1N5C04D
1.8	±0.2nH	500	280	13	0.16 max.	6,000	490-4072-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN1N8C04D
2.2	±0.2nH	500	220	13	0.18 max.	6,000	490-4073-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN2N2C04D
3.3	±0.2nH	500	190	13	0.20 max.	6,000	490-4074-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN3N3C04D
3.9	±0.2nH	500	170	13	0.30 max.	6,000	490-4075-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN3N9C04D
4.7	±5%	500	160	13	0.40 max.	6,000	490-4076-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN4N7J04D
5.6	±5%	500	140	13	0.55 max.	6,000	490-4077-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN5N6J04D
6.8	±5%	500	130	13	0.60 max.	6,000	490-4078-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN6N8J04D
8.2	±5%	500	110	13	0.86 max.	5,500	490-4079-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN8N2J04D
10	±5%	500	100	13	1.10 max.	4,500	490-4080-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN10NJ04D
12	±5%	500	90	11	1.15 max.	3,700	490-4081-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN12NJ04D
15	±5%	500	90	11	1.40 max.	3,700	490-4082-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN15NJ04D
18	±5%	500	80	11	1.60 max.	3,100	490-4083-1-ND	.25	2.11	16.88	10,000	74.00/M	LQP03TN18NJ04D
22	±5%	500	70	11	2.55 max.	2,800	490-4084-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN22NJ04D
27	±5%	500	70	11	2.90 max.	2,500	490-4085-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN27NJ04D
33	±5%	300	60	8	2.95 max.	2,000	490-4086-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN33NJ04D
39	±5%	300	60	8	3.35 max.	1,800	490-4087-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN39NJ04D
47	±5%	300	50	8	3.60 max.	1,600	490-4088-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN47NJ04D
56	±5%	300	50	8	4.30 max.	1,400	490-4089-1-ND	.33	2.77	22.12	10,000	97.00/M	LQP03TN56NJ04D
LQP15M Series — Case 0402													
1.0	±0.1nH	500	400	13	0.10 max.	6,000	490-1124-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN1N0B02D
1.2	±0.1nH	500	390	13	0.10 max.	6,000	490-1125-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN1N2B02D
1.5	±0.1nH	500	280	13	0.20 max.	6,000	490-1126-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN1N5B02D
1.8	±0.1nH	500	280	13	0.20 max.	6,000	490-1127-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN1N8B02D
2.2	±0.1nH	500	220	13	0.30 max.	6,000	490-1128-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN2N2B02D
2.7	±0.1nH	500	220	13	0.30 max.	6,000	490-1129-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN2N7B02D
3.3	±0.1nH	500	190	13	0.40 max.	6,000	490-1130-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN3N3B02D
3.9	±0.1nH	500	170	13	0.50 max.	6,000	490-1131-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN3N9B02D
4.7	±0.1nH	500	160	13	0.60 max.	6,000	490-1132-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN4N7B02D
5.6	±0.1nH	500	140	13	0.70 max.	6,000	490-1133-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN5N6B02D
6.8	±0.1nH	500	130	13	0.90 max.	6,000	490-1134-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN6N8B02D
8.2	±0.1nH	500	110	13	1.10 max.	5,500	490-1135-1-ND	.20	1.67	13.36	10,000	58.45/M	LQP15MN8N2B02D
LQG15HS Series — Case 0402													
1.0	±0.3nH	100	300	8	0.07 max.	10,000	490-2610-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS1N0S02D
1.2	±0.3nH	100	300	8	0.09 max.	6,000	490-2611-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS1N2S02D
1.5	±0.3nH	100	300	8	0.10 max.	6,000	490-2612-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS1N5S02D
1.8	±0.3nH	100	300	8	0.10 max.	6,000	490-2613-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS1N8S02D
2.2	±0.3nH	100	300	8	0.12 max.	6,000	490-2614-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS2N2S02D
2.7	±0.3nH	100	300	8	0.15 max.	6,000	490-2615-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS2N7S02D
3.3	±0.3nH	100	300	8	0.17 max.	6,000	490-2616-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS3N3S02D
3.9	±0.3nH	100	300	8	0.18 max.	6,000	490-2617-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS3N9S02D
4.7	±0.3nH	100	300	8	0.18 max.	6,000	490-2618-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS4N7S02D
5.6	±0.3nH	100	300	8	0.20 max.	4,500	490-2619-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS5N6S02D
6.2	±0.3nH	100	300	8	0.22 max.	4,500	490-2620-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS6N2S02D
6.8	±5%	100	300	8	0.24 max.	4,500	490-2621-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS6N8J02D
7.5	±5%	100	300	8	0.24 max.	4,200	490-3456-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS7N5J02D
8.2	±5%	100	300	8	0.24 max.	3,700	490-2622-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS8N2J02D
10	±5%	100	300	8	0.26 max.	3,400	490-2623-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS10NJ02D
12	±5%	100	300	8	0.28 max.	3,000	490-2624-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS12NJ02D
15	±5%	100	300	8	0.32 max.	2,500	490-2625-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS15NJ02D
18	±5%	100	300	8	0.36 max.	2,200	490-2626-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS18NJ02D
22	±5%	100	300	8	0.42 max.	1,900	490-2627-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS22NJ02D
27	±5%	100	300	8	0.46 max.	1,700	490-2628-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS27NJ02D
33	±5%	100	200	8	0.58 max.	1,600	490-2629-1-ND	.09	.74	5.88	10,000	25.73/M	LQG15HS33NJ02D
39	±5%	100	200	8	0.65 max.	1,000	490-2630-1-ND	.09	.79	6.32	10,000	27.65/M	LQG15HS39NJ02D
47	±5%	100	200	8	0.72 max.	1,000	490-2631-1-ND	.09	.79	6.32	10,000	27.65/M	LQG15HS47NJ02D
56	±5%	100	200	8	0.82 max.	800	490-2632-1-ND	.09	.79	6.32	10,000	27.65/M	LQG15HS56NJ02D
68	±5%	100	180	8	0.92 max.	800	490-2633-1-ND	.09	.79	6.32	10,000	27.65/M	LQG15HS68NJ02D
82	±5%	100	150	8	1.20 max.	700	490-2634-1-ND	.11	.88	7.00	10,000	30.63/M	LQG15HS82NJ02D
100	±5%	100	150	8	1.25 max.	600	490-2635-1-ND	.11	.88	7.00	10,000	30.63/M	LQG15HSR10J02D
120	±5%	100	150	8	1.30 max.	600	490-2636-1-ND	.11	.88	7.00	10,000	30.63/M	LQG15HSR12J02D
150	±5%	100	140	8	2.99 max.	550	490-2637-1-ND	.12	.98	7.80	10,000	34.13/M	LQG15HSR15J02D
180	±5%	100	130	8	3.38 max.	500	490-2638-1-ND	.12	.98	7.80	10,000	34.13/M	LQG15HSR18J02D
220	±5%	100	120	8	3.77 max.	450	490-2639-1-ND	.12	.98	7.80	10,000	34.13/M	LQG15HSR22J02D
270	±5%	100	110	8	4.94 max.	400	490-2640-1-ND	.12	.98	7.80	10,000	34.13/M	LQG15HSR27J02D
NEW! LQM18F Series — Case 0603 NEW!													
1000	±20%	1	150	—	0.20±30%	120	490-4022-1-ND	.24	2.00	16.00	4,000	70.00/M	LQM18FN1R0M00D
2200	±20%	1	120	—	0.40±30%	80	490-4023-1-ND	.24	2.00	16.00	4,000	70.00/M	LQM18FN2R2M00D
4700	±20%	1	80	—	0.60±30%	50	490-4024-1-ND	.24	2.00	16.00	4,000	70.00/M	LQM18FN4R7M00D
10000	±20%	1	50	—	0.90±30%	30	490-4025-1-ND	.24	2.00	16.00	4,000	70.00/M	LQM18FN100M00D
LQM18N Series — Case 0603													
47	±20%	50	50	10	0.30 max.	260	490-1110-1-ND	.23	1.93	15.44	4,000	67.55/M	LQM18NN47NM00D
68	±20%	50	50	10	0.30 max.	250	490-4032-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NN68NM00D
100	±10%	25	50	15	0.50 max.	240	490-1111-1-ND	.23	1.93	15.44	4,000	67.55/M	LQM18NNR10K00D
150	±10%	25	50	15	0.60 max.	180	490-4033-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NNR15K00D
220	±10%	25	50	15	0.80 max.	150	490-4034-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NNR22K00D
330	±10%	25	35	15	0.85 max.	125	490-4035-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NNR33K00D
470	±10%	25	35	15	1.35 max.	105	490-4036-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NNR47K00D
680	±10%	25	35	15	1.70 max.	90	490-4037-1-ND ***NEW!***	.23	1.93	15.44	4,000	68.00/M	LQM18NNR68K00D
1000	±10%	10	25	35	0.60 max.	75	490-1112-1-ND	.26	2.18	17.40	4,000	76.13/M	LQM18NN1R0K00D
1500	±10%	10	25	35	0.80 max.	60	490-4038-1-ND ***NEW!***	.26	2.18	17.40	4,000	76.00/M	LQM18NN1R5K00D
2200	±10%	10	15	35	1.15 max.	50	490-1113-1-ND	.26	2.18	17.40	4,000	76.13/M	LQM18NN2R2K00D

* For Tape and Reel part number, change 1-ND to 2-ND.

(Continued)

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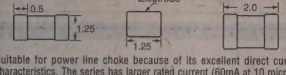
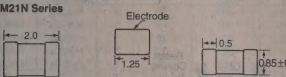
hip Coils Monolithic
d Film Type SMD (Cont.)

0M21F Series



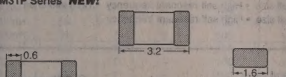
Suitable for power line choke because of its excellent direct current characteristics. The series has larger rated current (60mA at 10 micro H) than conventional rated current. Monolithic ferrite core.

0M21N Series



onsists of magnetically shielded chip inductors developed using lurata's original multilayer process technology and magnetic materials. he miniature size of 2.0mm x 1.25mm enables compact design of ectric equipment.

0M31P Series ***NEW!***



atures low DC resistance and magnetically shielded structure. utstanding solder heat resistance. Either flow or reflow soldering ethods can be employed.

Induct-ance (nH)	Toler-ance	Test Freq. (MHz)	Rated Current (mA)	Q (Min.)	DCR (ohm)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape and Reel* Size	Pricing	Murata Part No.
LQG18H Series — Case 0603													
1.2	±0.3nH	100	500	12	0.10 max.	6,000	490-1099-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN1N2S00D
1.5	±0.3nH	100	500	12	0.10 max.	6,000	490-1100-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN1N5S00D
1.8	±0.3nH	100	500	12	0.10 max.	6,000	490-1101-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN1N8S00D
2.2	±0.3nH	100	500	12	0.10 max.	6,000	490-1102-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN2N2S00D
2.7	±0.3nH	100	500	12	0.15 max.	6,000	490-1103-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN2N7S00D
3.3	±0.3nH	100	500	12	0.15 max.	6,000	490-1104-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN3N3S00D
3.9	±0.3nH	100	450	12	0.15 max.	6,000	490-1105-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN3N9S00D
4.7	±0.3nH	100	450	12	0.20 max.	6,000	490-1106-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN4N7S00D
5.6	±0.3nH	100	430	12	0.20 max.	5,000	490-1107-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN5N6S00D
6.8	±5%	100	430	12	0.25 max.	5,000	490-1108-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN6N8J00D
8.2	±5%	100	400	12	0.25 max.	4,000	490-1109-1-ND	.21	1.75	14.00	4,000	61.25/M	LQG18HN8N2J00D
LQM21D Series — Case 0805													
4.7µH	±30%	1	30	—	0.30 max.	35	490-1120-1-ND	.26	2.19	17.52	4,000	76.65/M	LQM21DN4R7N00D
10µH	±30%	1	15	—	0.50 max.	24	490-1121-1-ND	.26	2.19	17.52	4,000	76.65/M	LQM21DN100N00D
22µH	±30%	1	13	—	0.65 max.	16	490-1123-1-ND	.26	2.19	17.52	3,000	76.65/M	LQM21DN220N00L
LQM21F Series — Case 0805													
1.0µH	±30%	1	220	—	0.20±30%	105	490-4026-1-ND ***NEW!***	.15	1.29	10.32	4,000	45.00/M	LQM21FN1R0N00D
2.2µH	±30%	1	150	—	0.28±30%	70	490-4027-1-ND ***NEW!***	.19	1.60	12.80	4,000	56.00/M	LQM21FN2R2N00D
4.7µH	±20%	1	120	—	0.35±30%	25	490-4028-1-ND ***NEW!***	.25	2.10	16.76	3,000	73.00/M	LQM21FN4R7M70L
10µH	±20%	1	100	—	0.60±30%	15	490-4029-1-ND ***NEW!***	.19	1.60	12.80	3,000	56.00/M	LQM21FN100M70L
10µH	±30%	1	60	—	0.50±30%	15	490-1122-1-ND	.18	1.51	12.08	3,000	52.85/M	LQM21FN100N00L
22µH	±30%	1	13	—	0.35±30%	15	490-4030-1-ND ***NEW!***	.18	1.51	12.08	3,000	53.00/M	LQM21FN220N00L
47µH	±30%	1	7	—	0.60±30%	7.5	490-4031-1-ND ***NEW!***	.18	1.51	12.08	3,000	53.00/M	LQM21FN470N00L
LQM21N Series — Case 0805													
0.1µH	±10%	25	250	20	0.26 max.	340	490-1114-1-ND	.23	1.88	15.04	4,000	65.80/M	LQM21NNR10K10D
0.22µH	±10%	25	250	20	0.38 max.	220	490-1115-1-ND	.23	1.88	15.04	4,000	65.80/M	LQM21NNR22K10D
0.47µH	±10%	25	200	25	0.57 max.	150	490-1116-1-ND	.23	1.88	15.04	4,000	65.80/M	LQM21NNR47K10D
1.0µH	±10%	10	50	45	0.40 max.	107	490-1117-1-ND	.24	2.03	16.20	4,000	70.88/M	LQM21NN1R0K10D
1.5µH	±10%	10	50	45	0.50 max.	87	490-1118-1-ND	.24	2.03	16.20	4,000	70.88/M	LQM21NN1R5K10D
2.2µH	±10%	10	30	45	0.63 max.	71	490-1119-1-ND	.24	2.03	16.20	4,000	70.88/M	LQM21NN2R2K10D
NEW!* LQM31P SERIES — Case 1206 *NEW!													
1.0µH	±20%	1	1200	—	0.12±25%	60	490-4039-1-ND	.60	5.00	40.00	3,000	175.00/M	LQM31PN1R0M00L

* For Tape and Reel part number, change 1-ND to 2-ND.

hip Coils Wound Type SMD

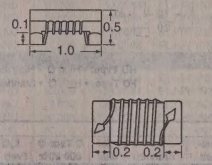
RoHS COMPLIANT

Induct-ance (nH)	Toler-ance	Test Freq. (MHz)	Rated Current (mA)	Q (Min.)	DCR Max. (ohm)	SRF Min. (GHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape and Reel* Size	Pricing	Murata Part No.
LQW15A Series — Case 0402													
.5	±0.5nH	100	1000	10	0.03	18	490-1136-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN1N5D00D
.7	±0.5nH	100	850	20	0.05	15	490-1137-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN2N7D00D
.3	±0.2nH	100	750	25	0.07	10	490-1138-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN4N3C00D
.7	±0.2nH	100	750	25	0.07	8	490-1139-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN4N7C00D
.1	±0.5nH	100	600	25	0.12	8	490-1140-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN5N1D00D
.2	±0.5nH	100	700	25	0.09	8	490-1141-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN6N2D00D
.8	±5%	100	700	25	0.09	6	490-1142-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN6N8J00D
.5	±5%	100	570	25	0.13	6	490-1143-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN7N5J00D
.2	±5%	100	540	25	0.14	5.5	490-1144-1-ND	.44	.37	.30	10,000	129.15/M	LQW15AN8N2J00D
.1	±5%	100	540	25	0.14	5.5	490-1145-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN9N1J00D
0	±5%	100	500	25	0.17	5.5	490-1146-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN10NJ00D
2	±5%	100	500	30	0.14	5.5	490-1147-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN12NJ00D
5	±5%	100	460	30	0.16	5	490-1148-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN15NJ00D
8	±5%	100	370	25	0.27	4.5	490-1149-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN18NJ00D
2	±5%	100	310	25	0.30	4	490-1150-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN22NJ00D
7	±5%	100	280	25	0.52	3.5	490-1151-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN27NJ00D
3	±5%	100	260	25	0.63	3.2	490-1152-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN33NJ00D
9	±5%	100	250	25	0.70	3	490-1153-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN39NJ00D
7	±5%	100	210	25	1.08	2.9	490-1154-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN47NJ00D
6	±5%	100	200	25	1.17	2.8	490-1155-1-ND	.43	.36	.29	10,000	126.00/M	LQW15AN56NJ00D
8	±5%	100	140	20	1.96	2.5	490-1156-1-ND	.44	.37	.30	—	—	LQW15AN68NJ00D
2	±5%	100	130	20	2.24	2.3	490-1157-1-ND	.44	.37	.30	10,000	129.15/M	LQW15AN82NJ00D
00	±5%	100	120	20	2.52	1.5	490-4090-1-ND ***NEW!***	.44	.37	.30	10,000	129.00/M	LQW15ANR10J00D
20	±5%	100	110	20	2.66	1.0	490-4091-1-ND ***NEW!***	.44	.37	.30	10,000	129.00/M	LQW15ANR12J00D

Induct-ance (nH)	Toler-ance	Test Freq. (MHz)	Rated Current (mA)	Q (Min.)	DCR (ohm)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape and Reel* Size	Pricing	Murata Part No.
LQW18A Series — Case 0603													
.2	±0.5nH	100	700	16	0.049 max.	6,000	490-1158-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN2N2D00D
.6	±0.5nH	100	850	25	0.059 max.	6,000	490-1159-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN3N6D00D
.9	±0.5nH	100	850	35	0.059 max.	6,000	490-1160-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN3N9D00D
.3	±0.5nH	100	850	35	0.059 max.	6,000	490-1161-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN4N3D00D
.7	±0.5nH	100	850	35	0.059 max.	6,000	490-1162-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN4N7D00D
.6	±0.5nH	100	750	35	0.082 max.	6,000	490-1164-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN5N6D00D
.2	±0.5nH	100	750	35	0.082 max.	6,000	490-1163-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN6N2D00D
.8	±0.5nH	100	750	35	0.082 max.	6,000	490-1165-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN6N8D00D
.5	±0.5nH	100	750	35	0.082 max.	6,000	490-1166-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN7N5D00D
.2	±0.5nH	100	650	35	0.11 max.	6,000	490-1167-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN8N2D00D
.7	±0.5nH	100	650	35	0.11 max.	6,000	490-1168-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN8N7D00D
0	±5%	100	650	35	0.11 max.	6,000	490-1169-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN10NJ00D
2	±5%	100	600	35	0.13 max.	6,000	490-1170-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN12NJ00D
5	±5%	100	600	40	0.13 max.	6,000	490-1171-1-ND	.39	.33	.27	4,000	115.15/M	LQW18AN15NJ00D

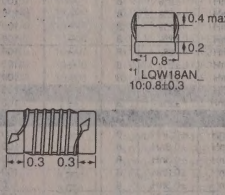
Tape and Reel part number, change 1-ND to 2-ND.

LQW15A Series



Consists of air core chip coil using a miniature alumina core. Has high Q value and high self resonant frequency in high frequency range. Suitable for high frequency circuits which are used in telecommunication equipment.

LQW18A Series



Horizontal winding structure enables tight inductance. High self resonant frequency realizes high-Q value and stable inductance at high frequency. Low DC resistance design is ideal for low loss, high output and low power consumption.

Panasonic

Surface Mount Inductors

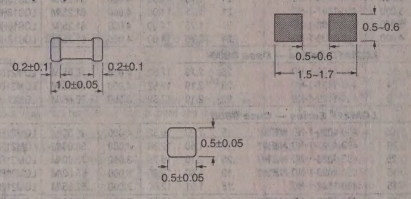
Non Wound and Wire Wound type chip inductors for automatic and high-density mounting.

Features: • High Q • Good for mounting • Wide availability range (1.0nH ~ 1000nH) • Stable L-value in any mounting direction (non winding type)

Recommended Applications: • Portable telephones, Wireless Communication equipment (W-LAN, BT), PDA, Camcorder, DSC, Various modules, HIC, TV, VTR, PC peripherals

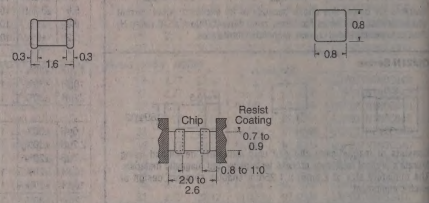
Item / Styles / Type	Non Wound Type F 0402 (1005)	Non Wound Type E 0603 (1608)	Wire Wound Type D 0805 (2012)	Wire Wound Type C 1008 (2520)
Non Magnetic Core	ELJRF	ELJRE	ELJND	ELJNC
Higher Q Type	ELFQF	—	—	—
Regular	—	—	—	ELJFC
Shield	—	—	—	—
High Power	ELJPF	ELJPE	—	—
Low DC Resistance	—	—	—	—

Fig. 1 - 0402 (1005)



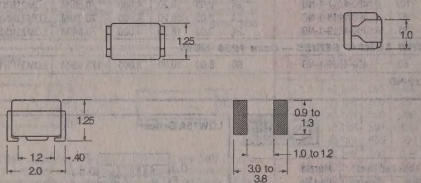
RF Type (Non-winding design): • High Q • High self-resonant frequency • Non Polarity
QF Type: • High Q • Lead-Free
PF Type: • High power type • Stable for power line as choke coil

Fig. 2 - 0603 (1608)



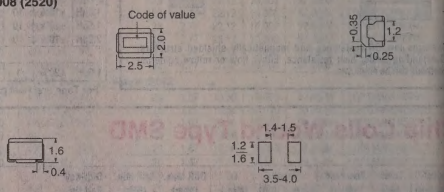
RE Type (Non-winding design): • Small size • High self-resonant frequency • Tight tolerance
PE Type (Non-winding design): • Small size • High self-resonant frequency

Fig. 3- 0805 (2012)



ND Type: • High Q • High self-resonant frequency
FD Type: • High Q • Standard version of ND Type

Fig. 4 - 1008 (2520)



NC Type: • Low inductance, tight tolerance and small size • Suitable for high-frequency circuits • Coreless type • L is stable with respect to temperature and humidity
FC Type: • Smallest of the coil type inductors • Suitable for a variety of small processing circuits • SC Type is equipped with a magnetic shield function

Inductance	Tolerance	Q Min.	Q Typ. @ 800 MHz	L,Q Test Freq. (MHz)	S.R.F. Min. (MHz)	RDC Max. (Ohm)	IDC Max. (mA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
Fig. 1, 0402 (1005) — Type RF (2% Tolerance) — RoHS Compliant															
1.0nH	±0.2nH	8	—	100	6000	0.05	400	PCD1898CT-ND	.12	.96	7.56	PCD1898TR-ND	10,000	41.00/M	ELJ-RF1N0ZF
1.2nH	±0.2nH	8	—	100	6000	0.06	400	PCD1899CT-ND	.12	.96	7.56	PCD1899TR-ND	10,000	41.00/M	ELJ-RF1N2ZF
1.5nH	±0.2nH	8	—	100	6000	0.07	400	PCD1900CT-ND	.12	.96	7.56	PCD1900TR-ND	10,000	41.00/M	ELJ-RF1N5ZF
1.8nH	±0.2nH	8	—	100	6000	0.08	400	PCD1901CT-ND	.12	.96	7.56	PCD1901TR-ND	10,000	41.00/M	ELJ-RF1N8ZF
2.2nH	±0.2nH	8	—	100	6000	0.09	400	PCD1902CT-ND	.12	.96	7.56	PCD1902TR-ND	10,000	41.00/M	ELJ-RF2N2ZF
2.7nH	±0.2nH	8	—	100	5500	0.10	400	PCD1903CT-ND	.12	.96	7.56	PCD1903TR-ND	10,000	41.00/M	ELJ-RF2N7ZF
3.3nH	±0.2nH	8	—	100	5500	0.12	400	PCD1904CT-ND	.12	.96	7.56	PCD1904TR-ND	10,000	41.00/M	ELJ-RF3N3ZF
3.9nH	±0.2nH	8	—	100	5200	0.15	360	PCD1905CT-ND	.12	.96	7.56	PCD1905TR-ND	10,000	41.00/M	ELJ-RF3N9ZF
4.7nH	±0.2nH	8	—	100	4800	0.17	360	PCD1906CT-ND	.12	.96	7.56	PCD1906TR-ND	10,000	41.00/M	ELJ-RF4N7ZF
5.6nH	±0.2nH	8	—	100	4600	0.19	340	PCD1907CT-ND	.12	.96	7.56	PCD1907TR-ND	10,000	41.00/M	ELJ-RF5N6ZF
6.8nH	±0.2nH	8	—	100	4000	0.30	320	PCD1908CT-ND	.12	.96	7.56	PCD1908TR-ND	10,000	41.00/M	ELJ-RF6N8ZF
8.2nH	±0.2nH	8	—	100	3500	0.35	320	PCD1909CT-ND	.12	.96	7.56	PCD1909TR-ND	10,000	41.00/M	ELJ-RF8N2ZF
10nH	±2%	8	—	100	2800	0.41	320	PCD1910CT-ND	.12	.96	7.56	PCD1910TR-ND	10,000	41.00/M	ELJ-RF10NGF
12nH	±2%	8	—	100	2800	0.45	320	PCD1911CT-ND	.12	.96	7.56	PCD1911TR-ND	10,000	41.00/M	ELJ-RF12NGF
15nH	±2%	8	—	100	2500	0.60	240	PCD1912CT-ND	.12	.96	7.56	PCD1912TR-ND	10,000	41.00/M	ELJ-RF15NGF
18nH	±2%	8	—	100	2200	0.70	240	PCD1913CT-ND	.12	.96	7.56	PCD1913TR-ND	10,000	41.00/M	ELJ-RF18NGF
22nH	±2%	8	—	100	2000	0.80	200	PCD1914CT-ND	.12	.96	7.56	PCD1914TR-ND	10,000	41.00/M	ELJ-RF22NGF
27nH	±2%	8	—	100	1800	1.20	200	PCD1915CT-ND	.12	.96	7.56	PCD1915TR-ND	10,000	41.00/M	ELJ-RF27NGF
33nH	±2%	8	—	100	1800	1.40	170	PCD1916CT-ND	.12	.96	7.56	PCD1916TR-ND	10,000	41.00/M	ELJ-RF33NGF
39nH	±2%	8	—	100	1800	1.70	150	PCD1917CT-ND	.12	.96	7.56	PCD1917TR-ND	10,000	41.00/M	ELJ-RF39NGF
47nH	±2%	8	—	100	1800	2.10	140	PCD1918CT-ND	.12	.96	7.56	PCD1918TR-ND	10,000	41.00/M	ELJ-RF47NGF
56nH	±2%	8	—	100	1500	2.50	130	PCD1919CT-ND	.12	.96	7.56	PCD1919TR-ND	10,000	41.00/M	ELJ-RF56NGF
68nH	±2%	8	—	100	1500	4.50	120	PCD1920CT-ND	.12	.96	7.56	PCD1920TR-ND	10,000	41.00/M	ELJ-RF68NGF
82nH	±2%	8	—	100	1400	4.50	110	PCD1921CT-ND	.12	.96	7.56	PCD1921TR-ND	10,000	41.00/M	ELJ-RF82NGF
100nH	±2%	8	—	100	1200	5.50	90	PCD1922CT-ND	.12	.96	7.56	PCD1922TR-ND	10,000	41.00/M	ELJ-RFR10GF
Fig. 1, 0402 (1005) — Type RF (5% Tolerance) — RoHS Compliant															
1.0nH	±0.3nH	8	—	100	6000	0.05	400	PCD1923CT-ND	.08	.68	5.36	PCD1923TR-ND	10,000	29.00/M	ELJ-RF1N0DF
1.2nH	±0.3nH	8	—	100	6000	0.06	400	PCD1924CT-ND	.08	.68	5.36	PCD1924TR-ND	10,000	29.00/M	ELJ-RF1N2DF
1.5nH	±0.3nH	8	—	100	6000	0.07	400	PCD1925CT-ND	.08	.68	5.36	PCD1925TR-ND	10,000	29.00/M	ELJ-RF1N5DF
1.8nH	±0.3nH	8	—	100	6000	0.08	400	PCD1926CT-ND	.08	.68	5.36	PCD1926TR-ND	10,000	29.00/M	ELJ-RF1N8DF
2.2nH	±0.3nH	8	—	100	6000	0.09	400	PCD1927CT-ND	.08	.68	5.36	PCD1927TR-ND	10,000	29.00/M	ELJ-RF2N2DF
2.7nH	±0.3nH	8	—	100	5500	0.10	400	PCD1928CT-ND	.08	.68	5.36	PCD1928TR-ND	10,000	29.00/M	ELJ-RF2N7DF
3.3nH	±0.3nH	8	—	100	5500	0.12	400	PCD1929CT-ND	.08	.68	5.36	PCD1929TR-ND	10,000	29.00/M	ELJ-RF3N3DF
3.9nH	±0.3nH	8	—	100	5200	0.15	360	PCD1930CT-ND	.08	.68	5.36	PCD1930TR-ND	10,000	29.00/M	ELJ-RF3N9DF
4.7nH	±0.3nH	8	—	100	4800	0.17	360	PCD1931CT-ND	.08	.68	5.36	PCD1931TR-ND	10,000	29.00/M	ELJ-RF4N7DF
5.6nH	±0.3nH	8	—	100	4600	0.19	340	PCD1932CT-ND	.08	.68	5.36	PCD1932TR-ND	10,000	29.00/M	ELJ-RF5N6DF
6.8nH	±5%	8	—	100	4000	0.30	320	PCD1933CT-ND	.08	.68	5.36	PCD1933TR-ND	10,000	29.00/M	ELJ-RF6N8JF
8.2nH	±5%	8	—	100	3500	0.35	320	PCD1934CT-ND	.08	.68	5.36	PCD1934TR-ND	10,000	29.00/M	ELJ-RF8N2JF
10nH	±5%	8	—	100	2800	0.41	320	PCD1935CT-ND	.08	.68	5.36	PCD1935TR-ND	10,000	29.00/M	ELJ-RF10NJF
12nH	±5%	8	—	100	2800	0.45	320	PCD1936CT-ND	.08	.68	5.36	PCD1936TR-ND	10,000	29.00/M	ELJ-RF12NJF
15nH	±5%	8	—	100	2500	0.60	240	PCD1937CT-ND	.08	.68	5.36	PCD1937TR-ND	10,000	29.00/M	ELJ-RF15NJF
18nH	±5%	8	—	100	2200	0.70	240	PCD1938CT-ND	.08	.68	5.36	PCD1938TR-ND	10,000	29.00/M	ELJ-RF18NJF
22nH	±5%	8	—	100	2000	0.80	200	PCD1939CT-ND	.08	.68	5.36	PCD1939TR-ND	10,000	29.00/M	ELJ-RF22NJF
27nH	±5%	8	—	100	1800	1.20	200	PCD1940CT-ND	.08	.68	5.36	PCD1940TR-ND	10,000	29.00/M	ELJ-RF27NJF
33nH	±5%	8	—	100	1800	1.40	170	PCD1941CT-ND	.08	.68	5.36	PCD1941TR-ND	10,000	29.00/M	ELJ-RF33NJF

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Induc-tance	Tol-erance	Q Min.	Q Typ. @ 800 MHz	L,Q Test Freq. (MHz)	S.R.F. Min. (MHz)	RDC Max. (Ohm)	IDC Max. (mA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
39nH	±5%	8	—	100	1800	1.70	150	PCD1942CT-ND	.08	.68	5.36	PCD1942TR-ND	10,000	29.00/M	ELJ-RF39NJFB
47nH	±5%	8	—	100	1800	2.10	140	PCD1943CT-ND	.08	.68	5.36	PCD1943TR-ND	10,000	29.00/M	ELJ-RF47NJFB
56nH	±5%	8	—	100	1500	2.50	130	PCD1944CT-ND	.08	.68	5.36	PCD1944TR-ND	10,000	29.00/M	ELJ-RF56NJFB
68nH	±5%	8	—	100	1500	4.50	120	PCD1945CT-ND	.08	.68	5.36	PCD1945TR-ND	10,000	29.00/M	ELJ-RF68NJFB
82nH	±5%	8	—	100	1400	4.50	110	PCD1946CT-ND	.08	.68	5.36	PCD1946TR-ND	10,000	29.00/M	ELJ-RF82NJFB
100nH	±5%	8	—	100	1200	5.50	90	PCD1947CT-ND	.08	.68	5.36	PCD1947TR-ND	10,000	29.00/M	ELJ-RFR10JFB
Fig. 1, 0402 (1005) — Type RF (5% Tolerance)															
1.0nH	±0.3nH	8	21	100	6000	0.05	400	PCD1264CT-ND†	.11	.93	7.29	PCD1264TR-ND	10,000	40.00/M	ELJ-RF1N0DF
1.2nH	±0.3nH	8	21	100	6000	0.06	400	PCD1265CT-ND†	.11	.93	7.29	PCD1265TR-ND	10,000	40.00/M	ELJ-RF1N2DF
1.5nH	±0.3nH	8	21	100	6000	0.07	400	PCD1266CT-ND†	.11	.93	7.29	PCD1266TR-ND	10,000	40.00/M	ELJ-RF1N5DF
1.8nH	±0.3nH	8	21	100	6000	0.08	400	PCD1267CT-ND†	.11	.93	7.29	PCD1267TR-ND	10,000	40.00/M	ELJ-RF1N8DF
2.2nH	±0.3nH	8	21	100	6000	0.09	400	PCD1268CT-ND†	.11	.93	7.29	PCD1268TR-ND	10,000	40.00/M	ELJ-RF2N2DF
2.7nH	±0.3nH	8	21	100	5500	0.10	400	PCD1269CT-ND†	.11	.93	7.29	PCD1269TR-ND	10,000	40.00/M	ELJ-RF2N7DF
3.3nH	±0.3nH	7	21	100	5500	0.12	400	PCD1270CT-ND†	.11	.93	7.29	PCD1270TR-ND	10,000	40.00/M	ELJ-RF3N3DF
3.9nH	±0.3nH	7	20	100	5200	0.15	360	PCD1271CT-ND†	.11	.93	7.29	PCD1271TR-ND	10,000	40.00/M	ELJ-RF3N9DF
4.7nH	±0.3nH	7	20	100	4800	0.17	360	PCD1272CT-ND†	.11	.93	7.29	PCD1272TR-ND	10,000	40.00/M	ELJ-RF4N7DF
5.6nH	±0.3nH	7	20	100	4600	0.19	340	PCD1273CT-ND†	.11	.93	7.29	PCD1273TR-ND	10,000	40.00/M	ELJ-RF5N6DF
6.8nH	5%	7	19	100	4000	0.30	320	PCD1274CT-ND†	.11	.93	7.29	PCD1274TR-ND	10,000	40.00/M	ELJ-RF6N8JF
8.2nH	5%	7	19	100	3500	0.35	320	PCD1275CT-ND†	.11	.93	7.29	PCD1275TR-ND	10,000	40.00/M	ELJ-RF8N2JF
10.0nH	5%	7	19	100	2800	0.41	320	PCD1276CT-ND†	.11	.93	7.29	PCD1276TR-ND	10,000	40.00/M	ELJ-RF10NJF
12.0nH	5%	7	19	100	2800	0.45	320	PCD1277CT-ND†	.11	.93	7.29	PCD1277TR-ND	10,000	40.00/M	ELJ-RF12NJF
15.0nH	5%	7	19	100	2500	0.60	240	PCD1278CT-ND†	.11	.93	7.29	PCD1278TR-ND	10,000	40.00/M	ELJ-RF15NJF
18.0nH	5%	7	19	100	2200	0.70	240	PCD1279CT-ND†	.11	.93	7.29	PCD1279TR-ND	10,000	40.00/M	ELJ-RF18NJF
22nH	5%	7	19	100	2000	0.80	200	PCD1280CT-ND†	.11	.93	7.29	PCD1280TR-ND	10,000	40.00/M	ELJ-RF22NJF
27.0nH	5%	7	19	100	1800	1.20	200	PCD1281CT-ND†	.11	.93	7.29	PCD1281TR-ND	10,000	40.00/M	ELJ-RF27NJF
33.0nH	5%	7	18	100	1800	1.40	170	PCD1282CT-ND†	.11	.93	7.29	PCD1282TR-ND	10,000	40.00/M	ELJ-RF33NJF
39.0nH	5%	7	18	100	1800	1.70	150	PCD1283CT-ND†	.11	.93	7.29	PCD1283TR-ND	10,000	40.00/M	ELJ-RF39NJF
47.0nH	5%	7	—	100	1800	2.10	140	PCD1326CT-ND	.11	.93	7.29	PCD1326TR-ND	10,000	40.00/M	ELJ-RF47NJF
56.0nH	5%	7	—	100	1500	2.50	130	PCD1327CT-ND	.11	.93	7.29	PCD1327TR-ND	10,000	40.00/M	ELJ-RF56NJF
68.0nH	5%	7	—	100	1500	4.00	120	PCD1328CT-ND	.11	.93	7.29	PCD1328TR-ND	10,000	40.00/M	ELJ-RF68NJF
82.0nH	5%	7	—	100	1400	4.50	110	PCD1329CT-ND	.11	.93	7.29	PCD1329TR-ND	10,000	40.00/M	ELJ-RF82NJF
100nH	5%	7	—	100	1200	5.50	90	PCD1330CT-ND	.11	.93	7.29	PCD1330TR-ND	10,000	40.00/M	ELJ-RFR10JF
† PCD3-KIT-ND *Digi-Key® RF Surface Mount Inductors Kit* 10 Each of Values Denoted (200 Total Pieces) $69.95															
Fig. 1, 0402 (1005) — Type PF (5% Tolerance) — RoHS Compliant															
1.2nH	±0.3nH	7	—	100	5300	0.040	1900	PCD1889CT-ND	.17	1.37	10.78	PCD1889TR-ND	10,000	59.00/M	ELJ-PF2N2DFB
1.7nH	±0.3nH	7	—	100	5300	0.050	1800	PCD1890CT-ND	.17	1.37	10.78	PCD1890TR-ND	10,000	59.00/M	ELJ-PF2N7DFB
2.3nH	±0.3nH	7	—	100	5000	0.070	1500	PCD1891CT-ND	.17	1.37	10.78	PCD1891TR-ND	10,000	59.00/M	ELJ-PF3N3DFB
2.9nH	±0.3nH	7	—	100	4800	0.080	1400	PCD1892CT-ND	.17	1.37	10.78	PCD1892TR-ND	10,000	59.00/M	ELJ-PF3N9DFB
3.7nH	±0.3nH	7	—	100	4600	0.100	1300	PCD1893CT-ND	.17	1.37	10.78	PCD1893TR-ND	10,000	59.00/M	ELJ-PF4N7DFB
4.6nH	±0.3nH	7	—	100	4200	0.120	1200	PCD1894CT-ND	.17	1.37	10.78	PCD1894TR-ND	10,000	59.00/M	ELJ-PF5N6DFB
5.8nH	±5%	7	—	100	4000	0.160	1100	PCD1895CT-ND	.17	1.37	10.78	PCD1895TR-ND	10,000	59.00/M	ELJ-PF5N8JFB
7.2nH	±5%	7	—	100	3700	0.210	900	PCD1896CT-ND	.17	1.37	10.78	PCD1896TR-ND	10,000	59.00/M	ELJ-PF8N2JFB
10nH	±5%	7	—	100	3200	0.260	750	PCD1897CT-ND	.17	1.37	10.78	PCD1897TR-ND	10,000	59.00/M	ELJ-PF10NJFB
Fig. 1, 0402 (1005) — Type PF (5% Tolerance)															
1.2nH	±0.3nH	7	—	100	5300	0.04	1900	PCD1539CT-ND	.35	2.91	22.83	PCD1539TR-ND	10,000	124.50/M	ELJ-PF2N2DF
1.7nH	±0.3nH	7	—	100	5300	0.05	1800	PCD1540CT-ND	.35	2.91	22.83	PCD1540TR-ND	10,000	124.50/M	ELJ-PF2N7DF
2.3nH	±0.3nH	7	—	100	5000	0.07	1500	PCD1541CT-ND	.35	2.91	22.83	PCD1541TR-ND	10,000	124.50/M	ELJ-PF3N3DF
2.9nH	±0.3nH	7	—	100	4800	0.08	1400	PCD1542CT-ND	.35	2.91	22.83	PCD1542TR-ND	10,000	124.50/M	ELJ-PF3N9DF
3.7nH	±0.3nH	7	—	100	4600	0.10	1300	PCD1543CT-ND	.35	2.91	22.83	PCD1543TR-ND	10,000	124.50/M	ELJ-PF4N7DF
4.6nH	±0.3nH	7	—	100	4200	0.12	1200	PCD1544CT-ND	.35	2.91	22.83	PCD1544TR-ND	10,000	124.50/M	ELJ-PF5N6DF
5.8nH	5%	7	—	100	4000	0.16	1100	PCD1545CT-ND	.35	2.91	22.83	PCD1545TR-ND	10,000	124.50/M	ELJ-PF6N8JF
7.2nH	5%	7	—	100	3700	0.21	900	PCD1546CT-ND	.35	2.91	22.83	—	—	—	ELJ-PF8N2JF
10.0nH	5%	7	—	100	3200	0.26	750	PCD1547CT-ND	.35	2.91	22.83	PCD1547TR-ND	10,000	124.50/M	ELJ-PF10NJF
Fig. 1, 0402 (1005) — Type QF (5% Tolerance)															
1.0nH	±0.3nH	10	41	100	6000	0.05	400	PCD1846CT-ND	.27	2.21	17.33	PCD1846TR-ND	10,000	95.00/M	ELJ-QF1N0DF
1.2nH	±0.3nH	10	41	100	6000	0.06	400	PCD1847CT-ND	.27	2.21	17.33	PCD1847TR-ND	10,000	95.00/M	ELJ-QF1N2DF
1.5nH	±0.3nH	10	40	100	6000	0.07	400	PCD1848CT-ND	.27	2.21	17.33	PCD1848TR-ND	10,000	95.00/M	ELJ-QF1N5DF
1.8nH	±0.3nH	10	40	100	6000	0.08	400	PCD1849CT-ND	.27	2.21	17.33	PCD1849TR-ND	10,000	95.00/M	ELJ-QF1N8DF
2.2nH	±0.3nH	10	40	100	6000	0.09	400	PCD1850CT-ND	.27	2.21	17.33	PCD1850TR-ND	10,000	95.00/M	ELJ-QF2N2DF
2.7nH	±0.3nH	10	40	100	5500	0.10	400	PCD1851CT-ND	.27	2.21	17.33	PCD1851TR-ND	10,000	95.00/M	ELJ-QF2N7DF
3.3nH	±0.3nH	10	39	100	5500	0.12	400	PCD1852CT-ND	.27	2.21	17.33	PCD1852TR-ND	10,000	95.00/M	ELJ-QF3N3DF
3.9nH	±0.3nH	10	39	100	5200	0.15	360	PCD1853CT-ND	.27	2.21	17.33	PCD1853TR-ND	10,000	95.00/M	ELJ-QF3N9DF
4.7nH	±0.3nH	10	39	100	4800	0.17	360	PCD1854CT-ND	.27	2.21	17.33	PCD1854TR-ND	10,000	95.00/M	ELJ-QF4N7DF
5.6nH	±0.3nH	10	39	100	4600	0.19	340	PCD1855CT-ND	.27	2.21	17.33	PCD1855TR-ND	10,000	95.00/M	ELJ-QF5N6DF
6.8nH	5%	10	39	100	4000	0.30	320	PCD1856CT-ND	.27	2.21	17.33	PCD1856TR-ND	10,000	95.00/M	ELJ-QF6N8JF
8.2nH	5%	10	39	100	3500	0.35	320	PCD1857CT-ND	.27	2.21	17.33	PCD1857TR-ND	10,000	95.00/M	ELJ-QF8N2JF
10nH	5%	10	39	100	2800	0.41	320	PCD1858CT-ND	.27	2.21	17.33	PCD1858TR-ND	10,000	95.00/M	ELJ-QF10NJF
12nH	5%	10	38	100	2800	0.45	320	PCD1859CT-ND	.27	2.21	17.33	PCD1859TR-ND	10,000	95.00/M	ELJ-QF12NJF
15nH	5%	10	36	100	2500	0.60	240	PCD1860CT-ND	.27	2.21	17.33	PCD1860TR-ND	10,000	95.00/M	ELJ-QF15NJF
18nH	5%	10	36	100	2200	0.70	240	PCD1861CT-ND	.27	2.21	17.33	PCD1861TR-ND	10,000	95.00/M	ELJ-QF18NJF
22nH	5%	10	36	100	2200	0.80	200	PCD1862CT-ND	.27	2.21	17.33	PCD1862TR-ND	10,000	95.00/M	ELJ-QF22NJF
27nH	5%	10	35	100	1800	1.20	200	PCD1863CT-ND	.27	2.21	17.33	PCD1863TR-ND	10,000	95.00/M	ELJ-QF27NJF
33nH	5%	10	35	100	1800	1.40	170	PCD1864CT-ND	.27	2.21	17.33	PCD1864TR-ND	10,000	95.00/M	ELJ-QF33NJF
39nH	5%	10	35	100	1800	1.70	150	PCD1865CT-ND	.27	2.21	17.33	PCD1865TR-ND	10,000	95.00/M	ELJ-QF39NJF
Fig. 2, 0603 (1608) — Type RE (2% Tolerance) — RoHS Compliant															
1.0nH	±0.2nH	7	—	100	6000	0.05	500	PCD1990CT-ND	.15	1.23	9.63	PCD1990TR-ND	3,000	53.00/M	ELJ-RE1N0ZFA
1.2nH	±0.2nH	7	—	100	6000	0.06	500	PCD1991CT-ND	.15	1.23	9.63	PCD1991TR-ND	3,000	53.00/M	ELJ-RE1N2ZFA
1.5nH	±0.2nH	8	—	100	6000	0.07	500	PCD1992CT-ND	.15	1.23	9.63	PCD1992TR-ND	3,000	53.00/M	ELJ-RE1N5ZFA
1.8nH	±0.2nH	8	—	100	6000	0.08	500	PCD1993CT-ND	.15	1.23	9.63	PCD1993TR-ND	3,000	53.00/M	ELJ-RE1N8ZFA
2.2nH	±0.2nH	8	—	100	6000	0.09	500	PCD1994CT-ND	.15	1.23	9.63	PCD1994TR-ND	3,000	53.00/M	ELJ-RE2N2ZFA
2.7nH	±0.2nH	8	—	100	6000	0.10	500	PCD1995CT-ND	.15	1.23	9.63	PCD1995TR-ND	3,000	53.00/M	ELJ-RE2N7ZFA
3.3nH	±0.2nH	9	—	100	5500	0.12	500	PCD1996CT-ND	.15	1.23	9.63	PCD1996TR-ND	3,000	53.00/M	ELJ-RE3N3ZFA
3.9nH	±0.2nH	9	—	100	5500	0.15	450	PCD1997CT-ND	.15	1.23	9.63	PCD1997TR-ND	3,000	53.00/M	ELJ-RE3N9ZFA
4.7nH	±0.2nH	9	—	100	4800	0.17	450	PCD1998CT-ND	.15	1.23	9.63	PCD1998TR-ND	3,000	53.00/M	ELJ-RE4N7ZFA
5.6nH	±0.2nH	9	—	100	4600	0.18	430	PCD1999CT-ND	.15	1.23	9.63	PCD1999TR-ND	3,000	53.00/M	ELJ-RE5N6ZFA
6.8nH	±0.2nH	9	—	100	3550	0.20	430	PCD2000CT-ND	.15	1.23	9.63	PCD2000TR-ND	3,000	53.00/M	ELJ-RE6N8ZFA
8.2nH	±0.2nH	9	—	100	3550	0.28	400	PCD2001CT-ND	.15	1.23	9.63	PCD2001TR-ND	3,000	53.00/M	ELJ-RE8N2ZFA
10nH	±2%	10	—	100	2800	0.32	400	PCD2002CT-ND	.15	1.23	9.63	PCD2002TR-ND	3,000	53.00/M	ELJ-RE10NGFA
12nH	±2%	10	—	100	2800	0.35	400	PCD2003CT-ND	.15	1.23	9.63	PCD2003TR-ND	3,000	53.00/M	ELJ-RE12NGFA
15nH	±2%	10	—	100	2500	0.41	350	PCD2004CT-ND	.15	1.23	9.63	PCD2004TR-ND	3,000	53.00/M	ELJ-RE15NGFA
18nH	±2%	10	—	100	2300	0.45	350	PCD2005CT-ND	.15	1.23	9.63	PCD2005TR-ND	3,000	53.00/M	ELJ-RE18NGFA
22nH	±2%	10	—	100	2000	0.50	300	PCD2006CT-ND	.15	1.23	9.63	PCD2006TR-ND	3,000	53.00/M	ELJ-RE22NGFA
27nH	±2%	10	—	100	2000	0.55	300	PCD2007CT-ND	.15	1.23	9.63	PCD2007TR-ND	3,000	53.00/M	ELJ-RE27NGFA
33nH	±2%	10	—	100	1800	0.60	300	PCD2008CT-ND	.15	1.23	9.63	PCD2008TR-ND	3,000	53.00/M	ELJ-RE33NGFA
39nH	±2%	11	—	100	1800	0.80	300	PCD2009CT-ND	.15	1.23	9.63	PCD2009TR-ND	3,000	53.00/M	ELJ-RE39NGFA

(Continued)

Induc-tance	Tol-erance	Q Min.	Q Typ. @ 800 MHz	L,Q Test Freq. (MHz)	S.R.F. Min. (MHz)	RDC Max. (Ohm)	IDC Max. (mA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
47nH	±2%	11	—	100	1800	0.95	250	PCD2010CT-ND	.15	1.23	9.63	PCD2010TR-ND	3,000	53.00/M	ELJ-RE47NGFA
56nH	±2%	12	—	100	1800	1.20	250	PCD2011CT-ND	.15	1.23	9.63	PCD2011TR-ND	3,000	53.00/M	ELJ-RE56NGFA
68nH	±2%	12	—	100	1500	1.30	250	PCD2012CT-ND	.15	1.23	9.63	PCD2012TR-ND	3,000	53.00/M	ELJ-RE68NGFA
82nH	±2%	12	—	100	1500	1.50	250	PCD2013CT-ND	.15	1.23	9.63	PCD2013TR-ND	3,000	53.00/M	ELJ-RE82NGFA
100nH	±2%	12	—	100	1300	1.80	200	PCD2014CT-ND	.15	1.23	9.63	PCD2014TR-ND	3,000	53.00/M	ELJ-RER10GFA
120nH	±2%	5	—	25.2	1200	3.00	130	PCD2015CT-ND	.15	1.23	9.63	PCD2015TR-ND	3,000	53.00/M	ELJ-RER12GFA
150nH	±2%	5	—	25.2	1100	4.50	100	PCD2016CT-ND	.15	1.23	9.63	PCD2016TR-ND	3,000	53.00/M	ELJ-RER15GFA
180nH	±2%	4	—	25.2	1000	6.50	80	PCD2017CT-ND	.15	1.23	9.63	PCD2017TR-ND	3,000	53.00/M	ELJ-RER18GFA
220nH	±2%	4	—	25.2	900	7.50	70	PCD2018CT-ND	.15	1.23	9.63	PCD2018TR-ND	3,000	53.00/M	ELJ-RER22GFA
Fig. 2, 0603 (1608) — Type RE (2% Tolerance)															
1.5nH	±0.2nH	8	47	100	6000	0.07	500	PCD1284CT-ND	.15	1.23	9.63	—	—	—	ELJ-RE1N5ZF2
1.8nH	±0.2nH	8	45	100	6000	0.08	500	PCD1285CT-ND	.15	1.23	9.63	—	—	—	ELJ-RE1N8ZF2
2.2nH	±0.2nH	8	35	100	6000	0.09	500	PCD1286CT-ND	.15	1.23	9.63	PCD1286TR-ND	3,000	52.50/M	ELJ-RE2N2ZF2
2.7nH	±0.2nH	8	35	100	6000	0.10	500	PCD1287CT-ND	.15	1.23	9.63	PCD1287TR-ND	3,000	52.50/M	ELJ-RE2N7ZF2
3.3nH	±0.2nH	9	35	100	5500	0.12	500	PCD1288CT-ND	.15	1.23	9.63	PCD1288TR-ND	3,000	52.50/M	ELJ-RE3N3ZF2
3.9nH	±0.2nH	9	36	100	5500	0.15	450	PCD1289CT-ND	.15	1.23	9.63	PCD1289TR-ND	3,000	52.50/M	ELJ-RE3N9ZF2
4.7nH	±0.2nH	9	36	100	4800	0.17	450	PCD1290CT-ND	.15	1.23	9.63	PCD1290TR-ND	3,000	52.50/M	ELJ-RE4N7ZF2
5.6nH	±0.2nH	9	36	100	4600	0.18	430	PCD1291CT-ND	.15	1.23	9.63	PCD1291TR-ND	3,000	52.50/M	ELJ-RE5N6ZF2
6.8nH	±0.2nH	9	36	100	3550	0.20	430	PCD1292CT-ND	.15	1.23	9.63	PCD1292TR-ND	3,000	52.50/M	ELJ-RE6N8ZF2
8.2nH	±0.2nH	9	36	100	3500	0.28	400	PCD1293CT-ND	.15	1.23	9.63	PCD1293TR-ND	3,000	52.50/M	ELJ-RE8N2ZF2
10nH	2%	10	37	100	2800	0.32	400	PCD1294CT-ND	.15	1.23	9.63	PCD1294TR-ND	3,000	52.50/M	ELJ-RE10NGF2
12nH	2%	10	37	100	2800	0.35	400	PCD1295CT-ND	.15	1.23	9.63	PCD1295TR-ND	3,000	52.50/M	ELJ-RE12NGF2
15nH	2%	10	38	100	2500	0.41	350	PCD1296CT-ND	.15	1.23	9.63	PCD1296TR-ND	3,000	52.50/M	ELJ-RE15NGF2
18nH	2%	10	39	100	2300	0.45	350	PCD1297CT-ND	.15	1.23	9.63	PCD1297TR-ND	3,000	52.50/M	ELJ-RE18NGF2
22nH	2%	10	40	100	2000	0.50	300	PCD1298CT-ND	.15	1.23	9.63	PCD1298TR-ND	3,000	52.50/M	ELJ-RE22NGF2
27nH	2%	10	41	100	2000	0.55	300	PCD1299CT-ND	.15	1.23	9.63	PCD1299TR-ND	3,000	52.50/M	ELJ-RE27NGF2
33nH	2%	10	40	100	1800	0.60	300	PCD1300CT-ND	.15	1.23	9.63	—	—	—	ELJ-RE33NGF2
39nH	2%	11	39	100	1800	0.80	300	PCD1301CT-ND	.15	1.23	9.63	PCD1301TR-ND	3,000	52.50/M	ELJ-RE39NGF2
47nH	2%	11	38	100	1800	0.95	250	PCD1302CT-ND	.15	1.23	9.63	PCD1302TR-ND	3,000	52.50/M	ELJ-RE47NGF2
56nH	2%	12	35	100	1800	1.2	250	PCD1303CT-ND	.15	1.23	9.63	PCD1303TR-ND	3,000	52.50/M	ELJ-RE56NGF2
68nH	2%	12	35	100	1500	1.3	250	PCD1304CT-ND	.15	1.23	9.63	PCD1304TR-ND	3,000	52.50/M	ELJ-RE68NGF2
82nH	2%	12	33	100	1500	1.5	250	PCD1305CT-ND	.15	1.23	9.63	PCD1305TR-ND	3,000	52.50/M	ELJ-RE82NGF2
Fig. 2, 0603 (1608) — Type RE (5% Tolerance) — RoHS Compliant															
1.0nH	±0.3nH	7	—	100	6000	0.05	500	PCD1961CT-ND	.11	.93	7.29	PCD1961TR-ND	3,000	40.00/M	ELJ-RE1N0DF2
1.2nH	±0.3nH	7	—	100	6000	0.06	500	PCD1962CT-ND	.11	.93	7.29	PCD1962TR-ND	3,000	40.00/M	ELJ-RE1N2DF2
1.5nH	±0.3nH	8	—	100	6000	0.07	500	PCD1963CT-ND	.11	.93	7.29	PCD1963TR-ND	3,000	40.00/M	ELJ-RE1N5DF2
1.8nH	±0.3nH	8	—	100	6000	0.08	500	PCD1964CT-ND	.11	.93	7.29	PCD1964TR-ND	3,000	40.00/M	ELJ-RE1N8DF2
2.2nH	±0.3nH	8	—	100	6000	0.09	500	PCD1965CT-ND	.11	.93	7.29	PCD1965TR-ND	3,000	40.00/M	ELJ-RE2N2DF2
2.7nH	±0.3nH	8	—	100	6000	0.10	500	PCD1966CT-ND	.11	.93	7.29	PCD1966TR-ND	3,000	40.00/M	ELJ-RE2N7DF2
3.3nH	±0.3nH	9	—	100	5500	0.12	500	PCD1967CT-ND	.11	.93	7.29	PCD1967TR-ND	3,000	40.00/M	ELJ-RE3N3DF2
3.9nH	±5%	9	—	100	5500	0.15	450	PCD1968CT-ND	.11	.93	7.29	PCD1968TR-ND	3,000	40.00/M	ELJ-RE3N9JF2
4.7nH	±5%	9	—	100	4800	0.17	450	PCD1969CT-ND	.11	.93	7.29	PCD1969TR-ND	3,000	40.00/M	ELJ-RE4N7JF2
5.6nH	±5%	9	—	100	4600	0.18	430	PCD1970CT-ND	.11	.93	7.29	PCD1970TR-ND	3,000	40.00/M	ELJ-RE5N6JF2
6.8nH	±5%	9	—	100	3550	0.20	430	PCD1971CT-ND	.11	.93	7.29	PCD1971TR-ND	3,000	40.00/M	ELJ-RE6N8JF2
8.2nH	±5%	9	—	100	3550	0.28	400	PCD1972CT-ND	.11	.93	7.29	PCD1972TR-ND	3,000	40.00/M	ELJ-RE8N2JF2
10nH	±5%	10	—	100	2800	0.32	400	PCD1973CT-ND	.11	.93	7.29	PCD1973TR-ND	3,000	40.00/M	ELJ-RE10NJF2
12nH	±5%	10	—	100	2800	0.35	400	PCD1974CT-ND	.11	.93	7.29	PCD1974TR-ND	3,000	40.00/M	ELJ-RE12NJF2
15nH	±5%	10	—	100	2500	0.41	350	PCD1975CT-ND	.11	.93	7.29	PCD1975TR-ND	3,000	40.00/M	ELJ-RE15NJF2
18nH	±5%	10	—	100	2300	0.45	350	PCD1976CT-ND	.11	.93	7.29	PCD1976TR-ND	3,000	40.00/M	ELJ-RE18NJF2
22nH	±5%	10	—	100	2000	0.50	300	PCD1977CT-ND	.11	.93	7.29	PCD1977TR-ND	3,000	40.00/M	ELJ-RE22NJF2
27nH	±5%	10	—	100	2000	0.55	300	PCD1978CT-ND	.11	.93	7.29	PCD1978TR-ND	3,000	40.00/M	ELJ-RE27NJF2
33nH	±5%	10	—	100	1800	0.60	300	PCD1979CT-ND	.11	.93	7.29	PCD1979TR-ND	3,000	40.00/M	ELJ-RE33NJF2
39nH	±5%	11	—	100	1800	0.80	300	PCD1980CT-ND	.11	.93	7.29	PCD1980TR-ND	3,000	40.00/M	ELJ-RE39NJF2
47nH	±5%	11	—	100	1800	0.95	250	PCD1981CT-ND	.11	.93	7.29	PCD1981TR-ND	3,000	40.00/M	ELJ-RE47NJF2
56nH	±5%	12	—	100	1800	1.20	250	PCD1982CT-ND	.11	.93	7.29	PCD1982TR-ND	3,000	40.00/M	ELJ-RE56NJF2
68nH	±5%	12	—	100	1500	1.30	250	PCD1983CT-ND	.11	.93	7.29	PCD1983TR-ND	3,000	40.00/M	ELJ-RE68NJF2
82nH	±5%	12	—	100	1500	1.50	250	PCD1984CT-ND	.11	.93	7.29	PCD1984TR-ND	3,000	40.00/M	ELJ-RE82NJF2
100nH	±5%	12	—	100	1300	1.80	200	PCD1985CT-ND	.11	.93	7.29	PCD1985TR-ND	3,000	40.00/M	ELJ-RER10JF2
120nH	±5%	5	—	25.2	1200	3.00	130	PCD1986CT-ND	.11	.93	7.29	PCD1986TR-ND	3,000	40.00/M	ELJ-RER12JF2
150nH	±5%	5	—	25.2	1100	4.50	100	PCD1987CT-ND	.11	.93	7.29	PCD1987TR-ND	3,000	40.00/M	ELJ-RER15JF2
180nH	±5%	4	—	25.2	1000	6.50	80	PCD1988CT-ND	.11	.93	7.29	PCD1988TR-ND	3,000	40.00/M	ELJ-RER18JF2
220nH	±5%	4	—	25.2	900	7.50	70	PCD1989CT-ND	.11	.93	7.29	PCD1989TR-ND	3,000	40.00/M	ELJ-RER22JF2
Fig. 2, 0603 (1608) — Type RE (5% Tolerance)															
1.5nH	±0.3nH	8	47	100	6000	0.07	500	PCD1196CT-ND	.11	.93	7.29	PCD1196TR-ND	3,000	40.00/M	ELJ-RE1N5DF2
1.8nH	±0.3nH	8	45	100	6000	0.08	500	PCD1197CT-ND	.11	.93	7.29	PCD1197TR-ND	3,000	40.00/M	ELJ-RE1N8DF2
2.2nH	±0.3nH	8	35	100	6000	0.09	500	PCD1143CT-ND	.11	.93	7.29	PCD1143TR-ND	3,000	40.00/M	ELJ-RE2N2DF2
2.7nH	±0.3nH	8	35	100	6000	0.10	500	PCD1144CT-ND	.11	.93	7.29	PCD1144TR-ND	3,000	40.00/M	ELJ-RE2N7DF2
3.3nH	±0.3nH	9	35	100	5500	0.12	500	PCD1145CT-ND	.11	.93	7.29	PCD1145TR-ND	3,000	40.00/M	ELJ-RE3N3DF2
3.9nH	5%	9	36	100	5500	0.15	450	PCD1146CT-ND	.11	.93	7.29	PCD1146TR-ND	3,000	40.00/M	ELJ-RE3N9JF2
4.7nH	5%	9	36	100	4800	0.17	450	PCD1147CT-ND	.11	.93	7.29	PCD1147TR-ND	3,000	40.00/M	ELJ-RE4N7JF2
5.6nH	5%	9	36	100	4600	0.18	430	PCD1148CT-ND	.11	.93	7.29	PCD1148TR-ND	3,000	40.00/M	ELJ-RE5N6JF2
6.8nH	5%	9	36	100	3550	0.20	430	PCD1149CT-ND	.11	.93	7.29	PCD1149TR-ND	3,000	40.00/M	ELJ-RE6N8JF2
8.2nH	5%	9	36	100	3500	0.28	400	PCD1150CT-ND	.11	.93	7.29	PCD1150TR-ND	3,000	40.00/M	ELJ-RE8N2JF2
10nH	5%	10	37	100	2800	0.32	400	PCD1151CT-ND	.11	.93	7.29	PCD1151TR-ND	3,000	40.00/M	ELJ-RE10NJF2
12nH	5%	10	37	100	2800	0.35	400	PCD1152CT-ND	.11	.93	7.29	—	—	—	ELJ-RE12NJF2
15nH	5%	10	38	100	2500	0.41	350	PCD1153CT-ND	.11	.93	7.29	PCD1153TR-ND	3,000	40.00/M	ELJ-RE15NJF2
18nH	5%	10	39	100	2300	0.45	350	PCD1154CT-ND	.11	.93	7.29	PCD1154TR-ND	3,000	40.00/M	ELJ-RE18NJF2
22nH	5%	10	40	100	2000	0.50	300	PCD1155CT-ND	.11	.93	7.29	PCD1155TR-ND	3,000	40.00/M	ELJ-RE22NJF2
27nH	5%	10	41	100	2000	0.55	300	PCD1156CT-ND	.11	.93	7.29	PCD1156TR-ND	3,000	40.00/M	ELJ-RE27NJF2
33nH	5%	10	40	100	1800	0.60	300	PCD1157CT-ND	.11	.93	7.29	—	—	—	ELJ-RE33NJF2
39nH	5%	11	39	100	1800	0.80	300	PCD1158CT-ND	.11	.93	7.29	PCD1158TR-ND	3,000	40.00/M	ELJ-RE39NJF2
56nH	5%	12	35	100	1800	1.20	250	PCD1198CT-ND	.11	.93	7.29	PCD1198TR-ND	3,000	40.00/M	ELJ-RE56NJF2
68nH	5%	12	35	100	1500	1.30	250	PCD1199CT-ND	.11	.93	7.29	PCD1199TR-ND	3,000	40.00/M	ELJ-RE68NJF2
82nH	5%	12	33	100	1500	1.50	250	PCD1200CT-ND	.11	.93	7.29	PCD1200TR-ND	3,000	40.00/M	ELJ-RE82NJF2
100nH	5%	12	30	100	1300	1.80	200	PCD1201CT-ND	.11	.93	7.29	PCD1201TR-ND	3,000	40.00/M	ELJ-RER10JF2
150nH	5%	5	22	25.2	1100	4.50	100	PCD1323CT-ND	.11	.93	7.29	PCD1323TR-ND	3,000	40.00/M	ELJ-RER15JF2
180nH	5%	4	20	25.2	1000	6.50	80	PCD1324CT-ND	.11	.93	7.29	PCD1324TR-ND	3,000	40.00/M	ELJ-RER18JF2
220nH	5%	4	—	25.2	900	7.50	70	PCD1325CT-ND	.11	.93	7.29	PCD1325TR-ND	3,000	40.00/M	ELJ-RER22JF2
Fig. 2, 0603 (1608) — Type PE (10% Tolerance) — RoHS Compliant															
2.2nH	±10%	8	—	100	—	30	2100	PCD1948CT-ND	.35	2.91	22.83	PCD1948TR-ND	3,000	125.00/M	ELJ-PE2N2KF
2.7nH	±10%	8	—	100	—	30	2100	PCD1949CT-ND	.35	2.91	22.83	PCD1949TR-ND	3,000	125.00/M	ELJ-PE2N7KF
3.3nH	±10%	8	—	100	—	40	2100	PCD1950CT-ND	.35	2.91	22.83	PCD1950TR-ND	3,000	125.00/M	ELJ-PE3N3KF
3.9nH	±10%	9	—	100	—	40	2100	PCD1951CT-ND	.35	2.91	22.83	PCD1951TR-ND	3,000	125.00/M	ELJ-PE3N9KF
4.7nH	±10%	9	—	100	—	50	2100	PCD1952CT-ND	.35	2.91	22.83	PCD1952TR-ND	3,000	125.00/M	ELJ-PE4N7KF
5.6nH	±10%	9	—	100	—	55	2100	PCD1953CT-ND	.35	2.91	22.83	PCD1953TR-ND	3,000	125.00/M	ELJ-PE5N6KF

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.8nH	±10%	9	—	100	—	55	1900	PCD1954CT-ND	.35	2.91	22.83	PCD1954TR-ND	3,000	125.00/M	ELJ-PE6N8KFA
.2nH	±10%	9	—	100	—	60	1700	PCD1955CT-ND	.35	2.91	22.83	PCD1955TR-ND	3,000	125.00/M	ELJ-PE8N2KFA
0nH	±10%	9	—	100	—	65	1400	PCD1956CT-ND	.35	2.91	22.83	PCD1956TR-ND	3,000	125.00/M	ELJ-PE10NKFA
2nH	±10%	9	—	100	—	80	1300	PCD1957CT-ND	.35	2.91	22.83	PCD1957TR-ND	3,000	125.00/M	ELJ-PE12NKFA
5nH	±10%	9	—	100	—	100	900	PCD1958CT-ND	.35	2.91	22.83	PCD1958TR-ND	3,000	125.00/M	ELJ-PE15NKFA
8nH	±10%	9	—	100	—	120	800	PCD1959CT-ND	.35	2.91	22.83	PCD1959TR-ND	3,000	125.00/M	ELJ-PE18NKFA
2nH	±10%	9	—	100	—	150	700	PCD1960CT-ND	.35	2.91	22.83	PCD1960TR-ND	3,000	125.00/M	ELJ-PE22NKFA
						Fig. 2, 0603 (1608) — Type PE (10% Tolerance)									
2nH	10%	8	—	100	6000	0.030	2.1	PCD1404CT-ND	.35	2.91	22.83	PCD1404TR-ND	3,000	125.00/M	ELJ-PE2N2KF
7nH	10%	8	—	100	5500	0.030	2.1	PCD1405CT-ND	.35	2.91	22.83	PCD1405TR-ND	3,000	125.00/M	ELJ-PE2N7KF
3nH	10%	8	—	100	5500	0.040	2.1	PCD1406CT-ND	.35	2.91	22.83	PCD1406TR-ND	3,000	125.00/M	ELJ-PE3N3KF
9nH	10%	9	—	100	5200	0.040	2.1	PCD1407CT-ND	.35	2.91	22.83	PCD1407TR-ND	3,000	125.00/M	ELJ-PE3N9KF
7nH	10%	9	—	100	4800	0.050	2.1	PCD1408CT-ND	.35	2.91	22.83	PCD1408TR-ND	3,000	125.00/M	ELJ-PE4N7KF
6nH	10%	9	—	100	4600	0.055	2.1	PCD1409CT-ND	.35	2.91	22.83	PCD1409TR-ND	3,000	125.00/M	ELJ-PE5N6KF
8nH	10%	9	—	100	4000	0.055	1.9	PCD1410CT-ND	.35	2.91	22.83	PCD1410TR-ND	3,000	125.00/M	ELJ-PE6N8KF
2nH	10%	9	—	100	3500	0.060	1.7	PCD1411CT-ND	.35	2.91	22.83	PCD1411TR-ND	3,000	125.00/M	ELJ-PE8N2KF
0nH	10%	9	—	100	2800	0.065	1.4	PCD1412CT-ND	.35	2.91	22.83	PCD1412TR-ND	3,000	125.00/M	ELJ-PE10NKF
2nH	10%	9	—	100	2500	0.080	1.3	PCD1413CT-ND	.35	2.91	22.83	PCD1413TR-ND	3,000	125.00/M	ELJ-PE12NKF
5nH	10%	9	—	100	2200	0.100	0.9	PCD1414CT-ND	.35	2.91	22.83	PCD1414TR-ND	3,000	125.00/M	ELJ-PE15NKF
8nH	10%	9	—	100	2000	0.120	0.8	PCD1415CT-ND	.35	2.91	22.83	PCD1415TR-ND	3,000	125.00/M	ELJ-PE18NKF
2nH	10%	9	—	100	1800	0.150	0.7	PCD1416CT-ND	.35	2.91	22.83	PCD1416TR-ND	3,000	125.00/M	ELJ-PE22NKF
						Fig. 3, 0805 (2012) — Type ND (10% Tolerance)									
0nH	10%	10	48	100	3300	0.14	540	PCD1160CT-ND	.35	2.85	22.36	PCD1160TR-ND	3,000	122.00/M	ELJ-ND10NKF
2nH	10%	10	53	100	3300	0.18	535	PCD1161CT-ND	.35	2.85	22.36	PCD1161TR-ND	3,000	122.00/M	ELJ-ND12NKF
5nH	10%	12	55	100	3000	0.18	520	PCD1162CT-ND	.35	2.85	22.36	PCD1162TR-ND	3,000	122.00/M	ELJ-ND15NKF
8nH	10%	12	55	100	3000	0.22	480	PCD1163CT-ND	.35	2.85	22.36	PCD1163TR-ND	3,000	122.00/M	ELJ-ND18NKF
2nH	10%	15	55	100	2600	0.22	465	PCD1164CT-ND	.35	2.85	22.36	PCD1164TR-ND	3,000	122.00/M	ELJ-ND22NKF
7nH	10%	15	57	100	2500	0.26	455	PCD1165CT-ND	.35	2.85	22.36	PCD1165TR-ND	3,000	122.00/M	ELJ-ND27NKF
3nH	10%	15	58	100	2050	0.30	395	PCD1166CT-ND	.35	2.85	22.36	PCD1166TR-ND	3,000	122.00/M	ELJ-ND33NKF
						Fig. 3, 0805 (2012) — Type ND (5% Tolerance)									
2nH	5%	10	53	100	3300	0.18	535	PCD1185CT-ND	.35	2.85	22.36	PCD1185TR-ND	3,000	122.00/M	ELJ-ND12NJF
9nH	5%	15	55	100	2000	0.31	390	PCD1167CT-ND	.35	2.85	22.36	PCD1167TR-ND	3,000	122.00/M	ELJ-ND39NJF
7nH	5%	15	50	100	1650	0.35	385	PCD1168CT-ND	.35	2.85	22.36	PCD1168TR-ND	3,000	122.00/M	ELJ-ND47NJF
3nH	5%	15	45	100	1550	0.39	360	PCD1169CT-ND	.35	2.85	22.36	PCD1169TR-ND	3,000	122.00/M	ELJ-ND56NJF
8nH	5%	15	44	100	1450	0.44	340	PCD1170CT-ND	.35	2.85	22.36	PCD1170TR-ND	3,000	122.00/M	ELJ-ND68NJF
2nH	5%	15	40	100	1100	0.48	330	PCD1171CT-ND	.35	2.85	22.36	PCD1171TR-ND	3,000	122.00/M	ELJ-ND82NJF
0nH	5%	8	35	25.2	800	0.66	285	PCD1172CT-ND	.35	2.85	22.36	PCD1172TR-ND	3,000	122.00/M	ELJ-NDR10JF
0nH	5%	8	—	25.2	600	0.76	275	PCD1173CT-ND	.35	2.85	22.36	PCD1173TR-ND	3,000	122.00/M	ELJ-NDR12JF
0nH	5%	10	—	25.2	600	1.13	230	PCD1174CT-ND	.35	2.85	22.36	PCD1174TR-ND	3,000	122.00/M	ELJ-NDR15JF
0nH	5%	10	—	25.2	600	1.24	195	PCD1175CT-ND	.35	2.85	22.36	PCD1175TR-ND	3,000	122.00/M	ELJ-NDR18JF
0nH	5%	10	—	25.2	500	1.41	170	PCD1176CT-ND	.35	2.85	22.36	PCD1176TR-ND	3,000	122.00/M	ELJ-NDR22JF
0nH	5%	10	—	25.2	300	1.50	165	PCD1177CT-ND	.35	2.85	22.36	PCD1177TR-ND	3,000	122.00/M	ELJ-NDR27JF
0nH	5%	10	—	25.2	200	1.66	160	PCD1178CT-ND	.35	2.85	22.36	PCD1178TR-ND	3,000	122.00/M	ELJ-NDR33JF
0nH	5%	10	—	25.2	150	1.82	150	PCD1179CT-ND	.35	2.85	22.36	PCD1179TR-ND	3,000	122.00/M	ELJ-NDR39JF
0nH	5%	10	—	25.2	150	1.97	145	PCD1180CT-ND	.35	2.85	22.36	PCD1180TR-ND	3,000	122.00/M	ELJ-NDR47JF
0nH	5%	10	—	25.2	100	2.07	140	PCD1181CT-ND	.35	2.85	22.36	PCD1181TR-ND	3,000	122.00/M	ELJ-NDR56JF
0nH	5%	10	—	25.2	100	2.32	130	PCD1182CT-ND	.35	2.85	22.36	PCD1182TR-ND	3,000	122.00/M	ELJ-NDR68JF
0nH	5%	10	—	25.2	80	2.60	125	PCD1183CT-ND	.35	2.85	22.36	PCD1183TR-ND	3,000	122.00/M	ELJ-NDR82JF
00nH	5%	8	—	7.96	80	2.98	120	PCD1184CT-ND	.35	2.85	22.36	PCD1184TR-ND	3,000	122.00/M	ELJ-ND1R0JF
PCD2-KIT-ND	*Digi-Key® ND Surface Mount Inductors Kit* 10 Each of 25 Values (PCD1185CT-ND Not Included) (250 Total Pieces) $99.95														
						Fig. 4, 1008 (2520) — Type NC (10% Tolerance)									
0nH	10%	10	—	100	2500	0.32	280	PCD1037CT-ND	.27	2.26	17.79	PCD1037TR-ND	2,000	97.00/M	ELJ-NC10NKF
2nH	10%	10	—	100	2200	0.34	270	PCD1038CT-ND	.27	2.26	17.79	PCD1038TR-ND	2,000	97.00/M	ELJ-NC12NKF
5nH	10%	10	—	100	1800	0.38	255	PCD1039CT-ND	.27	2.26	17.79	PCD1039TR-ND	2,000	97.00/M	ELJ-NC15NKF
8nH	10%	10	—	100	1550	0.40	250	PCD1040CT-ND	.27	2.26	17.79	PCD1040TR-ND	2,000	97.00/M	ELJ-NC18NKF
2nH	10%	15	—	100	1350	0.43	240	PCD1041CT-ND	.27	2.26	17.79	PCD1041TR-ND	2,000	97.00/M	ELJ-NC22NKF
7nH	10%	15	—	100	1150	0.47	230	PCD1042CT-ND	.27	2.26	17.79	PCD1042TR-ND	2,000	97.00/M	ELJ-NC27NKF
3nH	10%	15	—	100	1000	0.51	220	PCD1043CT-ND	.27	2.26	17.79	PCD1043TR-ND	2,000	97.00/M	ELJ-NC33NKF
9nH	10%	15	—	100	890	0.55	215	PCD1044CT-ND	.27	2.26	17.79	PCD1044TR-ND	2,000	97.00/M	ELJ-NC39NKF
7nH	10%	15	—	100	770	0.59	205	PCD1045CT-ND	.27	2.26	17.79	PCD1045TR-ND	2,000	97.00/M	ELJ-NC47NKF
3nH	10%	15	—	100	670	0.63	200	PCD1046CT-ND	.27	2.26	17.79	PCD1046TR-ND	2,000	97.00/M	ELJ-NC56NKF
8nH	10%	15	—	100	590	0.68	190	PCD1047CT-ND	.27	2.26	17.79	PCD1047TR-ND	2,000	97.00/M	ELJ-NC68NKF
2nH	10%	15	—	100	520	0.73	185	PCD1048CT-ND	.27	2.26	17.79	PCD1048TR-ND	2,000	97.00/M	ELJ-NC82NKF
0nH	10%	10	—	25.2	460	0.80	175	PCD1049CT-ND	.27	2.26	17.79	PCD1049TR-ND	2,000	97.00/M	ELJ-NCR10KF
0nH	10%	10	—	25.2	400	0.87	170	PCD1050CT-ND	.27	2.26	17.79	PCD1050TR-ND	2,000	97.00/M	ELJ-NCR12KF
0nH	10%	10	—	25.2	340	0.98	160	PCD1051CT-ND	.27	2.26	17.79	PCD1051TR-ND	2,000	97.00/M	ELJ-NCR15KF
0nH	10%	10	—	25.2	300	1.05	155	PCD1052CT-ND	.27	2.26	17.79	PCD1052TR-ND	2,000	97.00/M	ELJ-NCR18KF
						Fig. 4, 1008 (2520) — Type NC (5% Tolerance)									
3nH	5%	15	—	100	1000	0.51	220	PCD1202CT-ND	.27	2.26	17.79	PCD1202TR-ND	2,000	97.00/M	ELJ-NC33NJF
9nH	5%	15	—	100	890	0.55	215	PCD1203CT-ND	.27	2.26	17.79	PCD1203TR-ND	2,000	97.00/M	ELJ-NC39NJF
7nH	5%	15	—	100	770	0.59	205	PCD1204CT-ND	.27	2.26	17.79	PCD1204TR-ND	2,000	97.00/M	ELJ-NC47NJF
3nH	5%	15	—	100	670	0.63	200	PCD1205CT-ND	.27	2.26	17.79	PCD1205TR-ND	2,000	97.00/M	ELJ-NC56NJF
8nH	5%	15	—	100	590	0.68	190	PCD1206CT-ND	.27	2.26	17.79	PCD1206TR-ND	2,000	97.00/M	ELJ-NC68NJF
2nH	5%	15	—	100	520	0.73	185	PCD1207CT-ND	.27	2.26	17.79	PCD1207TR-ND	2,000	97.00/M	ELJ-NC82NJF
0nH	5%	10	—	25.2	460	0.80	175	PCD1208CT-ND	.27	2.26	17.79	PCD1208TR-ND	2,000	97.00/M	ELJ-NCR10JF
0nH	5%	10	—	25.2	400	0.87	170	PCD1209CT-ND	.27	2.26	17.79	PCD1209TR-ND	2,000	97.00/M	ELJ-NCR12JF
0nH	5%	10	—	25.2	340	0.98	160	PCD1210CT-ND	.27	2.26	17.79	PCD1210TR-ND	2,000	97.00/M	ELJ-NCR15JF
0nH	5%	10	—	25.2	300	1.05	155	PCD1211CT-ND	.27	2.26	17.79	PCD1211TR-ND	2,000	97.00/M	ELJ-NCR18JF
0nH	5%	10	—	25.2	260	1.15	145	PCD1212CT-ND	.27	2.26	17.79	PCD1212TR-ND	2,000	97.00/M	ELJ-NCR22JF
0nH	5%	10	—	25.2	230	1.25	140	PCD1213CT-ND	.27	2.26	17.79	PCD1213TR-ND	2,000	97.00/M	ELJ-NCR27JF
0nH	5%	10	—	25.2	200	1.37	135	PCD1214CT-ND	.27	2.26	17.79	PCD1214TR-ND	2,000	97.00/M	ELJ-NCR33JF
0nH	5%	10	—	25.2	180	1.47	130	PCD1215CT-ND	.27	2.26	17.79	PCD1215TR-ND	2,000	97.00/M	ELJ-NCR39JF
0nH	5%	10	—	25.2	160	1.58	125	PCD1216CT-ND	.27	2.26	17.79	PCD1216TR-ND	2,000	97.00/M	ELJ-NCR47JF
0nH	5%	10	—	25.2	145	1.70	120	PCD1217CT-ND	.27	2.26	17.79	PCD1217TR-ND	2,000	97.00/M	ELJ-NCR56JF
0nH	5%	10	—	25.2	130	1.85	110	PCD1218CT-ND	.27	2.26	17.79	PCD1218TR-ND	2,000	97.00/M	ELJ-NCR68JF
0nH	5%	10	—	25.2	100	2.10	100	PCD1219CT-ND	.27	2.26	17.79	PCD1219TR-ND	2,000	97.00/M	ELJ-NCR82JF
						Fig. 4, 1008 (2520) — Type FC (20% Tolerance)									
0nH	20%	25	—	25.2	230	0.7	190	PCD1053CT-ND	.27	2.26	17.79	PCD1053TR-ND	2,000	97.00/M	ELJ-FCR22MF
0nH	20%	25	—	25.2	210	0.75	180	PCD1054CT-ND	.27	2.26	17.79	PCD1054TR-ND	2,000	97.00/M	ELJ-FCR27MF
0nH	20%	25	—	25.2	190	0.85	170	PCD1055CT-ND	.27	2.26	17.79	PCD1055TR-ND	2,000	97.00/M	ELJ-FCR33MF
0nH	20%	25	—	25.2	175	0.95	160	PCD1056CT-ND	.27	2.26	17.79	PCD1056TR-ND	2,000	97.00/M	ELJ-FCR39MF
0nH	20%	25	—	25.2	160	1.0	155	PCD1057CT-ND	.27	2.26	17.79	PCD1057TR-ND	2,000	97.00/M	ELJ-FCR47MF
0nH	20%	25	—	25.2	150	1.1	150	PCD1058CT-ND	.27	2.26	17.79	PCD1058TR-ND	2,000	97.00/M	ELJ-FCR56MF

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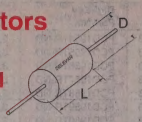
Molded Unshielded RF Coils



Operating Temperature Range: -55°C ~ 125°C (Phenolic Core), -55°C ~ 105°C (Iron and Ferrite Core) **Maximum Power Dissipation @ 90°C:** .21W (Phenolic Core), .09W (Iron Core), .073W (Ferrite Core)

Dimensions		Lead Size	Lead
L	D	AWG #24 (TCW)	Length
.250" (6.35mm)	.095" (2.41mm)	.020" (.51mm)	1.5" (38.1mm)

Induct. (µH)	Q Min.	Test Freq. (MHz)	Max. Current Rating (mA)	Digi-Key Part No.	Price Each 1	10	100	API Delevan Part No.
Series 1025 Phenolic Core (LT4K)								
.12	40	25.0	1300	DN2596-ND	.63	.54	.36	1025-96K
.33	30	25.0	830	DN2508-ND	.63	.54	.36	1025-08K
.39	30	25.0	710	DN2510-ND	.63	.54	.36	1025-10K
.47	30	25.0	660	DN2512-ND	.63	.54	.36	1025-12K
.56	30	25.0	550	DN2514-ND	.63	.54	.36	1025-14K
.68	28	25.0	500	DN2516-ND	.63	.54	.36	1025-16K
.82	28	25.0	420	DN2518-ND	.63	.54	.36	1025-18K
Series 1025 Iron Core (LT10K)								
1.2	25	7.9	620	DN2522-ND	.77	.66	.44	1025-22K
2.2	30	7.9	415	DN2528-ND	.77	.66	.44	1025-28K
2.7	37	7.9	355	DN2530-ND	.77	.66	.44	1025-30K
3.9	45	7.9	263	DN2534-ND	.77	.66	.44	1025-34K
4.7	45	7.9	239	DN2536-ND	.77	.66	.44	1025-36K
5.6	50	7.9	195	DN2538-ND	.77	.66	.44	1025-38K
6.8	50	7.9	185	DN2540-ND	.77	.66	.44	1025-40K
12.0	45	2.5	160	DN2546-ND	.77	.66	.44	1025-46K
15.0	45	2.5	157	DN2548-ND	.77	.66	.44	1025-48K
22.0	50	2.5	144	DN2552-ND	.77	.66	.44	1025-52K
27.0	50	2.5	140	DN2554-ND	.77	.66	.44	1025-54K
Series 1025 Ferrite (LT10K)								
39.0	45	2.5	125	DN2558-ND	.84	.72	.48	1025-58K
68.0	50	2.5	92	DN2564-ND	.84	.72	.48	1025-64K
82.0	50	2.5	88	DN2566-ND	.98	.84	.56	1025-66K
120.0	30	.79	66	DN2570-ND	.98	.84	.56	1025-70K
180.0	30	.79	57	DN2574-ND	.98	.84	.56	1025-74K
220.0	30	.79	52	DN2576-ND	.98	.84	.56	1025-76K
270.0	30	.79	47	DN2578-ND	1.05	.90	.60	1025-78K
330.0	30	.79	45	DN2580-ND	1.05	.90	.60	1025-80K
470.0	30	.79	36	DN2584-ND	1.05	.90	.60	1025-84K
560.0	30	.79	35	DN2586-ND	1.05	.90	.60	1025-86K
680.0	30	.79	30	DN2588-ND	1.05	.90	.60	1025-88K
820.0	30	.79	29	DN2590-ND	1.16	.99	.66	1025-90K
1000.0	30	.79	28	DN2592-ND	1.16	.99	.66	1025-92K

Series 1641
Molded Shielded RF Coils

Operating Temperature Range: -55°C ~ 105°C, **Maximum Power Dissipation @ 90°C:** .11W

Dimensions		Lead Size	Lead
L	D	AWG #22 (TCW)	Length
.410" (10.41mm)	.162" (4.11mm)	.025" (.64mm)	1.44" (36.58mm)

Induct. (µH)	Q Min.	Test Freq. (MHz)	Max. Current Rating (mA)	Digi-Key Part No.	Price Each 1	10	100	API Delevan Part No.
Series 1641 Phenolic Core Iron Sleeve (LT10K)								
.10	50	25.0	1830	DN41101-ND	1.16	.99	.66	1641-101K
.12	51	25.0	1570	DN41121-ND	1.16	.99	.66	1641-121K
.15	51	25.0	1500	DN41151-ND	1.16	.99	.66	1641-151K
.18	50	25.0	1330	DN41181-ND	1.16	.99	.66	1641-181K
.22	49	25.0	1120	DN41221-ND	1.16	.99	.66	1641-221K
.39	44	25.0	680	DN41391-ND	1.16	.99	.66	1641-391K
.47	44	25.0	580	DN41471-ND	1.16	.99	.66	1641-471K
.56	43	25.0	505	DN41561-ND	1.16	.99	.66	1641-561K
.68	42	25.0	430	DN41681-ND	1.16	.99	.66	1641-681K

Induct. (µH)	Q Min.	Test Freq. (MHz)	Max. Current Rating (mA)	Digi-Key Part No.	Price Each 1	10	100	API Delevan Part No.
Series 1641 Iron Core Iron Sleeve (LT10K)								
1.0	44	25.0	1090	DN41102-ND	1.33	1.14	.76	1641-102K
1.2	44	7.9	900	DN41122-ND	1.33	1.14	.76	1641-122K
1.5	44	7.9	835	DN41152-ND	1.33	1.14	.76	1641-152K
1.8	44	7.9	775	DN41182-ND	1.33	1.14	.76	1641-182K
2.2	44	7.9	665	DN41222-ND	1.33	1.14	.76	1641-222K
2.7	44	7.9	545	DN41272-ND	1.33	1.14	.76	1641-272K
3.3	44	7.9	490	DN41332-ND	1.33	1.14	.76	1641-332K
3.9	44	7.9	455	DN41392-ND	1.33	1.14	.76	1641-392K
5.6	44	7.9	340	DN41562-ND	1.33	1.14	.76	1641-562K
6.8	50	7.9	285	DN41682-ND	1.33	1.14	.76	1641-682K
8.2	50	7.9	250	DN41822-ND	1.33	1.14	.76	1641-822K
10.0	50	7.9	228	DN41103-ND	1.33	1.14	.76	1641-103K
12.0	55	2.5	205	DN41123-ND	1.33	1.14	.76	1641-123K
Series 1641 Ferrite Core Ferrite Sleeve (LT10K)								
18.0	45	2.5	305	DN41183-ND	1.33	1.14	.76	1641-183K
22.0	45	2.5	295	DN41223-ND	1.33	1.14	.76	1641-223K
27.0	45	2.5	265	DN41273-ND	1.33	1.14	.76	1641-273K
33.0	45	2.5	248	DN41333-ND	1.33	1.14	.76	1641-333K
39.0	50	2.5	209	DN41393-ND	1.33	1.14	.76	1641-393K
47.0	50	2.5	200	DN41473-ND	1.33	1.14	.76	1641-473K
56.0	50	2.5	194	DN41563-ND	1.33	1.14	.76	1641-563K
68.0	50	2.5	176	DN41683-ND	1.33	1.14	.76	1641-683K
100.0	50	2.5	164	DN41104-ND	1.33	1.14	.76	1641-104K
150.0	55	.79	143	DN41154-ND	1.33	1.14	.76	1641-154K
180.0	55	.79	138	DN41184-ND	1.33	1.14	.76	1641-184K
220.0	55	.79	130	DN41224-ND	1.33	1.14	.76	1641-224K
270.0	55	.79	120	DN41274-ND	1.33	1.14	.76	1641-274K
330.0	55	.79	115	DN41334-ND	1.33	1.14	.76	1641-334K
470.0	60	.79	94	DN41474-ND	1.40	1.20	.80	1641-474K
560.0	60	.79	90	DN41564-ND	1.40	1.20	.80	1641-564K
680.0	60	.79	84	DN41684-ND	1.40	1.20	.80	1641-684K
1000.0	60	.79	70	DN41105-ND	1.40	1.20	.80	1641-105K

Series 2474
Power Inductors

Mechanical Configuration: Units are axial leaded for printed circuit mounting, encapsulated in an epoxy molded case. High resistivity ferrite core allows for high inductance with low DC resistance. **Operating Temperature Range:** -55°C ~ 125°C **Current Rating:** 40°C Rise over 85°C Ambient **Maximum Power Dissipation @ 85°C:** .50W **Inductance:** Measured at 1V with no DC current

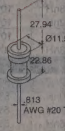
Dimensions		Lead Size	Lead
L	D	AWG #20 (TCW)	Length
.740" (18.80mm)	.240" (6.10mm)	.032" (.81mm)	1.44" (36.58mm)

Induct. (µH)	Max. DC Resist. (Ohms)	Max. Current Rating (Amps)	Digi-Key Part No.	Price Each 1	10	100	API Delevan Part No.
Series 2474 Ferrite Core							
1.0	0.009	6.27	DN7401-ND	2.33	2.00	1.34	2474-01L
1.5	0.011	5.67	DN7403-ND	2.33	2.00	1.34	2474-03L
1.8	0.012	5.43	DN7404-ND	2.33	2.00	1.34	2474-04L
2.2	0.013	5.22	DN7405-ND	2.33	2.00	1.34	2474-05L
2.7	0.014	5.03	DN7406-ND	2.33	2.00	1.34	2474-06L
3.3	0.016	4.70	DN7407-ND	2.33	2.00	1.34	2474-07L
3.9	0.017	4.56	DN7408-ND	2.33	2.00	1.34	2474-08L
4.7	0.022	4.01	DN7409-ND	2.33	2.00	1.34	2474-09L
5.6	0.024	3.84	DN7410-ND	2.33	2.00	1.34	2474-10L
8.2	0.028	3.55	DN7412-ND	2.33	2.00	1.34	2474-12L
10.0	0.033	3.27	DN7413-ND	2.76	2.37	1.58	2474-13L
18.0	0.044	2.84	DN7416-ND	2.76	2.37	1.58	2474-16L
22.0	0.050	2.66	DN7417-ND	2.76	2.37	1.58	2474-17L
27.0	0.070	2.25	DN7418-ND	2.76	2.37	1.58	2474-18L
39.0	0.084	2.05	DN7420-ND	2.76	2.37	1.58	2474-20L
47.0	0.104	1.84	DN7421-ND	2.76	2.37	1.58	2474-21L
56.0	0.130	1.65	DN7422-ND	2.76	2.37	1.58	2474-22L
68.0	0.145	1.56	DN7423-ND	2.76	2.37	1.58	2474-23L
82.0	0.152	1.53	DN7424-ND	2.76	2.37	1.58	2474-24L
100.0	0.208	1.30	DN7425-ND	2.94	2.52	1.68	2474-25L
120.0	0.283	1.12	DN7426-ND	2.94	2.52	1.68	2474-26L
150.0	0.330	1.04	DN7427-ND	2.94	2.52	1.68	2474-27L
180.0	0.362	0.99	DN7428-ND	2.94	2.52	1.68	2474-28L
220.0	0.505	0.84	DN7429-ND	2.94	2.52	1.68	2474-29L
270.0	0.557	0.80	DN7430-ND	2.94	2.52	1.68	2474-30L

Induct. (µH)	Max. DC Resist. (Ohms)	Max. Current Rating (Amps)	Digi-Key Part No.	Price Each 1	10	100	API Delevan Part No.
330.0	0.650	0.74	DN7431-ND	2.94	2.52	1.68	2474
390.0	0.770	0.68	DN7432-ND	2.94	2.52	1.68	2474
470.0	1.03	0.59	DN7433-ND	2.94	2.52	1.68	2474
560.0	1.14	0.56	DN7434-ND	2.94	2.52	1.68	2474
680.0	1.50	0.49	DN7435-ND	2.94	2.52	1.68	2474
820.0	1.98	0.42	DN7436-ND	2.94	2.52	1.68	2474
1200.0	2.55	0.37	DN7438-ND	3.12	2.68	1.79	2474
1500.0	3.00	0.34	DN7439-ND	3.12	2.68	1.79	2474
1800.0	4.00	0.30	DN7440-ND	3.12	2.68	1.79	2474
2200.0	4.40	0.28	DN7441-ND	3.12	2.68	1.79	2474
2700.0	5.80	0.25	DN7442-ND	3.12	2.68	1.79	2474
3300.0	6.56	0.23	DN7443-ND	3.12	2.68	1.79	2474
4700.0	10.1	0.19	DN7445-ND	3.12	2.68	1.79	2474
5600.0	11.2	0.18	DN7446-ND	3.12	2.68	1.79	2474
6800.0	15.0	0.15	DN7447-ND	3.12	2.68	1.79	2474
8200.0	20.8	0.13	DN7448-ND	3.12	2.68	1.79	2474
10000.0	23.4	0.12	DN7449-ND	3.34	2.87	1.91	2474
12000.0	26.0	0.12	DN7450-ND	3.34	2.87	1.91	2474
15000.0	36.0	0.10	DN7451-ND	3.34	2.87	1.91	2474
18000.0	40.0	0.09	DN7452-ND	3.34	2.87	1.91	2474

Series 4590 High Current Filter Inductors

Mechanical Configuration: Ferrite bobbin protected with a flame retardant polyolefin sleeve. High saturation bobbin allows for high inductance with low DCR. High resistivity core offers very high parallel resistance, resulting in maximum coil performance. **Operating Temp.:** -55° ~ 125°C (-55° ~ 85°C @ full rated current) **Maximum Power Dissipation @ 85°C:** .70W **Dielectric Withstanding Voltage:** 2500VRMS



Nom. Induct. ±10% (µH)	Max. DC Resist. (Ohms)	Max. Current Rating (Amps)	Digi-Key Part No.	Price Each 1	10	100	API Delev Part N
3.9	0.007	9.75	DN4495-ND	1.82	1.57	1.05	4590-
6.8	0.011	7.60	DN4498-ND	1.82	1.57	1.05	4590-
8.2	0.013	7.15	DN4499-ND	1.82	1.57	1.05	4590-
10.0	0.016	6.44	DN4500-ND	2.08	1.79	1.19	4590-
15.0	0.020	5.76	DN4502-ND	2.08	1.79	1.19	4590-
22.0	0.024	5.26	DN4504-ND	2.08	1.79	1.19	4590-
27.0	0.025	5.15	DN4505-ND	2.08	1.79	1.19	4590-
33.0	0.028	4.87	DN4506-ND	2.08	1.79	1.19	4590-
39.0	0.028	4.87	DN4507-ND	2.08	1.79	1.19	4590-
56.0	0.043	3.93	DN4509-ND	2.08	1.79	1.19	4590-
68.0	0.059	3.35	DN4510-ND	2.08	1.79	1.19	4590-
82.0	0.066	3.17	DN4511-ND	2.08	1.79	1.19	4590-
100	0.084	2.81	DN4512-ND	2.08	1.79	1.19	4590-
150	0.129	2.27	DN4514-ND	2.08	1.79	1.19	4590-
180	0.150	2.10	DN4515-ND	2.08	1.79	1.19	4590-
220	0.162	2.02	DN4516-ND	2.08	1.79	1.19	4590-
330	0.257	1.61	DN4518-ND	2.08	1.79	1.19	4590-
560	0.504	1.15	DN4521-ND	2.08	1.79	1.19	4590-
680	0.570	1.08	DN4522-ND	2.08	1.79	1.19	4590-
820	0.643	1.01	DN4523-ND	2.08	1.79	1.19	4590-
1000	0.844	0.89	DN4524-ND	2.08	1.79	1.19	4590-
1200	0.977	0.82	DN4525-ND	1.97	1.70	1.13	4590-
1500	1.18	0.75	DN4526-ND	1.97	1.70	1.13	4590-
1800	1.50	0.66	DN4527-ND	1.97	1.70	1.13	4590-
2200	1.76	0.61	DN4528-ND	1.97	1.70	1.13	4590-
2700	2.13	0.56	DN4529-ND	1.97	1.70	1.13	4590-
3300	2.53	0.51	DN4530-ND	1.97	1.70	1.13	4590-
3900	2.84	0.48	DN4531-ND	1.97	1.70	1.13	4590-
4700	3.79	0.41	DN4532-ND	1.82	1.57	1.05	4590-
5600	4.24	0.39	DN4533-ND	1.82	1.57	1.05	4590-
6800	5.75	0.34	DN4534-ND	1.82	1.57	1.05	4590-
8200	6.44	0.32	DN4535-ND	1.82	1.57	1.05	4590-
10000	7.30	0.30	DN4536-ND	1.82	1.57	1.05	4590-
12000	9.34	0.26	DN4537-ND	1.82	1.57	1.05	4590-
15000	10.7	0.25	DN4538-ND	1.82	1.57	1.05	4590-
18000	14.8	0.21	DN4539-ND	1.82	1.57	1.05	4590-
22000	18.0	0.19	DN4540-ND	1.82	1.57	1.05	4590-
27000	22.7	0.17	DN4541-ND	1.82	1.57	1.05	4590-
33000	25.7	0.16	DN4542-ND	1.99	1.71	1.14	4590-
39000	29.7	0.15	DN4543-ND	1.99	1.71	1.14	4590-
47000	33.7	0.14	DN4544-ND	1.99	1.71	1.14	4590-
68000	52.8	0.11	DN4546-ND	1.99	1.71	1.14	4590-

E

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TDK Inductors

LK, MLG and MLF Series

RoHS COMPLIANT

Dim. in mm

Fig. 1 MLK0603 (EIA0201)

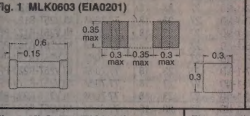


Fig. 2 MLK1005 (EIA0402)

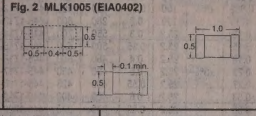


Fig. 3 MLG1608 (EIA0603)

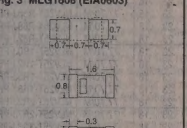


Fig. 4 MLF1608 (EIA0603)

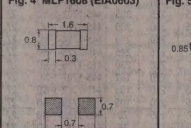
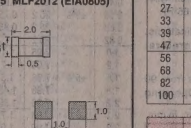


Fig. 5 MLF2012 (EIA0805)



K Series: Supports operating frequency bands of up to 12GHz with nominal inductance values from 1 to 100nH. vides high Q characteristics. Advanced monolithic structure is formed using a lamination and firing process with high-uency ceramic and conductive materials. Because the part is non-polarized, it can be used in bulk cassette loaders. **erating Temperature:** -25°C ~ 85°C

G Series: Supports operating frequency bands of up to 10GHz with nominal inductance values from 1 to 100nH. vides high Q characteristics. Advanced monolithic structure is formed using a lamination and firing process with high-uency ceramic and conductive materials. **Operating Temperature:** -25°C ~ 85°C

F Series - Magnetic Shielded Inductor: TDK's MLF multilayer chip inductor combines high performance with the most npact design available today. MLF inductor's multilayer technology utilizes ferrite paste and electric conductor paste red in a monolithic structure. Sintering of ferrite and electric conductors forms a perfect closed magnetic circuit and a gnetic shield. Magnetic shielding is ideally suited for high density circuit application in disk drives, personal computers, surring equipment, and telephone equipment. **Operating Temperature:** -25°C ~ 85°C

Induct-ance (nH)	Induct-ance Tol.	Test Freq. (MHz)	DC Res. max. (Ω)	Rated Current max. (mA)	SRF min. (GHz)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel§ Pricing 15,000	TDK Part No.
						Fig. 1 — MLK0603					
.0	±0.3nH	100	0.20	300	12.0	445-1570-1-ND	.18	1.47	11.76	51.00/M	MLK0603L1N0S
.2	±0.3nH	100	0.25	300	11.0	445-1571-1-ND	.18	1.47	11.76	51.00/M	MLK0603L1N2S
.5	±0.3nH	100	0.30	300	9.5	445-1572-1-ND	.18	1.47	11.76	51.00/M	MLK0603L1N5S
.8	±0.3nH	100	0.35	300	8.5	445-1573-1-ND	.18	1.47	11.76	51.00/M	MLK0603L1N8S
.2	±0.3nH	100	0.40	300	8.0	445-1574-1-ND	.18	1.47	11.76	51.00/M	MLK0603L2N2S
.7	±0.3nH	100	0.45	300	7.5	445-1575-1-ND	.18	1.47	11.76	51.00/M	MLK0603L2N7S
.3	±0.3nH	100	0.50	200	7.0	445-1576-1-ND	.18	1.47	11.76	51.00/M	MLK0603L3N3S
.9	±0.3nH	100	0.55	200	6.5	445-1577-1-ND	.18	1.47	11.76	51.00/M	MLK0603L3N9S
.7	±0.3nH	100	0.60	200	6.0	445-1578-1-ND	.18	1.47	11.76	51.00/M	MLK0603L4N7S
.6	±5%	100	0.70	200	5.7	445-1579-1-ND	.18	1.47	11.76	51.00/M	MLK0603L5N6S
.8	±5%	100	0.80	200	5.5	445-1580-1-ND	.18	1.47	11.76	51.00/M	MLK0603L6N8J
.2	±5%	100	0.90	200	5.0	445-1581-1-ND	.18	1.47	11.76	51.00/M	MLK0603L8N2J
0	±5%	100	1.00	200	4.7	445-1582-1-ND	.18	1.47	11.76	51.00/M	MLK0603L10NJ
2	±5%	100	1.10	150	4.3	445-1583-1-ND	.18	1.47	11.76	51.00/M	MLK0603L12NJ
5	±5%	100	1.20	150	4.0	445-1584-1-ND	.18	1.47	11.76	51.00/M	MLK0603L15NJ
8	±5%	100	1.40	100	3.7	445-1585-1-ND	.18	1.47	11.76	51.00/M	MLK0603L18NJ
2	±5%	100	1.60	100	3.5	445-1586-1-ND	.18	1.47	11.76	51.00/M	MLK0603L22NJ
						Fig. 2 — MLK1005					
1	±0.3nH	100	0.1	300	12	445-1455-1-ND	.15	1.22	9.72	—	MLK1005S1N0S
.2	±0.3nH	100	0.15	300	11	445-1456-1-ND	.15	1.22	9.72	42.53/M	MLK1005S1N2S
.5	±0.3nH	100	0.16	300	9.5	445-1457-1-ND	.15	1.22	9.72	42.53/M	MLK1005S1N5S
.8	±0.3nH	100	0.2	300	8.5	445-1458-1-ND	.15	1.22	9.72	42.53/M	MLK1005S1N8S
.2	±0.3nH	100	0.21	300	8	445-1459-1-ND	.15	1.22	9.72	42.53/M	MLK1005S2N2S
.7	±0.3nH	100	0.23	300	7.5	445-1460-1-ND	.15	1.22	9.72	42.53/M	MLK1005S2N7S
.3	±0.3nH	100	0.25	300	7	445-1461-1-ND	.15	1.22	9.72	42.53/M	MLK1005S3N3S
.9	±0.3nH	100	0.28	300	6.5	445-1462-1-ND	.15	1.22	9.72	42.53/M	MLK1005S3N9S
.7	±0.3nH	100	0.32	300	6	445-1463-1-ND	.15	1.22	9.72	42.53/M	MLK1005S4N7S
.6	±0.5nH	100	0.35	300	5.7	445-1464-1-ND	.15	1.22	9.72	42.53/M	MLK1005S5N6D
.8	±0.5nH	100	0.38	300	5.5	445-1465-1-ND	.15	1.22	9.72	42.53/M	MLK1005S5N8D
.2	±5%	100	0.42	300	5	445-1466-1-ND	.15	1.22	9.72	42.53/M	MLK1005S8N2D
0	±5%	100	0.45	200	4.7	445-1467-1-ND	.15	1.22	9.72	42.53/M	MLK1005S10NJ
2	±5%	100	0.5	200	4.3	445-1468-1-ND	.15	1.22	9.72	42.53/M	MLK1005S12NJ
5	±5%	100	0.55	200	4	445-1469-1-ND	.15	1.22	9.72	42.53/M	MLK1005S15NJ
8	±5%	100	0.65	200	3.7	445-1470-1-ND	.15	1.22	9.72	42.53/M	MLK1005S18NJ
2	±5%	100	0.75	200	3.5	445-1471-1-ND	.15	1.22	9.72	42.53/M	MLK1005S22NJ
7	±5%	100	0.95	200	3	445-1472-1-ND	.15	1.22	9.72	42.53/M	MLK1005S27NJ
3	±5%	100	1.1	200	2.5	445-1473-1-ND	.15	1.22	9.72	42.53/M	MLK1005S33NJ
9	±5%	100	1.2	100	2	445-1474-1-ND	.15	1.22	9.72	—	MLK1005S39NJ
7	±5%	100	1.3	100	1.8	445-1475-1-ND	.15	1.22	9.72	42.53/M	MLK1005S47NJ
6	±5%	100	1.4	100	1.5	445-1476-1-ND	.15	1.22	9.72	42.53/M	MLK1005S56NJ
8	±5%	100	1.6	100	1.2	445-1477-1-ND	.15	1.22	9.72	42.53/M	MLK1005S68NJ
2	±5%	100	1.8	50	1	445-1478-1-ND	.15	1.22	9.72	42.53/M	MLK1005S82NJ
00	±5%	100	2.2	50	0.8	445-1479-1-ND	.15	1.22	9.72	42.53/M	MLK1005SR10J
						Fig. 3 — MLG1608					
1	±0.3nH	100	0.1	600	10	445-1480-1-ND	.16	1.34	10.68	46.73/M	MLG1608B1N0S
.2	±0.3nH	100	0.1	600	10	445-1481-1-ND	.16	1.34	10.68	46.73/M	MLG1608B1N2S
.5	±0.3nH	100	0.1	600	10	445-1482-1-ND	.16	1.34	10.68	46.73/M	MLG1608B1N5S
.8	±0.3nH	100	0.1	600	9.8	445-1483-1-ND	.16	1.34	10.68	46.73/M	MLG1608B1N8S
.2	±0.3nH	100	0.15	600	7.6	445-1484-1-ND	.16	1.34	10.68	46.73/M	MLG1608B2N2S
.7	±0.3nH	100	0.15	600	7	445-1485-1-ND	.16	1.34	10.68	46.73/M	MLG1608B2N7S

Induct-ance (nH)	Induct-ance Tol.	Test Freq. (MHz)	DC Res. max. (Ω)	Rated Current max. (mA)	SRF min. (GHz)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel§ Pricing 4,000	TDK Part No.
3.3	±0.3nH	100	0.2	600	6.2	445-1486-1-ND	.16	1.34	10.68	46.73/M	MLG1608B3N3S
3.9	±0.3nH	100	0.2	600	5.6	445-1487-1-ND	.16	1.34	10.68	46.73/M	MLG1608B3N9S
4.7	±0.3nH	100	0.2	600	4.8	445-1488-1-ND	.16	1.34	10.68	46.73/M	MLG1608B4N7S
5.6	±0.5nH	100	0.2	600	4.6	445-1489-1-ND	.16	1.34	10.68	46.73/M	MLG1608B5N6D
6.8	±0.5nH	100	0.2	600	4.2	445-1490-1-ND	.16	1.34	10.68	46.73/M	MLG1608B6N8D
8.2	±0.5nH	100	0.25	600	3.6	445-1491-1-ND	.16	1.34	10.68	46.73/M	MLG1608B8N2D
10	±5%	100	0.25	600	3.2	445-1492-1-ND	.16	1.34	10.68	46.73/M	MLG1608B10NJ
12	±5%	100	0.3	600	2.8	445-1493-1-ND	.16	1.34	10.68	46.73/M	MLG1608B12NJ
15	±5%	100	0.35	600	2.6	445-1494-1-ND	.16	1.34	10.68	46.73/M	MLG1608B15NJ
18	±5%	100	0.4	600	2.4	445-1495-1-ND	.16	1.34	10.68	46.73/M	MLG1608B18NJ
22	±5%	100	0.5	500	2	445-1496-1-ND	.16	1.34	10.68	46.73/M	MLG1608B22NJ
27	±5%	100	0.55	500	1.9	445-1497-1-ND	.16	1.34	10.68	46.73/M	MLG1608B27NJ
33	±5%	100	0.6	500	1.6	445-1498-1-ND	.16	1.34	10.68	46.73/M	MLG1608B33NJ
39	±5%	100	0.65	400	1.4	445-1499-1-ND	.16	1.34	10.68	46.73/M	MLG1608B39NJ
47	±5%	100	0.7	400	1.2	445-1500-1-ND	.16	1.34	10.68	46.73/M	MLG1608B47NJ
56	±5%	100	0.75	400	1	445-1501-1-ND	.16	1.34	10.68	46.73/M	MLG1608B56NJ
68	±5%	100	0.8	300	0.9	445-1502-1-ND	.16	1.34	10.68	46.73/M	MLG1608B68NJ
82	±5%	100	0.9	300	0.8	445-1503-1-ND	.16	1.34	10.68	46.73/M	MLG1608B82NJ
100	±5%	100	1	300	0.7	445-1504-1-ND	.16	1.34	10.68	46.73/M	MLG1608B10J

Induct-ance (µH)	Induct-ance Tol.	Test Freq. (MHz)	DC Res. max. (Ω)	Rated Current max. (mA)	SRF min. (MHz)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel§ Pricing 4,000	TDK Part No.
						Fig. 4 — MLF1608					
0.047	±20%	50	0.3	50	260	445-1000-1-ND	.41	3.40	27.20	119.00/M	MLF1608D47NM
0.068	±20%	50	0.3	50	250	445-1001-1-ND	.41	3.40	27.20	119.00/M	MLF1608D68NM
0.082	±20%	50	0.3	50	245	445-1002-1-ND	.41	3.40	27.20	119.00/M	MLF1608D82NM
0.1	±10%	25	0.5	50	240	445-1003-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR10K
0.12	±10%	25	0.5	50	205	445-1004-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR12K
0.15	±10%	25	0.6	50	180	445-1005-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR15K
0.18	±10%	25	0.6	50	165	445-1006-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR18K
0.22	±10%	25	0.8	50	150	445-1007-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR22K
0.27	±10%	25	0.8	50	136	445-1008-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR27K
0.33	±10%	25	0.85	35	125	445-1009-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR33K
0.39	±10%	25	1	35	110	445-1010-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR39K
0.47	±10%	25	1.35	35	105	445-1011-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR47K
0.56	±10%	25	1.55	35	95	445-1012-1-ND	.41	3.40	27.20	119.00/M	MLF1608DR56K
0.68	±10%	25	1.7	35	90	445-1013-1-ND	.41	3.45	27.56	120.58/M	MLF1608DR68K
1.2	±10%	10	0.8	25	65	445-1014-1-ND	.41	3.40	27.20	119.00/M	MLF1608A1R2K
1.5	±10%	10	0.8	25	60	445-1015-1-ND	.41	3.40	27.20	119.00/M	MLF1608A1R5K
1.8	±10%	10	0.95	25	55	445-1016-1-ND	.41	3.40	27.20	119.00/M	MLF1608A1R8K
2.2	±10%	10	1.15	15	50	445-1017-1-ND	.41	3.40	27.20	119.00/M	MLF1608A2R2K
2.7	±10%	10	1.35	15	45	445-1018-1-ND	.41	3.40	27.20	119.00/M	MLF1608A2R7K
3.3	±10%	10	1.55	15	40	445-1019-1-ND	.41	3.40	27.20	119.00/M	MLF1608A3R3K
4.7	±10%	10	2.1	15	33	445-1021-1-ND	.41	3.40	27.20	119.00/M	MLF1608A4R7K
5.6	±10%	4	1.55	5	22	445-1022-1-ND	.41	3.40	27.20	119.00/M	MLF1608E5R6K
6.8	±10%	4	1.7	5	20	445-1023-1-ND	.41	3.40	27.20	119.00/M	MLF1608E6R8K
8.2	±10%	4	2.1	5	18	445-1024-1-ND	.41	3.40	27.20	119.00/M	MLF1608E8R2K
10	±10%	2	1.85	3	17	445-1025-1-ND	.41	3.40	27.20	119.00/M	MLF1608E100K
12	±10%	2	2.1	3	15	445-1026-1-ND	.41	3.40	27.20	—	MLF1608E120K
15	±10%	1	1.7	1	14	445-1027-1-ND	.41	3.40	27.20	119.00/M	MLF1608C150K
18	±10%	1	1.85	1	13	445-1028-1-ND	.41	3.40	27.20	119.00/M	MLF1608C180K
22	±10%	1	2.1	1	11	445-1029-1-ND	.41	3.40	27.20	119.00/M	MLF1608C220K
27	±10%	1	2.75	1	10	445-1030-1-ND	.41	3.40	27.20	119.00/M	MLF1608C270K
33	±10%	1	2.95	1	9	445-1031-1-ND	.41	3.40	27.20	119.00/M	MLF1608C330K
						Fig. 5 — MLF2012					
0.047	±20%	50	0.2	300	320	445-1032-1-ND	.41	3.40	27.20	119.00/M	MLF2012D47NM
0.082	±20%	50	0.2	300	255	445-1034-1-ND	.41	3.40	27.20	119.00/M	MLF2012D82NM
0.1	±10%	25	0.3	250	235	445-1035-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR10K
0.12	±10%	25	0.3	250	220	445-1036-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR12K
0.15	±10%	25	0.4	250	200	445-1037-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR15K
0.22	±10%	25	0.5	250	170	445-1039-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR22K
0.27	±10%	25	0.5	250	150	445-1040-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR27K
0.33	±10%	25	0.55	250	145	445-1041-1-ND	.41	3.40	27.20	119.00/M	MLF2012DR33K
0.39	±10%	25	0.65	200	135	445-1042-1-ND	.43	3.94	32.80	—	MLF2012DR39K
1	±10%	10	0.4	50	75	445-1047-1-ND	.39	3.28	26.24	114.80/M	MLF2012A1R0K
1.2	±10%	10	0.5	50	65	445-1048-1-ND	.41	3.40	27.20	119.00/M	MLF2012A1R2K
1.8	±10%	10	0.6	50	55	445-1050-1-ND	.41	3.40	27.20	119.00/M	MLF2012A1R8K
2.2	±10%	10	0.65	30	50	445-1051-1-ND	.41	3.40	27.20	119.00/M	MLF2012A2R2K
						Fig. 5 — MLF2012					
0.47	±10%	25	0.65	200	125	445-1043-1-ND†	.39	3.28	26.24	114.80/M	MLF2012DR47K
0.56	±10%	25	0.75	150	115	445-1044-1-ND†	.41	3.40	27.20	119.00/M	MLF2012DR56K
0.68	±10%	25	0.8	150	105	445-1045-1-ND†	.39	3.28	26.24	114.80/M	MLF2012DR68K
0.82	±10%	25	1	150	100	445-1046-1-ND†	.41	3.40	27.20	119.00/M	MLF2012DR82K
2.7	±10%	10	0.75	30	45	445-1052-1-ND†	.41	3.40	27.20	119.00/M	MLF2012A2R7K
3.3	±10%	10	0.8	30	41	445-1053-1-ND†	.41	3.40	27.20	119.00/M	MLF2012A3R3K
4.7	±10%	10	1	30	35	445-1055-1-ND†	.39	3.28	26.24	114.80/M	MLF2012A4R7K
5.6	±10%	4	0.9	15	32	445-1056-1-ND†	.41	3.40	27.20	119.00/M	MLF2012E5R6K
6.8	±10%	4	1	15	29	445-1057-1-ND†	.41	3.40	27.20	119.00/M	MLF2012E6R8K
10	±10%	2	1.15	15	24	445-1059-1-ND†	.39	3.28	26.24	114.80/M	MLF2012E100K
12	±10%	2	1.25	15	22	445-1060-1-ND†	.41	3.40	27.20	119.00/M	MLF2012E120K
15	±10%	1	0.8	5	19	445-1061-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C150K
18	±10%	1	0.9	5	18	445-1062-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C180K
22	±10%	1	1.1	5	16	445-1063-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C220K
27	±10%	1	1.15	5	14	445-1064-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C270K
33	±10%	0.4	1.25	5	13	445-1065-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C330K
39	±10%	2	2.9	4	8	445-1066-1-ND†	.41	3.40	27.20	119.00/M	MLF2012K390K
47	±10%	2	3	4	7.5	445-1067-1-ND†	.39	3.28	26.24	—	MLF2012K470K
68	±10%	1	2.9	2	6.5	445-1069-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C680K
100	±10%	1	3.1	2	5.5	445-1071-1-ND†	.41	3.40	27.20	119.00/M	MLF2012C101K

§ For Tape and Reel part number, change 1-ND to 2-ND. † Thickness is 1.25mm

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TDK Inductors

NLFC, NLV, NLCV, NLFV and NLC Series

RoHS COMPLIANT

NLFC Series: This product has good heat durability that withstands lead-free compatible reflow soldering conditions. Lead-free materials are used for the plating on the terminal. The NLFC series features magnetic shielding and is recommended for power supply line applications. DCR: ±30% **Operating Temperature:** -40°C ~ 85°C (-40°F ~ 185°F)

NLV Series: This product supports lead-free solder reflow condition. Lead-free materials are used to terminal plating. This product uses metal terminal, therefore it is high connection reliability. They are wire wound. **Operating Temperature:** -40°C ~ 85°C (-40°F ~ 185°F)

NLCV Series: Lead-free materials are used to terminal plating in this product. **Applications:** • Universal inductance circuit use • AV components • Car electronics • IT equipment This series is a large current type: 1.0 to 33 µH (NLCV32: 1.0 to 330 µH) DCR: ±30% **Operating Temperature:** -40°C ~ 85°C (-40°F ~ 185°F)

NLFV Series: Provides low DC resistance while using 252018 size winding construction. **Applications:** • PCs • Hard disk drives • Other types of electronics DCR: ±20% **Operating Temperature:** -20°C ~ 85°C (-4°F ~ 185°F)

NLC4532 Series: Designed to be used on power lines and support rated current in the range from 90 to 150mA. NLC Series has only half as much DC resistance and twice as much DC current. **Operating Temperature:** -40°C ~ 105°C (-40°F ~ 221°F)

Dim. in mm.

Fig. 1 — NLFC2016 (EIA0805)

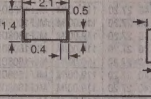


Fig. 2 — NLV32T and NLCV32T (EIA1210)

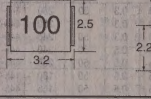


Fig. 3 — NLCV25T, NLFV25 and NLV25T (EIA1008)

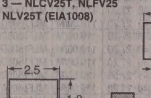
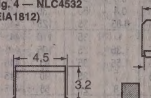


Fig. 4 — NLC4532 (EIA1812)



Inductance (µH)	Inductance Tol.	Test Freq. (MHz)	DC Res. (Ω)	Rated Current Max. (mA)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel§ Pricing 2,000	TDK Part No.
Fig. 1 — NLFC2016 Series											
1.0		7.96	0.16	300	100	445-1897-1-ND	.65	.60	.50	180.00/M	NLFC201614T-1R0M-PF
2.2	±20%	7.96	0.23	240	80	445-1899-1-ND	.65	.60	.50	180.00/M	NLFC201614T-2R2M-PF
4.7		7.96	.4	150	45	445-1900-1-ND	.65	.60	.50	180.00/M	NLFC201614T-4R7M-PF
10	±10%	2.52	0.7	120	32	445-1896-1-ND	.65	.60	.50	180.00/M	NLFC201614T-100K-PF
22		2.52	1.7	75	16	445-1898-1-ND	.65	.60	.50	180.00/M	NLFC201614T-220K-PF
Fig. 2 — NLV32T Series											
0.010		100	0.13	450	2500	445-1505-1-ND	.29	.25	.20	84.53/M	NLV32T-010J-PF
0.015		100	0.16	450	2100	445-1506-1-ND	.29	.25	.20	84.53/M	NLV32T-015J-PF
0.047	±5%	100	0.30	450	1200	445-1509-1-ND	.29	.25	.20	84.53/M	NLV32T-047J-PF
0.10		100	0.44	450	700	445-1511-1-ND	.29	.25	.20	—	NLV32T-R10J-PF
0.15		25.2	0.25	450	450	445-1512-1-ND	.29	.25	.20	84.53/M	NLV32T-R15J-PF
0.22		25.2	0.32	450	350	445-1513-1-ND	.29	.25	.20	84.53/M	NLV32T-R22J-PF
0.33		25.2	0.40	450	300	445-1514-1-ND	.29	.25	.20	84.53/M	NLV32T-R33J-PF
0.47	±5%	25.2	0.50	450	220	445-1515-1-ND	.29	.25	.20	86.94/M	NLV32T-R47J-PF
0.68		25.2	0.60	450	160	445-1516-1-ND	.29	.25	.20	84.53/M	NLV32T-R68J-PF
1.0		7.96	0.70	400	120	445-1517-1-ND	.29	.25	.20	84.53/M	NLV32T-1R0J-PF
1.5		7.96	0.85	370	85	445-1518-1-ND	.29	.25	.20	—	NLV32T-1R5J-PF
2.2		7.96	1.00	320	75	445-1519-1-ND	.29	.25	.20	84.53/M	NLV32T-2R2J-PF
3.3	±5%	7.96	1.20	260	60	445-1520-1-ND	.29	.25	.20	84.53/M	NLV32T-3R3J-PF
4.7		7.96	1.50	220	50	445-1521-1-ND	.29	.25	.20	84.53/M	NLV32T-4R7J-PF
6.8		7.96	1.80	180	40	445-1522-1-ND	.29	.25	.20	—	NLV32T-6R8J-PF
10		2.52	2.10	150	30	445-1523-1-ND	.29	.25	.20	84.53/M	NLV32T-100J-PF
22		2.52	3.70	110	20	445-1525-1-ND	.29	.25	.20	84.53/M	NLV32T-220J-PF
33	±5%	2.52	5.60	70	17	445-1526-1-ND	.29	.25	.20	—	NLV32T-330J-PF
47		2.52	7.00	60	15	445-1527-1-ND	.29	.25	.20	84.53/M	NLV32T-470J-PF
68		2.52	9.00	50	12	445-1528-1-ND	.29	.25	.20	84.53/M	NLV32T-680J-PF
100		0.796	10.00	40	10	445-1529-1-ND	.29	.25	.20	84.53/M	NLV32T-101J-PF
220	±5%	0.796	21.00	50	7	445-1531-1-ND	.29	.25	.20	84.53/M	NLV32T-221J-PF
330		0.796	34.00	40	5	445-1532-1-ND	.29	.25	.20	84.53/M	NLV32T-331J-PF
470		0.796	40.00	25	4	445-1533-1-ND	.29	.25	.20	84.53/M	NLV32T-471J-PF
Fig. 2 — NLCV32T Series											
1.0		7.96	0.08	850	100	445-1534-1-ND	.29	.25	.20	84.53/M	NLCV32T-1R0M-PF
1.5		7.96	.011	700	80	445-1535-1-ND	.29	.25	.20	84.53/M	NLCV32T-1R5M-PF
2.2	±20%	7.96	0.13	600	68	445-1536-1-ND	.29	.25	.20	84.53/M	NLCV32T-2R2M-PF
3.3		7.96	0.16	500	54	445-1537-1-ND	.29	.25	.20	84.53/M	NLCV32T-3R3M-PF
10		2.52	0.36	300	30	445-1538-1-ND	.29	.25	.20	84.53/M	NLCV32T-100K-PF
15		2.52	0.56	250	26	445-1539-1-ND	.29	.25	.20	84.53/M	NLCV32T-150K-PF
22		2.52	0.77	210	21	445-1540-1-ND	.29	.25	.20	84.53/M	NLCV32T-220K-PF
33	±10%	2.52	1.10	170	17	445-1541-1-ND	.29	.25	.20	84.53/M	NLCV32T-330K-PF
47		2.52	1.64	150	14	445-1542-1-ND	.29	.25	.20	84.53/M	NLCV32T-470K-PF
100		0.796	3.70	100	10	445-1543-1-ND	.29	.25	.20	84.53/M	NLCV32T-501K-PF
150		0.796	6.10	85	8	445-1544-1-ND	.29	.25	.20	84.53/M	NLCV32T-151K-PF
220	±10%	0.796	8.40	70	7	445-1545-1-ND	.29	.25	.20	84.53/M	NLCV32T-221K-PF
330		0.796	12.3	60	6	445-1546-1-ND	.29	.25	.20	84.53/M	NLCV32T-331K-PF
Fig. 3 — NLV25T Series											
0.01		100	0.26	530	2150	445-1701-1-ND	.27	.23	.18	77.70/M	NLV25T-010J-PF
0.022		100	0.37	420	1650	445-1705-1-ND	.27	.23	.18	77.70/M	NLV25T-022J-PF
0.027	±5%	100	0.4	410	1550	445-1706-1-ND	.27	.23	.18	77.70/M	NLV25T-027J-PF
0.033		100	0.42	400	1450	445-1707-1-ND	.27	.23	.18	77.70/M	NLV25T-033J-PF
0.039		100	0.45	380	1350	445-1708-1-ND	.27	.23	.18	77.70/M	NLV25T-039J-PF
1.0		7.96	0.34	475	200	445-1752-1-ND	.27	.23	.18	77.70/M	NLCV25T-1R0M-PF
1.5		7.96	0.42	435	165	445-1753-1-ND	.27	.23	.18	77.70/M	NLCV25T-1R5M-PF
2.2	±20%	7.96	0.5	390	95	445-1754-1-ND	.27	.23	.18	77.70/M	NLCV25T-2R2M-PF
3.3		7.96	0.65	340	55	445-1755-1-ND	.27	.23	.18	77.70/M	NLCV25T-3R3M-PF
4.7		7.96	0.8	285	43	445-1756-1-ND	.27	.23	.18	77.70/M	NLCV25T-4R7M-PF
6.8		7.96	1	275	39	445-1757-1-ND	.27	.23	.18	77.70/M	NLCV25T-6R8M-PF
10		2.52	1.69	210	32	445-1750-1-ND	.27	.23	.18	77.70/M	NLCV25T-100K-PF
15		2.52	2.2	175	21	445-1751-1-ND	.27	.23	.18	77.70/M	NLCV25T-150K-PF
22	±10%	2.52	2.8	160	18	445-1758-1-ND	.27	.23	.18	77.70/M	NLCV25T-220K-PF
33		2.52	4.2	120	16	445-1759-1-ND	.27	.23	.18	77.70/M	NLCV25T-330K-PF
Fig. 3 — NLFV25 Series											
1.0		7.96	0.07	455	100	445-1904-1-ND	.64	.60	.50	178.20/M	NLFV25T-1R0M-PF
1.5		7.96	0.09	350	80	445-1905-1-ND	.64	.60	.50	178.20/M	NLFV25T-1R5M-PF
2.2	±20%	7.96	0.1	315	70	445-1907-1-ND	.64	.60	.50	178.20/M	NLFV25T-2R2M-PF
3.3		7.96	0.2	280	55	445-1909-1-ND	.64	.60	.50	178.20/M	NLFV25T-3R3M-PF
4.7		7.96	0.24	210	45	445-1911-1-ND	.64	.60	.50	178.20/M	NLFV25T-4R7M-PF
6.8		7.96	0.29	175	38	445-1913-1-ND	.64	.60	.50	178.20/M	NLFV25T-6R8M-PF
10		2.52	0.36	155	32	445-1901-1-ND	.64	.60	.50	178.20/M	NLFV25T-100K-PF
15		2.52	0.75	130	28	445-1903-1-ND	.64	.60	.50	178.20/M	NLFV25T-150K-PF
22		2.52	1.0	105	16	445-1906-1-ND	.64	.60	.50	178.20/M	NLFV25T-220K-PF
33	±10%	2.52	1.4	85	14	445-1908-1-ND	.64	.60	.50	178.20/M	NLFV25T-330K-PF
47		2.52	1.7	60	11	445-1910-1-ND	.64	.60	.50	178.20/M	NLFV25T-470K-PF
68		2.52	3.3	50	10	445-1912-1-ND	.64	.60	.50	178.20/M	NLFV25T-680K-PF
100		0.796	4.0	40	8	445-1902-1-ND	.64	.60	.50	178.20/M	NLFV25T-101K-PF
Fig. 4 — NLC4532 Series											
1.0		7.96	0.11	1050	200	445-1944-1-ND	.59	.49	.40	85.75	NLC453232T-1R0K-PF
1.2		7.96	0.12	1000	160	445-1945-1-ND	.59	.49	.40	85.75	NLC453232T-1R2K-PF
1.5	±10%	7.96	0.15	950	130	445-1946-1-ND	.59	.49	.40	85.75	NLC453232T-1R5K-PF
1.8		7.96	0.16	900	100	445-1947-1-ND	.59	.49	.40	85.75	NLC453232T-1R8K-PF
2.2		7.96	0.18	850	80	445-1948-1-ND	.59	.49	.40	85.75	NLC453232T-2R2K-PF
2.7		7.96	0.2	800	60	445-1949-1-ND	.59	.49	.40	85.75	NLC453232T-2R7K-PF
3.3		7.96	0.22	750	45	445-1950-1-ND	.59	.49	.40	85.75	NLC453232T-3R3K-PF
3.9	±10%	7.96	0.24	700	40	445-1951-1-ND	.59	.49	.40	85.75	NLC453232T-3R9K-PF
4.7		7.96	0.27	650	35	445-1952-1-ND	.59	.49	.40	85.75	NLC453232T-4R7K-PF
5.6		7.96	0.3	650	30	445-1953-1-ND	.59	.49	.40	85.75	NLC453232T-5R6K-PF
6.8		7.96	0.35	600	28	445-1954-1-ND	.59	.49	.40	85.75	NLC453232T-6R8K-PF
8.2		7.96	0.4	600	25	445-1955-1-ND	.59	.49	.40	85.75	NLC453232T-8R2K-PF
10	±10%	2.52	0.5	550	22	445-1956-1-ND	.59	.49	.40	85.75	NLC453232T-100K-PF
12		2.52	0.6	500	21	445-1957-1-ND	.59	.49	.40	85.75	NLC453232T-120K-PF
15		2.52	0.7	450	20	445-1958-1-ND	.59	.49	.40	85.75	NLC453232T-150K-PF
16		2.52	0.8	400	19	445-1959-1-ND	.59	.49	.40	85.75	NLC453232T-160K-PF
22		2.52	0.9	370	18	445-1960-1-ND	.59	.49	.40	85.75	NLC453232T-220K-PF
27	±10%	2.52	1.2	330	16	445-1961-1-ND	.59	.49	.40	85.75	NLC453232T-270K-PF
33		2.52	1.4	300	14	445-1962-1-ND	.59	.49	.40	85.75	NLC453232T-330K-PF
39		2.52	1.6	280	12	445-1963-1-ND	.59	.49	.40	85.75	NLC453232T-390K-PF
47		2.52	1.9	260	11.5	445-1964-1-ND	.59	.49	.40	85.75	NLC453232T-470K-PF
56		2.52	2.2	240	11	445-1965-1-ND	.59	.49	.40	85.75	NLC453232T-560K-PF
68	±10%	2.52	2.6	220	10	445-1966-1-ND	.59	.49	.40	85.76	NLC453232T-680K-PF
82		2.52	3.5	200	9	445-1967-1-ND	.59	.49	.40	85.75	NLC453232T-820K-PF
100		0.796	4	180	8	445-1968-1-ND	.59	.49	.40	85.75	NLC453232T-101K-PF
120		0.796	4.5	160	7.5	445-1969-1-ND	.59	.49	.40	85.75	NLC453232T-121K-PF
150		0.796	6.5	140	7	445-1970-1-ND	.59	.49	.40	85.75	NLC453232T-151K-PF
180	±10%	0.796	7.5	120	6.5	445-1971-1-ND	.59	.49	.40	85.75	NLC453232T-181K-PF
220		0.796	9	120	5.5	445-1972-1-ND	.59	.49	.40	85.75	NLC453232T-221K-PF
270		0.796	11	100	5	445-1973-1-ND	.59	.49	.40	85.75	NLC453232T-271K-PF
330		0.796	13	90	4	445-1974-1-ND	.59	.49	.40	85.75	NLC453232T-331K-PF

§ For Tape and Reel part number, change the 1-ND to 2-ND.

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EMI Suppression Ferrite Chips and Arrays

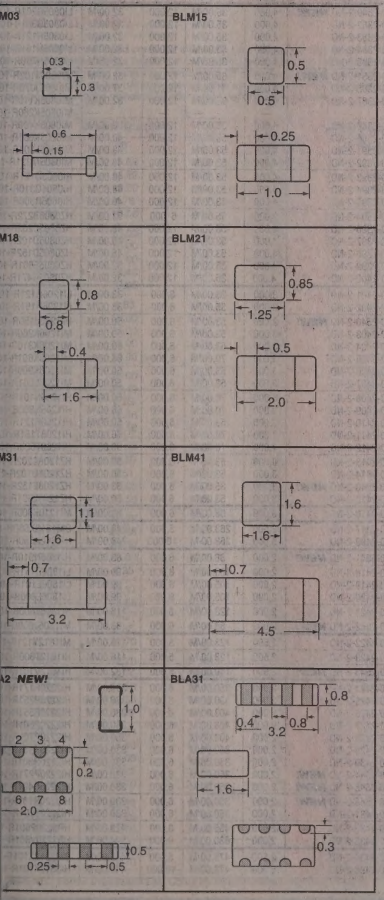
15 Series: The BLM series comprises the A series for standard, and the B series for high d signal. Parts are lead free. The BLM-A series generates an impedance from the relatively frequencies. The BLM-A series is effective in noise suppression in the wide frequency e (30MHz – several hundred MHz). The BLM-B series can minimize attenuation of the al waveform due to its sharp impedance characteristics. Various impedances are available atch signal frequency. The BLM-B series has sharp impedance characteristics. The BLM-H s are suitable for noise suppression in 1GHz or higher frequency range. The BLM15-EG res a low DC resistance and large rated current.

18 Series: The chip ferrite bead BLM18H series comprises ferrite bead inductors in hape of a chip. This inductor generates a high impedance which at high frequencies ly consists of a resistance element. The-BLM18H series is effective in circuits without e ground lines because the BLM18H series does not need a connection to ground. The 8HG, BLM18HD series has a modified internal electrode structure, that minimizes stray citance and increases the effective frequency range. The BLM_H series can provide er levels of impedance well into the GHz range. The BLM18HG is intended for standard l lines as this series provides significant impedance across a broad frequency range. The 8HD provides a sharper roll-off after the cut off frequency. This series is ideal for high d signal lines. The BLM18E series features excellent direct current characteristics. Low DC tance and a large rated current are suitable for noise suppression of the driver circuit. The 8S series can match power lines to a maximum of 6A DC and can be used in high current its due to its low DC resistance.

31 and BLM41 Series: Series can be used in high current circuits due to its low DC rance. It can match power lines to a maximum of 6A DC (BLM41P).

Series: The BLA2AA/AB series provides attenuation across a broad frequency range. types of impedance characteristics are available, one is for the general signal line and the is for high speed signal line. The BLA2 series original inner electrode structure enables low crosstalk.

1 Series: The BLA31A/B is capable of filtering 4 circuits in a 3216 package size. BLA31A/ uitable for EMI suppression in smaller digital equipment.



Impedance (@ 100MHz) (Ω)	Rated Current (mA)	DC Resistance (max.) (Ω)	Digi-Key Part No.	Pricing 10	50	100	Tape & Reel‡ Size	Pricing	MuRata Part No.
BLM03 Series — 0201 Case Size									
10 (Typ.)	500	0.1	490-2555-1-ND	1.49	6.47	11.94	15,000	69.65/M	BLM03AG100SN1D
70 (Typ.)	200	0.5	490-2556-1-ND	1.49	6.47	11.94	15,000	69.65/M	BLM03AG700SN1D
120±25%	200	0.8	490-2557-1-ND	1.49	6.47	11.94	15,000	69.65/M	BLM03AG121SN1D
240±25%	100	1.0	490-2558-1-ND	1.49	6.47	11.94	15,000	69.65/M	BLM03AG241SN1D
BLM15 Series — 0402 Case Size									
120±25%	300	0.55	490-1008-1-ND	.62	2.70	4.98	10,000	29.05/M	BLM15BB121SN1D
120±25%	300	0.7	490-4000-1-ND ***NEW!***	1.20	5.20	9.60	10,000	56.00/M	BLM15HB121SN1D
120±25%	500	0.25	490-1005-1-ND	.62	2.70	4.98	10,000	29.05/M	BLM15AG121SN1D
120±25%	1500	0.095	490-4004-1-ND ***NEW!***	1.13	4.88	9.00	10,000	53.00/M	BLM15EG121SN1D
220±25%	250	1.0	490-4001-1-ND ***NEW!***	1.20	5.20	9.60	10,000	56.00/M	BLM15HB221SN1D
220±25%	700	0.28	490-4005-1-ND ***NEW!***	1.13	4.88	9.00	10,000	53.00/M	BLM15EG221SN1D
600±25%	200	0.65	490-1009-1-ND	.69	2.97	5.49	10,000	32.03/M	BLM15BD601SN1D
600±25%	300	0.60	490-1006-1-ND	.66	2.84	5.25	10,000	30.63/M	BLM15AG601SN1D
600±25%	300	0.7	490-3998-1-ND ***NEW!***	1.41	6.13	11.31	10,000	66.00/M	BLM15HG601SN1D
600±25%	300	0.85	490-4002-1-ND ***NEW!***	1.41	6.13	11.31	10,000	66.00/M	BLM15HD601SN1D
1000±25%	200	0.90	490-1010-1-ND	.69	2.97	5.49	10,000	32.03/M	BLM15BD102SN1D
1000±25%	200	1.00	490-1007-1-ND	.66	2.84	5.25	10,000	30.63/M	BLM15AG102SN1D
1000±25%	250	1.1	490-3999-1-ND ***NEW!***	1.41	6.13	11.31	10,000	66.00/M	BLM15HG102SN1D
1000±25%	250	1.25	490-4003-1-ND ***NEW!***	1.41	6.13	11.31	10,000	66.00/M	BLM15HD102SN1D
BLM18 Series — 0603 Case Size									
22±25%	500	0.35	490-1016-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AA220SN1D
26±25%	6000	0.007	490-3995-1-ND ***NEW!***	1.41	6.11	11.28	10,000	54.00/M	BLM18SG260TN1D
30 (Typ.)	1000	0.05	490-1035-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18PG300SN1D
47±25%	300	0.55	490-1017-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AA470SN1D
60 (Typ.)	500	0.10	490-1036-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18PG600SN1D
75±25%	300	0.70	490-1018-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AA750SN1D
120±25%	200	0.20	490-1011-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AG121SN1D
120±25%	200	0.50	490-1020-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BB121SN1D
120±25%	200	0.90	490-1019-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AA121SN1D
120±25%	2000	0.04	490-3991-1-ND ***NEW!***	1.78	7.70	14.22	4,000	83.00/M	BLM18EG121SN1D
120±25%	2000	0.05	490-1037-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18PG121SN1D
120±25%	3000	0.025	490-3996-1-ND ***NEW!***	1.41	6.11	11.28	10,000	54.00/M	BLM18SG121TN1D
220±25%	200	0.30	490-1012-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AG221SN1D
220±25%	2000	0.05	490-3992-1-ND ***NEW!***	1.78	7.70	14.22	4,000	83.00/M	BLM18EG221SN1D
330±25%	1500	0.070	490-3997-1-ND ***NEW!***	.71	3.09	5.70	10,000	33.00/M	BLM18SG331TN1D
470±25%	50	1.00	490-1021-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BB471SN1D
470±25%	100	1.20	490-1029-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HD471SN1D
470±25%	200	0.50	490-1013-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AG471SN1D
470±25%	200	0.55	490-1022-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD471SN1D
470±25%	200	0.65	490-1032-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HG471SN1D
470±25%	500	0.21	490-3993-1-ND ***NEW!***	1.78	7.70	14.22	4,000	83.00/M	BLM18EG471SN1D
600±25%	100	1.50	490-1030-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HD601SN1D
600±25%	200	0.50	490-1014-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AG601SN1D
600±25%	200	0.65	490-1023-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD601SN1D
600±25%	200	1.00	490-1033-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HG601SN1D
600±25%	500	0.35	490-3994-1-ND ***NEW!***	1.76	7.64	14.10	4,000	82.00/M	BLM18EG601SN1D
1000±25%	50	1.80	490-1031-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HD102SN1D
1000±25%	100	1.60	490-1034-1-ND	1.20	5.20	9.60	4,000	56.00/M	BLM18HG102SN1D
1000±25%	100	0.70	490-1015-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18AG102SN1D
1000±25%	100	0.85	490-1024-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD102SN1D
1500±25%	50	1.20	490-1025-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD152SN1D
1800±25%	50	1.50	490-1026-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD182SN1D
2200±25%	50	1.50	490-1027-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD222SN1D
2500±25%	50	1.50	490-1028-1-ND	.56	2.44	4.50	4,000	26.25/M	BLM18BD252SN1D
BLM21 Series — 0805 Case Size									
30 (Typ.)	3000	0.015	490-1052-1-ND	.71	3.06	5.64	4,000	32.90/M	BLM21PG300SN1D
60 (Typ.)	3000	0.025	490-1053-1-ND	.71	3.06	5.64	4,000	32.90/M	BLM21PG600SN1D
120±25%	200	0.15	490-1038-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21AG121SN1D
120±25%	200	0.25	490-1044-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21BD121SN1D
120±25%	200	0.30	490-1042-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21BB121SN1D
220 (Typ.)	2000	0.050	490-1054-1-ND	.56	2.41	4.44	4,000	25.90/M	BLM21PG221SN1D
470±25%	200	0.25	490-1039-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21AG471SN1D
470±25%	200	0.35	490-1045-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21BD471SN1D
470±25%	200	0.45	490-1043-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21BB471SN1D
600±25%	200	0.30	490-1040-1-ND	.74	3.22	5.94	4,000	34.65/M	BLM21AG601SN1D
600±25%	200	0.35	490-1046-1-ND	.79	3.41	6.30	4,000	36.75/M	BLM21BD601SN1D
1000±25%	200	0.40	490-1047-1-ND	.83	3.58	6.60	4,000	38.50/M	BLM21BD102SN1D
1000±25%	200	0.45	490-1041-1-ND	.83	3.58	6.60	4,000	38.50/M	BLM21AG102SN1D
1500±25%	200	0.45	490-1048-1-ND	1.07	4.63	8.55	4,000	49.88/M	BLM21BD152SN1D
1800±25%	200	0.50	490-1049-1-ND	1.07	4.63	8.55	4,000	49.88/M	BLM21BD182SN1D
2200±25%	200	0.60	490-1050-1-ND	1.07	4.63	8.55	4,000	49.88/M	BLM21BD222TN1D
2700±25%	200	0.80	490-1051-1-ND	1.07	4.63	8.55	3,000	49.88/M	BLM21BD272SN1L
BLM31 Series — 1206 Case Size									
50 (Typ.)	3000	0.025	490-1055-1-ND	2.00	8.65	15.96	3,000	93.10/M	BLM31PG500SN1L
120 (Typ.)	3000	0.025	490-1056-1-ND	2.00	8.65	15.96	3,000	93.10/M	BLM31PG121SN1L
600 (Typ.)	1500	0.09	490-1057-1-ND	2.00	8.65	15.96	3,000	93.10/M	BLM31PG601SN1L
BLM41 Series — 1806 Case Size									
60 (Typ.)	6000	0.01	490-1058-1-ND	2.53	10.95	20.22	2,500	117.96/M	BLM41PG600SN1L
75 (Typ.)	3000	0.025	490-4013-1-ND ***NEW!***	2.53	10.95	20.22	2,500	118.00/M	BLM41PG750SN1L
80 (Typ.)	1000	0.10	490-1059-1-ND	2.17	9.39	17.34	2,500	101.16/M	BLM41PF800SN1L
470 (Typ.)	2000	0.05	490-1060-1-ND	2.33	10.09	18.63	2,500	108.68/M	BLM41PG471SN1L
1000 (Typ.)	1500	0.09	490-1061-1-ND	2.57	11.12	20.52	2,500	119.70/M	BLM41PG102SN1L
NEW! BLA2 Series — 0804 Case Size NEW!									
120±25%	50	0.60	490-4009-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2ABB121SN4D
120±25%	100	0.35	490-4011-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2ABD121SN4D
120±25%	100	0.50	490-4006-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2AAG121SN4D
220±25%	50	0.90	490-4010-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2ABB221SN4D
600±25%	50	1.10	490-4007-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2AAG601SN4D
600±25%	100	0.80	490-4012-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2ABD601SN4D
1000±25%	50	1.00	490-4092-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2ABD102SN4D
1000±25%	50	1.30	490-4008-1-ND	4.71	20.39	37.65	10,000	220.00/M	BLA2AAG102SN4D
BLA31 Series — SMD Array									
120±25%	150	0.20	490-1000-1-ND	4.50	19.50	36.00	4,000	210.00/M	BLA31AG121SN4D
120±25%	150	0.30	490-1003-1-ND	4.50	19.50	36.00	4,000	210.00/M	BLA31BD121SN4D
600±25%	100	0.25	490-1004-1-ND	4.50	19.50	36.00	4,000	210.00/M	BLA31BD601SN4D
600±25%	100	0.45	490-1001-1-ND	4.50	19.50	36.00	4,000	210.00/M	BLA31AG601SN4D
1000±25%	50	0.45	490-1002-1-ND	4.50	19.50	36.00	4,000	210.00/M	BLA31AG102SN4D

‡ For Tape and Reel part number, change 1-ND to 2-ND.

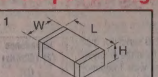
Steward Surface Mount EMI Suppression Ferrite Chips for Signal and Power Filtering

Chips up to 10 Amps continuous operation

Applications:
- Filtering of power input pins of oscillators and logic devices using high speed clocks
- Filtering of low frequency input/output signals entering/exiting shielded enclosures
- High frequency filtering of medium speed clocks and video signals

RoHS Compliant

Fig. 1



Steward's Part Number Prefix Code

HR: High Retention under bias
HI: High Current
MI: Mid Current
LI: Low Current
DM: Differential Mode and U High Current
HZ: High Impedance

Size Code	Dimensions - mm Length	Width	Height	Current Rating IMax (mA) Continuous	Typical Impedance @ 100 MHz	Typical Peak Impedance (Ω)	Peak Impedance Frequency (MHz)	Digi-Key Part No.	Cut Tape Pricing 10	50	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Size	Pricing	Steward Part No.
				200	300 Ω	549	374	240-2360-1-ND	1.13	4.88	9.00	240-2360-2-ND	10,000	53.00/M	30,000	50.00/M	LI0402B301R-10
				400	120 Ω	213	682	240-2361-1-ND	1.13	4.88	9.00	240-2361-2-ND	10,000	53.00/M	30,000	50.00/M	LI0402D121R-10
0402	1.01	0.50	0.50	500	30 Ω	58	1,195	240-2362-1-ND	1.13	4.88	9.00	240-2362-2-ND	10,000	53.00/M	30,000	50.00/M	LI0402E300R-10
				500	60 Ω	97	801	240-2363-1-ND	1.13	4.88	9.00	240-2363-2-ND	10,000	53.00/M	30,000	50.00/M	LI0402E600R-10
				100	600 Ω	965	241	240-2364-1-ND	1.13	4.88	9.00	240-2364-2-ND	10,000	53.00/M	30,000	50.00/M	HZ0402A601R-10
				400	300 Ω	389	261	240-2365-1-ND	.75	3.25	6.00	240-2365-2-ND	4,000	35.00/M	12,000	32.00/M	LI0603D301R-10
				500	150 Ω	209	332	240-2366-1-ND	.75	3.25	6.00	240-2366-2-ND	4,000	35.00/M	12,000	32.00/M	LI0603E151R-10
0603	1.60	0.80	0.80	700	120 Ω	177	389	240-2367-1-ND	.75	3.25	6.00	240-2367-2-ND	4,000	35.00/M	12,000	32.00/M	LI0603G121R-10
				700	220 Ω	283	251	240-2368-1-ND	.75	3.25	6.00	240-2368-2-ND	4,000	35.00/M	12,000	32.00/M	LI0603G221R-10
				700	80 Ω	101	515	240-2369-1-ND	.75	3.25	6.00	240-2369-2-ND	4,000	35.00/M	12,000	32.00/M	LI0603G800R-10
				1,000	60 Ω	96	739	240-2370-1-ND	1.13	4.88	9.00	240-2370-2-ND	4,000	53.00/M	12,000	48.00/M	MI0603J600R-10
				1,000	600 Ω	644	138	240-2371-1-ND	1.13	4.88	9.00	240-2371-2-ND	4,000	53.00/M	12,000	48.00/M	MI0603J601R-10
0603	1.60	0.80	0.80	1,000	68 Ω	107	682	240-2372-1-ND	.75	3.25	6.00	240-2372-2-ND	4,000	35.00/M	12,000	32.00/M	MI0603J680R-10
				1,500	30 Ω	45	940	240-2373-1-ND	.75	3.25	6.00	240-2373-2-ND	4,000	35.00/M	12,000	32.00/M	MI0603K300R-10
				2,000	300 Ω	412	214	240-2374-1-ND	1.13	4.88	9.00	240-2374-2-ND	4,000	53.00/M	12,000	48.00/M	MI0603L301R-10
				2,500	120 Ω	171	457	240-2375-1-ND	1.13	4.88	9.00	240-2375-2-ND	4,000	53.00/M	12,000	48.00/M	MI0603M121R-10
0603	1.60	0.80	0.80	4,000	60 Ω	85	739	240-2376-1-ND	1.13	4.88	9.00	240-2376-2-ND	4,000	53.00/M	12,000	48.00/M	HI0603P600R-10
				100	2,200 Ω	3051	122	240-2377-1-ND	.75	3.25	6.00	240-2377-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0603A222R-10
				200	750 Ω	863	137	240-2547-1-ND ***NEW!***	.75	3.25	6.00	240-2547-2-ND ***NEW!***	4,000	35.00/M	12,000	32.00/M	HZ0603B751R-10
0603	1.60	0.80	0.80	200	1,000 Ω	992	135	240-2378-1-ND	.75	3.25	6.00	240-2378-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0603B102R-10
				200	1,100 Ω	1,539	288	240-2379-1-ND	.75	3.25	6.00	240-2379-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0603B112R-10
				300	600 Ω	775	168	240-2380-1-ND	.75	3.25	6.00	240-2380-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0603C601R-10
				300	650 Ω	964	380	240-2381-1-ND	.75	3.25	6.00	240-2381-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0603C651R-10
				700	200 Ω	272	250	240-2549-1-ND ***NEW!***	.75	3.25	6.00	240-2549-2-ND ***NEW!***	4,000	35.00/M	12,000	32.00/M	LI0805G201R-10
				700	300 Ω	350	205	240-2382-1-ND	.75	3.25	6.00	240-2382-2-ND	4,000	35.00/M	12,000	32.00/M	LI0805G301R-10
0805	2.00	1.25	0.90	800	120 Ω	171	319	240-2383-1-ND	.75	3.25	6.00	240-2383-2-ND	4,000	35.00/M	12,000	32.00/M	LI0805H121R-10
				800	150 Ω	209	374	240-2384-1-ND	.75	3.25	6.00	240-2384-2-ND	4,000	35.00/M	12,000	32.00/M	LI0805H151R-10
				800	75 Ω	132	769	240-2385-1-ND	.75	3.25	6.00	240-2385-2-ND	4,000	35.00/M	12,000	32.00/M	LI0805H750R-10
				1,000	1,000 Ω	1112	120	240-2551-1-ND ***NEW!***	.75	3.25	6.00	240-2551-2-ND ***NEW!***	4,000	35.00/M	12,000	32.00/M	MI0805J102R-10
				1,000	7 Ω	34	2,456	240-2386-1-ND	.88	3.80	7.02	240-2386-2-ND	4,000	41.00/M	12,000	37.00/M	MI0805J070R-10
				1,500	11 Ω	24	3,000	240-2387-1-ND	.75	3.25	6.00	240-2387-2-ND	4,000	35.00/M	12,000	32.00/M	MI0805K110R-10
				1,500	26 Ω	43	1,059	240-2388-1-ND	.88	3.80	7.02	—	—	—	—	—	MI0805K260R-10
0805	2.00	1.25	0.90	1,500	40 Ω	69	903	240-2389-1-ND	.75	3.25	6.00	240-2389-2-ND	4,000	35.00/M	12,000	32.00/M	MI0805K400R-10
				1,500	600 Ω	727	122	240-2390-1-ND	1.13	4.88	9.00	240-2390-2-ND	4,000	53.00/M	12,000	48.00/M	MI0805K601R-10
				2,000	300 Ω	393	197	240-2391-1-ND	1.13	4.88	9.00	240-2391-2-ND	4,000	53.00/M	12,000	48.00/M	MI0805L301R-10
				2,500	220 Ω	284	226	240-2392-1-ND	1.13	4.88	9.00	240-2392-2-ND	4,000	53.00/M	12,000	48.00/M	MI0805M221R-10
				3,500	120 Ω	167	231	240-2393-1-ND	1.13	4.88	9.00	240-2393-2-ND	4,000	53.00/M	12,000	48.00/M	HI0805D121R-10
0805	2.00	1.25	0.90	4,500	31 Ω	45	800	240-2394-1-ND	1.13	4.88	9.00	240-2394-2-ND	4,000	53.00/M	12,000	48.00/M	HI0805G310R-10
				5,000	80 Ω	95	200	240-2395-1-ND	1.13	4.88	9.00	240-2395-2-ND	4,000	53.00/M	12,000	48.00/M	HI0805R800R-10
				200	2,700 Ω	2,894	88	240-2504-1-ND	.75	3.25	6.00	240-2504-2-ND	2,000	35.00/M	6,000	33.00/M	HZ0805B272R-10
				300	2,000 Ω	2,099	100	240-2396-1-ND	1.13	4.88	9.00	240-2396-2-ND	4,000	53.00/M	12,000	48.00/M	HZ0805C202R-10
0805	2.00	1.25	0.90	400	1,000 Ω	1,268	113	240-2397-1-ND	1.13	4.88	9.00	240-2397-2-ND	4,000	53.00/M	12,000	48.00/M	HZ0805D102R-10
				400	1,500 Ω	1,525	110	240-2398-1-ND	1.13	4.88	9.00	240-2398-2-ND	4,000	53.00/M	12,000	48.00/M	HZ0805D152R-10
				500	600 Ω	696	155	240-2399-1-ND	.75	3.25	6.00	240-2399-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0805E601R-10
				700	470 Ω	572	149	240-2400-1-ND	.75	3.25	6.00	240-2400-2-ND	4,000	35.00/M	12,000	32.00/M	HZ0805G471R-10
1206	3.20	1.60	1.10	800	120 Ω	145	422	240-2401-1-ND	.75	3.25	6.00	240-2401-2-ND	3,000	35.00/M	6,000	33.00/M	LI1206H121R-10
					150 Ω	182	241	240-2402-1-ND	.75	3.25	6.00	240-2402-2-ND	3,000	35.00/M	6,000	33.00/M	LI1206H151R-10
				1,000	15 Ω	30	4000	240-2540-1-ND ***NEW!***	1.13	4.88	9.00	240-2540-2-ND ***NEW!***	3,000	53.00/M	6,000	50.00/M	HF1206J150R-10
				1,500	26 Ω	46	940	240-2403-1-ND	1.13	4.88	9.00	240-2403-2-ND	3,000	53.00/M	6,000	50.00/M	MI1206K260R-10
1206	3.20	1.60	1.10	1,500	31 Ω	41	1,018	240-2404-1-ND	1.13	4.88	9.00	240-2404-2-ND	3,000	53.00/M	6,000	50.00/M	MI1206K310R-10
				1,800	600 Ω	662	79	240-2405-1-ND	1.50	6.50	12.00	240-2405-2-ND	3,000	70.00/M	6,000	66.00/M	MI1206K601R-10
				1,500	90 Ω	154	867	240-2406-1-ND	1.13	4.88	9.00	240-2406-2-ND	3,000	53.00/M	6,000	50.00/M	MI1206K900R-10
				2,000	500 Ω	483	85	240-2407-1-ND	1.13	4.88	9.00	240-2407-2-ND	3,000	53.00/M	6,000	50.00/M	MI1206L501R-10
			1.10	3,000	100 Ω	149	684	240-2408-1-ND	1.50	6.50	12.00	240-2408-2-ND	3,000	70.00/M	6,000	66.00/M	HI1206N101R-10
			1.10	3,000	80 Ω	131	903	240-2409-1-ND	1.50	6.50	12.00	240-2409-2-ND	3,000	70.00/M	6,000	66.00/M	HI1206N800R-10
1206	3.20	1.60	1.10	4,000	120 Ω	144	189	240-2410-1-ND	1.13	4.88	9.00	240-2410-2-ND	3,000	53.00/M	6,000	50.00/M	HI1206P121R-10
			1.35	6,000	160 Ω	229	306	240-2411-1-ND	1.50	6.50	12.00	240-2411-2-ND	2,000	70.00/M	6,000	66.00/M	HI1206T161R-10
			1.10	6,000	50 Ω	70	1,018	240-2412-1-ND	1.50	6.50	12.00	240-2412-2-ND	3,000	70.00/M	6,000	66.00/M	HI1206T500R-10
				300	2,000 Ω	2,505	41	240-2413-1-ND	1.13	4.88	9.00	240-2413-2-ND	3,000	53.00/M	6,000	50.00/M	HZ1206C202R-10
				400	1,000 Ω	973	92	240-2414-1-ND	1.13	4.88	9.00	240-2414-2-ND	3,000	53.00/M	6,000	50.00/M	HZ1206D102R-10
1206	3.20	1.60	1.10	500	1,500 Ω	1564	57	240-2548-1-ND ***NEW!***	.75	3.25	6.00	240-2548-2-ND ***NEW!***	3,000	35.00/M	6,000	33.00/M	HZ1206E152R-10
				500	600 Ω	674	75	240-2415-1-ND	1.13	4.88	9.00	240-2415-2-ND	3,000	53.00/M	6,000	50.00/M	HZ1206E601R-10
1210	3.20	2.50	1.40	1,500	60 Ω	100	700	240-2416-1-ND	1.88	8.13	15.00	240-2416-2-ND	3,000	88.00/M	6,000	83.00/M	MI1210K600R-10
1612	4.06	3.05	2.28	10,000	56 Ω	81	940	240-2417-1-ND	5.63	24.38	45.00	240-2417-2-ND	2,500	263.00/M	5,000	248.00/M	DM1612X560R-10
								240-2499-1-ND	5.63	24.38	45.00	240-2499-2-ND	5,000	263.00/M	10,000	248.00/M	HI1612X560R-10
1806	4.50	1.52	1.60	3,000	91 Ω	150	1000	240-2541-1-ND ***NEW!***	1.88	8.13	15.00	240-2541-2-ND ***NEW!***	2,000	88.00/M	6,000	83.00/M	HI1806N910R-10
				300	150 Ω	223	871	240-2418-1-ND	2.25	9.75	18.00	240-2418-2-ND	2,000	105.00/M	6,000	99.00/M	LI1806C151R-10
1806	4.50	1.60	1.60	500	100 Ω	166	966	240-2419-1-ND	2.25	9.75	18.00	240-2419-2-ND	2,000	105.00/M	6,000	99.00/M	LI1806E101R-10
				500	80 Ω	117	1,103	240-2420-1-ND	2.25	9.75	18.00	240-2420-2-ND	2,000	105.00/M	6,000	99.00/M	LI1806E800R-10
1806	4.50	1.60	1.60	5,000	60 Ω	92	1,000	240-2421-1-ND	2.63	11.38	21.00	240-2421-2-ND	2,000	123.00/M	6,000	116.00/M	HI1806T600R-10
				1,000	80 Ω	119	903	240-2552-1-ND ***NEW!***	1.88	8.13	15.00	240-2552-2-ND ***NEW!***	2,000	88.00/M	6,000	83.00/M	MI1806J800R-10
1812	4.50	3.20	1.40	1,500	120 Ω	170	800	240-2422-1-ND	2.63	11.38	21.00	240-2422-2-ND	2,500	123.00/M	5,000	116.00/M	MI1812K121R-10
1812	4.50	3.20	1.40	6,000	80 Ω	108	1,000	240-2423-1-ND	2.63	11.38	21.00	240-2423-2-ND	2,500	123.00/M	5,000	116.00/M	HI1812T800R-10
1812	4.50	3.20	2.30	8,000	100 Ω	139	800	240-2543-1-ND ***NEW!***	3.00	13.00	24.00	240-2543-2-ND ***NEW!***	2,500	140.00/M	5,000	132.00/M	HI1812V101R-10
			1.52	4,000	170 Ω	256	581	240-2424-1-ND	7.50	32.50	60.00	240-2424-2-ND	2,000	350.00/M	6,000	330.00/M	HI2220P171R-10
			1.80	4,000	250 Ω	289	205	240-2425-1-ND	7.50	32.50	60.00	240-2425-2-ND	2,000	350.00/M	6,000	330.00/M	HI2220P251R-10
			1.97	4,000	550 Ω	851	272	240-2426-1-ND	8.63	37.38	69.00	240-2426-2-ND	2,000	403.00/M	6,000	380.00/M	HI2220P551R-10
			3.05	4,000	600 Ω	764	79	240-2427-1-ND	8.63	37.38	69.00	240-2427-2-ND	2,000	403.00/M	6,000	380.00/M	HI2220P601R-10
2220	5.59	5.08	3.05	4,000	700 Ω	634	100	240-2428-1-ND	8.63	37.38	69.00	240-2428-2-ND	2,000	403.00/M	6,000	380.00/M	HI2220P701R-10
			1.80	5,000	150 Ω	226	581	240-2429-1-ND	7.50	32.50	60.00	240-2429-2-ND	2,000	350.00/M	6,000	330.00/M	HI2220R151R-10
			3.20	5,000	300 Ω	374	189	240-2430-1-ND	7.50	32.50	60.00	240-2430-2-ND	2,000	350.00/M	6,000	330.00/M	HI2220R301R-10
			3.20	4,000	270 Ω	390	300	240-2544-1-ND ***NEW!***	7.50	32.50	60.00	240-2544-2-ND ***NEW!***	2,000	350.00/M	6,000	330.00/M	HI2220P271R-10
			3.20	4,500	400 Ω	450	150	240-2545-1-ND ***NEW!***	7.50	32.50	60.00	240-2545-2-ND ***NEW!***	2,000	350.00/M	6,000	330.00/M	HI2220Q401R-10
2220	5.59	5.08	1.80	5,000	180 Ω	270	400	240-2546-1-ND ***NEW!***	7.50	32.50	60.00	240-2546-2-ND ***NEW!***	2,000	350.00/M	6,000	330.00/M	HI2220R181R-10
				6,000	100 Ω	158	655	240-2431-1-ND	7.50	32.50	60.00	240-2431-2-ND	2,000	350.00/M	6,000	330.00/M	HI2220T101R-10
2220	5.59	5.08	3.05	4,000	600 Ω	623	104	240-2432-1-ND	9.75	42.25	78.00	240-2432-2-ND	2,000	455.00/M	6,000	429.00/M	HR2220P601R-10
			3.61	8,000	800 Ω	791	96	240-2433-1-ND	13.50	58.50	108.00	240-2433-2-ND	2,000	630.00/M	6,000	594.00/M	HR2220V801R-10
3312	8.50	3.05	2.28	10,000	100 Ω	173	1,059	240-2434-1-ND	10.13	43.88	81.00	240-2434-2-ND	2,500	473.00/M	5,000	446.00/M	DM3312X101R-10
								240-2498-1-ND	10.13	43.88	81.00	240-2498-2-ND	5,000	473.00/M	10,000	446.00/M	HI3312X101R-10

240-2227-ND Surface Mount Ferrite Chip Bead Sample Kit (10-30 samples each of over 70 parts, 0402 to 3312 sizes) $6

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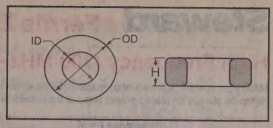
Steward

NEW! Ferrite Inductor Toroids



teward's ferrite toroids provide high performance when wound and used as cores for transformers, inductors, or chokes. Steward offers materials which provide the igh inductance and low losses desired for high frequency transformers, materials which provide high impedance for low frequency EMI suppression, and materials hich provide high impedance for high frequency EMI suppression.

Dimensions mm (inches)			NOM (μH)		Frequency	Digi-Key	Price Each			Steward
OD	ID	H	@1 turn	@10 turns	(@100 kHz)	Part No.	1	10	50	Part No.
10.55 (.415)	3.73 (.147)	4.07 (.160)	2.214	221.4	10	240-2522-ND	.18	.16	.14	35T0375-10H
13.72 (.540)	6.90 (.272)	7.29 (.287)	2.968	296.8	10	240-2523-ND	.22	.19	.16	35T0500-10H
13.72 (.540)	6.12 (.241)	7.29 (.287)	3.659	365.9	10	240-2524-ND	.23	.20	.17	35T0501-10H
23.24 (.915)	12.57 (.495)	7.29 (.287)	3.020	302.0	10	240-2525-ND	.76	.64	.55	35T0870-00H
26.67 (1.050)	14.23 (.560)	11.02 (.434)	4.830	483.0	10	240-2526-ND	1.19	.99	.85	35T1000-00H
30.27 (1.192)	17.73 (.698)	8.43 (.332)	3.169	316.9	10	240-2527-ND	1.27	1.05	.91	35T1142-00H
37.27 (1.467)	21.73 (.856)	11.02 (.434)	4.453	445.3	10	240-2528-ND	2.51	2.09	1.80	35T1417-00H
37.27 (1.467)	21.73 (.856)	16.02 (.631)	6.743	674.3	10	240-2529-ND	3.29	2.73	2.36	35T1417-10H
10.67 (.420)	3.61 (.142)	4.07 (.160)	4.429	442.9	4	240-2530-ND	.20	.17	.15	40T0375-10H
13.84 (.545)	6.78 (.267)	7.29 (.287)	5.936	593.6	4	240-2531-ND	.25	.21	.18	40T0500-10H
13.84 (.545)	5.99 (.236)	7.29 (.287)	7.318	731.8	4	240-2532-ND	.27	.22	.19	40T0501-10H
23.44 (.923)	12.37 (.487)	7.29 (.287)	6.040	604.0	4	240-2533-ND	.87	.73	.63	40T0870-00H
26.92 (1.060)	13.98 (.550)	11.14 (.439)	9.660	966.0	4	240-2534-ND	1.37	1.14	.98	40T1000-00H
30.52 (1.202)	17.48 (.688)	8.43 (.332)	6.337	633.7	4	240-2535-ND	1.83	1.52	1.31	40T1142-00H
37.52 (1.477)	21.48 (.846)	11.14 (.439)	9.085	908.5	4	240-2536-ND	3.00	2.49	2.15	40T1417-00H
37.52 (1.477)	21.48 (.846)	16.1 4 (.635)	13.442	1344.2	4	240-2537-ND	3.46	2.88	2.48	40T1417-10H

Ferrite Cylinders and Toroids for Electromagnetic Interference (EMI)
Broad Band (optimized 30 MHz – 800 MHz +) Bead Cores for Round Cables & Wire Bundles

Fig. 1

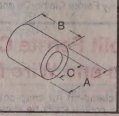
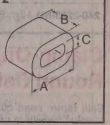


Fig. 2



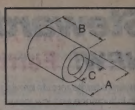
he-piece ferrite tubular bead cores for effectively attenuating a broad range of conducted and radiated electromagnetic interference (EMI). Install over round bles or wire bundles. Ferrite beads can be over molded or covered with heat shrink coating if desired. Additional wire turns will multiply impedance. Steward's lindrical beads for round cables in Broad Band 28 material provide the smallest and most cost effective EMI solution when filtering both common mode and ferential mode EMI on internal and external cable assemblies. By using Steward's high performance material, one is able to use the smallest and lowest weight re size possible with the highest EMI attenuation performance available.

Dimensions (mm)			Typical Impedance Ω			Digi-Key	Pricing					Steward
A	B	C	@ 50 MHz	@ 100 MHz	@ 300 MHz	Part No.	1	10	50	100	500	Part No.
6.35	15.88	3.18	131	182	300	240-2289-ND	.18	1.45	6.25	11.25	45.00	28B0250-100
6.78	14.22	3.99	100	138	260	240-2112-ND	.18	1.45	6.25	11.25	45.00	28B0268-000
7.00	13.50	3.80	84	146	268	240-2290-ND	.18	1.45	6.25	11.25	45.00	28B0275-000
8.00	4.78	3.17	69	100	220	240-2291-ND	.11	.87	3.75	6.75	27.00	28B0315-000
8.00	10.06	3.17	112	158	281	240-2292-ND	.21	1.74	7.50	13.50	54.00	28B0315-100
8.60	10.00	3.80	85	143	264	240-2293-ND	.18	1.45	6.25	11.25	45.00	28B0339-000
9.00	10.00	4.50	93	132	254	240-2294-ND	.16	1.34	5.78	10.40	41.58	28B0354-000
9.00	20.00	4.75	148	205	360	240-2295-ND	.32	2.61	11.25	20.25	81.00	28B0355-000
9.53	14.48	5.08	114	154	282	240-2067-ND	.25	2.03	8.75	15.75	63.00	28B0375-100
9.53	19.05	5.08	146	194	310	240-2113-ND	.28	2.32	10.00	18.00	72.00	28B0375-300
9.53	4.83	5.08	52	81	200	240-2296-ND	.14	1.16	5.00	9.00	36.00	28B0375-400
9.75	10.00	3.80	125	159	286	240-2297-ND	.25	2.03	8.75	15.75	63.00	28B0384-000
9.75	25.00	3.80	254	322	473	240-2298-ND	.46	3.77	16.25	29.25	117.00	28B0384-200
9.91	15.00	6.35	88	128	248	240-2299-ND	.21	1.74	7.50	13.50	54.00	28B0390-200
12.00	10.00	3.55	152	195	320	240-2240-ND	.28	2.32	10.00	18.00	72.00	28B0473-000
12.00	25.00	3.55	318	424	558	240-2241-ND	.63	5.22	22.50	40.50	162.00	28B0473-200
12.32	25.40	4.88	253	320	450	240-2114-ND	.63	5.22	22.50	40.50	162.00	28B0485-000
12.70	6.35	7.92	52	83	200	240-2301-ND	.21	1.74	7.50	13.50	54.00	28B0500-100
14.27	10.16	6.35	101	145	270	240-2302-ND	.35	2.90	12.50	22.50	90.00	28B0562-000
14.27	28.58	6.35	262	317	470	240-2078-ND	.53	4.35	18.75	33.75	135.00	28B0562-200
14.27	15.24	7.26	121	173	295	240-2303-ND	.53	4.35	18.75	33.75	135.00	28B0563-000
14.27	28.57	7.26	197	287	406	240-2304-ND	.74	6.09	26.25	47.25	189.00	28B0563-200
14.48	5.51	8.51	51	82	200	240-2305-ND	.25	2.03	8.75	15.75	63.00	28B0570-000
15.00	35.00	5.90	348	450	580	240-2242-ND	.98	8.12	35.00	63.00	252.00	28B0591-200
15.65	28.58	7.00	232	310	450	240-2306-ND	.88	7.25	31.25	56.25	225.00	28B0616-000
15.88	14.27	7.87	87	163	273	240-2307-ND	.56	4.64	20.00	36.00	144.00	28B0625-000
15.88	28.58	7.87	209	280	400	240-2115-ND	.84	6.96	30.00	54.00	216.00	28B0625-100
16.00	28.00	9.25	171	243	370	240-2308-ND	.77	6.38	27.50	49.50	198.00	28B0631-100
17.00	25.00	7.01	226	323	445	240-2309-ND	.75	6.25	26.93	48.47	193.86	28B0669-000
17.42	6.35	9.52	61	91	214	240-2310-ND	.32	2.61	11.25	20.25	81.00	28B0686-000
17.42	28.57	9.52	191	242	390	240-2079-ND	.88	7.25	31.25	56.25	225.00	28B0686-200
18.67	28.58	10.16	197	250	400	240-2080-ND	1.02	8.41	36.25	65.25	261.00	28B0735-000
18.67	14.27	10.16	108	150	270	240-2311-ND	.67	5.51	23.75	42.75	171.00	28B0735-300
22.10	6.35	13.72	53	85	205	240-2312-ND	.42	3.48	15.00	27.00	108.00	28B0870-000
22.10	12.70	13.72	80	122	236	240-2116-ND	.67	5.51	23.75	42.75	171.00	28B0870-100
25.40	12.70	15.49	83	122	247	240-2313-ND	.84	6.96	30.00	54.00	216.00	28B0999-000
25.40	12.70	12.70	106	151	278	240-2117-ND	.88	7.25	31.25	56.25	225.00	28B1000-000
25.91	28.58	12.83	104	276	412	240-2081-ND	1.93	15.95	68.75	123.75	495.00	28B1020-100
28.50	28.58	13.77	218	307	440	240-2243-ND	2.38	19.72	85.00	153.00	612.00	28B1122-100
29.01	7.49	19.00	53	85	200	240-2118-ND	.63	5.22	22.50	40.50	162.00	28B1142-000
29.01	13.84	19.00	77	114	235	240-2314-ND	.95	7.83	33.75	60.75	243.00	28B1142-100
31.12	15.93	19.05	100	140	270	240-2315-ND	1.30	10.73	46.25	83.25	333.00	28B1225-000
31.12	10.00	19.05	70	110	240	240-2316-ND	.88	7.25	31.25	56.25	225.00	28B1225-300
31.75	22.22	19.05	134	186	292	240-2119-ND	1.93	15.95	68.75	123.75	495.00	28B1250-000
36.00	12.70	23.00	78	115	230	240-2317-ND	1.30	10.73	46.25	83.25	333.00	28B1417-200
39.12	22.22	16.76	204	254	405	240-2319-ND	3.75	31.03	133.75	240.75	963.00	28B1540-000
50.80	28.70	25.40	218	305	442	240-2244-ND	7.49	62.06	267.50	481.50	1926.00	28B2000-100
60.96	12.70	35.56	90	135	285	240-2120-ND	3.78	31.32	135.00	243.00	972.00	28B2400-000
38.86	28.58	12.95	161	210	347	240-2318-ND	2.77	22.91	98.75	177.75	711.00	28B1531-000
19.64	12.70	5.10	100	141	273	240-2497-ND	.67	5.51	23.75	42.75	171.00	28B0773-050

0-2505-ND Ferrite Broadband EMI Cores for Round Cables and Wire Bundles (1-12 each of 36 part sizes) $60.00

Steward Ferrite EMI Cores for Cables and Wiring Harnesses

High Frequency (300 MHz – 2 GHz) Cylindrical Cores for Round Cables



Made from special high frequency material, these ferrite cylinders and toroids have EMI attenuation (impedance) that peaks above 1 GHz for most part sizes. Also available in split clamp-on shapes (in plastic cases) listed at the bottom of this page. Size and shape of the part can affect performance and frequency response.

Dimensions (mm)			Net Impedance (Ω)		Digi-Key	Pricing					Steward
A	B	C	@ 500 MHz	@ 800 MHz	Part No.	1	10	50	100	500	Part No.
7.52	10.00	2.39	136	138	240-2146-ND	.21	1.74	7.50	13.50	54.00	HFB075024-000
9.52	10.00	5.08	74	85	240-2145-ND	.25	2.03	8.75	15.75	63.00	HFB095051-100
9.52	19.00	5.08	135	183	240-2140-ND	.35	2.90	12.50	22.50	90.00	HFB095051-200
12.32	5.00	4.88	56	62	240-2269-ND	.25	2.03	8.75	15.75	63.00	HFB123049-000
12.32	10.00	4.88	110	127	240-2149-ND	.35	2.90	12.50	22.50	90.00	HFB123049-100
12.32	25.40	4.88	287	305	240-2270-ND	.88	7.25	31.25	56.25	225.00	HFB123049-300
14.27	5.00	6.35	50	64	240-2271-ND	.28	2.32	10.00	18.00	72.00	HFB143064-000
14.27	10.00	6.35	100	113	240-2147-ND	.42	3.48	15.00	27.00	108.00	HFB143064-100
14.27	28.58	6.35	315	306	240-2148-ND	1.05	8.70	37.50	67.50	270.00	HFB143064-300
14.99	28.58	6.99	287	279	240-2150-ND	1.12	9.28	40.00	72.00	288.00	HFB150070-200
15.24	10.00	3.38	190	189	240-2151-ND	.60	4.93	21.25	38.25	153.00	HFB152034-000
15.65	20.00	6.99	200	216	240-2273-ND	.95	7.83	33.75	60.75	243.00	HFB157070-000
15.88	28.58	7.87	290	302	240-2142-ND	1.23	10.15	43.75	78.75	315.00	HFB159079-100
16.00	19.00	9.25	145	155	240-2274-ND	.84	6.96	30.00	54.00	216.00	HFB160093-200
16.00	27.99	9.25	198	261	240-2152-ND	1.05	8.70	37.50	67.50	270.00	HFB160093-300
16.99	10.00	7.01	115	127	240-2153-ND	.63	5.22	22.50	40.50	162.00	HFB170070-000
16.99	20.00	7.01	215	234	240-2275-ND	1.05	8.70	37.50	67.50	270.00	HFB170070-100
18.67	30.00	10.16	250	276	240-2143-ND	1.51	12.47	53.75	96.75	387.00	HFB187102-100
25.91	28.58	12.83	246	268	240-2154-ND	2.84	23.49	101.25	182.25	729.00	HFB259128-100

240-2225-ND High Frequency Ferrite Clamp-On and Solid Cylinder Core Sample Kit for Round Cables (one each of 18 different sizes) $30

E

Clamp-On, Split Ferrite Cores in Plastic Cases for Round Cables and Wire Bundles

Split ferrite bead cores in clamp-on (or snap-on) plastic cases can be easily used for EMI attenuation where one-piece cores cannot be installed. Clamp-on cores are also convenient for use during EMI testing.
Cylinder, round and box shaped plastic cased part shapes available. Additional wire turns will multiply impedance. High performance material.

Fig. 1

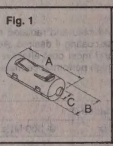


Fig. 2

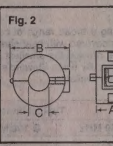


Fig. 3

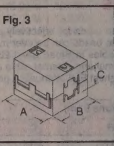
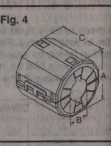


Fig. 4



Broad Band Clamp-On Cores Optimized for 30 MHz – 800 MHz +

Fig.	Case Color	Plastic Case Dimensions (mm) A	B	C	Max. Cable Diameter (mm)	Typical Impedance (Ω) @ 100 MHz	@ 300 MHz	Digi-Key Part No.	Price Each 1	10	50	100	Steward Part No.
						Cylinder Clamp-On Ferrite							
	Black	25.20	13.00	3.50	3.50	240	400	240-2233-ND	1.02	.85	.73	.66	28A0350-0B2
	White	29.08	12.80	5.44	4.65	170	320	240-2068-ND	1.05	.87	.75	.68	28A0392-0A0
	Black	29.08	12.80	5.44	4.65	170	320	240-2070-ND	1.05	.87	.75	.68	28A0392-0A2
	Black	42.55	14.30	5.35	5.10	277	449	240-2344-ND	1.23	1.02	.88	.79	28A0434-0A2
	Black	53.39	18.75	4.80	4.50	572	688	240-2245-ND	1.82	1.51	1.30	1.17	28A0592-0A2
1	Black	53.39	18.75	6.60	6.55	471	575	240-2246-ND	1.75	1.45	1.25	1.13	28A0593-0A2
	White	40.36	19.10	9.09	8.95	240	390	240-2065-ND	1.93	1.60	1.38	1.24	28A0640-0A0
	Black	40.36	19.10	9.09	8.95	240	390	240-2066-ND	1.93	1.60	1.38	1.24	28A0640-0A2
	Black	41.68	21.03	7.00	6.35	270	460	240-2122-ND	2.07	1.72	1.48	1.33	28A2026-0A2
	Black	35.10	18.00	9.00	9.00	220	360	240-2124-ND	1.51	1.25	1.08	.97	28A2736-0A2
	Black	33.70	30.00	13.00	12.85	260	410	240-2127-ND	3.12	2.59	2.23	2.01	28A3851-0A2
						Round Clamp-On Ferrite							
	Black	19.90	19.20	8.20	8.13	160	300	240-2123-ND	1.26	1.05	.90	.81	28A2432-0A2
2	Black	13.60	24.55	10.20	10.19	130	250	240-2125-ND	1.33	1.11	.95	.86	28A3039-0A2
	Black	15.40	28.80	13.60	13.55	120	230	240-2128-ND	1.51	1.25	1.08	.97	28A4155-0A2
						Box Clamp-On Ferrite							
	White	32.50	29.00	13.00	12.70	280	440	240-2072-ND	3.71	3.08	2.65	2.39	28A2024-0A0
	Black	32.50	29.00	13.00	12.70	280	440	240-2073-ND	3.71	3.08	2.65	2.39	28A2024-0A2
	White	32.03	17.58	7.26	6.35	320	510	240-2074-ND	1.86	1.54	1.33	1.20	28A2025-0A0
3	Black	32.03	17.58	7.26	6.35	320	510	240-2075-ND	1.86	1.54	1.33	1.20	28A2025-0A2
	White	32.84	21.77	10.00	9.91	250	420	240-2076-ND	2.31	1.92	1.65	1.49	28A2029-0A0
	Black	32.84	21.77	10.00	9.91	250	420	240-2077-ND	2.31	1.92	1.65	1.49	28A2029-0A2
	Black	42.00	29.20	19.30	18.80	210	360	240-2121-ND	5.15	4.27	3.68	3.31	28A5776-0A2
						Large Round Clamp-On							
4	Black	56.64	19.50	45.00	25.40	425	533	240-2199-ND	15.30	12.68	10.93	9.84	28A5131-0A2

240-2224-ND Split Clamp-On Broad Band EMI Ferrite Cores Sample Kit for Round Cables (one each of 14 different sizes) $30
240-2506-ND Split Clamp-on Broadband EMI Ferrite Cores Large Sample Kit for Round Cables (1-12 each of 16 different sizes) $60

High Frequency (300MHz – 2GHz) Clamp-On Ferrite Cores

Case Color: Black

Fig. 1

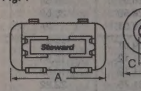


Fig. 2

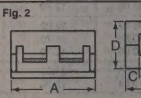


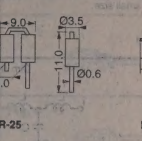
Fig.	Plastic Case Dimensions (mm) A	B	C	D	Max. Cable Diameter (mm)	Net Impedance (Ω) @ 500 MHz	@ 800 MHz	Digi-Key Part No.	Price Each 1	10	50	100	Steward Part No.
						Cylinder Clamp-On Ferrite							
	29.30	12.80	5.30	12.40	4.65	152	168	240-2129-ND	1.37	1.14	.98	.88	HFA100049-0A2
1	41.68	21.03	8.13	21.03	6.35	340	281	240-2132-ND	2.42	2.01	1.73	1.56	HFA150068-0A2
	40.36	19.10	9.09	20.80	8.95	260	262	240-2130-ND	2.59	2.15	1.85	1.67	HFA163090-0A2
						Box Clamp-On Ferrite							
	32.50	17.88	7.00	18.39	6.35	350	339	240-2131-ND	2.17	1.80	1.55	1.40	HFA150066-0A2
2	32.64	21.77	10.00	21.84	9.91	290	280	240-2133-ND	2.87	2.38	2.05	1.85	HFA187102-0A2
	32.51	29.01	13.00	29.60	12.70	315	275	240-2134-ND	4.55	3.77	3.25	2.93	HFA259131-0A2

anasonic

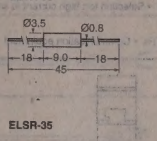
MI Bead Cores (For Electromagnetic Interference)

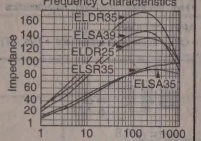
ICATIONS: • DC Resistance: 10mΩ maximum • Insulation Resistance: 10MΩ minimum

R-35

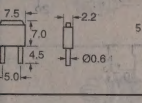


ELSA-39

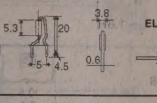




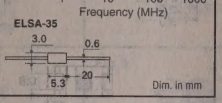
R-25



ELSR-35



ELSA-35



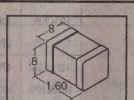
Dim. in mm

ption	Imp. (Ω) 100 MHz	Digi-Key Part No.	Pricing 10	100	1,000	2,000	Panasonic Part No.
Dual Type (Tape and Box)	140 min.	P9817TB-ND	—	—	88.00	—	EXC-ELDR35V
Dual Type (Bulk)	140 min.	P9817BK-ND	1.79	14.58	—	—	EXC-ELDR35C
ingle Type (Tape and Box)	110 min.	P9818TB-ND	—	—	58.00	—	EXC-ELSA39V
ingle Type (Bulk)	110 min.	P9818BK-ND	1.27	10.34	—	—	EXC-ELSA39
Dual Type (Tape and Box)	100 min.	P9819TB-ND	—	—	—	82.00/M	EXC-ELDR25V
Dual Type (Bulk)	100 min.	P9819BK-ND	1.73	14.08	114.00	—	EXC-ELDR25C
ingle Type (Tape and Box)	60 min.	P9820TB-ND	—	—	58.00	—	EXC-ELSA35V
ad Type (Bulk)	60 min.	P9820BK-ND	1.27	8.78	—	—	EXC-ELSA35
Single Type (Tape and Box)	60 min.	P9821TB-ND	—	—	58.00	—	EXC-ELSR35T
Form Type (Bulk)	60 min.	P9821BK-ND	1.27	8.78	—	—	EXC-ELSR35S

rface Mount Bead Cores

ES: EXC-3BB Series: • High impedance for high speed-signal line • Increase the cteristics sharply above 40MHz and is applicable for radiated noise in the 100MHz Hz range EXC-3BP Series: • Reduced DC resistance for EMI suppression • High rating • Effective noise suppression at high frequency, up to 2GHz

ATIONS: Clock line, signal line, I/O interface circuit



Dim. in mm

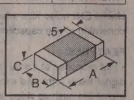
00	I (mA)	Rdc (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Pricing 4,000	Panasonic Part No.
Ω	200	0.3	P10188CT-ND	1.52	10.23	34.65	P10188TR-ND	45.00/M	EXC-3BB221H
Ω	100	0.8	P10189CT-ND	1.52	10.23	34.65	P10189TR-ND	45.00/M	EXC-3BB601H
Ω	50	1	P10190CT-ND	1.52	10.23	34.65	P10190TR-ND	45.00/M	EXC-3BB102H
	1000	0.07	P10749CT-ND	1.72	12.10	41.80	P10749TR-ND	66.00/M	EXC-3BP600H
Ω	500	0.1	P10750CT-ND	1.72	12.10	41.80	P10750TR-ND	66.00/M	EXC-3BP121H

Current

ES: Super small, high self-resonant frequency and excellent tolerance.

CATIONS:

nce: ±25% • Test Frequency: 100MHz



op Ω)	I (A)	Rdc Max. (mΩ)	Dim. (mm) A	B	C	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Tape and Reel Pricing* 3,000	4,000	Panasonic Part No.
7	4	6	1.6	.8	.8	P10436CT-ND	2.61	18.43	63.65		87.00/M	EXC-ML16A270U
9	4	8	2.0	1.2	.9	P10191CT-ND	2.61	18.43	63.65		87.00/M	EXC-ML20A390U
8	3	12	3.2	1.6	.9	P10437CT-ND	2.56	18.25	65.70	102.00/M		EXC-ML32A680U
1	3	16	4.5	1.6	1.1	P11956CT-ND	2.82	20.13	72.45	121.00/M	—	EXC-ML45A910H

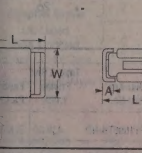
e and Reel part number, change CT-ND to TR-ND.

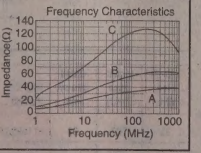
Surface Mount Bead Core Assortment Kit:
KIT-ND 20 each of 9 values (180 pieces) *(RoHS Compliant)* $61.95

rface Mount Bead Cores

CATIONS:

nce: ±25% • Test Frequency: 100MHz • Rated Current: 2 (A) • Flow/ Reflow Soldering





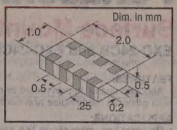
np. Ω)	Dimensions (mm) L	W	H	A	Digi-Key Part No.	Cut Tape Price Each 10	100	Digi-Key Part No.	Tape and Reel Pricing 2,000	10,000	Panasonic Part No.
25	3.2	1.6	1.6	0.5	P9810CT-ND	.41	.31	P9810TR-ND	173.00/M	160.00/M	EXC-CL3216U1
15	3.2	2.5	1.6	0.5	P9811CT-ND	.53	.39	P9811TR-ND	221.00/M	205.00/M	EXC-CL3225U1
15	4.5	3.2	1.8	0.5	P9812CT-ND	.62	.46	P9812TR-ND	—	240.00/M	EXC-CL4532U1

Surface Mount Bead Core Array 0804 (0402x4)

FEATURES: • .02 inch (0.51mm) height, lightweight (typically only 5mg), narrow pitch, compatible with SSOP pitch

EXC-28BB Series: • Suitable for high speed signals (over 50Mhz), excellent cross talk characteristics (100Mhz: <-25dB) **APPLICATIONS:** • PC, LCD, DSC, Printer, PDA, MD, CD, NAVI

EXC-28BA Series: • Suitable for ring suppression while maintaining wave form, excellent cross talk characteristics (100Mhz: <-30dB) **APPLICATIONS:** • HDD, E-IDE (Ultra DMA 33), DVD, CD-ROM, C-DR, CDR-RW



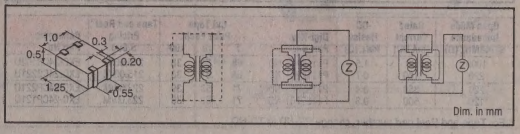
Imp. 100 MHz ±25%	I (mA)	Rdc (Ω)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape and Reel Pricing 5,000	Panasonic Part No.
120Ω	100	0.5	P10751CT-ND	.71	.52	.38	P10751TR-ND	298.00/M	EXC-28BB121U
220Ω	100	0.7	P10752CT-ND	.71	.52	.38	P10752TR-ND	298.00/M	EXC-28BB221U
120Ω	100	0.5	P10753CT-ND	.71	.52	.38	P10753TR-ND	298.00/M	EXC-28BA121U
220Ω	100	0.7	P10754CT-ND	.71	.52	.38	P10754TR-ND	298.00/M	EXC-28BA221U

Common Mode Noise Filter 0504

Features:
- Low profile
- Low DC resistance
- High reliability and high mounting efficiency due to multilayer construction

Applications: General electronic equipment

Specifications: Temperature Range: -40°C ~ 85°C



Imp. @ 100MHz Common Mode	Differential Mode	Rated Volt. (V DC)	Rated Current (mA DC)	Rdc (Ω Max.)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing* 5,000	Panasonic Part No.
90Ω	15Ω	5	160	1.75	P12972CT-ND	.61	.46	.34	192.00/M	EXC-24CE900U
120Ω	18Ω	5	140	2.20	P12970CT-ND	.61	.46	.34	192.00/M	EXC-24CE121U
200Ω	20Ω	5	130	2.70	P12971CT-ND	.61	.46	.34	192.00/M	EXC-24CE201U

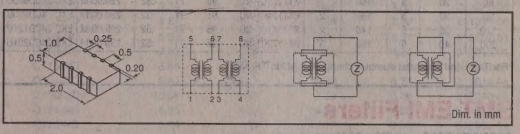
*For Tape and Reel part number, change CT-ND to TR-ND

Common Mode Noise Filter Array 0804

Features: • Low profile • Low DC resistance • High reliability and high mounting efficiency due to multilayer construction • 2 filters in one small package

Applications: General electronic equipment

Specifications: Temperature Range: -40°C ~ 85°C



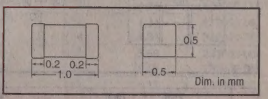
Imp. @ 100MHz Common Mode	Differential Mode	Rated Volt. (V DC)	Rated Current (mA DC)	Rdc (Ω Max.)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing* 5,000	Panasonic Part No.
90Ω	15Ω	5	160	1.5	P12975CT-ND	.88	.66	.49	277.00/M	EXC-28CE900U
120Ω	18Ω	5	140	2.0	P12973CT-ND	.88	.66	.49	277.00/M	EXC-28CE121U
200Ω	20Ω	5	130	2.5	P12974CT-ND	.88	.66	.49	277.00/M	EXC-28CE201U

*For Tape and Reel part number, change CT-ND to TR-ND.

LC/LR Composite Devices

Features:
- Effective for noise and ESD at the same time
- Simple pattern without connecting GND pattern

Applications:
- Information/communication devices with LCD displays



Inductance @100MHz ±20% Nom.	Q Min. @100 MHz	Imp. @ 800-900 MHz Nom.	SRF @ ±50MHz Nom. (MHz)	RDC Max. (Ω)	IDC Max. (mA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel Pricing* 10,000	Panasonic Part No.
99nH	4	1500Ω	850	10	90	P13345CT-ND	.16	1.35	10.58	61.00/M	ELW-CF800F01

Inductance @ 100MHz, ±5% Nom.	DCR @ ±20% Nom.	SRF Min. (MHz)	IDC Max. (mA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel Pricing* 10,000	Panasonic Part No.
100nH	100Ω	1200	23	P13346CT-ND	.15	1.26	9.87	57.00/M	ELW-RFR10101F

*For Tape and Reel part number, change CT-ND to TR-ND.

Panasonic

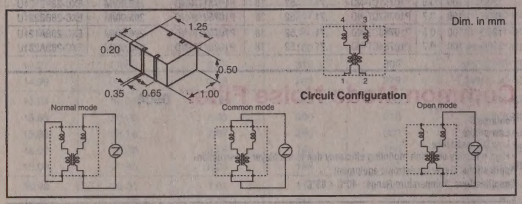
Surface Mount 2 Mode Noise Filters

EXC-24CB and EXC-24CP Series

FEATURES:
• Acoustic quality improvement of mobile phone and portable audio equipment • Effectively suppresses both common mode noise and normal mode noise • Small size and light weight

APPLICATIONS:
• Receiver line, microphone line and headset of mobile phone (GSM, TDMA, PDC, etc.) • Small digital equipment such as personal computers, printer, HDD, DVD-ROM, CD-ROM and LCD • Digital audio and video equipment such as PDA, DSC, DVC, CD Player, DVD Player and MD Player

SPECIFICATIONS:
• **Tolerance:** ±25% • **Rated Voltage:** 5VDC



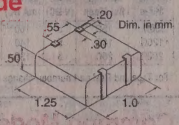
Open Mode Impedance @100MHz (Ω)	Rated Current (mA DC)	DC Resist. Max. (Ω)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape and Reel* Pricing 5,000	Panasonic Part No.
1000	50	1.5	P11169CT-ND	.68	.51	.38	215.00/M	EXC-24CB102U
220	100	0.7	P11170CT-ND	.68	.51	.38	215.00/M	EXC-24CB221U
220	350	0.4	P11598CT-ND	.71	.53	.39	223.00/M	EXC-24CP221U
120	500	0.3	P11597CT-ND	.71	.53	.39	223.00/M	EXC-24CP121U

* For Tape and Reel part number, change CT-ND to TR-ND.

Surface Mount Common Mode Noise Filters

FEATURES:
• Effective in noise suppression of portable equipment • Magnetic shield type • Small size and light weight • Lead Free

APPLICATIONS:
• Digital audio and video equipment; PDA, DSC, DVC, DVD and CD player • USB data line of mobile phone (IMT2000) • Small digital equipment such as personal computers • MD Player

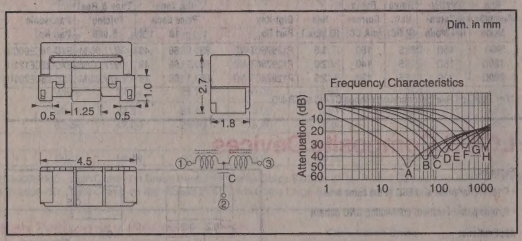


Imp. @ 100MHz (Ω) Common Mode	Imp. @ 100MHz (Ω) Diff-erential Mode	Rated Volt (VDC)	Rated Current (mA DC)	DC Resist. Max. (Ω)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing* 5,000	Panasonic Part No.
60	20	5	160	2	P11173CT-ND	.95	.71	.52	299.00/M	EXC-24CD600U
90	30	5	160	2	P11174CT-ND	.95	.71	.52	299.00/M	EXC-24CD900U
120	35	5	140	2	P11171CT-ND	.95	.71	.52	299.00/M	EXC-24CD121U
200	40	5	130	3	P11172CT-ND	.95	.71	.52	299.00/M	EXC-24CD201U

*For Tape and Reel part number, change CT-ND to TR-ND.

SMT EMI Filters

SPECIFICATIONS: • 50VDC • 2A Maximum



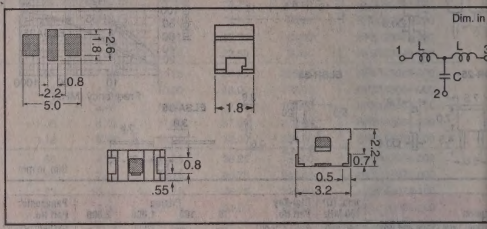
Dia.	Cap. (pF)	25dB Freq. (MHz)	15dB Freq. (MHz)	Digi-Key Part No.	Cut Tape Price Each 10	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	Panasonic Part No.
H	22	800–1000	600–1000	P9825CT-ND	.69	.51	P9825TR-ND	289.00	EXC-CET220U
G	47	450–550	350–1000	P9826CT-ND	.69	.51	P9826TR-ND	289.00	EXC-CET470U
F	100	300–450	200–900	P9827CT-ND	.69	.51	P9827TR-ND	289.00	EXC-CET101U
E	270	200–300	80–700	P9828CT-ND	.69	.51	P9828TR-ND	289.00	EXC-CET271U
D	470	100–220	50–700	P9829CT-ND	.69	.51	P9829TR-ND	289.00	EXC-CET471U
C	1000	65–200	30–700	P9830CT-ND	.69	.51	P9830TR-ND	289.00	EXC-CET102U
B	2200	35–180	15–700	P9831CT-ND	.69	.51	P9831TR-ND	289.00	EXC-CET222U
A	10000	15–120	5–700	P9832CT-ND	.69	.51	P9832TR-ND	289.00	EXC-CET103U

SMT Digital Noise Filters Series K: Type E

High performance noise filter for digital signal processing circuits. Wide attenuation band by low pa filter constitution.

FEATURES:
• Wide attenuation band in noise signal • Minimal rounding of waveforms of the signal • High rate current: 2.0A • Rated Voltage VDC: 50V P9870-P9878; 25V P13159 • DCR (DC Resistance Ω): • High magnetic shielding characteristics • Selection for: high current in small size.

APPLICATIONS:
• Office automated equipment • TVs, VTRs • Communication equipment



Induct. (1-3) +40 -30% (nH)	Capacitance (1-2) (pF)	Nom. Cap. (pF)	Frequency Range @ 15dB Min. (MHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing* 2,000	Panas Part N
60	10±20%	10	1000-1500	P9870CT-ND	.63	.47	.35	197.00/M	ELK-E
	22±20%	22	700-1000	P9871CT-ND	.63	.47	.35	197.00/M	ELK-E
	47±20%	47	500-1000	P9872CT-ND	.63	.47	.35	197.00/M	ELK-E
	100±20%	100	400-1000	P9873CT-ND	.63	.47	.35	197.00/M	ELK-E
	220±20%	220	250-1000	P9874CT-ND	.63	.47	.35	197.00/M	ELK-E
	485±20%	470	150-1000	P9875CT-ND	.63	.47	.35	197.00/M	ELK-E
	1030±30%	1000	80-1000	P9876CT-ND	.63	.47	.35	197.00/M	ELK-E
	2140±30%	2200	50-1000	P9877CT-ND	.63	.47	.35	197.00/M	ELK-E
	9700±30%	10000	15-1000	P9878CT-ND	.63	.47	.35	197.00/M	ELK-E
	32200±30%	33000	10-1000	P13159CT-ND	.51	.48	.35	197.00/M	ELK-E

* For Tape and Reel part number, change CT-ND to TR-ND.

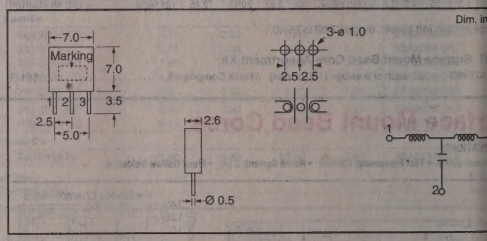
Digital Noise Filters (ELKT Type)

Useful EMI noise filter when signal and noise frequency are close in frequency. T type radial lead Ek consisting of one capacitor and two inductors.

FEATURES:
• Flat response at signal frequency and sharp noise attenuation characteristics • Minimal distortion o signal wave form and excellent noise attenuation toward high frequency noise (good EMI filter for signal line such as video signal)

APPLICATIONS:
• Reduction of EMI noise on the signal line, I/O line and DC line circuit within OA, AV, commun equipment

Replaces ELK-A series



Cut-off Freq. (MHz)	Imped-ance Zo(Ω)	Rated Current (mA)	Digi-Key Part No .	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Box Pricing 1,000	Panas Part N
35	300	90	P11098CT-ND	1.14	1.06	.77	P11098TB-ND	439.00	ELK-TT
40	550	90	P11099CT-ND	1.14	1.06	.77	P11099TB-ND	439.00	ELK-TT
50	100	130	P11100CT-ND	1.14	1.06	.77	—	—	ELK-TT
55	300	100	P11101CT-ND	1.14	1.06	.77	P11101TB-ND	439.00	ELK-TT
60	550	90	P11102CT-ND	1.14	1.06	.77	—	—	ELK-TT

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

- **Temperature Rating:** +60°C
- **Volt Rating:** 125V/AC.
- **Small Appliance Line Cord:** NEMA 1-15 P Polarized Plug
- **Male Plug Power Cord:** NEMA 5-15 P Plug
- **Detachable Power Cord:** NEMA 5-15 P Plug, IEC 320 Connector

SPT-1: All thermoplastic, parallel-jacketed, with or without third conductor for grounding purposes only. Light duty cord for pendant or portable use in damp locations, 300V.

SVT: Two or three-conductor, all plastic construction with or without third conductor for grounding purposes only. 300V, +60° C.

SJT: Junior hard service thermoplastic or rubber-insulated conductors with overall thermoplastic jacket. 300V, 60°C ~ 105°C

Fig. 1

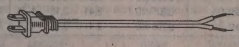


Fig. 2

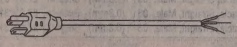


Fig. 3

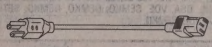


Fig. 4

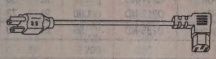


Fig. 5

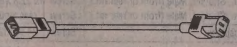


Fig. 6

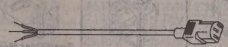


Fig. 7

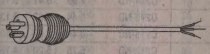


Fig. 8

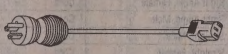


Fig. 9

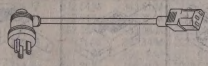


Fig. 10

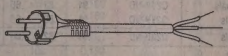


Fig. 11

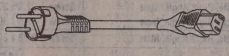


Fig. 12

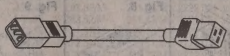


Fig. 13

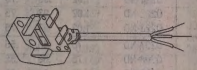


Fig. 14

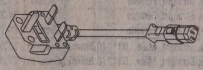
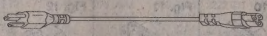


Fig. 15



E

Description	Fig.	Length Feet (Meter)	Cord/Plug Color	AWG	Rating Amps @ 125V	Cord Type	Digi-Key Part No.	1	Price Each 10	100	250	Qualtek Part No.
Small Appliance Line Cord UL Listed	1	6'0" (1.83)	Brown/Brown	18/2	10	SPT-1	Q100-ND	1.58	1.43	1.15	.97	221001-03
		6'0" (1.83)	White/White	18/2	10	SPT-1	Q101-ND	2.29	2.08	1.67	1.41	221001-08
		6'0" (1.83)	Black/Black	18/2	10	SPT-1	Q114-ND	2.24	2.03	1.63	1.38	221001-01
		9'0" (2.74)	Black/Black	18/2	10	SPT-1	Q121-ND	3.37	3.05	2.45	2.07	221002-01
Male Plug Power Cord UL Listed CSA Certified CEE Color Code	2	6'7" (2.01)	Black/Black	18/3	10	SVT	Q106-ND	3.92	3.54	2.85	2.40	311007-01
		9'10" (3.00)	Black/Black	18/3	10	SVT	Q107-ND	5.14	4.64	3.73	3.15	311010-01
		6'7" (2.01)	Black/Black	18/3	10	SJT	Q108-ND	4.40	3.97	3.20	2.70	311013-01
		9'10" (3.00)	Black/Black	18/3	10	SJT	Q109-ND	5.65	5.11	4.11	3.47	311016-01
		6'7" (2.01)	Black/Black	16/3	13	SJT	Q110-ND	5.43	4.90	3.94	3.33	311019-01
		9'10" (3.00)	Black/Black	16/3	13	SJT	Q111-ND	7.02	6.35	5.10	4.31	311022-01
		6'7" (2.01)	Black/Black	14/3	15	SJT	Q112-ND	7.36	6.65	5.35	4.52	311024-01
		9'10" (3.00)	Black/Black	14/3	15	SJT	Q113-ND	9.58	8.66	6.96	5.88	311027-01
N. Amer. Color Code	2	8'0" (2.44)	Gray/Gray	18/3	10	SVT	Q122-ND	5.34	4.83	3.88	3.28	211012-06
		8'0" (2.44)	Gray/Gray	18/3	10	SJT	Q123-ND	4.87	4.40	3.54	2.99	211018-06
Detachable Power Cord UL Listed CSA Certified CEE Color Code	3	6'7" (2.01)	Black/Black	18/3	10	SJT	Q102-ND	5.24	4.73	3.81	3.21	312007-01
		9'10" (3.00)	Black/Black	18/3	10	SJT	Q103-ND	7.07	6.39	5.14	4.34	312010-01
		6'7" (2.01)	Black/Black	16/3	13	SJT	Q115-ND	6.94	6.27	5.04	4.26	312011-01
		9'10" (3.00)	Black/Black	16/3	13	SJT	Q116-ND	9.41	8.51	6.84	5.77	312014-01
		9'10" (3.00)	Black/Black	16/3	13	SJT	Q120-ND†	10.36	9.36	7.53	6.36	312040-01
		7'6" (2.29)	Black/Black	16/3	13	SJT	Q124-ND	6.85	6.19	4.98	4.20	212013-01
		7'6" (2.29)	Black/Black	18/3	10	SVT	Q125-ND	5.74	5.19	4.17	3.52	312003-01
		7'6" (2.29)	Black/Black	18/3	10	SVT	Q126-ND*	5.14	4.64	3.73	3.15	312021-01
	4	6'7" (2.01)	Black/Black	18/3	10	SJT	Q104-ND	4.37	3.96	3.18	2.69	313006-01
		6'7" (2.01)	Black/Black	16/3	13	SJT	Q117-ND	6.45	5.83	4.69	3.96	313010-01
		9'10" (3.00)	Black/Black	18/3	10	SJT	Q105-ND	5.10	4.61	3.71	3.13	313009-01
		9'10" (3.00)	Black/Black	16/3	13	SJT	Q118-ND	10.78	9.74	7.83	6.61	313014-01
		9'10" (3.00)	Black/Black	16/3	13	SJT	Q119-ND†	8.31	7.51	6.04	5.10	313026-01
	5	3'3" (.99)	Black/Black	18/3	10	SVT	Q127-ND	4.41	3.99	3.21	2.71	318002-01
		3'3" (.99)	Black/Black	18/3	10	SJT	Q128-ND	4.00	3.62	2.91	2.46	318005-01
	12	9'10" (3.00)	Black/Black	14/3	15	SJT	Q268-ND	17.34	15.66	12.59	10.63	331010-01
	6	9'10" (3.00)	Black/Black	18/3	10	SJT	Q129-ND	4.40	3.98	3.20	2.70	315008-01
	15	6'0" (1.83)	Black/Black	18/3	10	SVT	Q139-ND	5.35	4.83	3.89	3.28	350049-LD01
		10'0" (3.50)	Black/Black	18/3	10	SVT	Q140-ND	7.09	6.41	5.15	4.35	350050-LD01
Hospital Grade UL Listed CSA Certified N. Amer. Color Code	7	10'0" (3.05)	Gray/Clear	18/3	10	SJT	Q130-ND	7.08	6.40	5.14	4.34	232003-06
		10'0" (3.05)	Gray/Gray	18/3	10	SJT	Q131-ND	7.08	6.40	5.14	4.34	232011-06
	8	10'0" (3.05)	Gray/Clear	18/3	10	SJT	Q132-ND	9.06	8.19	6.58	5.56	233003-06
		10'0" (3.05)	Gray/Gray	18/3	10	SJT	Q133-ND	9.06	8.19	6.58	5.56	233009-06
	9	10'0" (3.05)	Gray/Clear	18/3	10	SJT	Q263-ND	10.06	9.09	7.31	6.17	243003-06

Shielded with Mylar Foil * Temperature Rating: +105° C VW-1

Description	Fig.	Length Feet (Meter)	Color	Cordage	Conductors (MM2)	Rating Amps @ 250V	Digi-Key Part No.	1	Price Each 10	100	250	Qualtek Part No.
International Power Cords												
Continental Europe	10	8'2" (2.5)	Black	H05VV-F	3 X 1.00	10	Q134-ND	5.78	5.23	4.20	3.55	363012-D01
	11	8'2" (2.5)	Black	H05VV-F	3 X 1.00	10	Q135-ND	6.56	5.93	4.77	4.03	364002-D01
	5	8'2" (2.5)	Black	H05VV-F/SJT	3 X 1.00	10	Q136-ND	7.98	7.21	5.79	4.89	319004-T01
United Kingdom	13	8'2" (2.5)	Black	H05VV-F	3 X 1.00	10	Q137-ND	10.74	9.70	7.80	6.59	369003-E01
	14	8'2" (2.5)	Black	H05VV-F	3 X 1.00	10	Q138-ND	11.54	10.43	8.38	7.08	370001-E01

AC Receptacles

Approvals: 701W-15/XX and 716W-15/XX: IEC 320. **736W-B-101, -102:** UL, CSA, VDE, FIMKO, DEMKO, NEMKO, SEMKO. **738W-CX2-01:** UL, CSA. **743W-00/BX:** UL, CSA, VDE, SEV, DEMKO, NEMKO, SEMKO, FIMKO, CB. **744W-00/BX and 745W-XX/YY:** UL, CSA, VDE, SEV, SEMKO, DEMKO, FIMKO, NEMKO **770W-X2/03, /04, /05:** UL, CSA, VDE, SEV, SETI, DEMKO, NEMKO, SEMKO, ÖVE, CB. **770W-X2/09, /11, /12:** UL, CSA, VDE, SEV, FIMKO, DEMKO, NEMKO, SEMKO, ÖVE. **770W-X2/10:** UL, CSA, VDE, NEMKO. **771W-X2/01, /02:** ULR. CSA, VDE, SEV, DEMKO, NEMKO, SEMKO. **761-18/xxx and 762-18/xxx:** UL, CSA, VDE. **763-00/xxx and 763-00/xxx:** UL, CSA, VDE. **778W-00-01:** UL, CSA, VDE, SEMKO, DEMKO, NEMKO, SETI. **771W-xxx/01:** UL, CSA, VDE, NEMKO.

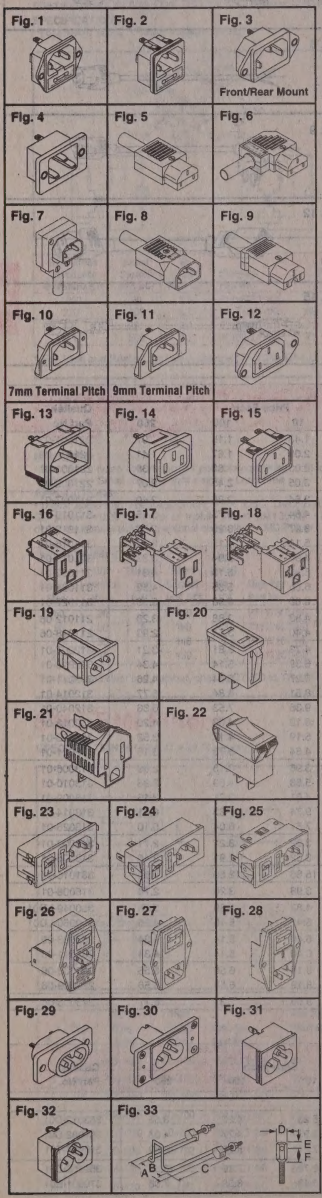


Fig.	Description	Mount Type	Panel Cutout H x W(mm)	Contact Type	Digi-Key Part No.	Price Each 1	10	100	Qualtek Part No.
	Power Inlets with Single 5x20mm Fuseholder								
1	AC Receptacle, Straight, Male	Screw	31.4 x 27.0	Solder Tab	Q201-ND	1.31	1.18	.95	719W-00/02
	AC Receptacle, Straight, Male	Screw	31.4 x 27.0	.187" (4.75mm) Fast-On	Q202-ND	1.31	1.18	.95	719W-00/03
	AC Receptacle, Straight, Male	Screw	31.4 x 27.0	.248" (6.35mm) Fast-On	Q203-ND	1.31	1.18	.95	719W-00/04
2	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 31.4	Solder Tab	Q204-ND	2.41	2.18	1.76	723W-X2/02
	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 31.4	.187" (4.75mm) Fast-On	Q205-ND	2.41	2.18	1.76	723W-X2/03
	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 31.4	.248" (6.35mm) Fast-On	Q206-ND	2.41	2.18	1.76	723W-X2/04
	AC Power Inlets								
3	AC Recept., Straight, Male (front or rear mt.)	Screw	19.8 x 27.4 frt.	Solder Tab	Q210-ND	1.00	.91	.73	703W-00/02
	AC Recept., Straight, Male (front or rear mt.)	Screw	or 22.8 x 30.0	.187" (4.75mm) Fast-On	Q211-ND	.91	.82	.66	703W-00/03
	AC Recept., Straight, Male (front or rear mt.)	Screw	rear mount	.248" (6.35mm) Fast-On	Q212-ND	1.00	.91	.73	703W-00/04
4	Power Receptacle	Screw	24.5 x 32.5	.248" (6,3mm) Quick Connect	Q235-ND	.95	.87	.70	744W-00/04
	AC Power Plug Assemblies								
5	In-Line Plug, Straight, Female	Cord	—	Screw Terminals	Q213-ND	5.07	4.58	3.68	704-00/00
6	In-Line Plug, Right Angle, Female	Cord	—	Screw Terminals	Q214-ND	7.09	6.41	5.15	705-00/00
7	In-Line Plug, Right Angle, Male	Cord	—	Screw Terminals	Q215-ND	8.44	7.63	6.13	711-00/00
8	In-Line Plug, Straight, Male	Cord	—	Screw Terminals	Q216-ND	8.44	7.63	6.13	712-00/00
9	In-Line Plug, Straight, Female	Cord	—	Screw Terminals	Q217-ND	5.75	5.20	4.18	709-00/00
	Angled Inlet PCB Mount								
10	AC Receptacle, Right Angle, Male	Screw	22.8 x 30.8	Round PC Terminals	Q218-ND	.91	.82	.66	703W-00/52
	AC Receptacle, Right Angle, Male	Screw	22.8 x 30.8	Flat PC Terminals	Q219-ND	.91	.82	.66	703W-00/53
11	AC Receptacle, Right Angle, Male	Screw	22.8 x 30.8	Flat PC Terminals	Q220-ND	.91	.82	.66	703W-00/54
	AC Power Inlets IEC 320								
12	AC Receptacle, Straight, Female	Screw	24.2 x 32.4	Solder Tab	Q221-ND	1.02	.93	.75	710W-00/01
	AC Receptacle, Straight, Female	Screw	24.2 x 32.4	.187" (4.75mm) Fast-On	Q222-ND	1.02	.93	.75	710W-00/02
	AC Receptacle, Straight, Female	Screw	24.2 x 32.4	.248" (6.35mm) Fast-On	Q223-ND	1.02	.93	.75	710W-00/03
13	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 20.5	Solder Tab	Q207-ND	.75	.68	.55	701W-X2/02
	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 20.5	.187" (4.75mm) Fast-On	Q208-ND	.75	.68	.55	701W-X2/03
	AC Receptacle, Straight, Male, .031" (0.8mm)	Snap-In	27.0 x 20.5	.248" (6.35mm) Fast-On	Q209-ND	.75	.68	.55	701W-X2/04
14	Power Receptacle, .059" (1.5mm), Male	Snap-In	27.2 x 19.7	Solder Tab	Q256-ND	.75	.68	.55	701W-15/21
	Power Receptacle, .059" (1.5mm), Male	Snap-In	27.2 x 19.7	.187" (4.7mm) Fast-On/Solder Tab	Q257-ND	.75	.68	.55	701W-15/26
	Power Receptacle, .059" (1.5mm), Male	Snap-In	27.2 x 19.7	.250" (6.35mm) Fast-On	Q258-ND	.75	.68	.55	701W-15/31
15	Power Outlet, .059" (1.5mm), Female	Snap-In	25.2 x 32.8	Solder Tab	Q259-ND	.75	.68	.55	716W-15/05
	Power Outlet, .059" (1.5mm), Female	Snap-In	25.2 x 32.8	.187" (4.7mm) Fast-On/Solder Tab	Q260-ND	.75	.68	.55	716W-15/10
	Power Outlet, .059" (1.5mm), Female	Snap-In	25.2 x 32.8	.250" (6.35mm) Fast-On	Q261-ND	.75	.68	.55	716W-15/15
16	AC Recept., Straight, Female, .031" (0.8mm)	Snap-In	25.3 x 32.6	Solder Tab	Q224-ND	.75	.68	.55	716W-X2/01
	AC Recept. Straight, Female, .031" (0.8mm)	Snap-In	25.3 x 32.6	.187" (4.75mm) Fast-On	Q225-ND	.75	.68	.55	716W-X2/02
	AC Recept., Straight, Female, .031" (0.8mm)	Snap-In	25.3 x 32.6	.248" (6.35mm) Fast-On	Q226-ND	.75	.68	.55	716W-X2/03
	NEMA 5-15R Power Outlets								
17	AC Recept., Straight, Female, .031" (0.8mm)	Snap-In	22.3 x 24.6	.187" (4.75mm) Fast-On	Q227-ND	.80	.73	.59	738W-X2/03
18	AC Recept., Straight, Female, .031" (0.8mm)	Snap-In	24.6 x 24.6	IDC Crimp Terminals	Q228-ND	.76	.69	.56	739W-X2/03
	NEMA 5-20P Power Outlets								
19	AC Recept., Straight, Female, .031" (0.8mm)	Snap-In	24.5 x 24.5	IDC Crimp Terminals	Q282-ND	1.00	.91	.73	739W-X2/20
	Power Receptacles								
20	Power Receptacle	Screw	12.4 x 21.0	Solder Tab	Q269-ND	.63	.58	.46	770W-X2/03
	Power Receptacle	Panel	12.4 x 21.0	Right Angle, PCB Pins	Q273-ND	.63	.58	.46	770W-X2/10
	Power Receptacle	Snap-in	12.5 x 24.5	PCB Pins	Q277-ND	.85	.77	.62	771W-X2/02
	Power Receptacle, 2 Con.	Snap-in	12.4 x 22.1	4.8mm Tab	Q281-ND	.70	.64	.52	738W-CX2-01
	AC Adapter								
21	AC Adapter 3 Prong/2 Prong	—	—	Wall Plug	Q280-ND	.79	.72	.58	738W-E-01
	Circuit Breaker Switch								
22	Illuminated, Black Body w/Red Actuator, 15 Amp	Panel	14.0 x 28.5	Solder Tab	Q278-ND	2.01	1.82	1.46	736W-B-101
22	Non-Illuminated, Black Body w/Red Actuator, 15 Amp	Panel	14.0 x 28.5	Solder Tab	Q279-ND	1.37	1.24	1.00	736W-B-102
	Multi-Function Modules								
23	Male, Plastic Housing, SPST, Sgl. Fuse 5x20	Snap-In	66.0 x 27.0	Solder Tab	Q300-ND	8.35	5.97	4.95	761-18/003
	Male, Plastic Housing, DPST, Sgl. Fuse 5x20	Snap-In	66.0 x 26.9	Solder Tab	Q301-ND	11.52	8.23	6.84	761-18/004
24	Male, Metal Housing, SPST, Single Fuse 5x20	Snap-In	66.0 x 27.0	.250" Fast-On	Q302-ND	11.11	7.94	6.59	762-18/002
	Male, Metal Housing, DPST, Single Fuse 5x20	Snap-In	66.0 x 27.0	.250" Fast-On	Q303-ND	17.37	12.41	10.31	762-18/003
25	Male, Metal Housing, SPST, Single Fuse 5x20	Snap-In	66.0 x 27.0	.250" Fast-On	Q304-ND	17.37	12.41	10.31	762-18/004
	Male, Metal Housing, DPST, Single Fuse 5x20	Snap-In	66.0 x 27.0	.250" Fast-On	Q305-ND	20.50	14.65	12.16	762-18/005
26	Male, Plastic Housing, DPST, Double + Fuse	Screw	58.9 x 27.5	Solder Tab	Q306-ND	9.03	6.45	5.36	763-00/001
27	Male, Plastic Housing, DPST, Double 5x20	Screw	72.4 x 27.9	Solder Tab	Q307-ND	10.39	7.42	6.16	764-00/002
28	Male, Plastic Housing, DPST, Double 5x20	Screw	72.4 x 27.9	Solder Tab	Q308-ND	11.98	8.56	7.10	764-00/003
	Low Power Inlets								
29	Male, Thermoplastic Housing	Screw	21.0 x 12.4	Solder Tab	Q309-ND	.85	.77	.62	770W-00/01
30	Male, Thermoplastic Housing	Screw	24.5 x 12.5	Solder Tab	Q310-ND	1.31	1.18	.95	771W-AX2/01
31	Male, Thermoplastic Housing	Panel	24.5 x 12.5	Solder Tab	Q311-ND	1.16	1.05	.84	771W-BX2/01
32	Male, Thermoplastic Housing	Panel	24.5 x 12.5	Solder Tab	Q312-ND	1.16	1.05	.84	771W-CX2/01

Fig.	Dimensions - Inch (mm) A	B	C	D	E	F	Digi-Key Part No.	Price Each 1	25	50	100	Qualtek Part No.
	Power Plug Retainer Clips											
33	1.80 (45.72)	1.11 (28.19)	1.40 (35.56)	.250 (6.35)	.125 (3.18)	.196 (4.98)	Q264-ND	2.44	2.06	1.86	1.63	730B-00/00
	1.80 (45.72)	1.11 (28.19)	1.40 (35.56)	.218 (5.54)	.125 (3.18)	.196 (4.98)	Q265-ND	3.97	3.34	3.02	2.64	732-00/00
	1.80 (45.72)	1.11 (28.19)	1.32 (33.53)	.250 (6.35)	.125 (3.18)	.196 (4.98)	Q266-ND	2.15	1.81	1.64	1.43	730-00/05
	1.80 (45.72)	1.11 (28.19)	1.40 (35.56)	.250 (6.35)	.125 (3.18)	.352 (8.94)	Q267-ND	2.65	2.23	2.02	1.76	731B-00/00

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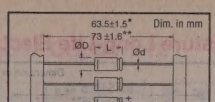
ASM 021

xial Standard Miniature Electrolytic Capacitors

URES:
arized aluminum electrolytic capacitors, non-solid • Axial leads, cylindrical aluminum case, ated with a blue sleeve • Charge and discharge proof • Case Ø10mm x 30mm to 21mm x 40mm pressure relief • Taped versions up to case Ø15mm x 30mm available for automatic insertion aturized, high CV-product per unit volume

ICATIONS:
eral purpose, industrial, automotive, audio-video • Coupling, decoupling, smoothing, filtering, ring and timing • Portable and mobile equipment (small size, low mass) • Low mounting height s, vibration and shock resistant.



Case size 10 X 30 and above are bulk
Form BA: Taped in box (ammo pack)
*Case Ø D x L =
4.5 x 10 to 8 x 11mm
**Case Ø D x L =
6.5 x 18 to 10 x 25mm

DESCRIPTION	VALUE	
Case sizes (ØDnom x Lnom in mm)	4.5 x 10 to 10 x 25	10 x 30 to 21 x 40
Rated capacitance range, CR	0.47 ~ 15,000µF	
Tolerance on CR	±20%	
Rated voltage range, UR	6.3 ~ 100V	
Category temperature range	-40°C ~ 85°C	
Endurance test at 85°C: UR = 6.3 ~ 25V	1,000 hours	5,000 hours
UR = 40 ~ 100V	2,000 hours	5,000 hours
Useful life at 85°C	2,500 hours	8,000 hours
Useful life at 40°C, 1.4 x In applied	70,000 hours	200,000 hours
Shelf life at 0 V, 85°C	500 hours	500 hours
Based on sectional specification:	IEC 384-4/CECC 30300	IEC384-4/CECC 30300
UR = 6.3 ~ 25V	GP grade	LL grade
UR = 40 ~ 100V	LL grade	LL grade
Climatic category IEC 68 (DIN 40040)	40/085/56 (GPF)	

V (DC)	Cap. (µF)	Leakage Curr. (µA)	tan δ	Ripple Curr. (mA)	Dimensions (mm) L	D	d	Digi-Key Part No.	Pricing* 1	10	100	Digi-Key Part No.	Pricing* 500	1,000	5,000	10,000	BC Components Part No.
	470	22	0.250	260	11	8.0	0.6	4000PHCT-ND	.70	6.04	47.31	4000PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 33471
3	1000	42	0.250	440	18	8.0	0.6	4001PHCT-ND	.81	6.91	54.12	4001PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 33102
	2200	87	0.290	710	25	10	0.8	4002PHCT-ND	1.17	10.07	78.84	4002PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90589
	100	10	0.200	100	10	4.5	0.6	4003PHCT-ND	.50	4.30	33.70	4003PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 34101
	220	17	0.200	160	10	6.0	0.6	4004PHCT-ND	.55	4.74	37.11	4004PHTB-ND	—	235.67	222.40/M	205.07/M	2222 021 34221
	330	24	0.200	230	11	8.0	0.6	4005PHCT-ND	.70	6.04	47.31	4005PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 34331
	470	32	0.200	310	18	6.5	0.8	4006PHCT-ND	.70	6.04	47.31	4006PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 34471
0	680	45	0.200	400	18	8.0	0.8	4007PHCT-ND	.81	6.91	54.12	—	—	—	—	—	2222 021 34681
	1000	64	0.200	550	18	10	0.8	4008PHCT-ND	.93	7.94	62.16	4008PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 34102
	1500	94	0.230	690	25	10	0.8	4009PHCT-ND	1.17	10.07	78.84	4009PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90525
	2200	136	0.250	800	30	12.5	0.8	4011PHBK-ND	1.72	14.76	115.62	—	472.63	734.32	692.96/M	638.96/M	2222 021 14222
	3300	202	0.270	1000	30	12.5	0.8	4012PHBK-ND	1.79	15.30	119.85	—	489.92	761.19	718.31/M	662.34/M	2222 021 14332
	4700	286	0.290	1180	30	15	0.8	4013PHBK-ND	2.18	18.69	146.41	—	598.48	929.85	877.47/M	809.09/M	2222 021 14472
	68	11	0.160	90	10	4.5	0.6	4017PHCT-ND	.50	4.30	33.70	4017PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 35689
	150	18	0.160	140	10	6.0	0.6	4018PHCT-ND	.55	4.74	37.11	4018PHTB-ND	—	235.67	222.40/M	205.07/M	2222 021 35151
	220	25	0.160	210	11	8.0	0.6	4019PHCT-ND	.70	6.04	47.31	4019PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 35221
	330	36	0.160	290	18	6.5	0.8	4020PHCT-ND	.70	6.04	47.31	4020PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 35331
	470	49	0.160	380	18	8.0	0.8	4021PHCT-ND	.81	6.91	54.12	4021PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 35471
6	680	69	0.160	500	18	10	0.8	4022PHCT-ND	.93	7.94	62.16	4022PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 35681
	1000	100	0.160	660	25	10	0.8	4023PHCT-ND	1.17	10.07	78.84	4023PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90518
	1000	100	0.160	700	30	10	0.8	4024PHBK-ND	1.41	12.12	94.94	—	388.10	602.98	569.02/M	524.68/M	2222 021 15102
	2200	216	0.210	890	30	12.5	0.8	4026PHBK-ND	1.79	15.33	120.09	—	490.88	762.68	719.72/M	663.64/M	2222 021 15222
	3300	321	0.230	1130	30	15	0.8	4027PHBK-ND	2.02	17.28	135.36	—	553.33	859.70	811.27/M	748.06/M	2222 021 15332
	4700	455	0.250	1410	30	18	0.8	4028PHBK-ND	2.43	20.79	162.86	—	665.72	1034.32	976.06/M	900.00/M	2222 021 15472
	6800	656	0.300	1780	38	18	0.8	4029PHBK-ND	3.17	27.18	212.91	—	870.34	1352.23	1276.06/M	1176.63/M	2222 021 15682
	10000	964	0.360	2170	38	21	0.8	4030PHBK-ND	5.89	48.00	376.00	—	1537.02	2388.05	2253.52/M	2077.92/M	2222 021 15103
	47	11	0.140	80	10	4.5	0.6	4031PHCT-ND	.50	4.30	33.70	4031PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 36479
	100	19	0.140	150	10	6.0	0.6	4032PHCT-ND	.55	4.74	37.11	4032PHTB-ND	—	235.67	222.40/M	205.07/M	2222 021 36101
	150	27	0.140	190	11	8.0	0.6	4033PHCT-ND	.70	6.04	47.31	4033PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90535
	150	27	0.140	210	18	6.5	0.8	4034PHCT-ND	.70	6.04	47.31	4034PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 36151
	220	37	0.140	250	18	6.5	0.8	4035PHCT-ND	.70	6.04	47.31	4035PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 36221
	330	54	0.140	340	18	8.0	0.8	4036PHCT-ND	.81	6.91	54.12	4036PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 36331
	470	75	0.140	450	18	10	0.8	4037PHCT-ND	.93	7.94	62.16	4037PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 36471
5	680	106	0.140	560	25	10	0.8	4038PHCT-ND	1.17	10.07	78.84	4038PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90528
	1000	154	0.140	720	30	12.5	0.8	4040PHBK-ND	1.55	13.32	104.34	—	426.52	662.68	625.36/M	576.63/M	2222 021 16102
	1500	229	0.170	790	30	12.5	0.8	4041PHBK-ND	1.70	14.58	114.21	—	466.87	725.37	684.51/M	631.17/M	2222 021 16152
	2200	334	0.190	1030	30	15	0.8	4042PHBK-ND	2.21	18.96	148.52	—	607.12	943.28	890.14/M	820.78/M	2222 021 16222
	3300	499	0.210	1310	30	18	0.8	4043PHBK-ND	2.47	21.18	165.91	—	678.21	1053.73	994.37/M	916.89/M	2222 021 16332
	4700	709	0.230	1680	38	18	0.8	4044PHBK-ND	3.91	33.48	262.26	—	1072.07	1665.66	1571.83/M	1449.35/M	2222 021 16472
	4700	709	0.230	1680	38	18	0.8	4329PHBK-ND0	2.85	24.42	191.29	—	781.96	1214.92	1146.48/M	1533.77/M	2222 021 90062
	6800	1024	0.280	2070	38	21	0.8	4045PHBK-ND	4.13	35.43	277.54	—	1134.51	1762.68	1663.38/M	1533.77/M	2222 021 16682
	22	9.0	0.110	60	10	4.5	0.6	4046PHCT-ND	.50	4.30	33.70	4046PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 37229
	47	15	0.110	110	10	6.0	0.6	4047PHCT-ND	.55	4.74	37.11	4047PHTB-ND	—	235.67	222.40/M	205.07/M	2222 021 37479
	100	28	0.110	170	11	8.0	0.6	4048PHCT-ND	.70	6.04	47.31	4048PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90538
	100	28	0.110	190	18	6.5	0.8	4049PHCT-ND	.70	6.04	47.31	4049PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 37101
	150	40	0.110	250	18	8.0	0.8	4050PHCT-ND	.81	6.91	54.12	4050PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 37151
	220	57	0.110	330	18	10	0.8	4051PHCT-ND	.93	7.94	62.16	4051PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 37221
	330	83	0.110	430	25	10	0.8	4052PHCT-ND	1.17	10.07	78.84	4052PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 37331
0	470	117	0.110	520	25	10	0.8	4053PHCT-ND	1.17	10.07	78.84	4053PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90515
	470	117	0.120	570	30	10	0.8	4054PHBK-ND	1.42	12.21	95.65	—	390.98	607.46	573.24/M	528.58/M	2222 021 17471
	680	167	0.120	620	30	12.5	0.8	4055PHBK-ND	1.60	13.74	107.63	—	439.97	683.58	645.07/M	594.81/M	2222 021 17681
	1000	244	0.120	770	30	12.5	0.8	4056PHBK-ND	2.05	17.58	137.71	—	562.93	874.62	825.36/M	761.04/M	2222 021 17102
	1500	364	0.150	930	30	15	0.8	4057PHBK-ND	2.04	17.46	136.77	—	559.09	868.65	819.72/M	755.85/M	2222 021 17152
	2200	532	0.170	1200	30	18	0.8	4058PHBK-ND	2.50	21.39	167.56	—	684.93	1064.17	1004.23/M	925.98/M	2222 021 17222
	3300	796	0.190	1550	38	18	0.8	4059PHBK-ND	3.48	29.85	233.83	—	955.83	1485.07	1401.41/M	1292.21/M	2222 021 17332
	4700	1132	0.210	1880	38	21	0.8	4060PHBK-ND	4.84	41.49	325.01	—	1328.56	2064.17	1947.89/M	1796.11/M	2222 021 17472
	0.47	4.2	0.090	8.0	10	4.5	0.6	4061PHCT-ND	.46	3.91	30.62	4061PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38477
	1.0	4.4	0.090	12	10	4.5	0.6	4062PHCT-ND	.46	3.91	30.62	4062PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38108
	2.2	4.8	0.090	21	10	4.5	0.6	4063PHCT-ND	.46	3.91	30.62	4063PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38228
	3.3	5.2	0.090	25	10	4.5	0.6	4064PHCT-ND	.46	3.91	30.62	4064PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38338
	4.7	5.8	0.090	31	10	4.5	0.6	4065PHCT-ND	.46	3.91	30.62	4065PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38478
	10	7.8	0.080	50	10	4.5	0.6	4066PHCT-ND	.46	3.91	30.62	4066PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 38109
	15	9.5	0.080	55	10	4.5	0.6	4067PHCT-ND	.50	4.30	33.70	4067PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 38159
	22	12	0.080	90	10	6.0	0.6	4068PHCT-ND	.50	4.30	33.70	4068PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 38229
	33	16	0.080	100	10	6.0	0.6	4069PHCT-ND	.55	4.74	37.11	4069PHTB-ND	—	235.67	222.40/M	205.07/M	2222 021 38339
	47	22	0.080	140	11	8.0	0.6	4070PHCT-ND	.70	6.04	47.31	4070PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90542
	47	22	0.080	150	18	6.5	0.8	4071PHCT-ND	.70	6.04	47.31	4071PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 38479
	68	30	0.080	160	11	8.0	0.6	4072PHCT-ND	.70	6.04	47.31	4072PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90545
	68	30	0.080	170	18	6.5	0.8	4073PHCT-ND	.70	6.04	47.31	4073PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 38689
	100	42	0.080	250	18	8.0	0.8	4074PHCT-ND	.81	6.91	54.12	4074PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 38101
	150	61	0.080	320	18	10	0.8	4075PHCT-ND	.93	7.94	62.16	4075PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 38151
	220	88	0.080	430	25	10	0.8	4076PHCT-ND	1.17	10.07	78.84	4076PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90512
	220	88	0.080	480	30	10	0.8	4077PHBK-ND	1.42	12.15	95.18	—	389.06	604.47	570.43/M	525.98/M	2222 021 18221
	330	129	0.080	530	30	12.5	0.8	4078PHBK-ND	1.62	13.62	106.69	—	436.13	677.61	639.44/M	589.61/M	2222 021 18331
	470	182	0.080	630	30	12.5	0.8	4079PHBK-ND	1.67	14.31	112.10	—	458.22	711.94	671.83/M	619.48/M	2222 021 18471
	680	261	0.080	830	30	15	0.8	4080PHBK-ND	1.99	17.04	133.48	—	545.64	847.76	800.00/M	737.67/M	2222 021 18681
	1000	382	0.080	1120	30	18	0.8	4081PHBK-ND	2.40	20.61	161.45	—	659.96	1025.37	967.61/M	892.21/M	2222 021 18102
	1500	571	0.110	1350	38	18	0.8	4082PHBK-ND	3.38	28.95	226.78	—	927.01	1440.29	1359.16/M	1253.25/M	2222 021 18152
	2200	836	0.130	1780	38	21	0.8	4083PHBK-ND	4.37	37.44	293.28	—	1198.87	1862.68	1757.75/M	1620.78/M	2222 021 18222
	1.0	4.6	0.080	14	10	4.5	0.6	4084PHCT-ND	.46	3.91	30.62	4084PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 39108
	2.2	5.3	0.080	20	10	4.5	0.6	4085PHCT-ND	.46	3.91	30.62	4085PHTB-ND	—	194.48	183.53/M	169.23/M	2222 021 39228
	4.7	7.0	0.080	30	10	4.5	0.6	4086PHCT-ND	.50	4.30	33.70	4086PHTB-ND	—	214.03	201.98/M	186.24/M	2222 021 39478
	10	10	0.080	65	10	6.0	0.6	4087PHCT-ND	.53	4.54	35.56	4087PHTB-ND	—	225.82	213.10/M	196.50/M	2222 021 39109
	15	13	0.080	77	11	8.0	0.6	4088PHCT-ND	.70	6.04	47.31	4088PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90548
	15	13	0.080	85	18	6.5	0.8	4089PHCT-ND	.70	6.04	47.31	4089PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 39159
	22	17	0.080	85	11	8.0	0.6	4090PHCT-ND	.70	6.04	47.31	4090PHTB-ND	193.38	300.45	283.52/M	261.43/M	2222 021 90552
	22	17	0.080	100	18	6.5	0.8	4091PHCT-ND	.70	6.04	47.31	4091PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 39229
0	33	24	0.080	120	18	6.5	0.8	4092PHCT-ND	.70	6.04	47.31	4092PHTB-ND	—	300.45	283.52/M	261.43/M	2222 021 39339
	47	32	0.080	160	18	8.0	0.8	4093PHCT-ND	.81	6.91	54.12	4093PHTB-ND	221.23	343.73	324.37/M	299.10/M	2222 021 39479
	68	45	0.080	220	18	10	0.8	4094PHCT-ND	.93	7.94	62.16	4094PHTB-ND	254.09	394.77	372.54/M	343.51/M	2222 021 39689
	100	64	0.080	300	25	10	0.8	4095PHCT-ND	1.17	10.07	78.84	4095PHTB-ND	322.29	500.74	472.54/M	435.72/M	2222 021 90532
	100	64	0.070	360	30	10	0.8	4096PHBK-ND	1.45	12.42	97.29	—	397.70	617.91	583.10/M	537.67/M	2222 021 19101
	220	136	0.080	460	30	12.5	0.8	4098PHBK-ND	1.74	14.88	116.56	—	476.47	740.29	698.60/M	644.16/M	2222 021 19221
	330	202	0.090	580	30	15	0.8	4099PHBK-ND	2.10	18.03	141.24	—	577.54	897.01	846.48/M	780.52/M	2222 021 19331
	470	286	0.090	740	30	18	0.8	4100PHBK-ND	2.55	21.87	171.32	—	700.30	1088.05	1026.76/M	946.76/M	2222 021 19471
	1000	604	0.100	1260	38	21	0.8	4102PHBK-ND	4.47	38.28	299.86	—	1225.77	1904.47	1797.19/M	1657.15/M	2222 021 19102

'stands for Cut Tape; "TB" stands for Tape and Box; "BK" stands for Bulk. ◊ *RoHS Compliant*

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AML 138 Axial Miniature Long-Life Electrolytic Capacitors

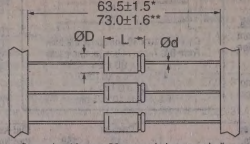
FEATURES:

• Polarized aluminum electrolytic capacitors, non-solid • Axial leads, cylindrical aluminum case, insulated with a blue sleeve (case Ø6.3mm x 12.7mm and 7.7mm x 12.7mm are molded with flame retardant plastic material) • Case Ø10mm x 30mm to 21mm x 40mm with pressure relief • Taped versions up to case Ø15mm x 30 mm available for automatic insertion • Charge and discharge proof • Long useful life: 2,000 to 10,000 hours at 105°C, high reliability • High ripple current capability • Miniaturized, high CV-product per unit volume

APPLICATIONS:

• Industrial, automotive, EDP and telecommunication • Smoothing, filtering, buffering in SMPS; coupling, decoupling, timing • Portable and mobile equipment (small size, low mass) • Standby applications • Low mounting height boards • Vibration and shock resistant

Dimension in mm.



Case size 10mm x 30mm and above are bulk
Form BA: Taped in box (ammopack)
*Case ØD x L = 6.3mm x 12.7mm and 7.7mm x 12.7 mm
**Case ØD x L = 6.5mm x 18mm and 10mm x 25 mm

DESCRIPTION	VALUE	
Case sizes (ØDnom x Lnom in mm)	6.3 x 12.7 to 10 x 25	10 x 30 to 21 x 4
Rated capacitance range, CR	1.0 to 15,000 µF	
Tolerance on CR	±20%	
Rated voltage range, UR	6.3 to 100V	
Category temperature range	-40°C ~ 105°C	
Endurance test at 105°C	1,000 hours	5,000 hours
Useful life at 105°C	2,000 hours	10,000 hours
Useful life at 40°C, IR applied	1.3 x IR applied: 200,000 hours	1.8 x IR applied: 500,000 hours
Shelf life at 0 V, 105°C	500 hours	
Based on sectional specification	IEC 384-4/CECC 30300	
Climatic category IEC 68 (DIN 40040)	40/105/56 (GMF)	

WV (VDC)	Cap. (µF)	Leakage Current (µA)	tan δ	Ripple Current (mA)	Dimensions (mm) L	D	d	Digi-Key Part No.	Pricing* 1	10	100	Digi-Key Part No.	Tape and Box Pricing 500	1,000	BC Component Part No.
6.3	100	16	0.240	99	12.7	6.3	0.6	4183PHCT-ND	1.34	11.45	89.68	4183PHTB-ND	—	569.55	2222 138 33101
	220	31	0.240	160	12.7	7.7	0.6	4184PHCT-ND	1.47	12.63	98.96	4184PHTB-ND	404.52	628.50	2222 138 33221
	470	22	0.240	250	18	6.5	0.8	4185PHCT-ND	1.15	9.87	77.29	4185PHTB-ND	—	490.89	2222 138 33471
	1000	42	0.240	430	18	10	0.8	4186PHCT-ND	1.57	13.42	105.14	4186PHTB-ND	429.79	667.76	2222 138 33102
	2200	87	0.290	640	25	10	0.8	4187PHCT-ND	1.89	16.19	126.78	4187PHTB-ND	518.26	805.22	2222 138 33222
10	150	33	0.200	140	12.7	7.7	0.6	4188PHCT-ND	1.47	12.63	98.96	4188PHTB-ND	404.52	628.50	2222 138 34151
	220	17	0.200	190	18	6.5	0.8	4189PHCT-ND	1.15	9.87	77.29	4189PHTB-ND	—	490.89	2222 138 34221
	470	32	0.200	300	18	8.0	0.8	4190PHCT-ND	1.24	10.66	83.50	4190PHTB-ND	341.31	530.30	2222 138 34471
	1000	64	0.200	520	25	10	0.8	4191PHCT-ND	1.89	16.19	126.78	4191PHTB-ND	518.26	805.22	2222 138 34102
	1500	94	0.260	560	30	10	0.8	4192PHBK-ND	1.78	15.24	119.38	—	488.00	758.21	2222 138 14152
	2200	140	0.270	750	30	12.5	0.8	4193PHBK-ND	1.87	15.99	125.26	—	512.02	795.52	2222 138 14222
	3300	200	0.280	990	30	15	0.8	4194PHBK-ND	2.26	19.38	151.81	—	620.57	964.17	2222 138 14332
	4700	290	0.310	1200	30	18	0.8	4195PHBK-ND	2.77	23.73	185.89	—	759.86	1180.59	2222 138 14472
	6800	410	0.320	1700	38	18	0.8	4196PHBK-ND	3.73	32.01	250.75	—	1025.00	1592.53	2222 138 14682
	10000	600	0.370	1900	38	18	0.8	4197PHBK-ND	4.68	40.11	314.20	—	1284.37	1995.51	2222 138 14103
16	22	10	0.120	58	12.7	6.3	0.6	4199PHCT-ND	1.34	11.45	89.68	4199PHTB-ND	—	569.55	2222 138 35229
	47	18	0.160	83	12.7	6.3	0.6	4200PHCT-ND	1.34	11.45	89.68	4200PHTB-ND	—	569.55	2222 138 35479
	100	35	0.160	130	12.7	7.7	0.6	4201PHCT-ND	1.47	12.63	98.96	4201PHTB-ND	404.52	628.50	2222 138 35101
	220	25	0.160	230	18	8.0	0.8	4202PHCT-ND	1.24	10.66	83.50	4202PHTB-ND	341.31	530.30	2222 138 35221
	470	49	0.160	360	18	10	0.8	4203PHCT-ND	1.57	13.42	105.14	4203PHTB-ND	429.79	667.76	2222 138 35471
	1000	100	0.190	530	30	10	0.8	4204PHBK-ND	1.61	13.77	107.87	—	440.93	685.07	2222 138 15102
	2200	210	0.210	950	30	15	0.8	4206PHBK-ND	2.22	19.02	148.99	—	609.04	946.26	2222 138 15222
	4700	450	0.280	1400	30	18	0.8	4208PHBK-ND	3.49	29.88	234.06	—	956.79	1486.56	2222 138 15472
	10000	960	0.350	2100	38	21	0.8	4210PHBK-ND	6.20	53.16	416.42	—	1702.25	2644.76	2222 138 15103
25	10	8.0	0.090	46	12.7	6.3	0.6	4211PHCT-ND	1.34	11.45	89.68	4211PHTB-ND	—	569.55	2222 138 36109
	22	14	0.140	61	12.7	6.3	0.6	4212PHCT-ND	1.34	11.45	89.68	4212PHTB-ND	—	569.55	2222 138 36229
	33	20	0.140	74	12.7	6.3	0.6	4213PHCT-ND	1.34	11.45	89.68	4213PHTB-ND	—	569.55	2222 138 36339
	47	27	0.140	96	12.7	7.7	0.6	4214PHCT-ND	1.47	12.63	98.96	4214PHTB-ND	404.52	628.50	2222 138 36479
	100	19	0.130	160	18	6.5	0.8	4215PHCT-ND	1.15	9.87	77.29	4215PHTB-ND	—	490.89	2222 138 36101
	220	37	0.130	270	18	10	0.8	4216PHCT-ND	1.57	13.42	105.14	4216PHTB-ND	429.79	667.76	2222 138 36221
	470	75	0.130	440	25	10	0.8	4217PHCT-ND	1.89	16.19	126.78	4217PHTB-ND	518.26	805.22	2222 138 36471
	680	110	0.140	500	30	10	0.8	4218PHBK-ND	1.58	13.56	106.22	—	434.21	674.62	2222 138 16681
	1000	150	0.140	670	30	12.5	0.8	4219PHBK-ND	1.83	15.69	122.91	—	502.41	780.59	2222 138 16102
	1500	230	0.150	890	30	15	0.8	4220PHBK-ND	2.23	19.08	149.46	—	610.96	949.25	2222 138 16152
	2200	330	0.160	1200	30	18	0.8	4221PHBK-ND	2.78	23.79	186.36	—	761.78	1183.58	2222 138 16222
	3300	500	0.170	1600	38	18	0.8	4222PHBK-ND	3.80	32.58	255.21	—	1043.25	1620.89	2222 138 16332
	4700	710	0.200	1800	38	18	0.8	4223PHBK-ND	4.75	40.68	318.66	—	1302.62	2023.87	2222 138 16472
	6800	1000	0.260	2100	38	21	0.8	4224PHBK-ND	6.39	54.75	428.88	—	1753.16	2723.87	2222 138 16682
40	33	29	0.110	91	12.7	7.7	0.6	4225PHCT-ND	1.47	12.63	98.96	4225PHTB-ND	404.52	628.50	2222 138 37339
	47	15	0.100	120	18	6.5	0.8	4226PHCT-ND	1.15	9.87	77.29	4226PHTB-ND	—	490.89	2222 138 37479
	100	28	0.100	180	18	8.0	0.8	4227PHCT-ND	1.24	10.66	83.50	4227PHTB-ND	341.31	530.30	2222 138 37101
	220	57	0.100	350	25	10	0.8	4228PHCT-ND	1.89	16.19	126.78	4228PHTB-ND	518.26	805.22	2222 138 37221
	330	83	0.100	410	30	10	0.8	4229PHBK-ND	1.53	13.08	102.46	—	418.84	650.74	2222 138 17331
	470	120	0.100	550	30	12.5	0.8	4230PHBK-ND	1.73	14.85	116.33	—	475.51	739.80	2222 138 17471
	680	170	0.110	650	30	12.5	0.8	4231PHBK-ND	1.96	16.83	131.84	—	538.92	837.31	2222 138 17681
	1000	240	0.110	840	30	15	0.8	4232PHBK-ND	2.36	20.22	158.39	—	647.47	1005.97	2222 138 17102
	2200	530	0.130	1500	38	18	0.8	4234PHBK-ND	3.86	33.06	258.97	—	1058.62	1644.77	2222 138 17222
	3300	800	0.150	1700	38	21	0.8	4235PHBK-ND	5.22	44.70	350.15	—	1431.35	2223.87	2222 138 17332
50	10	13	0.090	51	12.7	6.3	0.6	4236PHCT-ND	1.34	11.45	89.68	4236PHTB-ND	—	569.55	2222 138 31109
	22	25	0.090	82	12.7	7.7	0.6	4237PHCT-ND	1.47	12.63	98.96	4237PHTB-ND	404.52	628.50	2222 138 31229
	100	34	0.080	230	18	10	0.8	4238PHCT-ND	1.57	13.42	105.14	4238PHTB-ND	429.79	667.76	2222 138 31101
63	4.7	9.0	0.090	35	12.7	6.3	0.6	4239PHCT-ND	1.34	11.45	89.68	4239PHTB-ND	—	569.55	2222 138 38479
	10	16	0.080	59	12.7	7.7	0.6	4240PHCT-ND	1.47	12.63	98.96	4240PHTB-ND	404.52	628.50	2222 138 38109
	22	12	0.070	100	18	6.5	0.8	4241PHCT-ND	1.15	9.87	77.29	4241PHTB-ND	—	490.89	2222 138 38229
	47	22	0.070	150	18	8.0	0.8	4242PHCT-ND	1.24	10.66	83.50	4242PHTB-ND	341.31	530.30	2222 138 38479
	100	42	0.070	280	25	10	0.8	4243PHCT-ND	1.89	16.19	126.78	4243PHTB-ND	518.26	805.22	2222 138 38101
	150	61	0.110	340	30	10	0.8	4244PHBK-ND	1.50	12.84	100.58	—	411.15	638.80	2222 138 18151
	220	88	0.110	470	30	12.5	0.8	4245PHBK-ND	1.68	14.37	112.57	—	460.14	714.92	2222 138 18221
	330	130	0.120	570	30	12.5	0.8	4246PHBK-ND	1.96	16.80	131.60	—	537.96	835.82	2222 138 18331
	470	180	0.120	730	30	15	0.8	4247PHBK-ND	2.32	19.86	155.57	—	635.94	988.05	2222 138 18471
	1000	380	0.120	1300	38	18	0.8	4249PHBK-ND	3.68	31.50	246.75	—	1008.67	1567.16	2222 138 18102
	1500	570	0.130	1600	38	21	0.8	4250PHBK-ND	4.93	42.27	331.12	—	1353.53	2102.97	2222 138 18152
100	1.0	5.0	0.090	16	12.7	6.3	0.6	4251PHCT-ND	1.34	11.45	89.68	4251PHTB-ND	—	569.55	2222 138 39108
	2.2	7.0	0.090	24	12.7	6.3	0.6	4252PHCT-ND	1.34	11.45	89.68	4252PHTB-ND	—	569.55	2222 138 39228
	4.7	12	0.080	40	12.7	7.7	0.6	4253PHCT-ND	1.47	12.63	98.96	4253PHTB-ND	404.52	628.50	2222 138 39478
	10	10	0.070	67	18	6.5	0.8	4254PHCT-ND	1.15	9.87	77.29	4254PHTB-ND	—	490.89	2222 138 39109
	22	17	0.070	100	18	8.0	0.8	4255PHCT-ND	1.24	10.66	83.50	4255PHTB-ND	341.31	530.30	2222 138 39229
	47	32	0.070	190	25	10	0.8	4256PHCT-ND	1.89	16.19	126.78	4256PHTB-ND	518.26	805.22	2222 138 39479
	68	45	0.070	220	30	10	0.8	4257PHBK-ND	1.59	13.62	106.69	—	436.13	677.61	2222 138 19689
	100	64	0.070	290	30	12.5	0.8	4258PHBK-ND	1.77	15.21	119.15	—	487.04	756.71	2222 138 19101
	220	140	0.070	470	30	15	0.8	4260PHBK-ND	2.48	21.27	166.62	—	681.09	1058.20	2222 138 19221
	330	200	0.080	620	30	18	0.8	4261PHBK-ND	3.13	26.79	209.86	—	857.85	1332.83	2222 138 19331
	470	290	0.080	840	38	18	0.8	4262PHBK-ND	3.94	33.78	264.61	—	1081.68	1680.59	2222 138 19471

* "CT" stands for Cut Tape and "BK" stands for Bulk

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Bi-Polar Series SU Capacitors

TURES:

al for circuits where polarity is not constant or reverse voltage is lied when switches are turned on or off.
: 2000 hours at +85°C.

CIFICATIONS:

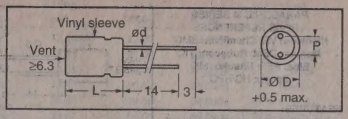
rating Temperature Range: –40°C ~ 85°C.
acitance Tolerance: ±20% (120Hz, +20°C).
age Current: I ≤ 0.03CV + 3(μA) after 5 minutes application of l working voltage at +20°C.
Temperature Characteristics: Impedance ratio max. at 120Hz. wing specified values.

Working Voltage		6.3V	10V	16V	25V	35V	50V
Impedance	-25°C/+20°C	4	3	2	2	2	2
	-40°C/+20°C	8	6	4	4	4	3

ENDURANCE:

Test Conditions: Duration: 2000 hours. Ambient Temperature: +85°C. Applied Voltage: Rated DC working voltage to each polarity for 1000 hours.

Post Test Requirements: +20°C. Leakage Current: ≤initial specified value. Capacitance Change: ±20% of initial measured value. tan δ: ≤150% of initial specified value.



SHELF LIFE:

Test Conditions: Duration: 1000 hours. Ambient Temperature: 85°C. Applied Voltage: none

Post Test Requirements (+20°C): Same limits for "Endurance".

Cap. (μF)	D.C.L. (+20°C/5min.) (μA) max.	tan δ (120Hz/+20°C) (max.)	Ripple Current (mA) rms	Dimensions D	L	P	d	Digi-Key Part No.	Pricing 1	10	100	1,000	5,000	10,000	Panasonic Part No.
33	9.2	0.30	80	5	11	2.0	0.5	P1141-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A0JN330U
47	11.8	0.30	90	5	11	2.0	0.5	P1142-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A0JN470U
100	21.9	0.30	130	6.3	11.2	2.5	0.5	P1143-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A0JN101U
220	44.5	0.30	200	8	11.5	3.5	0.6	P1144-ND	.38	2.65	18.95	106.00	99.00/M	95.00/M	ECE-A0JN221U
330	65.3	0.30	250	8	11.5	3.5	0.6	P1145-ND	.42	2.96	21.13	118.00	110.00/M	106.00/M	ECE-A0JN331U
470	91.8	0.30	310	10	12.5	5.0	0.6	P1146-ND	.53	3.73	27.40	157.00	152.00/M	146.00/M	ECE-A0JN471X
1000	192.0	0.30	430	10	20	5.0	0.6	P1147-ND	.80	5.60	41.10	236.00	227.00/M	219.00/M	ECE-A0JN102U
2200	418.8	0.30	660	12.5	25	5.0	0.6	P1148-ND	1.11	7.87	59.02	349.00	336.00/M	328.00/M	ECE-A0JN222U
3300	626.7	0.30	760	16	25	7.5	0.8	P1149-ND	1.42	10.05	75.40	446.00	429.00/M	419.00/M	ECE-A0JN332U
4700	891.3	0.30	1170	16	31.5	7.5	0.8	P1150-ND	1.73	12.36	93.26	606.00	588.00/M	574.00/M	ECE-A0JN472U
6800	1288.2	0.30	1450	18	35.5	7.5	0.8	P1151-ND	2.44	17.38	131.14	852.00	826.00/M	807.00/M	ECE-A0JN682U
22	9.6	0.25	60	5	11	2.0	0.5	P1152-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1AN220U
33	12.9	0.25	80	5	11	2.0	0.5	P1153-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1AN330U
47	17.1	0.25	90	5	11	2.0	0.5	P1154-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1AN470U
100	33.0	0.25	130	6.3	11.2	2.5	0.5	P1155-ND	.84	6.27	46.06	265.00	255.00/M	245.00/M	ECE-A1AN101U
100	33.0	0.25	130	6.3	11.2	2.5	0.5	P1370-ND	.51	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1AN101X
220	69.0	0.25	200	8	11.5	3.5	0.6	P1156-ND	.42	2.96	21.13	118.00	110.00/M	106.00/M	ECE-A1AN221U
330	102.0	0.25	280	10	16	5.0	0.6	P1157-ND	.53	3.73	27.40	157.00	152.00/M	146.00/M	ECE-A1AN331U
470	144.0	0.25	340	10	16	5.0	0.6	P1158-ND	.66	4.66	34.24	197.00	189.00/M	182.00/M	ECE-N1AN471U
1000	303.0	0.25	470	12.5	20	5.0	0.6	P1159-ND	.99	6.99	52.45	310.00	298.00/M	291.00/M	ECE-A1AN102X
2200	663.0	0.25	690	16	25	7.5	0.8	P1160-ND	1.42	10.05	75.40	446.00	429.00/M	419.00/M	ECE-A1AN222U
3300	993.0	0.25	1090	16	31.5	7.5	0.8	P1161-ND	1.73	12.36	93.26	606.00	588.00/M	574.00/M	ECE-A1AN332U
4700	1413.0	0.25	1200	18	35.5	7.5	0.8	P1162-ND	2.44	17.38	131.14	852.00	826.00/M	807.00/M	ECE-A1AN472U
10	7.8	0.20	40	5	11	2.0	0.5	P1163-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1CN100U
22	13.5	0.20	60	5	11	2.0	0.5	P1164-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1CN220U
33	18.8	0.20	80	5	11	2.0	0.5	P1165-ND	.20	1.38	9.83	55.00	51.00/M	49.00/M	ECE-A1CN330U
47	25.5	0.20	100	6.3	11.2	2.5	0.5	P1166-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1CN470U
100	51.0	0.20	180	8	11.5	3.5	0.6	P1167-ND	.43	2.96	21.13	118.00	110.00/M	106.00/M	ECE-A1CN101U
220	108.6	0.20	260	10	12.5	5.0	0.6	P1168-ND	.53	3.73	27.40	157.00	152.00/M	146.00/M	ECE-A1CN221X
330	161.4	0.20	330	10	16	5.0	0.6	P1169-ND	.66	4.66	34.24	197.00	189.00/M	182.00/M	ECE-A1CN331U
470	228.6	0.20	380	10	20	5.0	0.6	P1170-ND	.74	5.25	39.35	233.00	224.00/M	219.00/M	ECE-A1CN471U
1000	483.0	0.20	560	12.5	25	5.0	0.6	P1171-ND	1.23	8.74	65.57	388.00	373.00/M	364.00/M	ECE-A1CN102U
2200	1059.0	0.20	750	16	31.5	7.5	0.8	P1172-ND	1.73	12.36	93.26	606.00	588.00/M	574.00/M	ECE-A1CN222U
3300	1587.0	0.20	900	18	35.5	7.5	0.8	P1173-ND	2.44	17.38	131.14	852.00	826.00/M	807.00/M	ECE-A1CN332U
3.3	5.4	0.15	20	5	11	2.0	0.5	P1174-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1EN3R3U
4.7	6.5	0.15	25	5	11	2.0	0.5	P1175-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1EN4R7U
10	10.5	0.15	45	5	11	2.0	0.5	P1176-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1EN100U
22	19.5	0.15	60	5	11	2.0	0.5	P1177-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1EN220X
33	27.7	0.15	90	6.3	11.2	2.5	0.5	P1178-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1EN330U
47	38.2	0.15	110	6.3	11.2	2.5	0.5	P1179-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1EN470U
100	78.0	0.15	180	8	11.5	3.5	0.6	P1180-ND	.45	3.17	23.29	134.00	129.00/M	124.00/M	ECE-A1EN101U
220	168.0	0.15	320	10	16	5.0	0.6	P1181-ND	.67	4.66	34.24	197.00	189.00/M	182.00/M	ECE-A1EN221U
330	250.5	0.15	350	12.5	20	5.0	0.6	P1182-ND	.80	5.68	42.62	252.00	242.00/M	237.00/M	ECE-A1EN331U
470	355.5	0.15	430	12.5	20	5.0	0.6	P1183-ND	.99	6.99	52.45	310.00	298.00/M	291.00/M	ECE-A1EN471U
1000	753.0	0.15	680	16	25	7.5	0.8	P1184-ND	1.51	10.81	81.60	530.00	514.00/M	502.00/M	ECE-A1EN102U
2200	1653.0	0.15	900	18	35.5	7.5	0.8	P1185-ND	2.44	17.38	131.14	852.00	826.00/M	807.00/M	ECE-A1EN222U
4.7	7.9	0.15	30	5	11	2.0	0.5	P1186-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1VN4R7U
10	13.5	0.15	43	5	11	2.0	0.5	P1187-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1VN100U
22	26.1	0.15	80	6.3	11.2	2.5	0.5	P1188-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1VN220U
33	37.6	0.15	100	8	11.5	3.5	0.6	P1189-ND	.42	2.96	21.13	118.00	110.00/M	106.00/M	ECE-A1VN330U
47	52.3	0.15	120	8	11.5	3.5	0.6	P1190-ND	.45	3.17	23.29	134.00	129.00/M	124.00/M	ECE-A1VN470U
100	109.0	0.15	230	10	16	5.0	0.6	P1191-ND	.67	4.66	34.24	197.00	189.00/M	182.00/M	ECE-A1VN101U
220	234.0	0.15	360	12.5	20	5.0	0.6	P1192-ND	.80	5.68	42.62	252.00	242.00/M	237.00/M	ECE-A1VN221U
330	349.5	0.15	450	12.5	20	5.0	0.6	P1193-ND	.99	6.99	52.45	310.00	298.00/M	291.00/M	ECE-A1VN331U
470	496.5	0.15	590	12.5	25	5.0	0.6	P1194-ND	1.08	7.72	58.28	379.00	367.00/M	358.00/M	ECE-A1VN471U
0.47	3.7	0.15	10	5	11	2.0	0.5	P1195-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1HNR47U
1	4.5	0.15	10	5	11	2.0	0.5	P1196-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1HN010U
2.2	6.3	0.15	18	5	11	2.0	0.5	P1197-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1HN2R2U
3.3	7.9	0.15	25	5	11	2.0	0.5	P1198-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1HN3R3U
4.7	10.0	0.15	30	5	11	2.0	0.5	P1199-ND	.24	1.53	10.81	59.00	51.00/M	49.00/M	ECE-A1HN4R7U
10	18.0	0.15	50	6.3	11.2	2.5	0.5	P1280-ND	.31	2.14	15.30	86.00	80.00/M	77.00/M	ECE-A1HN100U
22	36.0	0.15	90	8	11.5	3.5	0.6	P1281-ND	.42	2.96	21.13	118.00	110.00/M	106.00/M	ECE-A1HN220U
33	52.5	0.15	110	8	11.5	3.5	0.6	P1282-ND	.45	3.17	23.29	134.00	129.00/M	124.00/M	ECE-A1HN330U
47	73.5	0.15	140	10	12.5	5.0	0.6	P1283-ND	.57	3.96	29.12	167.00	161.00/M	155.00/M	ECE-A1HN470U
100	153.0	0.15	250	10	20	5.0	0.6	P1284-ND	.74	5.25	39.35	233.00	224.00/M	219.00/M	ECE-A1HN101U
220	333.0	0.15	360	12.5	25	5.0	0.6	P1285-ND	1.11	7.87	59.02	349.00	336.00/M	328.00/M	ECE-A1HN221U
330	498.0	0.15	450	16	25	7.5	0.8	P1286-ND	1.24	8.88	67.02	436.00	422.00/M	412.00/M	ECE-A1HN331U
470	708.0	0.15	590	16	31.5	7.5	0.8	P1287-ND	1.73	12.36	93.26	606.00	588.00/M	574.00/M	ECE-A1HN471U

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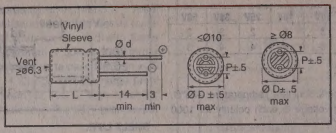
M Series Radial Lead Aluminum Electrolytic Capacitors

PANASONIC M SERIES CROSS REFERENCES
Nichicon: VR; **Chemicon:** SMG; **Marcon:** DSM; **Rubycon:** YK; **Elna:** RE3; **Nitsuko:** MK; **Sanyo:** HC/HPC



FEATURES:
- Miniaturized size version for general purpose use
- Life: 2000 hours at +85°C
- Vent construction for ≥ø6.3 mm products

SPECIFICATIONS:

Operating Temperature Range	-40°C ~ 85°C	-25°C ~ 85°C
Rated Working Voltage Range	6.3 ~ 100 V DC	160 ~ 450 V DC
Nominal Capacitance Range	0.33 ~ 22000 µF	1 ~ 470 µF

Capacitance Tolerance: ±20% (120 Hz, 20°C)

Leakage Current	I≤ 0.03 CV or 4 (µA) after 1 minute I≤ 0.01 CV or 3 (µA) after 2 minutes Whichever is greater measured with rated working voltage at 20°C.	I≤ 0.06 CV + 10 (µA) after 2 minutes application of rated working voltage at 20°C.

tan δ: (at 120 Hz, 20°C)

W.V.	6.3	10	16	25	35	50	63	100	160	250	450
tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.11	0.10	0.16	0.18	0.20

For capacitance value > 1000 µF, add 0.02 per every 1000 µF.

Low Temperature Characteristics: Impedance ratio at 120 Hz

W.V.	6.3	10	16	25	35	50	63	100	160	250	450
-25°C/20°C	5	4	3	2	2	2	2	2	2	3	6
-40°C/20°C	12	10	8	5	4	3	3	3	—	—	—

For capacitance value >1000 µF, add 0.5 per every 1000 µF for -25°C/20°C.
add 1.0 per every 1000 µF for -40°C/20°C.

Ripple Current: 120 Hz, 85°C

Frequency (Hz)	50/60	120	1k	10k
Correction Factor (Multiplier)	0.7	1	1.3	1.7

Endurance:

Test Conditions		Post Test Requirements at 20°C	
Duration	2000 Hours	Leakage Current	≤ initial specified value
Ambient Temperature	85°C	Capacitance Change	±20% of initial measured val
Applied Voltage	Rated DC Working Voltage	tan δ	≤ 150% initial specified valu

Shelf Life:

Test Conditions		Post Test Requirements at 20°C	
Duration	1000 Hours	Leakage Current	≤ initial specified value
Ambient Temperature	85°C	Capacitance Change	±20% of initial measured val
Applied Voltage	—	tan δ	≤ 150% initial specified valu

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WV (VDC)	Cap. (µF)	Leakage Current (µA)	tan δ max.	Ripple Current (mA) rms	Dimensions (mm) øD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	500	1,000	5,000	Panasonic Part No.
6.3	100	6.3	0.28	130	5	11	2.0	0.5	P5111-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-0JM101
	220	13.8	0.28	240	5	11	2.0	0.5	P5112-ND	.16	.77	5.21	17.64	27.00	23.00/M	ECA-0JM221
	330	20.7	0.28	300	6.3	11.2	2.5	0.5	P5113-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-0JM331
	470	29.6	0.28	380	6.3	11.2	2.5	0.5	P5114-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-0JM471
	1000	63.0	0.28	580	8	11.5	3.5	0.6	P5115-ND	.25	1.48	10.58	38.07	59.00	55.00/M	ECA-0JM102
	2200	138.6	0.30	890	10	16	5.0	0.6	P5116-ND	.46	2.60	18.58	66.87	104.00	97.00/M	ECA-0JM222
	3300	207.9	0.32	1020	10	20	5.0	0.6	P5117-ND	.57	3.26	23.97	86.70	138.00	133.00/M	ECA-0JM332
	4700	296.1	0.34	1170	12.5	20	5.0	0.6	P5118-ND	.82	4.66	34.24	123.85	197.00	189.00/M	ECA-0JM472
	6800	428.4	0.38	1270	12.5	25	5.0	0.6	P5119-ND	.93	5.90	44.26	157.36	262.00	252.00/M	ECA-0JM682
	10000	630.0	0.46	1450	16	25	7.5	0.8	P5120-ND	1.30	7.43	55.73	198.16	329.00	317.00/M	ECA-0JM103
	15000	945.0	0.56	1700	16	31.5	7.5	0.8	P5121-ND	1.61	9.27	69.94	262.28	455.00	441.00/M	ECA-0JM153
	22000	1386.0	0.70	1900	18	35.5	7.5	0.8	P5122-ND	2.35	13.52	102.00	382.50	663.00	643.00/M	ECA-0JM223
10	100	10.0	0.24	150	5	11	2.0	0.5	P5123-ND	.16	.77	5.21	17.64	27.00	23.00/M	ECA-1AM101
	220	22.0	0.24	250	6.3	11.2	2.5	0.5	P5124-ND	.24	1.21	8.12	27.51	42.00	35.00/M	ECA-1AM221
	330	33.0	0.24	330	6.3	11.2	2.5	0.5	P5125-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1AM331
	470	47.0	0.24	400	8	11.5	3.5	0.6	P5126-ND	.32	1.65	11.63	40.19	63.00	55.00/M	ECA-1AM471
	1000	100.0	0.24	630	10	12.5	5.0	0.6	P5127-ND	.34	1.99	14.20	51.12	80.00	74.00/M	ECA-1AM102
	2200	220.0	0.26	920	10	20	5.0	0.6	P5128-ND	.57	3.26	23.97	86.70	138.00	133.00/M	ECA-1AM222
	3300	330.0	0.28	1090	12.5	20	5.0	0.6	P5129-ND	.74	4.66	34.24	123.85	197.00	189.00/M	ECA-1AM332
	4700	470.0	0.30	1200	12.5	25	5.0	0.6	P5130-ND	.94	5.90	44.26	157.36	262.00	252.00/M	ECA-1AM472
	6800	680.0	0.34	1400	16	25	7.5	0.8	P5131-ND	1.30	7.43	55.73	198.16	329.00	317.00/M	ECA-1AM682
	10000	1000.0	0.42	1600	16	31.5	7.5	0.8	P5132-ND	1.56	9.27	69.94	262.28	455.00	441.00/M	ECA-1AM103
	15000	1500.0	0.52	1850	18	35.5	7.5	0.8	P5133-ND	2.35	13.52	102.00	382.50	663.00	643.00/M	ECA-1AM153
16	10	3.0	0.20	30	5	11	2.0	0.5	P5134-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1CM100
	22	3.5	0.20	75	5	11	2.0	0.5	P5135-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1CM220
	33	5.2	0.20	110	5	11	2.0	0.5	P5136-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1CM330
	47	7.5	0.20	130	5	11	2.0	0.5	P5137-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1CM470
	100	16.0	0.20	180	5	11	2.0	0.5	P5138-ND	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1CM101
	220	35.2	0.20	280	6.3	11.2	2.5	0.5	P5139-ND	.19	1.02	7.21	24.89	39.00	34.00/M	ECA-1CM221
	330	52.8	0.20	350	8	11.5	3.5	0.6	P5140-ND	.32	1.65	11.63	40.19	63.00	55.00/M	ECA-1CM331
	470	75.2	0.20	440	8	11.5	3.5	0.6	P5141-ND	.26	1.48	10.58	36.07	59.00	55.00/M	ECA-1CM471
	1000	160.0	0.20	680	10	16	5.0	0.6	P5142-ND	.40	2.60	18.58	66.87	104.00	97.00/M	ECA-1CM102
	2200	352.0	0.22	1000	12.5	20	5.0	0.6	P5143-ND	.82	4.66	34.24	123.85	197.00	189.00/M	ECA-1CM222
	3300	528.0	0.24	1200	12.5	25	5.0	0.6	P5144-ND	1.03	5.90	44.26	157.36	262.00	252.00/M	ECA-1CM332
	4700	752.0	0.26	1360	16	25	7.5	0.8	P5145-ND	1.30	7.43	55.73	198.16	329.00	317.00/M	ECA-1CM472
	6800	1088.0	0.30	1600	16	31.5	7.5	0.8	P5146-ND	1.58	9.27	69.94	262.28	455.00	441.00/M	ECA-1CM682
	10000	1600.0	0.36	1800	18	35.5	7.5	0.8	P5147-ND	2.35	13.52	102.00	382.50	663.00	643.00/M	ECA-1CM103
25	10	3.0	0.16	50	5	11	2.0	0.5	P5148-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1EM100
	22	5.5	0.16	90	5	11	2.0	0.5	P5149-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1EM220
	33	8.2	0.16	110	5	11	2.0	0.5	P5150-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1EM330
	47	11.7	0.16	130	5	11	2.0	0.5	P5151-ND	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1EM470
	100	25.0	0.16	180	6.3	11.2	2.5	0.5	P5152-ND	.23	1.21	8.12	27.51	42.00	35.00/M	ECA-1EM101
	220	55.0	0.16	310	8	11.5	3.5	0.6	P5153-ND	.31	1.65	11.63	40.19	63.00	55.00/M	ECA-1EM221
	330	82.5	0.16	390	8	11.5	3.5	0.6	P5154-ND	.25	1.48	10.58	36.07	59.00	55.00/M	ECA-1EM331
	470	117.5	0.16	480	10	12.5	5.0	0.6	P5155-ND	.39	2.30	16.40	59.04	92.00	85.00/M	ECA-1EM471
	1000	250.0	0.16	850	10	20	5.0	0.6	P5156-ND	.58	3.50	25.69	92.91	148.00	142.00/M	ECA-1EM102
	2200	550.0	0.18	1200	12.5	25	5.0	0.6	P5157-ND	1.04	5.90	44.26	157.36	262.00	252.00/M	ECA-1EM222
	3300	825.0	0.20	1300	16	25	7.5	0.8	P5158-ND	1.35	8.31	62.30	221.52	368.00	354.00/M	ECA-1EM332
	4700	1175.0	0.22	1500	16	31.5	7.5	0.8	P5159-ND	1.72	10.04	75.78	284.18	493.00	477.00/M	ECA-1EM472
	6800	1700.0	0.26	1750	18	35.5	7.5	0.8	P5160-ND	2.55	14.67	110.74	415.28	720.00	698.00/M	ECA-1EM682

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Cap. (µF)	Leakage Current (µA)	tan δ max.	Ripple Current (mA) rms	Dimensions (mm) øD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	500	1,000	5,000	Panasonic Part No.
10	3.5	0.14	60	5	11	2.0	0.5	P5161-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1VM100
22	7.7	0.14	95	5	11	2.0	0.5	P5162-ND	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1VM220
33	11.5	0.14	110	5	11	2.0	0.5	P5163-ND	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1VM330
47	16.4	0.14	130	5	11	2.0	0.5	P5164-ND	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1VM470
100	35.0	0.14	210	6.3	11.2	2.5	0.5	P5165-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1VM101
220	77.0	0.14	350	8	11.5	3.5	0.6	P5166-ND	.26	1.48	10.58	38.07	59.00	55.00/M	ECA-1VM221
330	115.5	0.14	440	10	12.5	5.0	0.6	P5167-ND	.36	2.30	16.40	59.04	92.00	85.00/M	ECA-1VM331
470	164.5	0.14	550	10	16	5.0	0.6	P5168-ND	.43	2.65	18.95	68.22	106.00	99.00/M	ECA-1VM471
1000	350.0	0.14	900	12.5	20	5.0	0.6	P5169-ND	.74	5.13	37.67	136.26	216.00	208.00/M	ECA-1VM102
2200	770.0	0.16	1250	16	25	7.5	0.8	P5170-ND	1.26	8.31	62.30	221.52	368.00	354.00/M	ECA-1VM222
3300	1155.0	0.18	1400	16	31.5	7.5	0.8	P5171-ND	1.48	10.04	75.78	284.18	493.00	477.00/M	ECA-1VM332
4700	1645.0	0.20	1600	18	35.5	7.5	0.8	P5172-ND	2.42	14.67	110.74	415.28	720.00	698.00/M	ECA-1VM472
0.33	3.0	0.12	4.4	5	11	2.0	0.5	P5349-ND*	.21	1.33	8.99	30.45	46.00	39.00/M	ECA-1HMR33
0.47	3.0	0.12	5	5	11	2.0	0.5	P5173-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HMR47
1.0	3.0	0.12	10	5	11	2.0	0.5	P5174-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HM010
2.2	3.0	0.12	20	5	11	2.0	0.5	P5175-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HM2R2
3.3	3.0	0.12	35	5	11	2.0	0.5	P5176-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HM3R3
4.7	3.0	0.12	45	5	11	2.0	0.5	P5177-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HM4R7
10	5.0	0.12	65	5	11	2.0	0.5	P5178-ND*	.15	.77	5.21	17.64	27.00	23.00/M	ECA-1HM100
22	11.0	0.12	100	5	11	2.0	0.5	P5179-ND*	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1HM220
33	16.5	0.12	110	5	11	2.0	0.5	P5180-ND*	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1HM330
47	23.5	0.12	130	6.3	11.2	2.5	0.5	P5181-ND*	.25	1.21	8.12	27.51	42.00	35.00/M	ECA-1HM470
100	50.0	0.12	250	8	11.5	3.5	0.6	P5182-ND*	.29	1.65	11.63	40.19	63.00	55.00/M	ECA-1HM101
220	110.0	0.12	400	10	12.5	5.0	0.6	P5183-ND*	.37	2.45	17.48	62.91	98.00	91.00/M	ECA-1HM221
330	165.0	0.12	500	10	16	5.0	0.6	P5184-ND*	.43	2.56	18.82	68.09	108.00	104.00/M	ECA-1HM331
470	235.0	0.12	650	10	20	5.0	0.6	P5185-ND*	.52	3.50	25.69	92.91	148.00	142.00/M	ECA-1HM471
1000	500.0	0.12	1050	12.5	25	5.0	0.6	P5186-ND*	1.03	6.12	45.90	163.20	271.00	261.00/M	ECA-1HM102
2200	1100.0	0.14	1300	16	31.5	7.5	0.8	P5187-ND*	1.85	10.81	81.60	306.00	530.00	514.00/M	ECA-1HM222
3300	1650.0	0.16	1500	18	35.5	7.5	0.8	P5188-ND*	2.51	14.67	110.74	415.28	720.00	698.00/M	ECA-1HM332
10	6.3	0.11	70	5	11	2.0	0.5	P5189-ND	.17	.87	5.86	19.85	30.00	26.00/M	ECA-1JM100
22	13.8	0.11	105	5	11	2.0	0.5	P5190-ND	.18	.87	5.86	19.85	30.00	26.00/M	ECA-1JM220
33	20.7	0.11	130	6.3	11.2	2.5	0.5	P5191-ND	.19	1.02	7.21	24.89	39.00	34.00/M	ECA-1JM330
47	29.6	0.11	160	6.3	11.2	2.5	0.5	P5192-ND	.21	1.11	7.81	26.98	43.00	37.00/M	ECA-1JM470
100	63.0	0.11	270	8	11.5	3.5	0.6	P5193-ND	.31	1.79	12.75	45.90	71.00	66.00/M	ECA-1JM101
220	138.6	0.11	450	10	16	5.0	0.6	P5194-ND	.45	2.56	18.82	68.09	108.00	104.00/M	ECA-1JM221
330	207.9	0.11	550	10	20	5.0	0.6	P5195-ND	.63	3.64	26.72	96.65	153.00	148.00/M	ECA-1JM331
470	296.1	0.11	750	12.5	20	5.0	0.6	P5196-ND	.92	5.25	39.35	139.92	233.00	224.00/M	ECA-1JM471
1000	630.0	0.11	1100	16	25	7.5	0.8	P5197-ND	1.40	8.31	62.30	221.52	368.00	354.00/M	ECA-1JM102
2200	1386.0	0.13	1400	18	35.5	7.5	0.8	P5198-ND	2.64	15.45	116.58	437.18	758.00	734.00/M	ECA-1JM222
0.47	3.0	0.10	10	5	11	2.0	0.5	P5199-ND	.18	.91	6.11	20.69	32.00	27.00/M	ECA-2AMR47
1.0	3.0	0.10	20	5	11	2.0	0.5	P5305-ND	.18	.91	6.11	20.69	32.00	27.00/M	ECA-2AM010
2.2	3.0	0.10	30	5	11	2.0	0.5	P5306-ND	.19	.91	6.11	20.69	32.00	27.00/M	ECA-2AM2R2
3.3	3.3	0.10	40	5	11	2.0	0.5	P5307-ND	.19	.91	6.11	20.69	32.00	27.00/M	ECA-2AM3R3
4.7	4.7	0.10	50	5	11	2.0	0.5	P5308-ND	.19	.91	6.11	20.69	32.00	27.00/M	ECA-2AM4R7
10	10.0	0.10	70	5	11	2.0	0.5	P5309-ND	.19	.94	6.32	21.42	33.00	28.00/M	ECA-2AM100
22	22.0	0.10	115	6.3	11.2	2.5	0.5	P5310-ND	.21	1.11	7.81	26.98	43.00	37.00/M	ECA-2AM220
33	33.0	0.10	145	8	11.5	3.5	0.6	P5311-ND	.38	1.99	14.03	48.45	77.00	66.00/M	ECA-2AM330
47	47.0	0.10	180	8	11.5	3.5	0.6	P5312-ND	.32	1.89	13.48	48.51	75.00	70.00/M	ECA-2AM470
100	100.0	0.10	350	10	16	5.0	0.6	P5313-ND	.48	2.89	21.22	76.76	122.00	117.00/M	ECA-2AM101
220	220.0	0.10	550	12.5	20	5.0	0.6	P5314-ND	.94	5.46	40.97	145.68	242.00	233.00/M	ECA-2AM221
330	330.0	0.10	700	12.5	25	5.0	0.6	P5315-ND	1.21	6.99	52.45	186.48	310.00	296.00/M	ECA-2AM331
470	470.0	0.10	900	16	25	7.5	0.8	P5316-ND	1.59	9.27	69.94	262.28	455.00	441.00/M	ECA-2AM471
1000	1000.0	0.10	1300	18	35.5	7.5	0.8	P5317-ND	2.91	17.76	134.06	502.73	871.00	845.00/M	ECA-2AM102
1.0	19.6	0.16	36	6.3	11.2	2.5	0.5	P5318-ND	.32	1.37	9.63	33.25	53.00	46.00/M	ECA-2CM010
2.2	31.1	0.16	53	6.3	11.2	2.5	0.5	P5319-ND	.33	1.37	9.63	33.25	53.00	46.00/M	ECA-2CM2R2
3.3	41.6	0.16	66	6.3	11.2	2.5	0.5	P5320-ND	.29	1.23	8.75	31.50	49.00	46.00/M	ECA-2CM3R3
4.7	55.1	0.16	78	6.3	11.2	2.5	0.5	P5321-ND	.31	1.23	8.75	31.50	49.00	46.00/M	ECA-2CM4R7
10	103.0	0.16	105	10	12.5	5.0	0.6	P5322-ND	.42	2.30	16.40	59.04	92.00	85.00/M	ECA-2CM100
22	221.0	0.16	175	10	16	5.0	0.6	P5323-ND	.51	2.56	18.82	68.09	108.00	104.00/M	ECA-2CM220
33	326.0	0.16	235	10	20	5.0	0.6	P5324-ND	.68	3.03	22.25	80.50	128.00	123.00/M	ECA-2CM330
47	461.0	0.16	320	12.5	20	5.0	0.6	P5325-ND	.99	4.81	36.07	128.24	213.00	205.00/M	ECA-2CM470
100	970.0	0.16	515	12.5	25	5.0	0.6	P5326-ND	1.24	6.12	45.90	163.20	271.00	261.00/M	ECA-2CM101
220	2122.0	0.16	830	16	31.5	7.5	0.8	P5327-ND	1.79	9.65	72.86	273.23	474.00	459.00/M	ECA-2CM221
330	3178.0	0.16	1090	18	31.5	7.5	0.8	P5328-ND	3.07	18.53	139.88	524.55	909.00	881.00/M	ECA-2CM331
470	4522.0	0.16	1440	18	40	7.5	0.8	P5329-ND	4.16	24.33	183.60	688.50	1193.00	1157.00/M	ECA-2CM471
1.0	25.0	0.18	34	6.3	11.2	2.5	0.5	P5330-ND	.29	1.23	8.75	31.50	49.00	46.00/M	ECA-2EM010
2.2	43.0	0.18	50	6.3	11.2	2.5	0.5	P5331-ND	.29	1.23	8.75	31.50	49.00	46.00/M	ECA-2EM2R2
3.3	59.5	0.18	72	8	11.5	3.5	0.6	P5332-ND	.36	1.79	12.75	45.90	71.00	66.00/M	ECA-2EM3R3
4.7	80.5	0.18	86	8	11.5	3.5	0.6	P5333-ND	.41	1.79	12.75	45.90	71.00	66.00/M	ECA-2EM4R7
10	160.0	0.18	110	10	16	5.0	0.6	P5334-ND	.51	2.56	18.82	68.09	108.00	104.00/M	ECA-2EM100
22	340.0	0.18	180	10	20	5.0	0.6	P5335-ND	.81	3.36	24.65	89.17	142.00	136.00/M	ECA-2EM220
33	505.0	0.18	250	12.5	20	5.0	0.6	P5336-ND	1.00	4.81	36.07	128.24	213.00	205.00/M	ECA-2EM330
47	715.0	0.18	350	12.5	25	5.0	0.6	P5337-ND	1.21	6.12	45.90	163.20	271.00	261.00/M	ECA-2EM470
100	1510.0	0.18	530	16	31.5	7.5	0.8	P5338-ND	1.91	9.65	72.86	273.23	474.00	459.00/M	ECA-2EM101
220	3310.0	0.18	930	18	40	7.5	0.8	P5339-ND	4.15	24.33	183.60	688.50	1193.00	1157.00/M	ECA-2EM221
1.0	37.0	0.20	37	8	11.5	3.5	0.6	P5340-ND	.44	1.94	13.85	49.86	78.00	72.00/M	ECA-2WM010
2.2	69.4	0.20	44	10	12.5	5.0	0.6	P5341-ND	.52	2.65	18.95	68.22	106.00	99.00/M	ECA-2WM2R2
3.3	99.1	0.20	60	10	16	5.0	0.6	P5342-ND	.59	2.80	20.54	74.29	118.00	114.00/M	ECA-2WM3R3
4.7	136.0	0.20	79	10	20	5.0	0.6	P5343-ND	.85	3.50	25.69	92.91	148.00	142.00/M	ECA-2WM4R7
10	280.0	0.20	130	12.5	20	5.0	0.6	P5344-ND	1.18	5.46	40.97	145.68	242.00	233.00/M	ECA-2WM100
22	604.0	0.20	210	16	25	7.5	0.8	P5345-ND	1.63	8.50	64.12	240.45	417.00	404.00/M	ECA-2WM220
33	901.0	0.20	285	16	31.5	7.5	0.8	P5346-ND	1.95	10.81	81.60	306.00	530.00	514.00/M	ECA-2WM330

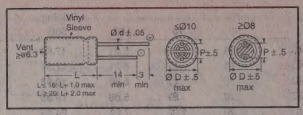
T-ND *Digi-Key' M Series Capacitors Kit* 10 each of values denoted. 170 total pieces. Included notebook style storage case and bin storage guide..... $69.95

Panasonic

NHG Series Radial Lead Aluminum Electrolytic Capacitors

Panasonic NHG Series Cross References:
Nippon Chemicon: KMG; **Nichicon:** VZ;
Elna: RJ4; **Rubycon:** YXA

FEATURES:
- Compact size (same case size with series M)
- Life: 1000 ~ 2000 hours at +105°C



SPECIFICATIONS:

Operating Temperature Range	-55°C ~ 105°C	-25°C ~ 105°C
Rated Working Voltage Range	6.3 to 100VDC	160 to 450VDC
Nominal Capacitance Range	0.1 to 22000 µF	1.0 to 330 µF

Capacitance Tolerance: ±20% (120 Hz, +20°C)

Leakage Current	I ≤ 0.01 CV µA or 3µA, whichever is greater after 2 minutes application of rated working voltage at 20°C.	I ≤ 0.06 CV + 10µA after 2 minutes application of rated working voltage at 20°C.

tan δ: (at 120 Hz, +20°C)

W.V.	6.3	10	16	25	35	50	63	100	160	250	450
tan δ max.	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.15	0.15	0.24

For capacitance value > 1000 µF, add 0.02 per every 1000 µF.

Ripple Current: 120 Hz, 105°C

W.V. (V.DC)	Cap (µF)	Frequency (Hz) 60	120	1k	10K	100k
6.3 ~ 100	~ 33	0.75	1	1.55	1.80	2.00
	47 ~ 470	0.80	1	1.35	1.50	1.50
	1000 ~	0.85	1	1.10	1.15	1.15
160 ~ 450	1.0 ~ 330	0.80	1	1.35	1.50	1.50

Endurance:

Test Conditions		Post Test Requirements at +20°C	
Duration	2000 Hours*	**Leakage Current**	≤ initial specified value
Ambient Temperature	105°C	**Capacitance Change**	±20% of initial measured va
Applied Voltage	Rated DC Working Voltage	**tan δ**	≤ 200% initial specified val

* 1000 Hours for ≤ Ø8mm products.

Shelf Life:

Test Conditions		Post Test Requirements at +20°C	
Duration	1000 Hours	**Leakage Current**	≤ initial specified value
Ambient Temperature	105°C	**Capacitance Change**	±20% of initial measured va
Applied Voltage	—	**tan δ**	≤ 200% initial specified val

WV (VDC)	Cap. µF	D.C.L. (+20°C) (µA) max.	tan δ max.	Ripple Current (mA) rms	Dimensions (mm) øD	L	P	ød	Digi-Key Part No.	1	10	100	Pricing 500	1,000	5,000	Panasonic Part No.
6.3	100	6.3	0.28	91	5	11	2.0	0.5	P5505-ND	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-0JHG10
	220	13.8	0.28	140	5	11	2.0	0.5	P5506-ND	.19	.97	6.82	23.56	37.00	32.00/M	ECA-0JHG22
	330	20.7	0.28	190	6.3	11.2	2.5	0.5	P5507-ND	.30	1.53	10.81	37.34	59.00	51.00/M	ECA-0JHG33
	470	29.6	0.28	230	6.3	11.2	2.5	0.5	P5508-ND	.24	1.38	9.83	35.37	55.00	51.00/M	ECA-0JHG47
	1000	63.0	0.28	380	8	11.5	3.5	0.6	P5509-ND	.38	2.24	16.03	57.69	90.00	83.00/M	ECA-0JHG10
	2200	138.6	0.30	710	10	16	5.0	0.6	P5510-ND	.63	3.54	26.01	94.10	149.00	144.00/M	ECA-0JHG22
	3300	207.9	0.32	840	10	20	5.0	0.6	P5511-ND	.82	4.66	34.24	123.85	197.00	189.00/M	ECA-0JHG33
	4700	296.1	0.34	1090	12.5	20	5.0	0.6	P5512-ND	.99	5.68	42.62	151.52	252.00	242.00/M	ECA-0JHG47
	6800	428.4	0.38	1350	12.5	25	5.0	0.6	P5513-ND	1.27	7.21	54.09	192.32	320.00	308.00/M	ECA-0JHG68
	10000	630.0	0.46	1650	16	25	7.5	0.8	P5514-ND	1.61	9.27	69.94	262.28	455.00	441.00/M	ECA-0JHG10
	15000	945.0	0.56	2010	16	31.5	7.5	0.8	P5515-ND	2.14	12.36	93.26	349.73	606.00	588.00/M	ECA-0JHG15
	22000	1386.0	0.70	2350	18	35.5	7.5	0.8	P5516-ND	3.02	17.38	131.14	491.78	852.00	826.00/M	ECA-0JHG22
10	100	10.0	0.24	110	5	11	2.0	0.5	P5517-ND	.18	.97	6.82	23.56	37.00	32.00/M	ECA-1AHG10
	220	22.0	0.24	170	6.3	11.2	2.5	0.5	P5518-ND	.30	1.53	10.81	37.34	59.00	51.00/M	ECA-1AHG22
	330	33.0	0.24	200	6.3	11.2	2.5	0.5	P5519-ND	.25	1.38	9.83	35.37	55.00	51.00/M	ECA-1AHG33
	470	47.0	0.24	250	8	11.5	3.5	0.6	P5520-ND	.35	2.04	14.58	52.47	82.00	76.00/M	ECA-1AHG47
	1000	100.0	0.24	460	10	12.5	5.0	0.6	P5521-ND	.41	2.80	20.54	74.29	118.00	114.00/M	ECA-1AHG10
	2200	220.0	0.26	760	10	20	5.0	0.6	P5522-ND	.79	4.43	32.52	117.64	187.00	180.00/M	ECA-1AHG22
	3300	330.0	0.28	1000	12.5	20	5.0	0.6	P5523-ND	.96	5.68	42.62	151.52	252.00	242.00/M	ECA-1AHG33
	4700	470.0	0.30	1260	12.5	25	5.0	0.6	P5524-ND	1.30	7.65	57.38	204.00	339.00	326.00/M	ECA-1AHG47
	6800	680.0	0.34	1570	16	25	7.5	0.8	P5525-ND	1.84	10.49	78.68	279.76	465.00	448.00/M	ECA-1AHG68
	10000	1000.0	0.42	1890	16	31.5	7.5	0.8	P5526-ND	2.15	12.36	93.26	349.73	606.00	588.00/M	ECA-1AHG10
	15000	1500.0	0.52	2180	18	35.5	7.5	0.8	P5527-ND	3.02	17.38	131.14	491.78	852.00	826.00/M	ECA-1AHG15
16	47	7.5	0.20	77	5	11	2.0	0.5	P5528-ND	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1CHG47
	100	16.0	0.20	110	5	11	2.0	0.5	P5529-ND	.19	.97	6.82	23.56	37.00	32.00/M	ECA-1CHG10
	220	35.2	0.20	180	6.3	11.2	2.5	0.5	P5530-ND	.25	1.38	9.83	35.37	55.00	51.00/M	ECA-1CHG22
	330	52.8	0.20	260	8	11.5	3.5	0.6	P5531-ND	.37	2.04	14.58	52.47	82.00	76.00/M	ECA-1CHG33
	470	75.2	0.20	310	8	11.5	3.5	0.6	P5532-ND	.40	2.24	16.03	57.69	90.00	83.00/M	ECA-1CHG47
	1000	160.0	0.20	560	10	16	5.0	0.6	P5533-ND	.63	3.54	26.01	94.10	149.00	144.00/M	ECA-1CHG10
	2200	352.0	0.22	920	12.5	20	5.0	0.6	P5534-ND	.99	5.68	42.62	151.52	252.00	242.00/M	ECA-1CHG22
	3300	528.0	0.24	1170	12.5	25	5.0	0.6	P5535-ND	1.35	7.65	57.38	204.00	339.00	326.00/M	ECA-1CHG33
	4700	752.0	0.26	1480	16	25	7.5	0.8	P5536-ND	1.61	9.27	69.94	262.28	455.00	441.00/M	ECA-1CHG47
	6800	1088.0	0.30	1780	16	31.5	7.5	0.8	P5537-ND	2.07	12.36	93.26	349.73	606.00	588.00/M	ECA-1CHG68
	10000	1600.0	0.38	2060	18	35.5	7.5	0.8	P5538-ND	3.02	17.38	131.14	491.78	852.00	826.00/M	ECA-1CHG10
25	47	11.7	0.16	91	5	11	2.0	0.5	P5539-ND	.18	.97	6.82	23.56	37.00	32.00/M	ECA-1EHG47
	100	25.0	0.16	130	6.3	11.2	2.5	0.5	P5540-ND	.28	1.53	10.81	37.34	59.00	51.00/M	ECA-1EHG10
	220	55.0	0.16	230	8	11.5	3.5	0.6	P5541-ND	.35	2.04	14.58	52.47	82.00	76.00/M	ECA-1EHG22
	330	82.5	0.16	310	8	11.5	3.5	0.6	P5542-ND	.42	2.35	16.75	60.30	94.00	87.00/M	ECA-1EHG33
	470	117.5	0.16	380	10	12.5	5.0	0.6	P5543-ND	.49	2.94	21.57	78.03	124.00	119.00/M	ECA-1EHG47
	1000	250.0	0.16	680	10	20	5.0	0.6	P5544-ND	.82	4.66	34.24	123.85	197.00	189.00/M	ECA-1EHG10
	2200	550.0	0.18	1090	12.5	25	5.0	0.6	P5545-ND	1.29	7.65	57.38	204.00	339.00	326.00/M	ECA-1EHG22
	3300	825.0	0.20	1400	16	25	7.5	0.8	P5546-ND	1.65	9.85	74.32	278.70	483.00	468.00/M	ECA-1EHG33
	4700	1175.0	0.22	1750	16	31.5	7.5	0.8	P5547-ND	1.84	12.36	93.26	349.73	606.00	588.00/M	ECA-1EHG47
	6800	1700.0	0.26	2040	18	35.5	7.5	0.8	P5548-ND	3.15	18.15	136.98	513.68	890.00	863.00/M	ECA-1EHG68
35	33	11.5	0.14	75	5	11	2.0	0.5	P5549-ND	.18	.97	6.82	23.56	37.00	32.00/M	ECA-1VHG33
	47	16.4	0.14	90	5	11	2.0	0.5	P5550-ND	.19	.97	6.82	23.56	37.00	32.00/M	ECA-1VHG47
	100	35.0	0.14	150	6.3	11.2	2.5	0.5	P5551-ND	.25	1.38	9.83	35.37	55.00	51.00/M	ECA-1VHG10
	220	77.0	0.14	270	8	11.5	3.5	0.6	P5552-ND	.42	2.35	16.75	60.30	94.00	87.00/M	ECA-1VHG22
	330	115.5	0.14	350	10	12.5	5.0	0.6	P5553-ND	.52	2.94	21.57	78.03	124.00	119.00/M	ECA-1VHG33
	470	164.5	0.14	460	10	16	5.0	0.6	P5554-ND	.56	3.54	26.01	94.10	149.00	144.00/M	ECA-1VHG47
	1000	350.0	0.14	810	12.5	20	5.0	0.6	P5555-ND	1.03	5.90	44.26	157.36	262.00	252.00/M	ECA-1VHG10
	2200	770.0	0.16	1260	16	25	7.5	0.8	P5556-ND	1.71	9.85	74.32	278.70	483.00	468.00/M	ECA-1VHG22
	3300	1155.0	0.18	1610	16	31.5	7.5	0.8	P5557-ND	2.15	12.36	93.26	349.73	606.00	588.00/M	ECA-1VHG33
	4700	1645.0	0.20	1910	18	35.5	7.5	0.8	P5558-ND	3.15	18.15	136.98	513.68	890.00	863.00/M	ECA-1VHG47
50	0.1	3.0	0.12	1.1	5	11	2.0	0.5	P5559-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG0R
	0.22	3.0	0.12	2.3	5	11	2.0	0.5	P5560-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR
	0.33	3.0	0.12	3.5	5	11	2.0	0.5	P5561-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR
	0.47	3.0	0.12	5	5	11	2.0	0.5	P5562-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR
	1.0	3.0	0.12	10	5	11	2.0	0.5	P5563-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG0
	2.2	3.0	0.12	18	5	11	2.0	0.5	P5564-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG2
	3.3	3.0	0.12	22	5	11	2.0	0.5	P5565-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG3
	4.7	3.0	0.12	26	5	11	2.0	0.5	P5566-ND*	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG4
	10	5.0	0.12	39	5	11	2.0	0.5	P5567-ND*	.22	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG1
	22	11.0	0.12	65	5	11	2.0	0.5	P5568-ND*	.18	.97	6.82	23.56	37.00	32.00/M	ECA-1HHG2
	33	16.5	0.12	90	5	11	2.0	0.5	P5569-ND*	.19	.97	6.82	23.56	37.00	32.00/M	ECA-1HHG3
	47	23.5	0.12	110	6.3	11.2	2.5	0.5	P5570-ND*	.29	1.53	10.81	37.34	59.00	51.00/M	ECA-1HHG4
	100	50.0	0.12	180	8	11.5	3.5	0.6	P5571-ND*	.39	2.14	15.30	55.08	86.00	80.00/M	ECA-1HHG1
	220	110.0	0.12	330	10	12.5	5.0	0.6	P5572-ND*	.50	2.94	21.57	78.03	124.00	119.00/M	ECA-1HHG2
	330	165.0	0.12	410	10	16	5.0	0.6	P5573-ND*	.57	3.54	26.01	94.10	149.00	144.00/M	ECA-1HHG3
	470	235.0	0.12	530	10	20	5.0	0.6	P5574-ND*	.70	4.66	34.24	123.85	197.00	189.00/M	ECA-1HHG4
	1000	500.0	0.12	950	12.5	25	5.0	0.6	P5575-ND*	1.19	7.65	57.38	204.00	339.00	326.00/M	ECA-1HHG1
	2200	1100.0	0.14	1470	16	31.5	7.5	0.8	P5576-ND*	1.74	12.36	93.26	349.73	606.00	588.00/M	ECA-1HHG2
	3300	1650.0	0.16	1770	18	35.5	7.5	0.8	P5577-ND	3.04	18.15	136.98	513.68	890.00	863.00/M	ECA-1HHG3

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anasonic NHG Series Radial Lead Aluminum Electrolytic Capacitors (Cont.)

/V DC)	Cap. µF	D.C.L. (±20°C) (µA) max.	tan δ max.	Ripple Current (mA) rms	Dimensions (mm) øD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	500	1,000	5,000	Panasonic Part No.
	10	6.3	0.10	46	5	11	2.0	0.5	P5578-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1JHG100
	22	13.8	0.10	71	5	11	2.0	0.5	P5579-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1JHG220
	33	20.7	0.10	100	6.3	11.2	2.5	0.5	P5580-ND	.31	1.59	11.22	38.76	61.00	53.00/M	ECA-1JHG330
	47	29.6	0.10	120	6.3	11.2	2.5	0.5	P5581-ND	.25	1.43	10.20	36.72	57.00	53.00/M	ECA-1JHG470
33	100	63.0	0.10	215	10	12.5	5.0	0.6	P5582-ND	.48	3.21	22.95	82.62	129.00	119.00/M	ECA-1JHG101
	220	138.6	0.10	335	10	16	5.0	0.6	P5583-ND	.69	3.87	28.41	102.77	163.00	157.00/M	ECA-1JHG221
	330	207.9	0.10	510	10	20	5.0	0.6	P5584-ND	.91	5.13	37.67	136.26	216.00	208.00/M	ECA-1JHG331
	470	296.1	0.10	640	12.5	20	5.0	0.6	P5585-ND	1.15	6.56	49.19	174.88	291.00	280.00/M	ECA-1JHG471
	1000	630.0	0.10	930	16	25	7.5	0.8	P5586-ND	1.78	10.23	77.22	289.58	502.00	486.00/M	ECA-1JHG102
	2200	1386.0	0.12	1610	18	35.5	7.5	0.8	P5587-ND	3.49	20.08	151.54	568.28	985.00	955.00/M	ECA-1JHG222
	0.47	3.0	0.08	9	5	11	2.0	0.5	P5588-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHGR47
	1.0	3.0	0.08	14	5	11	2.0	0.5	P5589-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG010
	2.2	3.0	0.08	21	5	11	2.0	0.5	P5590-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG2R2
	3.3	3.3	0.08	31	5	11	2.0	0.5	P5591-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG3R3
	4.7	4.7	0.08	38	5	11	2.0	0.5	P5592-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG4R7
	10	10.0	0.08	54	6.3	11.2	2.5	0.5	P5593-ND	.30	1.59	11.22	38.76	61.00	53.00/M	ECA-2AHG100
00	22	22.0	0.08	93	6.3	11.2	2.5	0.5	P5594-ND	.25	1.43	10.20	36.72	57.00	53.00/M	ECA-2AHG220
	33	33.0	0.08	130	8	11.5	3.5	0.6	P5595-ND	.44	2.45	17.48	62.91	98.00	91.00/M	ECA-2AHG330
	47	47.0	0.08	165	10	12.5	5.0	0.6	P5596-ND	.53	2.96	21.13	76.05	118.00	110.00/M	ECA-2AHG470
	100	100.0	0.08	265	10	20	5.0	0.6	P5597-ND	.91	5.13	37.67	136.26	216.00	208.00/M	ECA-2AHG101
	220	220.0	0.08	440	12.5	25	5.0	0.6	P5598-ND	1.36	7.78	58.37	207.52	345.00	332.00/M	ECA-2AHG221
	330	330.0	0.08	540	16	25	7.5	0.8	P5599-ND	1.92	10.93	81.97	291.44	485.00	466.00/M	ECA-2AHG331
	470	470.0	0.08	715	16	25	7.5	0.8	P5850-ND	2.02	11.58	87.42	327.83	568.00	551.00/M	ECA-2AHG471
	1000	1000.0	0.08	985	18	35.5	7.5	0.8	P5851-ND	3.49	20.08	151.54	568.28	985.00	955.00/M	ECA-2AHG102
	1.0	19.6	0.15	17	6.3	11.2	2.5	0.5	P5852-ND	.34	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG010
	2.2	31.1	0.15	25	6.3	11.2	2.5	0.5	P5853-ND	.38	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG2R2
	3.3	41.6	0.15	36	6.3	11.2	2.5	0.5	P5854-ND	.41	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG3R3
	4.7	55.1	0.15	43	6.3	11.2	2.5	0.5	P5855-ND	.45	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG4R7
	10	106.0	0.15	70	10	12.5	5.0	0.6	P5856-ND	.53	2.70	19.86	71.83	114.00	110.00/M	ECA-2CHG100
50	22	221.0	0.15	130	10	20	5.0	0.6	P5857-ND	.71	3.64	26.72	96.65	153.00	148.00/M	ECA-2CHG220
	33	326.0	0.15	180	10	20	5.0	0.6	P5858-ND	.82	3.41	25.58	90.96	151.00	146.00/M	ECA-2CHG330
	47	461.0	0.15	220	12.5	20	5.0	0.6	P5859-ND	1.02	4.81	36.07	128.24	213.00	205.00/M	ECA-2CHG470
	100	970.0	0.15	335	16	25	7.5	0.8	P5860-ND	1.50	7.87	59.02	209.84	349.00	336.00/M	ECA-2CHG101
	220	2122.0	0.15	540	16	31.5	7.5	0.8	P5861-ND	2.26	10.81	81.60	306.00	530.00	514.00/M	ECA-2CHG221
	330	3178.0	0.15	705	18	31.5	7.5	0.8	P5862-ND	3.26	19.31	145.72	546.45	947.00	918.00/M	ECA-2CHG331
	1.0	25.0	0.15	17	6.3	11.2	2.5	0.5	P5863-ND	.40	1.53	10.93	39.33	61.00	57.00/M	ECA-2EHG010
	2.2	43.0	0.15	29	6.3	11.2	2.5	0.5	P5864-ND	.42	1.53	10.93	39.33	61.00	57.00/M	ECA-2EHG2R2
	3.3	59.5	0.15	42	8	11.5	3.5	0.6	P5865-ND	.45	1.87	13.70	49.56	79.00	76.00/M	ECA-2EHG3R3
	4.7	80.5	0.15	50	8	11.5	3.5	0.6	P5866-ND	.52	2.10	15.42	55.76	89.00	85.00/M	ECA-2EHG4R7
50	10	160.0	0.15	88	10	16	5.0	0.6	P5867-ND	.78	3.54	26.01	94.10	149.00	144.00/M	ECA-2EHG100
	22	340.0	0.15	155	12.5	20	5.0	0.6	P5868-ND	.94	5.03	37.71	134.08	223.00	215.00/M	ECA-2EHG220
	33	505.0	0.15	190	12.5	20	5.0	0.6	P5869-ND	1.12	5.46	40.97	145.68	242.00	233.00/M	ECA-2EHG330
	47	715.0	0.15	230	12.5	25	5.0	0.6	P5870-ND	1.45	6.99	52.45	186.48	310.00	298.00/M	ECA-2EHG470
	100	1510.0	0.15	365	16	31.5	7.5	0.8	P5871-ND	2.22	10.81	81.60	306.00	530.00	514.00/M	ECA-2EHG101
	1.0	37.0	0.20	18	8	11.5	3.5	0.6	P5872-ND	.56	2.33	17.13	61.97	98.00	95.00/M	ECA-2WHG010
	2.2	69.4	0.20	29	10	12.5	5.0	0.6	P5873-ND	.60	2.80	20.54	74.29	118.00	114.00/M	ECA-2WHG2R2
	3.3	99.1	0.20	41	10	16	5.0	0.6	P5874-ND	.84	3.64	26.72	96.65	153.00	148.00/M	ECA-2WHG3R3
0	4.7	136.0	0.20	49	10	20	5.0	0.6	P5875-ND	.88	3.72	27.88	99.12	165.00	159.00/M	ECA-2WHG4R7
	10	280.0	0.20	75	12.5	20	5.0	0.6	P5876-ND	1.50	6.56	49.19	174.88	291.00	280.00/M	ECA-2WHG100
	22	604.0	0.20	115	16	25	7.5	0.8	P5877-ND	2.00	9.27	69.94	262.28	455.00	441.00/M	ECA-2WHG220
	33	901.0	0.20	155	16	31.5	7.5	0.8	P5878-ND	2.45	11.58	87.42	327.83	568.00	551.00/M	ECA-2WHG330

G-KIT-ND *Digi-Key® NHG Series Capacitors Kit* 10 each of values denoted. 180 total pieces. Included notebook style storage case and bin storage guide $69.95

F

anasonic® Z Series Miniature Aluminum Electrolytic Capacitors

±20%, Low Leakage, Low Impedance

FICATIONS:

rating Temperature: -40°C ~ +85°C • **Rated Working Voltage:** 6.3 ~ 50VDC
d Capacitance: 0.1 ~ 2200µF • **Capacitance Tolerance:** ±20% • **Leakage nt:** I = 0.002CV + 1 (mA) max.; Where, I:-DC leakage current (µA) C:-rated itance (µF), V:-DC rated working voltage (V). Leakage current is measured -minute application of the rated DC working voltage. • **Surge Voltage:** The surge voltage is applied to the capacitor in series with 1,000 ohms resistor cycle of 0.5 minute "ON" and inute "OFF" repeating 1,000 at 25°C ±10°C. After the he capacitor should meet the ng limits:

Working Voltage	Surge Voltage
10VDC	13VDC

• **tan δ (Dissipation Factor) Max.**

Working Voltage	tan δ	D.F.
10VDC	0.17	17

0.06 for 1µF or less.

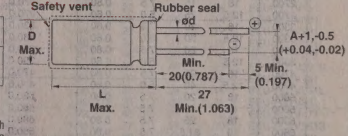
• **Low Temperature Stability:** Maximum impedance ratio against +20°C at 120Hz

Working Voltage	-25°C ~ +20°C	-40°C ~ +20°C
10V	2	4

• **Load Life:** After 2,000 hour application of DC working voltage at +85°C with specified RMS ripple current, the measurements should meet the following requirements:

citance change	Within ±10% of the initial measured value
	Less than 150% of the initial specified value
eakage current	Less than the initial specified value

Capacitance change	Within ±20% of the initial measured value
tan δ	Less than 200% of the initial specified value
DC leakage current	Less than the initial specified value



PANASONIC Z CROSS REFERENCES
IC: RLR
Sprague: 30D
UCC: SX

Not recommended for new designs.

Rating V	Cap. µF	Dimensions mm (inch) D	L	A	d	Max. RMS Ripple Current (mA) @ 120 Hz, 85°C	Max. Leakage Current µA	Digi-Key Part No.	Price Each 1	10	100	1,000	Panasonic Part No.
	2200	16.0 (.630)	31.5 (1.299)	7.5 (.295)	0.8 (.032)	850	45.0	P6614-ND	1.43	1.08	.81	.48	ECE-A10Z2200

FEATURES:
• Low impedance • Long life: 1000 ~ 5000 hours at 105°C

SPECIFICATIONS:
• **Operating Temperature Range:** -55 ~ 105°C • **Rated Working Voltage Range:** 6.3 to 100VDC • **Nominal Capacitance Range:** 1.0 ~ 15000µF • **Capacitance Tolerance:** ±20% (120Hz, 20°C) • **Leakage Current:** I ≤ 0.01CV or 3 (µA) whichever is greater measured after 2 minutes application of rated working voltage at 20°C

• **tan δ:** (120Hz, 20°C)

Working Volt. (V)	6.3	10	16	25	35	50	63	100
tan δ Maximum	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07

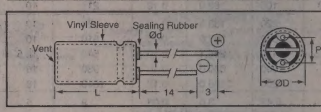
For capacitance value > 1000µF, add 0.02 per every 1000µF.

• **Impedance at High Frequency:** Refer to standard product table (100kHz, 20°C) • **Ripple Current:** Refer to standard product table (100kHz, 105°C)

Endurance:
Test Conditions — Duration: 1000 hours (for Ø4 ~ Ø6.3mm), 2000 hours (for Ø8mm), 3000 hours (for Ø10mm), 5000 hours (for Ø12.5mm ~ 18mm) • **Ambient Temperature:** 105°C ±2°C • **Applied Voltage:** DC voltage with maximum permissible ripple current specified at 105°C (the sum of the DC voltage and super-imposed peak AC voltage for maximum permissible ripple current should be equal to rated DC working voltage.)
Post Test Requirements at 20°C — Leakage Current: ≤ Initial specified value • **Capacitance change:** ±20% of initial measured value • **tan δ:** ≤ 200% of initial specified value
Shelf Life:
Test Conditions — Duration: 1000 hours • **Ambient Temperature:** 105°C ±2°C • **Applied Voltage:** (none)
Post Test Requirements at 20°C — Leakage Current: ≤ Initial specified value • **Capacitance change:** ±20% of initial measured value • **tan δ:** ≤ 200% of initial specified value
• **Body Color:** Black Blue • **Marking Color:** Gold

Frequency Correction Factor for Ripple Current

W.V. (V DC)	Cap. (µF) \ Frequency (Hz)	60	120	1K	10K
6.3 ~ 100	1.0 ~ 330	0.55	0.65	0.85	0.90
	390 ~ 1000	0.70	0.75	0.90	0.95
	1200 ~ 2200	0.75	0.80	0.90	0.95
	2700 ~ 15000	0.80	0.85	0.95	1.00



W.V. (V)	Cap. (µF)	Dimensions (mm) ØD	L	P	Ød	Leakage Current (20°C) (2 Min.) (µA) Maximum	Impedance (100kHz) (20°C) (Ω) Maximum	Ripple Current (105°C) (mA) rms Maximum	Life Time (hours)	Digi-Key Part No.	Price Each 1	10	100	1,000	Panasonic Part No.
	68	4	11	1.5	0.45	4.28	1.30	120	1000	P12700-ND	.28	.19	.14	.08	EEU-FC0J680
	100	5	11	2.0	0.50	6.3	0.80	175	1000	P10195-ND	.34	.14	.10	.06	EEU-FC0J101
	150	5	15	2.0	0.50	9.4	0.50	235	1000	P10196-ND	.30	.21	.15	.08	EEU-FC0J151
	220	6.3	11.2	2.0	0.50	13.86	0.350	290	1000	P12701-ND	.34	.17	.13	.07	EEU-FC0J221
	330	6.3	11.2	2.5	0.50	20.7	0.35	290	1000	P10197-ND	.28	.16	.11	.07	EEU-FC0J331S
	330	6.3	15	2.5	0.50	20.79	0.250	400	1000	P12702-ND	.39	.25	.18	.10	EEU-FC0J331
	390	8	11.5	3.5	0.60	24.57	0.117	555	2000	P12703-ND	.48	.25	.18	.10	EEU-FC0J391
	470	8	11.5	3.5	0.60	29.61	0.117	555	2000	P12704-ND	.48	.25	.18	.10	EEU-FC0J471
	560	8	11.5	3.5	0.60	35.28	0.117	555	2000	P12705-ND	.48	.25	.18	.10	EEU-FC0J561
	820	10	12.5	5.0	0.60	51.66	0.090	755	3000	P12706-ND	.63	.35	.25	.14	EEU-FC0J821
	820	8	15	3.5	0.60	51.6	0.085	730	2000	P10198-ND	.48	.28	.21	.12	EEU-FC0J821L
	1000	10	12.5	5.0	0.60	63.0	0.090	755	3000	P10199-ND	.47	.28	.21	.12	EEU-FC0J102
	1200	10	16	5.0	0.60	75.6	0.068	1050	3000	P10201-ND	.61	.38	.28	.16	EEU-FC0J122
	1200	8	20	3.5	0.60	75.6	0.065	995	2000	P10200-ND	.53	.33	.24	.14	EEU-FC0J122L
	1500	12.5	15	5.0	0.60	94.5	0.065	1205	5000	P10203-ND	.80	.55	.40	.23	EEU-FC0J152S
	1500	10	20	5.0	0.60	94.5	0.052	1220	3000	P10202-ND	.73	.45	.33	.19	EEU-FC0J152
	1800	10	25	5.0	0.60	113.4	0.045	1440	3000	P12707-ND	1.07	.62	.44	.24	EEU-FC0J182
	2200	16	15	7.5	0.80	138.6	0.043	1690	5000	P10205-ND	1.05	.73	.55	.32	EEU-FC0J222S
	2200	10	25	5.0	0.60	138.6	0.045	1440	3000	P10204-ND	.80	.51	.37	.22	EEU-FC0J222
6.3	2700	16	15	7.5	0.80	170.1	0.043	1690	5000	P11175-ND	1.51	.94	.67	.37	EEU-FC0J272S
	2700	12.5	20	5.0	0.60	170.1	0.038	1655	5000	P12709-ND	1.30	.77	.55	.30	EEU-FC0J272
	2700	10	30	5.0	0.60	170.1	0.035	1815	3000	P12708-ND	1.20	.76	.54	.30	EEU-FC0J272L
	3300	18	15	7.5	0.80	207.9	0.038	2000	5000	P10207-ND	1.39	.98	.74	.44	EEU-FC0J332S
	3300	12.5	20	5.0	0.60	207.9	0.038	1655	5000	P10206-ND	.90	.59	.45	.27	EEU-FC0J332
	3900	12.5	25	5.0	0.60	245.7	0.030	1945	5000	P10208-ND	1.24	.75	.56	.33	EEU-FC0J392
	4700	16	20	7.5	0.80	296.1	0.029	2205	5000	P10210-ND	1.41	.92	.69	.41	EEU-FC0J472S
	4700	12.5	30	5.0	0.60	296.1	0.025	2310	5000	P10209-ND	1.26	.77	.58	.34	EEU-FC0J472
	5600	16	20	7.5	0.80	352.8	0.029	2205	5000	P11176-ND	2.03	1.20	.85	.46	EEU-FC0J562
	5600	12.5	35	5.0	0.80	352.8	0.022	2510	5000	P10211-ND	1.39	1.00	.75	.45	EEU-FC0J562L
	6800	18	20	7.5	0.80	428.4	0.028	2490	5000	P10214-ND	1.61	1.11	.84	.54	EEU-FC0J682S
	6800	16	25	7.5	0.80	428.4	0.022	2555	5000	P10213-ND	1.66	1.10	.82	.49	EEU-FC0J682
	6800	12.5	40	5.0	0.80	428.4	0.018	2655	5000	P10212-ND	1.59	1.15	.86	.51	EEU-FC0J682L
	8200	16	31.5	7.5	0.80	516.6	0.018	3010	5000	P11177-ND	3.23	1.82	1.29	.70	EEU-FC0J822
	10000	18	25	7.5	0.80	630.0	0.020	2740	5000	P10216-ND	2.04	1.39	1.05	.69	EEU-FC0J103S
	10000	16	35.5	7.5	0.80	630.0	0.016	3150	5000	P10215-ND	1.99	1.42	1.07	.70	EEU-FC0J103
	12000	18	31.5	7.5	0.80	756.0	0.016	3635	5000	P11178-ND	3.71	2.37	1.67	.91	EEU-FC0J123
	12000	16	40	7.5	0.80	756.0	0.015	3360	5000	P11179-ND	3.76	2.30	1.62	.89	EEU-FC0J123L
	15000	18	35.5	7.5	0.80	945.0	0.015	3680	5000	P10217-ND	2.71	1.74	1.32	.86	EEU-FC0J153
	47	4	11	1.5	0.45	4.7	1.30	120	1000	P11180-ND	.28	.19	.14	.08	EEU-FC1A470
	82	5	11	2.0	0.50	8.2	0.80	175	1000	P10218-ND	.34	.14	.10	.06	EEU-FC1A820
	100	5	11	2.0	0.50	10.0	0.80	175	1000	P11181-ND	.34	.14	.10	.06	EEU-FC1A101S
	100	5	15	2.0	0.50	10.0	0.50	235	1000	P10219-ND	.30	.21	.15	.08	EEU-FC1A101
	180	6.3	11.2	2.5	0.50	18.0	0.35	290	1000	P11182-ND	.34	.17	.13	.07	EEU-FC1A181
	220	6.3	11.2	2.5	0.50	22.0	0.35	290	1000	P10220-ND	.28	.16	.11	.07	EEU-FC1A221S
	220	6.3	15	2.5	0.50	22.0	0.25	400	1000	P11183-ND	.39	.26	.18	.10	EEU-FC1A221
	330	8	11.5	3.5	0.60	33.0	0.117	555	2000	P11184-ND	.48	.25	.18	.10	EEU-FC1A331
	390	8	11.5	3.5	0.60	39.0	0.117	555	2000	P11185-ND	.48	.25	.18	.10	EEU-FC1A391
	470	8	11.5	3.5	0.60	47.0	0.117	555	2000	P10221-ND	.40	.22	.16	.09	EEU-FC1A471
	560	10	12.5	5.0	0.60	56.0	0.09	755	3000	P11186-ND	.63	.35	.25	.14	EEU-FC1A561
	680	10	12.5	5.0	0.60	68.0	0.090	755	3000	P10223-ND	.45	.28	.21	.12	EEU-FC1A681
	680	8	15	3.5	0.60	68.0	0.085	730	2000	P10222-ND	.48	.28	.21	.12	EEU-FC1A681L
	820	10	16	5.0	0.60	82.0	0.068	1050	3000	P11187-ND	.81	.46	.33	.18	EEU-FC1A821
	1000	10	16	5.0	0.60	100.0	0.068	1050	3000	P10225-ND	.59	.38	.28	.16	EEU-FC1A102
	1000	8	20	3.5	0.60	100.0	0.065	995	2000	P10224-ND	.53	.33	.24	.14	EEU-FC1A102L
	1200	12.5	15	5.0	0.60	120.0	0.065	1205	5000	P10227-ND	.80	.55	.40	.23	EEU-FC1A122S
	1200	10	20	5.0	0.60	120.0	0.052	1220	3000	P10226-ND	.72	.45	.33	.19	EEU-FC1A122
	1500	10	25	5.0	0.60	150.0	0.045	1440	3000	P10228-ND	.80	.51	.37	.22	EEU-FC1A152
10	1800	16	15	7.5	0.80	180.0	0.043	1690	5000	P10229-ND	1.05	.73	.55	.32	EEU-FC1A182S
	1800	12.5	20	5.0	0.60	180.0	0.038	1655	5000	P11188-ND	1.30	.77	.55	.30	EEU-FC1A182
	2200	12.5	25	5.0	0.60	220.0	0.038	1655	5000	P10230-ND	.90	.59	.45	.27	EEU-FC1A222
	2200	10	30	5.0	0.60	220.0	0.035	1815	3000	P11189-ND	1.20	.76	.54	.30	EEU-FC1A222L
	2700	18	15	7.5	0.80	270.0	0.038	2000	5000	P10232-ND	1.39	.98	.74	.44	EEU-FC1A272S
	2700	12.5	25	5.0	0.60	270.0	0.030	1945	5000	P10231-ND	1.20	.75	.56	.33	EEU-FC1A272
	3300	16	20	7.5	0.80	330.0	0.029	2205	5000	P10234-ND	1.41	.92	.69	.41	EEU-FC1A332S
	3300	12.5	30	5.0	0.80	330.0	0.025	2310	5000	P10233-ND	1.26	.77	.58	.34	EEU-FC1A332
	3900	16	20	7.5	0.80	390.0	0.029	2205	5000	P11190-ND	2.13	1.20	.85	.46	EEU-FC1A392S
	3900	12.5	35	5.0	0.80	390.0	0.022	2510	5000	P10235-ND	1.39	1.00	.75	.45	EEU-FC1A392L
	4700	16	25	7.5	0.80	470.0	0.022	2555	5000	P10237-ND	1.81	1.10	.82	.49	EEU-FC1A472
	4700	12.5	40	5.0	0.80	470.0	0.018	2655	5000	P10236-ND	1.53	1.15	.86	.51	EEU-FC1A472L
	5600	18	20	7.5	0.80	560.0	0.028	2490	5000	P10238-ND	1.61	1.11	.84	.54	EEU-FC1A562S
	5600	16	25	7.5	0.80	560.0	0.022	2555	5000	P11191-ND	2.60	1.43	1.01	.55	EEU-FC1A562
	6800	18	25	7.5	0.80	680.0	0.020	2740	5000	P10240-ND	1.97	1.39	1.05	.69	EEU-FC1A682S
	6800	16	31.5	7.5	0.80	680.0	0.018	3010	5000	P10239-ND	1.97	1.24	.94	.61	EEU-FC1A682
	8200	18	31.5	7.5	0.80	820.0	0.016	3635	5000	P11193-ND	3.71	2.37	1.67	.91	EEU-FC1A822
	8200	16	35.5	7.5	0.80	820.0	0.016	3150	5000	P11192-ND	3.27	2.09	1.47	.81	EEU-FC1A822L
	10000	18	35.5	7.5	0.80	1000.0	0.015	3680	5000	P10241-ND	2.71	1.74	1.32	.86	EEU-FC1A103
	12000	18	40	7.5	0.80	1200.0	0.014	3735	5000	P11194-ND	4.77	3.02	2.13	1.16	EEU-FC1A123
	39	4	11	1.5	0.45	6.24	1.30	120	1000	P11195-ND	.28	.19	.14	.08	EEU-FC1C390
	47	5	11	2.0	0.50	7.52	0.80	175	1000	P11196-ND	.34	.14	.10	.06	EEU-FC1C470
	56	5	11	2.0	0.50	8.96	0.80	175	1000	P11197-ND	.34	.14	.10	.06	EEU-FC1C560
	68	5	11	2.0	0.50	10.8	0.80	175	1000	P10242-ND	.34	.14	.10	.06	EEU-FC1C680
	82	5	15	2.0	0.50	13.1	0.50	235	1000	P10243-ND	.30	.21	.15	.08	EEU-FC1C820
	100	6.3	11.2	2.5	0.50	16.0	0.35	290	1000	P11198-ND	.34	.17	.13	.07	EEU-FC1C101
16	120	6.3	11.2	2.5	0.50	19.2	0.35	290	1000	P10244-ND	.28	.16	.11	.07	EEU-FC1C121
	180	6.3	15	2.5	0.50	28.8	0.25	400	1000	P10245-ND	.32	.23	.17	.10	EEU-FC1C181
	220	8	11.5	3.5	0.60	35.2	0.117	555	2000	P11199-ND	.48	.25	.18	.10	EEU-FC1C221
	270	8	11.5	3.5	0.60	43.2	0.117	555	2000	P11200-ND	.46	.25	.18	.10	EEU-FC1C271
	330	8	11.5	3.5	0.60	52.8	0.117	555	2000	P10246-ND	.40	.22	.16	.09	EEU-FC1C331
	390	10	12.5	5.0	0.60	62.4	0.09	755	3000	P11201-ND	.63	.35	.25	.14	EEU-FC1C391

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V.	Cap. (µF)	Dimensions (mm) ØD	L	P	Ød	Leakage Current (20°C) (2 Min.) (µA) Maximum	Impedance (100kHz) (20°C) (Ω) Maximum	Ripple Current (105°C) (mA) rms Maximum	Life Time (hours)	Digi-Key Part No.	Price Each 1	10	100	1,000	Panasonic Part No.
	470	10	12.5	5.0	0.60	75.2	0.090	755	3000	P10248-ND	.47	.28	.21	.12	EEU-FC1C471
	470	8	15	3.5	0.60	75.2	0.085	730	2000	P10247-ND	.47	.28	.21	.12	EEU-FC1C471L
	560	10	16	5.0	0.60	89.6	0.068	1050	3000	P11202-ND	.81	.46	.33	.18	EEU-FC1C561
	680	10	16	5.0	0.60	108.8	0.068	1050	3000	P10250-ND	.51	.38	.28	.16	EEU-FC1C681
	680	8	20	3.5	0.60	108.8	0.065	995	2000	P10249-ND	.56	.33	.24	.14	EEU-FC1C681L
	820	12.5	15	5.0	0.60	131.2	0.065	1205	5000	P10252-ND	.80	.55	.40	.23	EEU-FC1C821S
	820	10	20	5.0	0.60	131.2	0.052	1220	3000	P10251-ND	.74	.45	.33	.19	EEU-FC1C821
	1000	10	20	5.0	0.60	160.0	0.052	1220	3000	P11203-ND	1.03	.55	.39	.21	EEU-FC1C102S
	1000	10	25	5.0	0.60	160.0	0.045	1440	3000	P10253-ND	.77	.51	.37	.22	EEU-FC1C102
	1200	16	15	7.5	0.80	192.0	0.043	1690	5000	P11205-ND	1.51	.94	.67	.37	EEU-FC1C122S
	1200	10	25	5.0	0.60	192.0	0.045	1440	3000	P11204-ND	1.07	.62	.44	.24	EEU-FC1C122
	1500	16	15	7.5	0.80	240.0	0.043	1690	5000	P11206-ND	1.56	.94	.67	.37	EEU-FC1C152S
	1500	12.5	20	5.0	0.60	240.0	0.038	1655	5000	P10254-ND	.90	.59	.45	.27	EEU-FC1C152
	1500	10.0	30	5.0	0.60	240.0	0.035	1815	3000	P10255-ND	.90	.62	.46	.27	EEU-FC1C152L
	1800	18	15	7.5	0.80	288.0	0.038	2000	5000	P10256-ND	1.39	.98	.74	.44	EEU-FC1C182S
	1800	12.5	25	5.0	0.60	288.0	0.03	1945	5000	P11207-ND	1.78	.97	.69	.38	EEU-FC1C182
	2200	16	20	7.5	0.80	352.0	0.029	2205	5000	P10258-ND	1.41	.92	.69	.41	EEU-FC1C222S
	2200	12.5	25	5.0	0.60	352.0	0.030	1945	5000	P10257-ND	1.14	.75	.56	.33	EEU-FC1C222
	2700	16	20	7.5	0.80	432.0	0.029	2205	5000	P11208-ND	2.03	1.20	.85	.46	EEU-FC1C272
	2700	12.5	30	5.0	0.80	432.0	0.025	2310	5000	P10259-ND	1.26	.77	.58	.34	EEU-FC1C272L
	3300	18	20	7.5	0.80	528.0	0.028	2490	5000	P10261-ND	1.61	1.11	.84	.54	EEU-FC1C332S
	3300	12.5	35	5.0	0.80	528.0	0.022	2510	5000	P10260-ND	1.35	1.00	.75	.45	EEU-FC1C332
	3900	18	20	7.5	0.80	624.0	0.028	2490	5000	P11209-ND	2.65	1.62	1.15	.63	EEU-FC1C392S
	3900	16	25	7.5	0.80	624.0	0.022	2555	5000	P10262-ND	1.60	1.10	.82	.49	EEU-FC1C392
	4700	18	25	7.5	0.80	752.0	0.020	2740	5000	P10264-ND	1.97	1.39	1.05	.69	EEU-FC1C472S
	4700	16	31.5	7.5	0.80	752.0	0.018	3010	5000	P10263-ND	1.97	1.24	.94	.61	EEU-FC1C472
	5600	18	31.5	7.5	0.80	896.0	0.016	3635	5000	P11210-ND	3.71	2.37	1.67	.91	EEU-FC1C562
	5600	16	35.5	7.5	0.80	896.0	0.016	3150	5000	P10265-ND	1.87	1.42	1.07	.70	EEU-FC1C562L
	6800	16	40	7.5	0.80	1088.0	0.015	3360	5000	P11211-ND	3.65	2.30	1.62	.89	EEU-FC1C682
	8200	18	35.5	7.5	0.80	1312.0	0.015	3680	5000	P10266-ND	2.71	1.74	1.32	.86	EEU-FC1C822
	10	4	7	1.5	0.45	2.5	2	65	1000	P11212-ND	.30	.13	.09	.05	EEA-FC1E100
	22	5	7	2	0.45	5.5	0.95	120	1000	P11213-ND	.32	.14	.10	.06	EEA-FC1E220
	27	4	11	1.5	0.45	6.75	1.3	120	1000	P11214-ND	.28	.19	.14	.08	EEA-FC1E270
	39	5	11	2	0.50	9.75	0.80	175	1000	P11215-ND	.28	.19	.14	.08	EEU-FC1E390
	47	5	11	2.0	0.50	11.7	0.80	175	1000	P10267-ND	.28	.19	.14	.08	EEU-FC1E470
	56	5	15	2.0	0.50	14.0	0.50	235	1000	P10268-ND	.30	.21	.15	.08	EEU-FC1E560
	82	6.3	11.2	2.5	0.50	20.5	0.35	290	1000	P11216-ND	.33	.17	.13	.07	EEU-FC1E820
	100	6.3	11.2	2.5	0.50	25.0	0.35	290	1000	P10269-ND	.23	.16	.11	.07	EEU-FC1E101S
	120	6.3	15	2.5	0.50	30.0	0.25	400	1000	P10270-ND	.32	.23	.17	.10	EEU-FC1E121
	180	8	11.5	3.5	0.60	45.0	0.117	555	2000	P11217-ND	.48	.25	.18	.10	EEU-FC1E181
	220	8	11.5	3.5	0.60	55.0	0.117	555	2000	P10271-ND	.38	.22	.16	.09	EEU-FC1E221
	270	10	12.5	5	0.60	67.5	0.09	755	3000	P11218-ND	.63	.35	.25	.14	EEU-FC1E271
	330	10	12.5	5.0	0.60	82.5	0.090	755	3000	P10273-ND	.44	.28	.21	.12	EEU-FC1E331
	330	8	15	3.5	0.60	82.5	0.085	730	2000	P10272-ND	.47	.28	.21	.12	EEU-FC1E331L
	390	10	16	5	0.60	97.5	0.068	1050	3000	P11219-ND	.81	.46	.33	.18	EEU-FC1E391
	470	10	16	5.0	0.60	117.5	0.068	1050	3000	P10274-ND	.57	.38	.28	.16	EEU-FC1E471
	470	8	20	3.5	0.60	117.5	0.065	995	2000	P10276-ND	.53	.33	.24	.14	EEU-FC1E471L
	560	12.5	15	5.0	0.60	140.0	0.065	1205	5000	P10275-ND	.80	.55	.40	.23	EEU-FC1E561S
	560	10	20	5	0.60	140.0	0.052	1220	3000	P11220-ND	.93	.55	.39	.21	EEU-FC1E561
	680	10	20	5.0	0.60	170.0	0.052	1220	3000	P10277-ND	.72	.45	.33	.19	EEU-FC1E681
	820	12.5	20	5	0.60	205.0	0.038	1655	5000	P11222-ND	1.30	.77	.55	.30	EEU-FC1E821S
	820	10	25	5	0.60	205.0	0.045	1440	3000	P11221-ND	1.07	.62	.44	.24	EEU-FC1E821
	1000	16	15	7.5	0.80	250.0	0.043	1690	5000	P10279-ND	1.05	.73	.55	.32	EEU-FC1E102S
	1000	12.5	20	5.0	0.60	250.0	0.038	1655	5000	P10278-ND	.87	.59	.45	.27	EEU-FC1E102
	1000	10	30	5	0.60	250.0	0.035	1815	3000	P11223-ND	1.20	.76	.54	.30	EEU-FC1E102L
	1200	18	15	7.5	0.80	300.0	0.038	2000	5000	P10280-ND	1.39	.98	.74	.44	EEU-FC1E122S
	1200	12.5	25	5	0.60	300.0	0.03	1945	5000	P11224-ND	1.78	.97	.69	.38	EEU-FC1E122
	1500	16	20	7.5	0.80	375.0	0.029	2205	5000	P10282-ND	1.41	.92	.69	.41	EEU-FC1E152S
	1500	12.5	25	5.0	0.60	375.0	0.030	1945	5000	P10281-ND	1.24	.75	.56	.33	EEU-FC1E152
	1800	16	20	7.5	0.80	450.0	0.029	2205	5000	P11225-ND	2.03	1.20	.85	.46	EEU-FC1E182
	1800	12.5	30	5.0	0.80	450.0	0.025	2310	5000	P10283-ND	1.26	.77	.58	.34	EEU-FC1E182L
	2200	18	20	7.5	0.80	550.0	0.028	2490	5000	P10285-ND	1.61	1.11	.84	.54	EEU-FC1E222S
	2200	12.5	35	5.0	0.80	550.0	0.022	2510	5000	P10284-ND	1.35	1.00	.75	.45	EEU-FC1E222
	2700	16	25	7.5	0.80	675.0	0.022	2555	5000	P10286-ND	1.81	1.10	.82	.49	EEU-FC1E272
	3300	18	25	7.5	0.80	825.0	0.020	2740	5000	P10288-ND	1.97	1.39	1.05	.69	EEU-FC1E332S
	3300	16	31.5	7.5	0.80	825.0	0.018	3010	5000	P10287-ND	1.97	1.24	.94	.61	EEU-FC1E332
	3900	18	31.5	7.5	0.80	975.0	0.016	3635	5000	P11227-ND	3.71	2.37	1.67	.91	EEU-FC1E392
	3900	16	35.5	7.5	0.80	975.0	0.016	3150	5000	P11226-ND	3.27	2.09	1.47	.81	EEU-FC1E392L
	4700	18	35.5	7.5	0.80	1175.0	0.015	3680	5000	P10289-ND	2.71	1.74	1.32	.86	EEU-FC1E472
	5600	18	40	7.5	0.80	1400.0	0.014	3735	5000	P11228-ND	4.77	3.02	2.13	1.16	EEU-FC1E562
	18	4	11	1.5	0.45	6.3	1.3	120	1000	P11229-ND	.28	.19	.14	.08	EEU-FC1V180
	22	5	11	2	0.50	7.7	0.80	175	1000	P11230-ND	.34	.14	.10	.06	EEU-FC1V220
	27	5	11	2	0.50	9.45	0.80	175	1000	P11231-ND	.34	.14	.10	.06	EEU-FC1V270
	33	5	11	2.0	0.50	11.5	0.80	175	1000	P10290-ND	.34	.14	.10	.06	EEU-FC1V330
	39	5	15	2.0	0.50	13.6	0.50	235	1000	P10291-ND	.30	.21	.15	.08	EEU-FC1V390
	47	6.3	11.2	2.5	0.50	16.45	0.35	290	1000	P11232-ND	.34	.17	.13	.07	EEU-FC1V470
	56	6.3	11.2	2.5	0.50	19.6	0.35	290	1000	P11233-ND	.33	.17	.13	.07	EEU-FC1V560
	68	6.3	11.2	2.5	0.50	23.8	0.35	290	1000	P10292-ND	.28	.16	.11	.07	EEU-FC1V680
	82	6.3	15	2.5	0.50	28.7	0.25	400	1000	P10293-ND	.32	.23	.17	.10	EEU-FC1V820
	100	8	11.5	3.5	0.60	35.0	0.117	555	2000	P10294-ND	.38	.22	.16	.09	EEU-FC1V101
	120	8	11.5	3.5	0.60	42.0	0.117	555	2000	P11234-ND	.46	.25	.18	.10	EEU-FC1V121
	150	8	11.5	3.5	0.60	52.5	0.117	555	2000	P10295-ND	.36	.22	.16	.09	EEU-FC1V151
	180	10	12.5	5	0.60	63.0	0.09	755	3000	P11235-ND	.63	.35	.25	.14	EEU-FC1V181
	220	10	12.5	5.0	0.60	77.0	0.090	755	3000	P10297-ND	.44	.28	.21	.12	EEU-FC1V221
	220	8	15	3.5	0.60	77.0	0.085	730	2000	P10296-ND	.48	.28	.21	.12	EEU-FC1V221L
	270	10	16	5	0.60	94.5	0.068	1050	3000	P11236-ND	.81	.46	.33	.18	EEU-FC1V271
	390	12.5	15	5.0	0.60	136.5	0.065	1205	5000	P10300-ND	.80	.55	.40	.23	EEU-FC1V391S
	330	10	16	5.0	0.60	115.5	0.068	1050	3000	P10299-ND	.61	.38	.28	.16	EEU-FC1V331
	330	8	20	3.5	0.60	115.5	0.065	995	2000	P10298-ND	.56	.33	.24	.14	EEU-FC1V331L
	390	10	20	5	0.60	136.5	0.052	1220	3000	P11237-ND	.96	.55	.39	.21	EEU-FC1V391
	470	10	20	5.0	0.60	164.5	0.052	1220	3000	P10301-ND	.72	.45	.33	.19	EEU-FC1V471
	560	12.5	20	5	0.60	196.0	0.038	1655	5000	P11239-ND	1.25	.77	.55	.30	EEU-FC1V561S
	560	10	25	5	0.60	196.0	0.045	1440	3000	P11238-ND	1.07	.62	.44	.24	EEU-FC1V561
	680	16	15	7.5	0.80	238.0	0.043	1690	5000	P10303-ND	1.01	.73	.55	.32	EEU-FC1V681S
	680	12.5	20	5.0	0.60	238.0	0.038	1655	5000	P10302-ND	.90	.59	.45	.27	EEU-FC1V681
	680	10	30	5	0.60	238.0	0.035	1815	3000	P11240-ND	1.20	.76	.54	.30	EEU-FC1V681L
	820	18	15	7.5	0.80	287.0	0.038	2000	5000	P10304-ND	1.35	.98	.74	.44	EEU-FC1V821
	820	12.5	25	5	0.60	287.0	0.03	1945	5000	P11241-ND	1.78	.97	.69	.38	EEU-FC1V821L
	1000	16	20	7.5	0.80	350.0	0.029	2205	5000	P10876-ND	1.42	.92	.69	.41	EEU-FC1V102S
	1000	12.5	25	5.0	0.60	350.0	0.030	1945	5000	P10305-ND	1.11	.75	.56	.33	EEU-FC1V102
	1200	16	20	7.5	0.80	420.0	0.029	2205	5000	P11242-ND	2.03	1.20	.85	.46	EEU-FC1V122
	1200	12.5	30	5.0	0.80	420.0	0.025	2310	5000	P10306-ND	1.26	.77	.58	.34	EEU-FC1V122L
	1500	18	20	7.5	0.80	525.0	0.028	2490	5000	P11243-ND	2.65	1.62	1.15	.63	EEU-FC1V152S
	1500	16	25	7.5	0.80	525.0	0.022	2555	5000	P10308-ND	1.81	1.10	.82	.49	EEU-FC1V152
	1500	12.5	35	5.0	0.80	525.0	0.022	2510	5000	P10307-ND	1.39	1.00	.75	.45	EEU-FC1V152L
	1800	18	20	7.5	0.80	630.0	0.028	2490	5000	P11246-ND	2.65	1.62	1.15	.63	EEU-FC1V182S
	1800	16	25	7.5	0.80	630.0	0.022	2555	5000	P11245-ND	2.39	1.43	1.01	.55	EEU-FC1V182
	1800	12.5	40	5	0.80	630.0	0.016	2655	5000	P11244-ND	2.29	1.49	1.05	.58	EEU-FC1V182L

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W.V. (V)	Cap. (µF)	Dimensions (mm) ØD	L	P	Ød	Leakage Current (20°C) (2 Min.) (µA) Maximum	Impedance (100kHz) (20°C) (Ω) Maximum	Ripple Current (105°C) (mA) rms Maximum	Life Time (hours)	Digi-Key Part No.	Price Each 1	10	100	1,000	Panasonic Part No.
35	2200	18	25	7.5	0.80	770.0	0.020	2740	5000	P10310-ND	1.97	1.39	1.05	.69	EEU-FC1V222S
	2200	16	31.5	7.5	0.80	770.0	0.018	3010	5000	P10309-ND	1.78	1.24	.94	.61	EEU-FC1V222
	2700	18	31.5	7.5	0.80	945.0	0.016	3635	5000	P11248-ND	3.71	2.37	1.67	.91	EEU-FC1V272
	2700	16	35.5	7.5	0.80	945.0	0.016	3150	5000	P11247-ND	3.27	2.09	1.47	.81	EEU-FC1V272L
	3300	18	35.5	7.5	0.80	1155.0	0.015	3680	5000	P10311-ND	2.71	1.74	1.32	.86	EEU-FC1V332
	3900	18	40	7.5	0.80	1365.0	0.014	3795	5000	P11249-ND	4.77	3.02	2.13	1.16	EEU-FC1V392
50	1.0	5	11	2.0	0.50	0.5	2.40	20	1000	P10312-ND	.27	.14	.10	.06	EEU-FC1H1R0
	2.2	5	11	2.0	0.50	1.1	1.30	45	1000	P10313-ND	.27	.14	.10	.06	EEU-FC1H2R2
	3.3	5	11	2.0	0.50	1.6	1.30	65	1000	P10314-ND	.34	.14	.10	.06	EEU-FC1H3R3
	4.7	5	11	2.0	0.50	2.3	1.30	95	1000	P10315-ND	.27	.14	.10	.06	EEU-FC1H4R7
	10	4	11	1.5	0.45	5.0	2.5	90	1000	P11250-ND	.28	.19	.14	.08	EEU-FC1H100
	10	5	11	2.0	0.50	5.0	1.30	125	1000	P10316-ND	.34	.14	.10	.06	EEU-FC1H100L
	15	5	11	2.0	0.50	7.5	1.30	145	1000	P10317-ND	.34	.14	.10	.06	EEU-FC1H150
	18	5	11	2	0.50	9.0	1.3	155	1000	P11251-ND	.34	.14	.10	.06	EEU-FC1H180
	22	5	11	2.0	0.50	11.0	1.30	155	1000	P10318-ND	.34	.14	.10	.06	EEU-FC1H220
	27	5	15	2.0	0.50	13.5	0.90	215	1000	P10319-ND	.30	.21	.15	.08	EEU-FC1H270
	33	6.3	11.2	2.5	0.50	16.5	0.60	260	1000	P10320-ND	.27	.16	.11	.07	EEU-FC1H330
	47	6.3	11.2	2.5	0.50	23.5	0.60	260	1000	P10321-ND	.28	.16	.11	.07	EEU-FC1H470
	56	6.3	15	2.5	0.50	28.0	0.40	360	1000	P10322-ND	.32	.23	.17	.10	EEU-FC1H560
	68	8	11.5	3.5	0.60	34.0	0.234	485	2000	P11252-ND	.48	.25	.18	.10	EEU-FC1H680
	82	8	11.5	3.5	0.60	41.0	0.234	485	2000	P11253-ND	.43	.25	.18	.10	EEU-FC1H820
	100	10	12.5	5.0	0.60	50.0	0.162	615	3000	P10323-ND	.44	.28	.21	.12	EEU-FC1H101
	120	10	12.5	5	0.60	60.0	0.162	615	3000	P11255-ND	.63	.35	.25	.14	EEU-FC1H121
	120	8	15	3.5	0.60	60.0	0.155	635	2000	P11254-ND	.55	.35	.25	.14	EEU-FC1H121L
	150	10	16	5	0.60	75.0	0.119	850	3000	P11256-ND	.81	.46	.33	.18	EEU-FC1H151
	180	8	20	3.5	0.60	90.0	0.120	860	2000	P10324-ND	.56	.33	.24	.14	EEU-FC1H181L
	220	12.5	15	5.0	0.60	110.0	0.110	1150	5000	P10326-ND	.80	.55	.40	.23	EEU-FC1H221S
	220	10	20	5.0	0.60	110.0	0.090	1030	3000	P10325-ND	.72	.45	.33	.19	EEU-FC1H221
	270	10	25	5	0.60	135.0	0.082	1200	3000	P11257-ND	1.07	.62	.44	.24	EEU-FC1H271
	330	12.5	20	5	0.60	165.0	0.063	1480	5000	P11258-ND	1.30	.77	.55	.30	EEU-FC1H331
	390	16	15	7.5	0.80	195.0	0.080	1610	5000	P10327-ND	1.05	.73	.55	.32	EEU-FC1H391S
	390	12.5	25	5	0.60	195.0	0.063	1480	5000	P11259-ND	1.30	.77	.55	.30	EEU-FC1H391
	470	12.5	25	5.0	0.60	235.0	0.050	1832	5000	P10328-ND	1.08	.75	.56	.33	EEU-FC1H471
	470	10	30	5	0.60	235.0	0.06	1610	3000	P11260-ND	1.20	.76	.54	.30	EEU-FC1H471L
	560	18	15	7.5	0.80	280.0	0.068	1900	5000	P10329-ND	1.39	.98	.74	.44	EEU-FC1H561S
	560	12.5	25	5	0.60	280.0	0.05	1832	5000	P11261-ND	1.78	.97	.69	.38	EEU-FC1H561
	680	16	20	7.5	0.80	340.0	0.048	1835	5000	P10331-ND	1.41	.92	.69	.41	EEU-FC1H681
	680	12.5	30	5.0	0.80	340.0	0.040	2215	5000	P10330-ND	1.26	.77	.58	.34	EEU-FC1H681L
	820	18	20	7.5	0.80	410.0	0.042	2420	5000	P11262-ND	2.65	1.62	1.15	.63	EEU-FC1H821
	820	12.5	35	5.0	0.80	410.0	0.034	2285	5000	P10332-ND	1.39	1.00	.75	.45	EEU-FC1H821L
	1000	16	25	7.5	0.80	500.0	0.034	2235	5000	P10333-ND	1.75	1.10	.82	.49	EEU-FC1H102
	1000	12.5	40	5	0.80	500.0	0.03	2590	5000	P11263-ND	2.29	1.49	1.05	.58	EEU-FC1H102L
	1200	18	25	7.5	0.80	600.0	0.029	2610	5000	P11265-ND	3.23	2.05	1.45	.79	EEU-FC1H122S
	1200	16	31.5	7.5	0.80	600.0	0.028	2700	5000	P11264-ND	3.23	1.82	1.29	.70	EEU-FC1H122
	1500	16	35.5	7.5	0.80	750.0	0.025	2790	5000	P10334-ND	1.99	1.42	1.07	.70	EEU-FC1H152L
	1800	18	31.5	7.5	0.80	900.0	0.025	3000	5000	P11267-ND	3.58	2.37	1.67	.91	EEU-FC1H182
	1800	16	40	7.5	0.80	900.0	0.023	2845	5000	P11266-ND	3.51	2.30	1.62	.89	EEU-FC1H182L
	2200	18	35.5	7.5	0.80	1100.0	0.023	3100	5000	P10335-ND	2.60	1.74	1.32	.86	EEU-FC1H222
63	6.8	4	11	1.5	0.45	4.284	3.5	80	1000	P11268-ND	.28	.19	.14	.08	EEU-FC1J6R8
	12	5	11	2.0	0.50	7.5	2.00	145	1000	P10336-ND	.34	.14	.10	.06	EEU-FC1J120
	18	5	15	2.0	0.50	11.3	1.30	200	1000	P10337-ND	.30	.21	.15	.08	EEU-FC1J180
	22	6.3	11.2	2.5	0.50	13.8	1.00	240	1000	P10338-ND	.27	.16	.11	.07	EEU-FC1J220
	33	6.3	11.2	2.5	0.50	20.7	1.000	240	1000	P10764-ND	.29	.16	.11	.07	EEU-FC1J330
	39	6.3	15	2.5	0.50	24.5	0.70	330	1000	P10339-ND	.32	.23	.17	.10	EEU-FC1J390
	47	8	11.5	3.5	0.60	29.6	0.342	405	2000	P10340-ND	.38	.22	.16	.09	EEU-FC1J470
	68	8	11.5	3.5	0.60	42.8	0.342	405	2000	P10341-ND	.40	.22	.16	.09	EEU-FC1J680
	56	8	11.5	3.5	0.60	35.28	0.342	405	2000	P11269-ND	.48	.25	.18	.10	EEU-FC1J560
	82	10	12.5	5	0.60	51.66	0.256	535	3000	P11270-ND	.63	.35	.25	.14	EEU-FC1J820
	100	10	12.5	5.0	0.60	63.0	0.256	535	3000	P10343-ND	.44	.28	.21	.12	EEU-FC1J101
	100	8	15	3.5	0.60	63.0	0.230	535	2000	P10342-ND	.40	.28	.21	.12	EEU-FC1J101L
	120	10	16	5	0.60	75.6	0.194	600	3000	P11271-ND	.81	.46	.33	.18	EEU-FC1J121
	150	8	20	3.5	0.60	94.5	0.178	690	2000	P10344-ND	.56	.33	.24	.14	EEU-FC1J151
	180	12.5	15	5.0	0.60	113.4	0.150	1020	5000	P10345-ND	.80	.55	.40	.23	EEU-FC1J181S
	180	10	20	5	0.60	113.4	0.147	885	3000	P11272-ND	.99	.55	.39	.21	EEU-FC1J181
	220	12.5	20	5.0	0.60	138.6	0.085	1285	5000	P10347-ND	.90	.59	.45	.27	EEU-FC1J221S
	220	10	25	5.0	0.60	138.6	0.130	1050	3000	P10346-ND	.68	.51	.37	.22	EEU-FC1J221
	270	16	15	7.5	0.80	170.1	0.090	1410	5000	P10348-ND	1.05	.73	.55	.32	EEU-FC1J271
	330	12.5	20	5.0	0.60	207.9	0.085	1285	5000	P10349-ND	.87	.59	.45	.27	EEU-FC1J331
	330	10	30	5	0.60	207.9	0.09	1300	3000	P11273-ND	1.20	.76	.54	.30	EEU-FC1J331L
	390	18	15	7.5	0.80	245.7	0.086	1690	5000	P10350-ND	1.39	.98	.74	.44	EEU-FC1J391S
	390	12.5	25	5	0.60	245.7	0.07	1720	5000	P11274-ND	1.78	.97	.69	.38	EEU-FC1J391
	470	16	20	7.5	0.80	296.1	0.059	1765	5000	P10352-ND	1.36	.92	.69	.41	EEU-FC1J471
	470	12.5	30	5.0	0.80	296.1	0.055	2090	5000	P10351-ND	1.26	.77	.58	.34	EEU-FC1J471L
	560	16	25	7.5	0.80	352.8	0.05	2160	5000	P11275-ND	2.60	1.43	1.01	.55	EEU-FC1J561
	680	18	20	7.5	0.80	428.4	0.055	2290	5000	P11276-ND	2.65	1.62	1.15	.63	EEU-FC1J681S
	680	16	25	7.5	0.80	428.4	0.050	2160	5000	P10354-ND	1.78	1.10	.82	.49	EEU-FC1J681
	680	12.5	35	5.0	0.80	428.4	0.047	2265	5000	P10353-ND	1.35	1.00	.75	.45	EEU-FC1J681L
	820	18	25	7.5	0.80	516.6	0.043	2585	5000	P11279-ND	3.23	2.05	1.45	.79	EEU-FC1J821S
	820	16	31.5	7.5	0.80	516.6	0.043	2670	5000	P11278-ND	3.23	1.82	1.29	.70	EEU-FC1J821
	820	12.5	40	5	0.80	516.6	0.042	2560	5000	P11277-ND	2.29	1.49	1.05	.58	EEU-FC1J821L
	1000	16	31.5	7.5	0.80	630.0	0.043	2670	5000	P11280-ND	3.33	1.82	1.29	.70	EEU-FC1J102U
	1000	16	35.5	7.5	0.80	630.0	0.036	2770	5000	P10355-ND	1.99	1.42	1.07	.70	EEU-FC1J102
	1200	16	40	7.5	0.80	756.0	0.032	2950	5000	P11282-ND	3.65	2.30	1.62	.89	EEU-FC1J122L
	1200	18	31.5	7.5	0.80	756.0	0.03	2825	5000	P11281-ND	3.71	2.37	1.67	.91	EEU-FC1J122
	1500	18	35.5	7.5	0.80	945.0	0.030	3095	5000	P10356-ND	2.71	1.74	1.32	.86	EEU-FC1J152
	1800	18	40	7.5	0.80	1134.0	0.025	3205	5000	P11283-ND	4.77	3.02	2.13	1.16	EEU-FC1J182
100	1.0	5	11	2.0	0.50	1.0	7.500	15	1000	P10765-ND	.24	.14	.10	.06	EEU-FC2A1R0
	2.2	5	11	2.0	0.50	2.2	5.400	35	1000	P10766-ND	.30	.14	.10	.06	EEU-FC2A2R2
	3.3	5	11	2.0	0.50	3.3	4.400	50	1000	P10767-ND	.30	.14	.10	.06	EEU-FC2A3R3
	4.7	5	11	2.0	0.50	4.7	4.400	65	1000	P10768-ND	.30	.14	.10	.06	EEU-FC2A4R7
	10	6.3	11.2	2.5	0.50	10.0	1.800	114	1000	P10769-ND	.31	.17	.13	.07	EEU-FC2A100
	22	8	11.5	3.5	0.60	22.0	0.680	260	2000	P10770-ND	.44	.24	.18	.10	EEU-FC2A220
	33	10	12.5	5.0	0.60	33.0	0.530	306	3000	P10771-ND	.51	.31	.23	.13	EEU-FC2A330
	33	8	15	3.5	0.60	33.0	0.450	340	2000	P10772-ND	.54	.31	.23	.13	EEU-FC2A330L
	47	10	20	5.0	0.60	47.0	0.240	463	3000	P10773-ND	.82	.50	.37	.21	EEU-FC2A470
	68	10	25	5.0	0.60	68.0	0.210	599	3000	P10774-ND	.88	.56	.41	.24	EEU-FC2A680L
	100	12.5	20	5.0	0.60	100.0	0.180	671	5000	P10776-ND	1.01	.66	.49	.29	EEU-FC2A101
	100	10	30	5.0	0.60	100.0	0.150	698	3000	P10775-ND	.93	.64	.48	.29	EEU-FC2A101L
	150	18	15	7.5	0.80	150.0	0.120	917	5000	P10778-ND	1.55	1.08	.81	.48	EEU-FC2A151S
	150	12.5	25	5.0	0.60	150.0	0.110	807	5000	P10777-ND	1.15	.80	.60	.36	EEU-FC2A151
	220	16	25	7.5	0.80	220.0	0.089	1170	5000	P10780-ND	1.76	1.07	.81	.53	EEU-FC2A221
	220	12.5	35	5.0	0.80	220.0	0.087	1040	5000	P10779-ND	1.55	1.10	.83	.49	EEU-FC2A221L
	270	12.5	40	5.0	0.80	270.0	0.072	1130	5000	P10781-ND	1.55	1.11	.84	.55	EEU-FC2A271L
	330	18	25	7.5	0.80	330.0	0.070	1420	5000	P10783-ND	2.21	1.55	1.17	.76	EEU-FC2A331S
	330	16	31.5	7.5	0.80	330.0	0.062	1520	5000	P10782-ND	2.19	1.36	1.03	.67	EEU-FC2A331
	390	16	35.5	7.5	0.80	390.0	0.053	1730	5000	P10784-ND	2.21	1.56	1.18	.77	EEU-FC2A391L
	470	16	40	7.5	0.80	470.0	0.047	1920	5000	P10874-ND	2.47	1.72	1.30	.85	EEU-FC2A471
	680	18	40	7.5	0.80	680.0	0.036	2300	5000	P10875-ND	3.28	2.26	1.70	1.11	EEU-FC2A681

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URES:

r Impedance: 40 – 70% lower than FC Series • High Ripple Current: 50% r than FC Series • Long Life: 2000 – 7000 hours at 105°C • PVC free, Pb • Appearance: Black body with gold markings

IFICATIONS:

rating Temperature Range: -40°C ~ 105°C • **Capacitance Tolerance:** ±20% (Hz, 20°C) • **Leakage Current:** I ≤ 0.01 CV (µA) measured after 2 minutes cation of rated working voltage at 20°C

8 (120 Hz, 20°C)

king volt. (VDC)	6.3	10	16	25	35	50
max.	0.22	0.19	0.16	0.14	0.12	0.10

apacitance value > 1000µF, add 0.02 per every 1000µF.

• Impedance at High Frequency: Refer to standard product table **• Ripple Current:** Refer to standard product table (100kHz, 105°C)

Endurance:

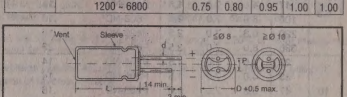
Test Conditions — Duration: 3000 hours (for Ø8x11.5 ~ 15mm), 4000 hours (for Ø8x20, Ø10x12.5 ~ 16mm), 5000 hours (for Ø10x20 ~ 25, Ø12.5x20, Ø16x20mm), 7000 hours (for Ø12.5x25 ~ 35, Ø16x25mm) **• Ambient Temperature:** 105°C ±2°C **• Applied Voltage:** DC voltage with maximum permissible ripple current specified at 105°C (the sum of the DC voltage and super-imposed peak AC voltage for maximum permissible ripple current should be equal to rated DC working voltage.)

Post Test Requirements at 20°C — Leakage Current: ≤ initial specified value **• Capacitance change:** 16V ~ 50V: ±25% of initial measured value (6.3V ~ 10V: ±30%) **• tan δ:** ≤ 200% of initial specified value

Shelf Life: After storage for 1000 hours at 105 ±2°C with no voltage applied and then being stabilized at 20°C, capacitor shall meet the limits specified in Endurance. (With voltage treatment)

Frequency Correction Factor for Ripple Current

W.V. (VDC)	Cap. (µF)	Frequency (Hz) 60	120	1K	10K	100K
6.3 ~ 50	22 ~ 33	0.45	0.55	0.75	0.90	1.00
	47 ~ 330	0.60	0.70	0.85	0.95	1.00
	390 ~ 1000	0.65	0.75	0.90	0.98	1.00
	1200 ~ 6800	0.75	0.80	0.95	1.00	1.00



W.V. (VDC)	Cap. (µF)	Dimensions (mm) ØD	L	P	Ød	Leakage Current (20°C) (2 min.) (µA) Maximum	Impedance (100kHz) (20°C) (Ω) Maximum	Ripple Current (1000kHz @ 105°C) (mA) rms Maximum	Life Time (hours)	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
	150	5	11	2.0	0.5	9.5	0.300	280	2000	P12917-ND	.16	1.16	8.30	46.48	EEU-FM0J151
	330	6	11.2	2.5	0.5	20.8	0.130	455	2000	P12918-ND	.20	1.45	10.35	57.96	EEU-FM0J331
	560	8	11.5	3.5	0.6	35.3	0.056	950	3000	P12348-ND	.32	2.16	15.25	83.19	EEU-FM0J561
	820	8	15	3.5	0.6	51.7	0.041	1240	3000	P12352-ND	.37	2.71	19.35	108.37	EEU-FM0J821L
	1000	10	12.5	5.0	0.6	63.0	0.038	1290	4000	P12340-ND	.37	2.74	19.55	109.48	EEU-FM0J102
	1200	10	16	5.0	0.6	75.6	0.026	1790	4000	P12341-ND	.50	3.65	26.07	145.98	EEU-FM0J122
	1200	8	20	3.5	0.6	75.6	0.030	1560	4000	P12342-ND	.43	3.16	22.58	126.43	EEU-FM0J122L
3	1500	10	20	5.0	0.6	94.5	0.019	2180	5000	P12343-ND	.59	4.38	31.29	175.21	EEU-FM0J152
	2200	10	25	5.0	0.6	138.6	0.018	2470	5000	P12344-ND	.61	4.50	33.07	189.96	EEU-FM0J222L
	3300	12.5	20	5.0	0.6	207.9	0.018	2600	5000	P12345-ND	.76	5.63	41.35	237.55	EEU-FM0J332
	3900	12.5	25	5.0	0.6	245.7	0.015	3190	7000	P12346-ND	.95	7.09	52.07	299.13	EEU-FM0J392
	4700	12.5	30	5.0	0.8	296.1	0.013	3630	7000	P12347-ND	.98	7.30	53.60	307.94	EEU-FM0J472L
	5600	12.5	35	5.0	0.8	352.8	0.012	3750	7000	P12349-ND	1.34	10.05	75.41	445.76	EEU-FM0J562L
	5600	16	20	7.5	0.8	352.8	0.017	3300	5000	P12350-ND	1.09	8.21	61.58	364.03	EEU-FM0J562S
	6800	16	25	7.5	0.8	428.4	0.014	3820	7000	P12351-ND	1.30	9.78	73.32	433.38	EEU-FM0J682
	100	5	11	2.0	0.5	10.0	0.300	280	2000	P12919-ND	.16	1.16	8.30	46.48	EEU-FM1A101
	220	6	11.2	2.5	0.5	22.0	0.130	455	2000	P12920-ND	.20	1.45	10.35	57.96	EEU-FM1A221
	470	8	11.5	3.5	0.6	47.0	0.056	950	3000	P12361-ND	.32	2.16	15.25	83.19	EEU-FM1A471
	680	10	12.5	5.0	0.6	68.0	0.038	1290	4000	P12364-ND	.37	2.74	19.55	109.48	EEU-FM1A681
	680	8	15	3.5	0.6	68.0	0.041	1240	3000	P12365-ND	.37	2.71	19.35	108.37	EEU-FM1A681L
	1000	10	16	5.0	0.6	100.0	0.026	1790	4000	P12353-ND	.50	3.65	26.07	145.98	EEU-FM1A102
	1000	8	20	3.5	0.6	100.0	0.030	1560	4000	P12354-ND	.50	3.65	26.07	145.98	EEU-FM1A102L
0	1200	10	20	5.0	0.6	120.0	0.019	2180	5000	P12355-ND	.59	4.38	31.29	175.21	EEU-FM1A122
	1500	10	25	5.0	0.6	150.0	0.018	2470	5000	P12356-ND	.61	4.50	33.07	189.96	EEU-FM1A152L
	2200	12.5	20	5.0	0.6	220.0	0.018	2600	5000	P12357-ND	.76	5.63	41.35	237.55	EEU-FM1A222
	3300	12.5	25	5.0	0.6	330.0	0.015	3190	7000	P12735-ND	.95	7.09	52.07	299.13	EEU-FM1A332
	3900	12.5	30	5.0	0.8	390.0	0.013	3630	7000	P12736-ND	.98	7.30	53.60	307.94	EEU-FM1A392L
	3900	16	20	7.5	0.8	390.0	0.017	3300	5000	P12737-ND	1.09	8.21	61.58	364.03	EEU-FM1A392S
	4700	12.5	35	5.0	0.8	470.0	0.012	3750	7000	P12362-ND	1.34	10.05	75.41	445.76	EEU-FM1A472L
	5600	16	25	7.5	0.8	560.0	0.014	3820	7000	P12363-ND	1.30	9.78	73.32	433.38	EEU-FM1A562
	68	5	11	2.0	0.5	10.9	0.300	280	2000	P12921-ND	.16	1.16	8.30	46.48	EEU-FM1C680
	120	6	11.2	2.5	0.5	19.2	0.130	455	2000	P12922-ND	.20	1.45	10.35	57.96	EEU-FM1C121
	330	8	11.5	3.5	0.6	52.8	0.056	950	3000	P12372-ND	.32	2.16	15.25	83.19	EEU-FM1C331
	470	10	12.5	5.0	0.6	75.2	0.038	1290	4000	P12375-ND	.37	2.74	19.55	109.48	EEU-FM1C471
	470	8	15	3.5	0.6	75.2	0.041	1240	3000	P12376-ND	.37	2.71	19.35	108.37	EEU-FM1C471L
	680	10	16	5.0	0.6	108.8	0.026	1790	4000	P12377-ND	.50	3.65	26.07	145.98	EEU-FM1C681
	680	8	20	3.5	0.6	108.8	0.030	1560	4000	P12378-ND	.43	3.16	22.58	126.43	EEU-FM1C681L
3	1000	10	20	5.0	0.6	160.0	0.019	2180	5000	P12366-ND	.59	4.38	31.29	175.21	EEU-FM1C102
	1200	10	25	5.0	0.6	192.0	0.018	2470	5000	P12367-ND	.61	4.50	33.07	189.96	EEU-FM1C122L
	1500	12.5	20	5.0	0.6	240.0	0.018	2600	5000	P12368-ND	.76	5.63	41.35	237.55	EEU-FM1C152
	2200	12.5	25	5.0	0.6	352.0	0.015	3190	7000	P12369-ND	.95	7.09	52.07	299.13	EEU-FM1C222
	2700	12.5	30	5.0	0.8	432.0	0.013	3630	7000	P12370-ND	.98	7.30	53.60	307.94	EEU-FM1C272L
	2700	16	20	7.5	0.8	432.0	0.017	3300	5000	P12371-ND	1.09	8.21	61.58	364.03	EEU-FM1C272S
	3300	12.5	35	5.0	0.8	528.0	0.012	3750	7000	P12373-ND	1.34	10.05	75.41	445.76	EEU-FM1C332L
	3900	16	25	7.5	0.8	624.0	0.014	3820	7000	P12374-ND	1.30	9.78	73.32	433.38	EEU-FM1C392
	47	5	11	2.0	0.5	11.8	0.300	280	2000	P12923-ND	.16	1.16	8.30	46.48	EEU-FM1E470
	100	6	11.2	2.5	0.5	25.0	0.130	455	2000	P12924-ND	.20	1.44	10.28	57.54	EEU-FM1E101
	220	8	11.5	3.5	0.6	55.0	0.056	950	3000	P12383-ND	.32	2.16	15.25	83.19	EEU-FM1E221
	330	10	12.5	5.0	0.6	82.5	0.038	1290	4000	P12386-ND	.37	2.74	19.55	109.48	EEU-FM1E331
	330	8	15	3.5	0.6	82.5	0.041	1240	3000	P12387-ND	.37	2.71	19.35	108.37	EEU-FM1E331L
	470	10	16	5.0	0.6	117.5	0.026	1790	4000	P12388-ND	.50	3.65	26.07	145.98	EEU-FM1E471
5	470	8	20	3.5	0.6	117.5	0.030	1560	4000	P12389-ND	.43	3.16	22.58	126.43	EEU-FM1E471L
	680	10	20	5.0	0.6	170.0	0.019	2180	5000	P12390-ND	.59	4.38	31.29	175.21	EEU-FM1E681
	820	10	25	5.0	0.6	205.0	0.018	2470	5000	P12391-ND	.61	4.50	33.07	189.96	EEU-FM1E821L
	1000	12.5	20	5.0	0.6	250.0	0.018	2600	5000	P12379-ND	.76	5.63	41.35	237.55	EEU-FM1E102
	1500	12.5	25	5.0	0.6	375.0	0.015	3190	7000	P12380-ND	.95	7.09	52.07	299.13	EEU-FM1E152
	1800	12.5	30	5.0	0.8	450.0	0.013	3630	7000	P12381-ND	.98	7.30	53.60	307.94	EEU-FM1E182L
	1800	16	20	7.5	0.8	450.0	0.017	3300	5000	P12382-ND	1.09	8.21	61.58	364.03	EEU-FM1E182S
	2200	12.5	35	5.0	0.8	550.0	0.012	3750	7000	P12384-ND	1.34	10.05	75.41	445.76	EEU-FM1E222L
	2700	16	25	7.5	0.8	675.0	0.014	3820	7000	P12385-ND	1.30	9.78	73.32	433.38	EEU-FM1E272
	33	5	11	2.0	0.5	11.6	0.300	280	2000	P12925-ND	.16	1.16	8.30	46.48	EEU-FM1V330
	68	6	11.2	2.5	0.5	23.8	0.130	455	2000	P12926-ND	.20	1.44	10.28	57.54	EEU-FM1V680
	150	8	11.5	3.5	0.6	52.5	0.056	950	3000	P12408-ND	.32	2.16	15.25	83.19	EEU-FM1V151
	220	10	12.5	5.0	0.6	77.0	0.038	1290	4000	P12411-ND	.37	2.74	19.55	109.48	EEU-FM1V221
	220	8	15	3.5	0.6	77.0	0.041	1240	3000	P12412-ND	.37	2.71	19.35	108.37	EEU-FM1V221L
	330	10	16	5.0	0.6	115.5	0.026	1790	4000	P12413-ND	.50	3.65	26.07	145.98	EEU-FM1V331
	330	8	20	3.5	0.6	115.5	0.030	1560	4000	P12414-ND	.43	3.16	22.58	126.43	EEU-FM1V331L
	470	10	20	5.0	0.6	164.5	0.019	2180	5000	P12415-ND	.59	4.38	31.29	175.21	EEU-FM1V471
	560	10	25	5.0	0.6	196.0	0.018	2470	5000	P12416-ND	.61	4.50	33.07	189.96	EEU-FM1V561L
	680	12.5	20	5.0	0.6	238.0	0.018	2600	5000	P12417-ND	.76	5.63	41.35	237.55	EEU-FM1V681
	1000	12.5	25	5.0	0.6	350.0	0.015	3190	7000	P12405-ND	.95	7.09	52.07	299.13	EEU-FM1V102
	1200	12.5	30	5.0	0.8	420.0	0.013	3630	7000	P12406-ND	.98	7.30	53.60	307.94	EEU-FM1V122L
	1200	16	20	7.5	0.8	420.0	0.017	3300	5000	P12407-ND	1.09	8.21	61.58	364.03	EEU-FM1V122S
	1500	12.5	35	5.0	0.8	525.0	0.012	3750	7000	P12409-ND	1.34	10.05	75.41	445.76	EEU-FM1V152L
	1800	16	25	7.5	0.8	630.0	0.014	3820	7000	P12410-ND	1.30	9.78	73.32	433.38	EEU-FM1V182
	22	5	11	2.0	0.5	11.0	0.340	250	2000	P12927-ND	.16	1.16	8.30	46.48	EEU-FM1H220
	56	6	11.2	2.5	0.5	28.0	0.140	405	2000	P12928-ND	.20	1.44	10.28	57.54	EEU-FM1H560
	100	8	11.5	3.5	0.6	50.0	0.061	870	3000	P12392-ND	.32	2.16	15.25	83.19	EEU-FM1H101
	120	8	15	3.5	0.6	60.0	0.045	1140	3000	P12394-ND	.37	2.71	19.35	108.37	EEU-FM1H121L
	150	10	12.5	5.0	0.6	75.0	0.042	1170	4000	P12395-ND	.37	2.74	19.55	109.48	EEU-FM1H151
	180	8	20	3.5	0.6	90.0	0.033	1430	4000	P12396-ND	.43	3.16	22.58	126.43	EEU-FM1H181L
	220	10	16	5.0	0.6	110.0	0.030	1650	4000	P12397-ND	.50	3.65	26.07	145.98	EEU-FM1H221
	270	10	20	5.0	0.6	135.0	0.023	1890	5000	P12398-ND	.59	4.38	31.29	175.21	EEU-FM1H271
	330	10	25	5.0	0.6	165.0	0.022	2150	5000	P12399-ND	.61	4.50	33.07	189.96	EEU-FM1H331L
	470	12.5	20	5.0	0.6	235.0	0.022	2260	5000	P12400-ND	.76	5.63	41.35	237.55	EEU-FM1H471
	560	12.5	25	5.0	0.6	280.0	0.016	2660	7000	P12401-ND	.95	7.09	52.07	299.13	EEU-FM1H561
	680	12.5	30	5.0	0.8	340.0	0.016	3160	7000	P12402-ND	.98	7.30	53.60	307.94	EEU-FM1H681L
	820	12.5	35	5.0	0.8	410.0	0.014	3270	7000	P12403-ND	1.34	10.05	75.41	445.76	EEU-FM1H821L
	820	16	20	7.5	0.8	410.0	0.019	2870	5000	P12404-ND	1.09	8.21	61.58	364.03	EEU-FM1H821S
	1000	16	25	7.5	0.8	500.0	0.016	3320	7000	P12393-ND	1.30	9.78	73.32	433.38	EEU-FM1H102

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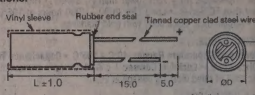
Panasonic KA-Series Miniature Aluminum Electrolytic Capacitors

Rating WV DC	µF	Dimensions (mm) D	L	P	Digi-Key Part No.	Pricing 1	10	100	500	1,000	5,000	Panasonic Part No.
6.3	22	4.0	7.0	1.5	P800-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A0JKA220
	33	4.0	7.0	1.5	P801-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A0JKA330
	47	4.0	7.0	1.5	P802-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A0JKA470
	100	5.0	7.0	2.0	P803-ND*	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A0JKA101
	220	6.3	7.0	2.5	P829-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A0JKA221
	330	8.0	7.0	3.5	P830-ND	.23	1.68	12.03	43.29	67.00	63.00/M	ECE-A0JKA331
10	22	4.0	7.0	1.5	P804-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1AKA220
	33	4.0	7.0	1.5	P805-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1AKA330
	47	5.0	7.0	2.0	P806-ND	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1AKA470
	100	6.3	7.0	2.5	P831-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1AKA101
	220	8.0	7.0	3.5	P832-ND	.23	1.68	12.03	43.29	67.00	63.00/M	ECE-A1AKA221
16	10	4.0	7.0	1.5	P807-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1CKA100
	22	4.0	7.0	1.5	P808-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1CKA220
	33	5.0	7.0	2.0	P809-ND*	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1CKA330
	47	5.0	7.0	2.0	P810-ND*	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1CKA470
	100	6.3	7.0	2.5	P833-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1CKA101
25	4.7	4.0	7.0	1.5	P812-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1EKA4R7
	10	4.0	7.0	1.5	P813-ND	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1EKA100
	22	5.0	7.0	2.0	P814-ND	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1EKA220
	33	6.3	7.0	2.5	P815-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1EKA330
	47	6.3	7.0	2.5	P834-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1EKA470
35	4.7	4.0	7.0	1.5	P817-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1VKA4R7
	10	5.0	7.0	2.0	P818-ND*	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1VKA100
	22	6.3	7.0	2.5	P819-ND*	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1VKA220
	33	6.3	7.0	2.5	P835-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1VKA330
	47	8.0	7.0	3.5	P836-ND	.23	1.68	12.03	43.29	67.00	63.00/M	ECE-A1VKA470
50	0.1	4.0	7.0	1.5	P820-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKA0R1
	0.22	4.0	7.0	1.5	P821-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKAR22
	0.33	4.0	7.0	1.5	P822-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKAR33
	0.47	4.0	7.0	1.5	P823-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKAR47
	1.0	4.0	7.0	1.5	P824-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKA010
	2.2	4.0	7.0	1.5	P825-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKA2R2
	3.3	4.0	7.0	1.5	P826-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKA3R3
	4.7	4.0	7.0	1.5	P827-ND*	.14	.91	6.11	20.69	32.00	27.00/M	ECE-A1HKA4R7
	10	5.0	7.0	2.0	P828-ND*	.16	1.01	6.79	23.00	35.00	30.00/M	ECE-A1HKA100
	22	6.3	7.0	2.5	P837-ND	.15	1.02	7.21	24.89	39.00	34.00/M	ECE-A1HKA220
	33	8.0	7.0	3.5	P838-ND	.23	1.68	12.03	43.29	67.00	63.00/M	ECE-A1HKA330

* P835-KIT-ND *Digi-Key® KA-Series Capacitors Kit* 10 each of parts indicated. (160 total pieces) Notebook style storage case $29.95

The KA-Series is a tantalum substitute for many ap cations.



- **Operating Temperature Range:** –40°C – 85°C.
- **Rated DC Voltage Range:** 6.3 – 63VDC.
- **Rated Capacitance Range:** 1.0 – 100µF.
- **Capacitance Tolerance:** ±20%.
- **tan δ:** Maximum at 120Hz.

W.V.	6.3	10	16	25	35	5
tan	0.24	0.2	0.16	0.14	0.12	0.

- **DC Leakage Current, Maximum:** After 5 min application of the DC working voltage, I=0.01 C V or whichever is greater.
- **Load Life:** 1,000 hours application of the rated DC wo voltage at 85°C, the capacitor shall meet the following lim

Capacitance Change	Within ±20% of the initial measured value
tan δ	Less than 200% of the initial specified value
DC Leakage Current	Less than the initial specified va

- **Stability at Low and High Temperature:** Impedance at 120Hz –25/20°C, –40/20°C.

W.V.	6.3	10	16	25	35	5
–25/20°C	4	3	2	2	2	
–40/20°C	8	6	4	4	3	

- **Shelf Life:** After 1,000 hours storage without load at 8 the capacitor shall meet the above "Load life."
- **Others shall be in accordance with JIS-C-5141 (197**

PANASONIC K CROSS REFERENCES:
Elna: RC2, **IC:** RSS, **Marcon:** SSM, **Nichicon:** SR **Rubycon:** MS7, **UCC:** SRG/SRA

KG-Series Miniature Aluminum Electrolytic Capacitors 105°C

WV DC	Cap. µF	Size Code	Digi-Key Part No.	Pricing 1	10	100	500	1,000	5,000	Panasonic Part No.
6.3	22	A	P900-ND	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A0JKG220
	33	B	P901-ND	.19	1.02	7.21	24.89	39.00	34.00/M	ECE-A0JKG330
	47	B	P902-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECE-A0JKG470
	68	C	P903-ND	.20	1.25	8.83	30.50	48.00	42.00/M	ECE-A0JKG680
	100	C	P904-ND*	.24	1.25	8.83	30.50	48.00	42.00/M	ECE-A0JKG101
	220	D	P941-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A0JKG221
10	22	A	P905-ND	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1AKG220
	33	B	P906-ND	.21	1.02	7.21	24.89	39.00	34.00/M	ECE-A1AKG330
	47	C	P907-ND	.21	1.25	8.83	30.50	48.00	42.00/M	ECE-A1AKG470
	68	C	P908-ND	.24	1.25	8.83	30.50	48.00	42.00/M	ECE-A1AKG680
	100	C	P942-ND	.24	1.12	8.03	28.89	45.00	42.00/M	ECE-A1AKG101
16	6.8	A	P909-ND	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1CKG6R8
	10	A	P910-ND	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1CKG100
	15	A	P911-ND	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1CKG150
	22	B	P912-ND	.21	1.02	7.21	24.89	39.00	34.00/M	ECE-A1CKG220
	33	C	P913-ND*	.22	1.25	8.83	30.50	48.00	42.00/M	ECE-A1CKG330
	47	C	P914-ND*	.23	1.25	8.83	30.50	48.00	42.00/M	ECE-A1CKG470
	68	D	P943-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1CKG680
	100	D	P944-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1CKG101
25	6.8	A	P915-ND*	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1EKG6R8
	10	A	P916-ND*	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1EKG100
	15	B	P917-ND	.21	1.02	7.21	24.89	39.00	34.00/M	ECE-A1EKG150
	22	B	P918-ND*	.22	1.02	7.21	24.89	39.00	34.00/M	ECE-A1EKG220
	33	C	P919-ND	.25	1.25	8.83	30.50	48.00	42.00/M	ECE-A1EKG330
	47	D	P945-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1EKG470
	68	D	P946-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1EKG680
35	4.7	A	P920-ND*	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1VKG4R7
	6.8	A	P921-ND	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1VKG6R8
	10	B	P922-ND*	.21	1.02	7.21	24.89	39.00	34.00/M	ECE-A1VKG100
	15	C	P923-ND	.25	1.25	8.83	30.50	48.00	42.00/M	ECE-A1VKG150
	22	C	P924-ND*	.25	1.25	8.83	30.50	48.00	42.00/M	ECE-A1VKG220
	33	D	P947-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1VKG330
	47	D	P948-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1VKG470
50	0.1	A	P925-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG0R1
	0.15	A	P926-ND	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKGR15
	0.22	A	P927-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKGR22
	0.33	A	P928-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKGR33
	0.47	A	P929-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKGR47
	0.68	A	P930-ND	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKGR68
	1	A	P931-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG010
	1.5	A	P932-ND	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG1R5
	2.2	A	P933-ND*	.18	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG2R2
	3.3	A	P934-ND*	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG3R3
	4.7	A	P935-ND*	.19	.91	6.41	22.14	35.00	30.00/M	ECE-A1HKG4R7
	6.8	B	P936-ND	.21	1.02	7.21	24.89	39.00	34.00/M	ECE-A1HKG6R8
	10	C	P937-ND*	.25	1.25	8.83	30.50	48.00	42.00/M	ECE-A1HKG100
	15	C	P938-ND	.26	1.25	8.83	30.50	48.00	42.00/M	ECE-A1HKG150
	22	D	P939-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1HKG220
	33	D	P940-ND	.40	1.94	13.85	49.86	78.00	72.00/M	ECE-A1HKG330

* P900-KIT-ND *Digi-Key® KG-Series Capacitors Kit* 10 each of parts indicated. (180 pieces total) Notebook style storage case $34.95

The KG-Series is a tantalum substitute for many applications.

Features: • Height is 7mm • Anti-solvent in Freon

Operating Temperature Range: –55°C – 105°C

Capacitance Tolerance: ±20% at 120Hz, 20°C

DC Leakage Current: I≤0.01CV or 3[µA] after 2 minutes (which is greater)

tan δ (120Hz/120°C):

W.V.	6.3	10	16	25	35	5
tan δ (Maximum)	0.22	0.19	0.16	0.14	0.12	0.

Low Temperature Impedance Stability at 120Hz:

W.V.	6.3	10	16	25	35	
Z(-25°C)/Z(20°C)	3	2	2	2	2	
Z(-40°C)/Z(20°C)	6	5	3	3	3	
Z(-55°C)/Z(20°C)	8	6	4	4	4	

Load Life:
After 1,000 hours application of DC rated working voltage at 105°C capacitor shall meet the following limits.

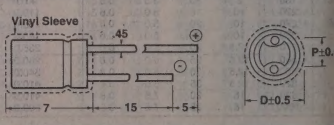
Capacitance change: < ±20% of the initial measured value.

tan δ:
< 200% of the initial specified value.

DC leakage current: < the initial specified value.

Anti-solvent:
Can withstand circuit-board cleaning within 5 minutes in Freon TE, TE TP-35 at 40°C by dipping, steaming, or ultrasonic.

Size Code	Dimensions: (mm) Body Diameter D	Lead Space P
A	4	1.5
B	5	2
C	6.3	2.5
D	8	3.5



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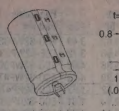
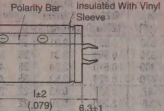
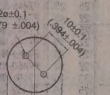




rating Temperature:

U Series: (63 ~ 250V/ -40 ~ +85°C)
UP Series: (16 ~ 250V/ -40 ~ +85°C)
(350 ~ 500V/ -25 ~ +85°C)
UQ Series: (160 ~ 250V/ -40 ~ +85°C)
(350 ~ 450V/ -25 ~ +85°C)
NH Series: (16 ~ 250V/ -40 ~ +105°C)
HA Series: (16 ~ 250V/ -40 ~ +105°C)
(400V/ -25 ~ +105°C)



acitance Tolerance (at 120Hz):

e:	TSU	TSUP	TSNH	TSHA	TSUQ
erance:	±20%	±20%	±20%	±20%	±20%

ge Voltage and Surge Voltage Test: The DC surge voltage is the maximum voltage to which the acitor should be subjected. The surge voltage listed below is applied in series with a 1,000Ω resistor at a e of 0.5 minutes "ON" and 4.5 minutes "OFF", repeated 1,000 times at 25°C.

ed DC Voltage:	16	25	35	50	63	80	100	160	200	250	350	400	420	450	500
ge Voltage:	20	32	44	63	79	100	125	200	250	300	400	450	470	500	550

Cap. (µF)	Max. ESR @20°C (120Hz)Ω	85° (rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
TSU General Purpose 85°C, 2000 Hour Life										
3300	—	2.4	25	40	P6492-ND	4.20	3.45	2.90	2.02	ECE-S1JU332M
470	—	1.7	25	40	P6542-ND	4.02	3.30	2.77	1.93	ECE-S2DU471M
680	—	2.15	30	50	P6553-ND	6.24	5.28	4.56	3.42	ECE-S2EU681U
TSUP Miniaturized Size General Purpose 85°C, 3000 Hour Life										
4700	0.159	1.77	22	25	P7600-ND	2.20	1.86	1.34	1.01	ECO-S1CP472BA
6800	0.110	2.57	22	25	P7601-ND	2.39	2.03	1.46	1.10	ECO-S1CP682BA
8200	0.091	3.10	22	25	P7602-ND	2.50	2.12	1.53	1.15	ECO-S1CP822BA
10000	0.075	3.78	25	25	P6861-ND	3.78	3.03	2.07	1.35	ECO-S1CP103CA
12000	0.062	4.52	25	25	P6863-ND	3.50	2.88	2.01	1.40	ECO-S1CP123CA
15000	0.053	5.26	25	30	P6865-ND	3.81	3.13	2.19	1.53	ECO-S1CP153CA
18000	0.046	5.57	22	40	P6866-ND	3.94	3.23	2.26	1.58	ECO-S1CP183BA
18000	0.046	5.57	25	30	P6867-ND	4.00	3.29	2.30	1.60	ECO-S1CP183CA
22000	0.038	6.10	22	45	P6868-ND	4.38	3.60	2.52	1.76	ECO-S1CP223BA
22000	0.038	6.10	30	30	P6869-ND	4.84	3.97	2.78	1.94	ECO-S1CP223DA
27000	0.031	6.31	25	45	P6870-ND	5.13	4.21	2.95	2.06	ECO-S1CP273CA
27000	0.031	6.31	30	35	P6871-ND	5.38	4.41	3.09	2.15	ECO-S1CP273DA
33000	0.025	6.84	25	50	P6872-ND	4.82	4.09	2.94	2.21	ECO-S1CP333CA
33000	0.025	6.84	35	30	P6873-ND	5.47	4.63	3.33	2.50	ECO-S1CP333EA
39000	0.021	6.94	30	45	P6874-ND	5.75	4.87	3.51	2.63	ECO-S1CP393DA
39000	0.021	6.94	35	35	P6875-ND	6.03	5.11	3.68	2.76	ECO-S1CP393EA
47000	0.019	7.47	30	50	P6876-ND	6.34	5.37	3.87	2.90	ECO-S1CP473DA
47000	0.021	7.47	35	40	P6877-ND	6.89	5.84	4.20	3.15	ECO-S1CP473EA
56000	0.019	8.73	35	45	P6878-ND	7.65	6.48	4.66	3.50	ECO-S1CP563EA
68000	0.018	9.05	35	50	P6879-ND	7.80	6.73	4.93	3.88	ECO-S1CP683EA
3300	0.161	1.68	22	25	P7603-ND	2.20	1.87	1.35	1.01	ECO-S1EP332BA
4700	0.113	2.39	22	25	P7604-ND	2.39	2.03	1.46	1.10	ECO-S1EP472BA
5600	0.095	3.36	20	30	P6881-ND	3.88	3.18	2.23	1.56	ECO-S1EP562AA
5600	0.095	2.86	22	25	P7605-ND	2.51	2.12	1.53	1.15	ECO-S1EP562BA
6800	0.078	3.47	20	35	P6882-ND	4.13	3.39	2.38	1.66	ECO-S1EP682AA
6800	0.078	3.47	25	25	P6883-ND	3.78	3.03	2.08	1.36	ECO-S1EP682CA
8200	0.065	3.57	25	25	P6885-ND	3.52	2.89	2.02	1.41	ECO-S1EP822CA
10000	0.058	3.78	22	35	P6886-ND	3.71	3.05	2.14	1.49	ECO-S1EP103BA
10000	0.058	3.78	30	25	P6887-ND	4.06	3.33	2.34	1.63	ECO-S1EP103DA
12000	0.048	4.10	22	40	P6888-ND	4.04	3.31	2.32	1.62	ECO-S1EP123BA
12000	0.048	4.10	30	30	P6889-ND	4.38	3.60	2.52	1.76	ECO-S1EP123DA
15000	0.039	4.63	22	50	P6890-ND	4.47	3.67	2.57	1.79	ECO-S1EP153BA
15000	0.039	4.63	30	30	P6891-ND	4.85	3.98	2.79	1.94	ECO-S1EP153DA
18000	0.035	5.47	25	45	P6892-ND	5.09	4.18	2.93	2.04	ECO-S1EP183CA
18000	0.035	5.47	30	35	P6893-ND	5.33	4.38	3.06	2.14	ECO-S1EP183DA
22000	0.029	6.10	25	50	P6894-ND	5.61	4.61	3.23	2.25	ECO-S1EP223CA
27000	0.023	6.21	30	45	P6896-ND	5.82	4.93	3.55	2.66	ECO-S1EP273DA
27000	0.025	6.21	35	35	P6897-ND	6.11	5.17	3.72	2.79	ECO-S1EP273EA
33000	0.020	6.84	30	50	P6898-ND	6.49	5.50	3.96	2.97	ECO-S1EP333DA
33000	0.020	6.84	35	40	P6899-ND	7.04	5.96	4.29	3.22	ECO-S1EP333EA
39000	0.019	7.36	35	45	P6900-ND	7.03	6.06	4.44	3.49	ECO-S1EP393EA
47000	0.017	8.00	35	50	P6901-ND	7.90	6.81	4.99	3.93	ECO-S1EP473EA
2200	0.166	1.52	22	25	P7606-ND	2.22	1.88	1.35	1.02	ECO-S1VP222BA
3300	0.111	2.29	22	25	P7607-ND	2.42	2.05	1.48	1.11	ECO-S1VP332BA
3900	0.094	2.94	20	30	P6903-ND	3.96	3.25	2.28	1.59	ECO-S1VP392AA
3900	0.094	2.71	22	25	P7608-ND	2.54	2.16	1.55	1.17	ECO-S1VP392BA
4700	0.078	3.26	25	25	P6905-ND	3.85	3.09	2.11	1.38	ECO-S1VP472CA
5600	0.080	3.36	25	25	P6907-ND	4.03	3.23	2.21	1.44	ECO-S1VP562CA
6800	0.066	3.68	22	35	P6908-ND	3.71	3.04	2.13	1.49	ECO-S1VP682BA
6800	0.066	3.68	25	30	P6909-ND	3.85	3.16	2.21	1.54	ECO-S1VP682CA
8200	0.057	4.00	22	40	P6910-ND	4.03	3.31	2.32	1.62	ECO-S1VP822BA
8200	0.057	4.00	25	35	P6911-ND	4.18	3.43	2.40	1.68	ECO-S1VP822CA
10000	0.050	4.42	22	45	P6913-ND	4.48	3.67	2.57	1.79	ECO-S1VP103BA
10000	0.050	4.42	25	35	P6914-ND	5.33	4.37	3.06	2.13	ECO-S1VP103EA
12000	0.044	5.05	25	45	P6915-ND	5.15	4.22	2.96	2.06	ECO-S1VP123CA
12000	0.044	5.05	35	30	P6916-ND	5.79	4.75	3.33	2.32	ECO-S1VP123EA
15000	0.036	5.57	25	50	P6917-ND	5.60	4.59	3.22	2.24	ECO-S1VP153CA
15000	0.036	5.57	35	30	P6918-ND	5.55	4.70	3.38	2.54	ECO-S1VP153EA

CROSS REFERENCES

PANASONIC TSU
Elna: LP; **Marcon:** FTW/FHW; **Nichicon:** UB/PS; **Rubycon:** LP/RP; **Sprague:** 80D; **UCC:** NMA.

PANASONIC TSNH
Elna: LPS/LPJ; **Marcon:** FTU/FHU; **Nichicon:** GH/GU/GM; **Rubycon:** XLP/XRP; **Sprague:** 81D; **UCC:** KM.

PANASONIC TSUP
Matsushita: TSUP; **Nichichemi:** SMH; **Nichicon:** LQ; **Rubycon:** USP; **Marcon:** DMF & DFHW; **UCC:** SMH; **Sprague:** 82D; **ICI:** LPR/LUG; **Mepco:** 3487.

PANASONIC TSHA
Matsushita: TSHA; **Nichichemi:** KMH; **Nichicon:** GQ; **Rubycon:** MXP; **Marcon:** DUF & DEFHU; **UCC:** KMH; **Sprague:** 81D; **Mepco:** 3488.

After the test, the capacitor shall meet the following limits: Capacitance change of ±20% of initial measured value, DC leakage current less than initial limits, and D.F. less than 150% of initial limits.

Ripple Voltage: The sum of the DC voltage plus the AC peak ripple voltage shall not exceed the rated DC voltage, and there shall be no application of reversed voltage.

Ripple Current (mA):

Frequency (Hz):	50Hz	60Hz	120Hz	500Hz	1KHz	10 ~ 50KHz
16V ~ 100V:	0.93	0.95	1.0	1.05	1.06	1.15
160V ~ 500V:	0.75	0.8	1.0	1.2	1.25	1.4

D.C. Leakage Current:
Measurements shall be made at rated working voltage at 20°C. The voltage shall be applied to the capacitor for a minimum period of 5 minutes before reading the leakage current. Maximum leakage current shall not exceed the value given by the following formula: 16 ~ 100V: In case of C X V = 100,000µFV I = 0.01CVµA maximum in case of C X V = 100,000µFV I = 3 √ C x VµA maximum 160 ~ 450V: I = 3 √ C x VµA maximum where I = leakage current in mA, C = rated capacitance in µF V = DC rated WV in volts.

Load Life Test:
The capacitor shall be subjected to application of the DC rated voltage with full rated ripple current in the specified ambient temperature for the specified life period. The capacitor shall then be removed from the test chamber and stabilized at room temperature. After reaching temperature stability, the capacitor shall not exceed the following specified values listed: Capacitance change within ±20% of the initial measured value, DC leakage current ≤5 initial limits, and D.F. 150% of the initial limits.

W.V. DC	Cap. (µF)	Max. ESR @20°C (120Hz)Ω	85° (rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
35	18000	0.030	5.68	30	45	P6919-ND	5.90	5.00	3.60	2.70	ECO-S1VP183DA
	18000	0.030	5.68	35	35	P6920-ND	6.19	5.24	3.77	2.83	ECO-S1VP183EA
	22000	0.026	6.10	30	50	P6921-ND	6.39	5.41	3.90	2.92	ECO-S1VP223DA
	22000	0.026	6.10	35	40	P6922-ND	6.93	5.87	4.22	3.17	ECO-S1VP223EA
	27000	0.021	6.84	35	45	P6923-ND	7.09	6.12	4.48	3.53	ECO-S1VP273EA
	33000	0.018	7.15	35	50	P6924-ND	8.05	6.94	5.09	4.00	ECO-S1VP333EA
50	1500	0.221	1.24	22	25	P7609-ND	2.28	1.93	1.39	1.05	ECO-S1HP152BA
	2200	0.151	1.82	22	25	P7610-ND	2.45	1.90	1.50	1.12	ECO-S1HP222BA
	2700	0.123	2.23	22	25	P7611-ND	2.62	2.22	1.60	1.20	ECO-S1HP272BA
	3300	0.100	2.73	20	35	P6927-ND	4.37	3.58	2.51	1.75	ECO-S1HP332AA
	3300	0.100	2.73	25	25	P6928-ND	3.48	2.85	2.00	1.39	ECO-S1HP332CA
	3900	0.085	2.75	20	40	P6929-ND	4.66	3.82	2.68	1.87	ECO-S1HP392AA
	3900	0.085	2.75	25	25	P6930-ND	3.68	3.02	2.12	1.48	ECO-S1HP392CA
	4700	0.071	3.03	22	35	P6931-ND	3.90	3.20	2.24	1.56	ECO-S1HP472BA
	4700	0.071	3.03	30	25	P6932-ND	4.28	3.51	2.46	1.71	ECO-S1HP472DA
	5600	0.059	3.42	22	40	P6933-ND	4.24	3.48	2.44	1.70	ECO-S1HP562BA
	5600	0.059	3.42	30	30	P6934-ND	4.63	3.80	2.66	1.85	ECO-S1HP562DA
	6800	0.049	3.85	22	50	P6935-ND	4.70	3.86	2.70	1.89	ECO-S1HP682BA
	6800	0.049	3.85	30	30	P6936-ND	5.07	4.16	2.92	2.03	ECO-S1HP682DA
	8200	0.040	4.41	25	45	P6937-ND	5.37	4.41	3.09	2.15	ECO-S1HP822CA
	8200	0.040	4.41	30	35	P6938-ND	5.62	4.61	3.23	2.25	ECO-S1HP822DA
	10000	0.036	4.97	25	50	P6939-ND	5.01	4.25	3.06	2.29	ECO-S1HP103CA
	10000	0.036	4.97	35	30	P6940-ND	5.71	4.83	3.48	2.61	ECO-S1HP103EA
	12000	0.032	5.58	30	45	P6941-ND	6.10	5.16	3.72	2.79	ECO-S1HP123DA
	12000	0.032	5.58	35	35	P6942-ND	6.38	5.40	3.89	2.92	ECO-S1HP123EA
	15000	0.028	6.44	30	50	P6943-ND	6.51	5.51	3.97	2.98	ECO-S1HP153DA
	15000	0.028	6.44	35	40	P6944-ND	7.41	6.27	4.52	3.39	ECO-S1HP153EA
	18000	0.023	6.94	35	45	P6945-ND	7.51	6.48	4.75	3.73	ECO-S1HP183EA
	22000	0.021	7.57	35	50	P6946-ND	8.21	7.08	5.19	4.08	ECO-S1HP223EA
80	680	0.390	1.02	22	25	P7357-ND	2.24	1.90	1.37	1.03	ECO-S1KP681BA
	1000	0.265	1.51	22	25	P7358-ND	2.46	2.09	1.50	1.13	ECO-S1KP102BA
	1200	0.221	1.81	22	25	P7359-ND	2.55	2.16	1.56	1.17	ECO-S1KP122BA
	1500	0.177	2.26	22	30	P7360-ND	2.82	2.39	1.72	1.29	ECO-S1KP152BA
	1500	0.177	2.26	25	25	P7361-ND	2.90	2.46	1.77	1.33	ECO-S1KP152CA
	1800	0.147	2.52	22	35	P7362-ND	3.04	2.58	1.86	1.39	ECO-S1KP182BA
	1800	0.147	2.52	25	30	P7363-ND	3.10	2.63	1.89	1.42	ECO-S1KP182CA
	2200	0.121	2.73	22	40	P7364-ND	3.31	2.81	2.02	1.52	ECO-S1KP222BA
	2200	0.121	2.73	30	25	P7365-ND	3.60	3.05	2.20	1.65	ECO-S1KP222DA
	2700	0.098	2.78	22	45	P7366-ND	3.68	3.12	2.25	1.69	ECO-S1KP272BA
	2700	0.098	2.78	30	30	P7367-ND	3.94	3.34	2.40	1.80	ECO-S1KP272DA
	3300	0.085	3.21	22	50	P7368-ND	3.95	3.34	2.41	1.81	ECO-S1KP332BA
	3300	0.085	3.21	30	30	P7369-ND	4.27	3.62	2.61	1.96	ECO-S1KP332DA
	3900	0.077	3.59	25	45	P7370-ND	4.47	3.79	2.73	2.05	ECO-S1KP392CA
	3900	0.077	3.59	30	35	P7371-ND	4.76	4.04	2.91	2.18	ECO-S1KP392DA
	4700	0.063	4.09	25	50	P7372-ND	4.88	4.13	2.98	2.23	ECO-S1KP472CA
	4700	0.063	4.09	30	40	P7373-ND	5.21	4.41	3.18	2.38	ECO-S1KP472DA
	5600	0.056	4.55	30	45	P7374-ND	5.85	4.95	3.57	2.68	ECO-S1KP562DA
	5600	0.056	4.55	35	35	P7375-ND	6.14	5.20	3.75	2.81	ECO-S1KP562EA
	6800	0.046	5.16	30	50	P7376-ND	6.48	5.49	3.95	2.96	ECO-S1KP682DA
	6800	0.046	5.16	35	40	P7377-ND	7.06	5.98	4.31	3.23	ECO-S1KP682EA
	8200	0.038	5.83	35	50	P7378-ND	7.97	6.75	4.86	3.65	ECO-S1KP822EA
100	470	0.459	1.11	22	25	P7379-ND	2.31	1.96	1.41	1.06	ECO-S2AP471BA
	560	0.385	1.32	22	25	P7380-ND	2.41	2.05	1.48	1.11	ECO-S2AP561BA
	680	0.317	1.61	22	25	P7381-ND	2.56	2.17	1.56	1.17	ECO-S2AP681BA
	1000	0.216	1.96	25	25	P6948-ND	3.50	2.88	2.01	1.40	ECO-S2AP102CA
	1200	0.180	2.31	20	40	P6949-ND	4.71	3.87	2.71	1.89	ECO-S2AP122AA
	1200	0.180	2.31	25	30	P6990-ND	3.73	3.06	2.15	1.50	ECO-S2AP122CA
	1500	0.155	2.57	22	40	P6991-ND	4.05	3.32	2.33	1.62	ECO-S2AP152BA
	1500	0.155	2.57	30	25	P6992-ND	4.35	3.57	2.50	1.74	ECO-S2AP152DA
	1800	0.129	2.84	22	45	P6993-ND	4.47	3.67	2.57	1.79	ECO-S2AP182BA
	1800	0.138	2.84	30	30	P6101-ND	4.71	3.87	2.71	1.89	ECO-S2AP182DA
	2200	0.121	3.14	22	50	P6102-ND	4.89	4.01	2.81	1.96	ECO-S2AP222BA
	2200	0.121	3.14	30	30	P6103-ND	4.45	3.77	2.71	2.04	ECO-S2AP222DA
	2700	0.104	3.71	25	45	P6104-ND	4.91	4.16	3.00	2.25	ECO-S2AP272CA
	2700	0.104	3.71	30	35	P6105-ND	5.00	4.24	3.05	2.29	ECO-S2AP272DA

(Continued)

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W.V. DC	Cap. (µF)	Max. ESR @20°C (120Hz)Ω	85°(rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
	3300	0.090	4.06	25	50	P6106-ND	5.44	4.61	3.32	2.49	ECO-S2AP332CA
	3300	0.090	4.06	30	40	P6107-ND	5.73	4.85	3.49	2.62	ECO-S2AP332DA
	3900	0.077	4.54	30	45	P6108-ND	6.36	5.39	3.88	2.91	ECO-S2AP392DA
100	3900	0.081	4.54	35	35	P6109-ND	6.74	5.70	4.11	3.08	ECO-S2AP392EA
	4700	0.071	5.13	30	50	P6110-ND	6.44	5.56	4.07	3.20	ECO-S2AP472DA
	4700	0.071	5.13	35	40	P6111-ND	6.99	6.03	4.42	3.48	ECO-S2AP472EA
	5600	0.059	5.75	35	45	P6112-ND	7.83	6.76	4.95	3.89	ECO-S2AP562EA
	6800	0.049	6.60	35	50	P6113-ND	7.92	6.98	5.22	4.33	ECO-S2AP682EA
	150	1.216	0.71	22	25	P7382-ND	2.19	1.86	1.34	1.01	ECO-S2DP151BA
	220	0.829	1.04	22	25	P7383-ND	2.37	2.01	1.45	1.09	ECO-S2DP221BA
	270	0.614	1.41	22	25	P6115-ND	3.39	2.72	1.86	1.22	ECO-S2DP271BA
	330	—	1.56	25	25	P6117-ND	3.25	2.67	1.87	1.30	ECO-S2DP331CA
	390	0.468	1.68	22	30	P6118-ND	3.31	2.72	1.91	1.33	ECO-S2DP391BA
	390	0.468	1.68	25	25	P6119-ND	3.44	2.82	1.98	1.38	ECO-S2DP391CA
	470	0.388	1.85	22	30	P6120-ND	3.59	2.95	2.07	1.44	ECO-S2DP471BA
	470	—	1.85	30	25	P6121-ND	4.11	3.37	2.36	1.65	ECO-S2DP471DA
	560	0.326	2.43	22	40	P6122-ND	3.77	3.10	2.17	1.51	ECO-S2DP561BA
	560	0.326	2.43	30	25	P6123-ND	4.43	3.63	2.55	1.77	ECO-S2DP561DA
	680	0.268	2.68	22	45	P6124-ND	4.13	3.39	2.37	1.65	ECO-S2DP681BA
	680	0.268	2.68	30	30	P6125-ND	4.79	3.93	2.75	1.92	ECO-S2DP681DA
	820	0.222	2.93	25	45	P6126-ND	4.69	3.85	2.70	1.88	ECO-S2DP821CA
	820	0.222	2.93	35	25	P6127-ND	5.66	4.64	3.25	2.27	ECO-S2DP821EA
200	1000	0.199	3.25	25	45	P7384-ND	4.35	3.68	2.65	1.99	ECO-S2DP102DX
	1000	0.199	3.25	25	50	P6128-ND	5.28	4.33	3.03	2.76	ECO-S2DP102DA
	1000	0.199	3.25	35	30	P6129-ND	5.37	4.55	3.27	2.46	ECO-S2DP102EA
	1200	0.166	3.50	30	40	P7385-ND	5.44	4.60	3.31	2.49	ECO-S2DP122DX
	1200	0.166	3.50	30	45	P6130-ND	5.58	4.73	3.40	2.55	ECO-S2DP122DA
	1200	0.166	3.50	35	30	P7386-ND	5.62	4.93	3.55	2.66	ECO-S2DP122EX
	1200	0.166	3.50	35	35	P6131-ND	5.97	5.06	3.64	2.73	ECO-S2DP122EA
	1500	0.144	3.87	30	45	P7387-ND	6.30	5.33	3.84	2.88	ECO-S2DP152DX
	1500	0.144	3.87	30	50	P6132-ND	6.55	5.54	3.99	2.99	ECO-S2DP152DA
	1500	0.144	3.87	35	35	P7388-ND	6.68	5.65	4.07	3.05	ECO-S2DP152EX
	1500	0.144	3.87	35	40	P6133-ND	6.93	5.87	4.22	3.17	ECO-S2DP152EA
	1800	0.120	4.32	35	40	P7389-ND	7.60	6.43	4.63	3.47	ECO-S2DP182EX
	1800	0.120	4.32	35	45	P6134-ND	6.94	5.98	4.38	3.45	ECO-S2DP182EA
	2200	0.098	4.92	35	45	P7390-ND	8.60	7.28	5.24	3.93	ECO-S2DP222EX
	2200	0.098	4.92	35	50	P6135-ND	7.97	6.87	5.04	3.96	ECO-S2DP222EA
	120	1.520	0.71	22	25	P7391-ND	2.34	1.99	1.43	1.08	ECO-S2EP121BA
	150	1.216	0.89	22	25	P7392-ND	2.47	2.05	1.51	1.13	ECO-S2EP151BA
	180	0.921	1.07	20	30	P7393-ND	3.37	2.86	2.06	1.55	ECO-S2EP181AA
	180	0.921	1.07	22	25	P7394-ND	2.62	2.22	1.60	1.20	ECO-S2EP181BA
	220	0.754	1.17	22	25	P7395-ND	2.76	2.34	1.69	1.27	ECO-S2EP221BX
	270	0.614	1.31	22	30	P7396-ND	2.97	2.52	1.82	1.36	ECO-S2EP271BA
	270	0.614	1.31	25	25	P7397-ND	3.09	2.62	1.89	1.42	ECO-S2EP271CA
	330	0.553	1.75	22	35	P7398-ND	3.27	2.77	2.00	1.50	ECO-S2EP331BA
	330	0.502	1.75	25	30	P7399-ND	3.34	2.83	2.04	1.53	ECO-S2EP331CA
	390	0.468	1.91	22	40	P7400-ND	3.49	2.96	2.13	1.60	ECO-S2EP391BA
	390	0.425	1.91	30	25	P7401-ND	3.60	3.22	2.32	1.74	ECO-S2EP391DA
250	470	0.388	2.11	22	45	P7402-ND	3.85	3.26	2.35	1.76	ECO-S2EP471BA
	470	0.353	2.11	30	25	P7403-ND	4.16	3.52	2.54	1.90	ECO-S2EP471DX
	560	0.326	2.25	25	40	P7404-ND	4.33	3.67	2.64	1.98	ECO-S2EP561CX
	560	0.326	2.25	35	25	P7405-ND	4.91	4.16	3.00	2.25	ECO-S2EP561EA
	680	0.268	2.50	25	45	P7406-ND	4.80	4.06	2.93	2.20	ECO-S2EP681CX
	680	0.268	2.50	35	30	P7407-ND	5.43	4.60	3.31	2.49	ECO-S2EP681EA
	820	0.222	2.50	30	40	P7408-ND	5.67	4.80	3.46	2.60	ECO-S2EP821DX
	820	0.222	2.77	35	30	P7409-ND	6.08	5.12	3.69	2.77	ECO-S2EP821EX
	1800	0.182	3.32	30	45	P7410-ND	6.45	5.46	3.93	2.95	ECO-S2EP102DX
	1000	0.199	3.32	35	35	P7411-ND	6.95	5.80	4.18	3.13	ECO-S2EP102EX
	1200	0.166	3.53	35	40	P7412-ND	7.80	6.60	4.75	3.57	ECO-S2EP122EX
	1500	0.133	4.04	35	50	P7413-ND	9.05	7.66	5.51	4.14	ECO-S2EP152EA
	47	3.527	0.47	22	25	P7414-ND	2.64	2.24	1.61	1.21	ECO-S2GP470BA
	68	—	0.76	20	30	P6136-ND	3.95	3.24	2.27	1.58	ECO-S2GP680AA
	68	2.438	0.69	22	25	P6137-ND	3.58	2.87	1.97	1.28	ECO-S2GP680BA
	82	2.022	0.83	22	25	P6139-ND	3.30	2.71	1.90	1.30	ECO-S2GP820BA
	100	1.658	0.92	25	25	P6141-ND	3.60	2.96	2.07	1.44	ECO-S2GP101CA
	120	1.382	1.02	20	40	P6142-ND	4.81	3.95	2.76	1.93	ECO-S2GP121AA
	120	1.382	1.02	25	25	P7415-ND	3.30	2.79	2.01	1.51	ECO-S2GP121CX
	120	—	1.02	25	30	P6143-ND	3.84	3.15	2.21	1.54	ECO-S2GP121CA
	150	1.105	1.16	22	40	P6144-ND	4.22	3.47	2.43	1.69	ECO-S2GP151BA
	150	1.105	1.16	30	25	P6145-ND	4.51	3.70	2.59	1.81	ECO-S2GP151DA
	180	0.921	1.44	22	45	P6146-ND	4.63	3.80	2.66	1.86	ECO-S2GP181BA
	180	—	1.44	30	30	P6147-ND	4.90	4.02	2.82	1.97	ECO-S2GP181DA
400	220	0.754	1.49	22	50	P6148-ND	5.23	4.29	3.01	2.09	ECO-S2GP221BA
	220	0.754	1.49	30	30	P6149-ND	5.43	4.46	3.12	2.18	ECO-S2GP221DA
	270	0.675	1.67	25	45	P6150-ND	5.02	4.25	3.06	2.30	ECO-S2GP271CA
	270	0.675	1.67	35	30	P6151-ND	5.58	4.72	3.40	2.55	ECO-S2GP271EA
	330	0.553	1.90	30	40	P6152-ND	5.93	5.03	3.62	2.72	ECO-S2GP331DA
	330	0.553	1.90	35	30	P7416-ND	6.25	5.29	3.81	2.86	ECO-S2GP331EX
	330	0.553	1.90	35	35	P6153-ND	6.25	5.30	3.81	2.86	ECO-S2GP331EA
	390	0.468	2.13	30	45	P6154-ND	6.57	5.57	4.01	3.01	ECO-S2GP391DA
	390	0.468	2.13	35	35	P7417-ND	6.95	5.88	4.23	3.18	ECO-S2GP391EX
	390	0.468	2.13	35	40	P6155-ND	7.07	5.99	4.31	3.23	ECO-S2GP391EA
	470	0.388	2.39	35	40	P7418-ND	7.98	6.75	4.86	3.65	ECO-S2GP471EX
	470	0.388	2.39	35	45	P6156-ND	7.09	6.12	4.48	3.53	ECO-S2GP471EA
	560	0.326	2.69	35	45	P7419-ND	8.88	7.52	5.41	4.06	ECO-S2GP561EX
	560	0.326	2.69	35	50	P6157-ND	8.23	7.10	5.20	4.09	ECO-S2GP561EA
	680	0.268	3.00	35	50	P7420-ND	10.60	8.97	6.46	4.85	ECO-S2GP681EX
	33	6.028	0.41	22	25	P7421-ND	2.42	2.05	1.48	1.11	ECO-S2WP330AA
	47	4.233	0.59	22	25	P7422-ND	2.64	2.24	1.61	1.21	ECO-S2WP470BA
	56	2.960	0.70	20	30	P7423-ND	3.51	2.98	2.14	1.61	ECO-S2WP560AA
	56	2.960	0.70	22	25	P7424-ND	2.79	2.36	1.70	1.28	ECO-S2WP560BA
	82	2.022	0.83	22	30	P7425-ND	3.25	2.75	1.98	1.49	ECO-S2WP820BA
	82	2.022	0.83	25	25	P7426-ND	3.27	2.77	2.00	1.50	ECO-S2WP820CA
	100	1.658	0.93	22	35	P7427-ND	3.59	3.04	2.19	1.64	ECO-S2WP101BA
	120	1.382	1.04	22	40	P7428-ND	3.92	3.32	2.39	1.79	ECO-S2WP121BA
450	120	1.382	1.04	30	25	P7429-ND	4.16	3.52	2.54	1.90	ECO-S2WP121DA
	150	1.105	1.19	22	50	P7430-ND	4.38	3.71	2.67	2.01	ECO-S2WP151BA
	150	1.105	1.19	30	30	P7431-ND	4.55	3.85	2.78	2.08	ECO-S2WP151DA
	180	0.921	1.35	25	40	P7432-ND	4.90	4.15	2.99	2.24	ECO-S2WP181CX
	180	0.921	1.35	35	25	P7433-ND	5.57	4.72	3.40	2.55	ECO-S2WP181EA
	220	0.754	1.55	25	45	P7434-ND	5.55	4.70	3.39	2.54	ECO-S2WP221CX
	220	0.754	1.55	35	30	P7435-ND	6.05	5.13	3.69	2.77	ECO-S2WP221EA
	270	0.675	1.78	30	45	P7436-ND	6.50	5.50	3.96	2.97	ECO-S2WP271DA
	270	0.614	1.78	35	30	P7437-ND	6.93	5.87	4.22	3.17	ECO-S2WP271EX

W.V. DC	Cap. (µF)	Max. ESR @20°C (120Hz)Ω	85°(rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
	330	0.553	2.01	30	50	P7438-ND	7.58	6.41	4.62	3.46	ECO-S2WP337
450	330	0.553	2.01	35	35	P7439-ND	8.13	6.88	4.96	3.72	ECE-S2WP331
	390	0.510	2.24	35	45	P7440-ND	8.79	7.44	5.36	4.02	ECO-S2WP39
	470	0.423	2.53	35	45	P7441-ND	10.48	8.87	6.39	4.79	ECO-S2WP47
	47	3.527	0.63	22	25	P7442-ND	3.32	2.81	2.02	1.52	ECO-S2HP470
	56	2.960	0.70	22	30	P7443-ND	3.51	2.98	2.14	1.61	ECO-S2HP560
	68	2.438	0.78	22	35	P7444-ND	3.87	3.28	2.36	1.77	ECO-S2HP680
	68	2.438	0.78	25	25	P7445-ND	3.91	3.32	2.39	1.79	ECO-S2HP680
	82	2.022	0.88	22	40	P7446-ND	4.21	3.57	2.57	1.93	ECO-S2HP820
	82	2.022	0.88	25	30	P7447-ND	4.22	3.58	2.58	1.93	ECO-S2HP820
	100	1.658	0.99	22	45	P7448-ND	4.66	3.95	2.85	2.14	ECO-S2HP101
	100	1.658	0.99	25	35	P7449-ND	4.68	3.97	2.86	2.14	ECO-S2HP101
500	120	1.382	1.13	22	50	P7450-ND	5.23	4.43	3.19	2.39	ECO-S2HP121
	120	1.382	1.13	30	30	P7451-ND	5.39	4.57	3.29	2.47	ECO-S2HP121
	150	1.105	1.29	25	45	P7452-ND	5.96	5.05	3.63	2.73	ECO-S2HP151
	150	1.105	1.29	35	25	P7453-ND	6.60	5.59	4.02	3.02	ECO-S2HP151
	180	0.921	1.38	25	50	P7454-ND	6.81	5.76	4.15	3.11	ECO-S2HP181
	180	0.921	1.36	35	30	P7455-ND	7.28	6.16	4.44	3.33	ECO-S2HP181
	220	0.754	1.50	30	45	P7456-ND	7.91	6.70	4.82	3.62	ECO-S2HP221
	220	0.754	1.54	35	35	P7457-ND	8.28	7.01	5.05	3.79	ECO-S2HP221
	270	0.614	1.76	35	40	P7458-ND	9.57	8.10	5.83	4.38	ECO-S2HP271
	330	0.502	1.99	35	45	P7459-ND	11.06	9.36	6.74	5.06	ECO-S2HP331
	390	0.425	2.22	35	50	P7460-ND	12.75	10.79	7.77	5.83	ECO-S2HP391

TSUQ Highly Miniaturized Version 85°C, 2000 Hour Life

	560	0.355	2.25	22	25	P11839-ND	3.18	2.55	2.10	1.37	EET-UQ2C561
	680	0.293	2.50	22	30	P11840-ND	3.42	2.74	2.25	1.47	EET-UQ2C681
	820	0.243	2.75	22	35	P11841-ND	3.25	2.66	2.24	1.56	EET-UQ2C821
	1000	0.199	3.00	22	40	P11821-ND	3.55	2.91	2.45	1.71	EET-UQ2C102
	1000	0.199	3.00	25	30	P11822-ND	3.61	2.96	2.49	1.73	EET-UQ2C102
	1000	0.199	3.25	22	45	P11823-ND	3.92	3.22	2.71	1.89	EET-UQ2C102
	1200	0.166	3.25	25	35	P11824-ND	3.95	3.24	2.72	1.90	EET-UQ2C122
	1200	0.166	3.25	30	25	P11825-ND	4.66	3.83	3.22	2.24	EET-UQ2C122
	1500	0.133	3.73	22	50	P11826-ND	4.48	3.68	3.09	2.15	EET-UQ2C152
	1500	0.133	3.73	25	40	P11827-ND	4.78	3.92	3.29	2.30	EET-UQ2C152
160	1500	0.133	3.73	30	30	P11828-ND	5.16	4.24	3.56	2.48	EET-UQ2C152
	1800	0.133	3.73	35	25	P11829-ND	5.54	4.54	3.82	2.66	EET-UQ2C152
	1800	0.111	4.20	25	45	P11830-ND	5.01	4.11	3.45	2.40	EET-UQ2C182
	1800	0.120	4.20	30	35	P11831-ND	5.69	4.67	3.92	2.73	EET-UQ2C182
	1800	0.111	4.20	35	30	P11832-ND	6.06	4.97	4.18	2.91	EET-UQ2C182
	2200	0.090	4.78	30	40	P11833-ND	5.45	4.62	3.99	2.99	EET-UQ2C222
	2200	0.098	4.78	35	35	P11834-ND	5.80	4.91	4.25	3.19	EET-UQ2C222
	2700	0.074	5.45	30	45	P11835-ND	6.19	5.24	4.53	3.40	EET-UQ2C272
	2700	0.080	5.45	35	40	P11836-ND	6.59	5.58	4.82	3.61	EET-UQ2C272
	3300	0.070	5.75	35	45	P11837-ND	7.56	6.40	5.53	4.15	EET-UQ2C332
	3900	0.055	6.00	35	50	P11838-ND	7.75	6.56	5.67	4.62	EET-UQ2C392
	390	0.510	1.68	22	25	P11856-ND	3.10	2.48	2.04	1.33	EET-UQ2D391
	470	0.423	1.85	22	30	P11857-ND	3.34	2.68	2.20	1.44	EET-UQ2D471
	560	0.355	2.43	22	30	P11858-ND	3.11	2.56	2.15	1.50	EET-UQ2D561
	560	0.355	2.43	25	25	P11859-ND	3.18	2.61	2.19	1.53	EET-UQ2D561
	680	0.293	2.68	22	35	P11860-ND	3.40	2.79	2.35	1.64	EET-UQ2D681
	680	0.293	2.68	25	30	P11861-ND	3.45	2.83	2.38	1.66	EET-UQ2D681
	820	0.243	2.93	25	30	P11862-ND	3.75	3.08	2.59	1.80	EET-UQ2D821
	820	0.243	2.93	30	25	P11863-ND	4.48	3.68	3.09	2.15	EET-UQ2D821
	1000	0.199	3.25	22	45	P11842-ND	4.13	3.39	2.85	1.99	EET-UQ2D102
	1000	0.199	3.25	25	35	P11843-ND	4.16	3.41	2.87	2.00	EET-UQ2D102
200	1000	0.199	3.25	30	30	P11844-ND	4.66	3.83	3.22	2.24	EET-UQ2D102
	1000	0.232	3.25	35	25	P11845-ND	5.23	4.29	3.60	2.51	EET-UQ2D102
	1200	0.166	3.50	25	40	P11846-ND	4.64	3.81	3.20	2.23	EET-UQ2D122
	1200	0.166	3.50	30	30	P11847-ND	5.32	4.37	3.67	2.55	EET-UQ2D122
	1500	0.133	3.87	25	50	P11848-ND	5.40	4.43	3.72	2.59	EET-UQ2D152
	1500	0.144	3.87	30	35	P11849-ND	6.02	4.94	4.15	2.89	EET-UQ2D152
	1500	0.144	3.87	35	30	P11850-ND	5.49	4.65	4.02	3.02	EET-UQ2D152
	1800	0.120	4.32	30	45	P11851-ND	5.74	4.86	4.20	3.15	EET-UQ2D182
	1800	0.120	4.32	35	35	P11852-ND	6.14	5.20	4.49	3.37	EET-UQ2D182
	2200	0.098	4.92	30	50	P11853-ND	6.61	5.60	4.84	3.63	EET-UQ2D222
	2200	0.105	4.92	35	40	P11854-ND	7.05	5.95	5.14	3.86	EET-UQ2D222
	2700	0.086	5.54	35	50	P11855-ND	8.12	6.88	5.94	4.46	EET-UQ2D272
	270	0.737	1.31	22	25	P11872-ND	3.17	2.54	2.09	1.36	EET-UQ2E271
	330	0.603	1.75	22	30	P11873-ND	3.42	2.74	2.25	1.47	EET-UQ2E331
	390	0.510	1.91	22	30	P11874-ND	3.20	2.62	2.21	1.54	EET-UQ2E391
	390	0.510	1.91	25	25	P11875-ND	3.25	2.67	2.24	1.56	EET-UQ2E391
	470	0.423	2.11	22	35	P11876-ND	3.49	2.86	2.41	1.68	EET-UQ2E471
	470	0.423	2.11	25	30	P11877-ND	3.53	2.90	2.43	1.70	EET-UQ2E471
	560	0.355	2.25	22	40	P11878-ND	3.81	3.13	2.63	1.83	EET-UQ2E561
	560	0.355	2.25	25	30	P11879-ND	3.87	3.17	2.67	1.86	EET-UQ2E561
	560	0.355	2.25	30	25	P11880-ND	4.36	3.58	3.01	2.09	EET-UQ2E561
	680	0.293	2.30	30	25	P11319-ND	4.70	4.07	3.44	2.58	EET-UQ2E681
	680	0.293	2.50	22	45	P11881-ND	4.24	3.48	2.92	2.04	EET-UQ2E681
250	680	0.293	2.50	25	35	P11882-ND	4.28	3.51	2.95	2.06	EET-UQ2E681
	680	0.293	2.50	30	30	P11883-ND	4.97	4.07	3.42	2.39	EET-UQ2E681
	820	0.243	2.77	22	50	P11884-ND	4.79	3.93	3.30	2.30	EET-UQ2E821
	820	0.243	2.77	25	40	P11885-ND	4.78	3.92	3.29	2.30	EET-UQ2E821
	820	0.243	2.77	30	30	P11886-ND	5.27	4.32	3.63	2.53	EET-UQ2E821
	820	0.243	2.77	35	25	P11887-ND	5.84	4.79	4.03	2.81	EET-UQ2E821
	1000	0.199	3.32	25	45	P11864-ND	5.42	4.45	3.74	2.60	EET-UQ2E102
	1000	0.199	3.32	30	35	P11865-ND	5.89	4.83	4.06	2.83	EET-UQ2E102
	1000	0.199	3.32	35	30	P11866-ND	5.53	4.68	4.04	3.03	EET-UQ2E102
	1200	0.166	3.53	30	40	P11867-ND	5.81	4.77	4.02	2.79	EET-UQ2E122
	1200	0.166	3.53	35	35	P11868-ND	6.19	5.24	4.53	3.40	EET-UQ2E122
	1500	0.133	4.04	30	50	P11869-ND	6.81	5.76	4.98	3.74	EET-UQ2E152
	1500	0.133	4.04	35	40	P11870-ND	7.12	6.03	5.21	3.91	EET-UQ2E152
	1800	0.111	4.55	35	45	P11871-ND	8.09	6.85	5.92	4.44	EET-UQ2E182
	150	1.326	1.12	22	25	P11912-ND	3.12	2.56	2.15	1.50	EET-UQ2V151
	180	1.105	1.22	22	30	P11913-ND	3.32	2.73	2.29	1.60	EET-UQ2V181
	220	0.904	1.44	22	35	P11914-ND	3.69	3.03	2.54	1.77	EET-UQ2V221
	270	0.737	1.66	22	40	P11915-ND	4.11	3.38	2.84	1.98	EET-UQ2V271
	270	0.737	1.66	25	30	P11916-ND	4.22	3.46	2.91	2.03	EET-UQ2V271
350	330	0.603	1.88	22	45	P11917-ND	4.61	3.78	3.18	2.21	EET-UQ2V331
	330	0.603	1.88	25	35	P11918-ND	4.72	3.87	3.26	2.27	EET-UQ2V331
	390	0.510	2.06	22	50	P11919-ND	5.28	4.33	3.64	2.54	EET-UQ2V391
	390	0.510	2.06	25	40	P11920-ND	5.26	4.32	3.63	2.53	EET-UQ2V391
	390	0.510	2.06	30	30	P11921-ND	5.86	4.81	4.04	2.82	EET-UQ2V391
	390	0.510	2.06	35	25	P11922-ND	5.35	4.53	3.91	2.80	EET-UQ2V391
	470	0.423	2.40	25	45	P11923-ND	5.93	4.87	4.09	2.85	EET-UQ2V471

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W.V. DC	Cap. (µF)	Max. ESR @20°C (120Hz)Ω	85° (rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
	470	0.423	2.40	30	35	P11924-ND	5.56	4.71	4.07	3.05	EET-UQ2V471DA
	470	0.423	2.40	35	30	P11925-ND	5.81	4.92	4.25	3.19	EET-UQ2V471EA
	560	0.355	2.60	25	50	P11926-ND	5.80	4.91	4.24	3.18	EET-UQ2V561CA
	560	0.355	2.60	30	40	P11927-ND	6.23	5.28	4.56	3.42	EET-UQ2V561DA
350	560	0.355	2.60	35	30	P11928-ND	6.57	5.57	4.81	3.61	EET-UQ2V561EA
	680	0.293	2.93	30	45	P11929-ND	7.11	6.02	5.20	3.90	EET-UQ2V681DA
	680	0.293	2.93	35	35	P11930-ND	7.48	6.33	5.47	4.10	EET-UQ2V681EA
	820	0.243	3.25	30	50	P11931-ND	8.33	7.06	6.09	4.57	EET-UQ2V821DA
	820	0.243	3.25	35	45	P11932-ND	8.38	7.09	6.13	4.60	EET-UQ2V821EA
	1000	0.199	3.54	35	50	P11911-ND	8.89	7.67	6.74	5.30	EET-UQ2V102EA
	120	1.658	1.02	22	25	P11888-ND	3.32	2.73	2.29	1.60	EET-UQ2G121BA
	150	1.326	1.16	22	30	P11889-ND	3.37	2.77	2.33	1.62	EET-UQ2G151BA
	180	1.105	1.30	22	30	P11320-ND	3.58	3.10	2.62	1.97	EET-UQ2G181BF
	180	1.105	1.44	22	35	P11890-ND	3.68	3.02	2.54	1.77	EET-UQ2G181BA
	220	0.904	1.40	22	35	P11321-ND	3.94	3.41	2.88	2.16	EET-UQ2G221BF
	220	0.904	1.49	22	40	P11891-ND	4.10	3.36	2.83	1.97	EET-UQ2G221BA
	220	0.904	1.49	25	30	P11892-ND	4.17	3.42	2.88	2.01	EET-UQ2G221CA
	270	0.737	1.67	22	45	P11893-ND	4.63	3.80	3.19	2.22	EET-UQ2G271BA
	270	0.737	1.67	25	35	P11894-ND	4.75	3.89	3.27	2.28	EET-UQ2G271CA
	270	0.737	1.67	30	30	P11895-ND	5.40	4.43	3.72	2.59	EET-UQ2G271DA
	330	0.603	1.90	22	50	P11896-ND	5.43	4.46	3.75	2.61	EET-UQ2G331BA
	330	0.603	1.90	25	40	P11897-ND	5.40	4.43	3.72	2.59	EET-UQ2G331CA
	330	0.603	1.90	30	30	P11898-ND	6.01	4.93	4.15	2.89	EET-UQ2G331DA
400	330	0.603	1.90	35	25	P11899-ND	5.53	4.68	4.04	3.03	EET-UQ2G331EA
	390	0.510	2.13	25	45	P11900-ND	6.03	4.95	4.16	2.90	EET-UQ2G391CA
	390	0.510	2.13	30	35	P11901-ND	5.65	4.79	4.14	3.10	EET-UQ2G391DA
	390	0.510	2.13	35	30	P11902-ND	5.95	5.04	4.35	3.27	EET-UQ2G391EA
	470	0.423	2.39	25	50	P11903-ND	6.19	5.24	4.53	3.40	EET-UQ2G471CA
	470	0.423	2.39	30	40	P11904-ND	6.20	5.25	4.54	3.40	EET-UQ2G471DA
	470	0.423	2.39	35	30	P11905-ND	6.79	5.75	4.97	3.73	EET-UQ2G471EA
	560	0.355	2.69	30	45	P11906-ND	7.15	6.05	5.23	3.92	EET-UQ2G561DA
	560	0.355	2.69	35	35	P11907-ND	7.66	6.49	5.60	4.20	EET-UQ2G561EA
	680	0.293	2.70	35	40	P13322-ND	8.88	7.69	6.49	4.87	EET-UQ2G681EF
	680	0.293	2.96	30	50	P11908-ND	7.68	6.62	5.82	4.58	EET-UQ2G681DA
	680	0.293	2.96	35	45	P11909-ND	7.72	6.65	5.85	4.60	EET-UQ2G681EA
	820	0.243	2.96	35	45	P13323-ND	10.32	8.93	7.54	5.66	EET-UQ2G821EF
	820	0.243	3.25	35	50	P11910-ND	8.94	7.71	6.78	5.33	EET-UQ2G821EA
	150	1.326	1.18	22	30	P13324-ND	3.49	3.03	2.56	1.92	EET-UQ2S151BA
	150	1.326	1.18	25	25	P13325-ND	3.55	3.08	2.60	1.95	EET-UQ2S151CA
	180	1.105	1.40	22	35	P13326-ND	3.80	3.29	2.78	2.09	EET-UQ2S181BA
	220	0.904	1.52	22	40	P13327-ND	4.19	3.63	3.07	2.30	EET-UQ2S221BA
	220	0.904	1.52	25	35	P13328-ND	4.30	3.72	3.14	2.36	EET-UQ2S221CA
	220	0.904	1.52	30	25	P13329-ND	4.81	4.17	3.52	2.64	EET-UQ2S221DA
	270	0.737	1.73	22	45	P13330-ND	4.73	4.10	3.46	2.60	EET-UQ2S271BA
	270	0.737	1.73	25	40	P13331-ND	4.77	4.14	3.49	2.62	EET-UQ2S271CA
420	330	0.603	1.95	25	45	P13332-ND	5.38	4.66	3.94	2.95	EET-UQ2S331CA
	330	0.603	1.95	30	30	P13333-ND	5.92	5.13	4.33	3.25	EET-UQ2S331DA
	390	0.510	2.17	25	50	P13334-ND	6.46	5.59	4.72	3.54	EET-UQ2S391CA
	390	0.510	2.17	30	35	P13335-ND	6.56	5.68	4.80	3.60	EET-UQ2S391DA
	390	0.510	2.17	35	30	P13336-ND	6.75	5.85	4.94	3.70	EET-UQ2S391EA
	470	0.423	2.44	30	40	P13337-ND	7.35	6.37	5.38	4.03	EET-UQ2S471DA
	470	0.423	2.44	35	35	P13338-ND	7.58	6.57	5.55	4.16	EET-UQ2S471EA
	560	0.355	2.74	30	45	P13339-ND	8.32	7.20	6.08	4.56	EET-UQ2S561DA
	560	0.355	2.74	35	40	P13340-ND	8.65	7.49	6.33	4.75	EET-UQ2S561EA
	680	0.293	3.11	35	45	P13341-ND	11.34	9.82	8.29	6.22	EET-UQ2S681EA
	82	2.426	0.83	22	25	P11955-ND	3.43	2.75	2.26	1.48	EET-UQ2W820BA
	100	1.989	0.93	22	25	P11933-ND	3.26	2.68	2.25	1.57	EET-UQ2W101BA
	120	1.658	1.04	22	30	P11934-ND	3.48	2.86	2.40	1.68	EET-UQ2W121BA
	150	1.326	1.19	22	35	P11935-ND	3.92	3.21	2.70	1.88	EET-UQ2W151BA
	150	1.326	1.19	25	30	P11936-ND	3.98	3.27	2.75	1.91	EET-UQ2W151CA
	180	1.105	1.35	22	40	P11937-ND	4.35	3.57	3.00	2.09	EET-UQ2W181BA
	180	1.105	1.35	25	30	P11938-ND	4.40	3.61	3.04	2.12	EET-UQ2W181CA
	220	0.904	1.45	25	35	P13342-ND	4.60	3.99	3.37	2.53	EET-UQ2W221CF
	220	0.904	1.55	22	45	P11939-ND	4.90	4.02	3.38	2.35	EET-UQ2W221BA
	220	0.904	1.55	25	40	P11940-ND	4.97	4.07	3.42	2.39	EET-UQ2W221CA
	220	0.904	1.55	30	30	P11941-ND	5.40	4.43	3.72	2.59	EET-UQ2W221DA
	220	0.904	1.55	35	25	P11942-ND	5.83	4.78	4.02	2.80	EET-UQ2W221EA
450	270	0.737	1.78	22	50	P11943-ND	5.78	4.74	3.99	2.78	EET-UQ2W271BA
	270	0.737	1.78	25	40	P11944-ND	5.77	4.74	3.98	2.77	EET-UQ2W271CA
	270	0.737	1.78	30	30	P11945-ND	5.24	4.44	3.84	2.88	EET-UQ2W271DA
	330	0.603	1.88	30	35	P13343-ND	6.31	5.46	4.61	3.46	EET-UQ2W331DF
	330	0.603	2.01	25	50	P11946-ND	5.88	4.98	4.30	3.23	EET-UQ2W331CA
	330	0.603	2.01	30	40	P11947-ND	6.17	5.22	4.51	3.39	EET-UQ2W331DA
	330	0.603	2.01	35	30	P11948-ND	6.51	5.51	4.76	3.57	EET-UQ2W331EA
	390	0.510	2.24	30	40	P11949-ND	6.85	5.80	5.01	3.76	EET-UQ2W391DA
	390	0.510	2.24	35	35	P11950-ND	7.25	6.14	5.30	3.98	EET-UQ2W391EA
	470	0.423	2.53	30	45	P11951-ND	7.78	6.59	5.69	4.27	EET-UQ2W471DA
	470	0.423	2.53	35	40	P11952-ND	8.09	6.85	5.92	4.44	EET-UQ2W471EA
	560	0.355	2.82	30	50	P11953-ND	8.11	7.00	6.15	4.84	EET-UQ2W561DA
	560	0.355	2.82	35	45	P11954-ND	8.30	7.16	6.29	4.95	EET-UQ2W561EA
	680	0.293	3.02	35	50	P13344-ND	11.80	10.22	8.63	6.47	EET-UQ2W681EA

W.V. DC	Cap. (µF)	Max. ESR @20°C (120Hz)Ω	105° (rms) Ripple Current (120Hz) A	Dim. (mm) D	Dim. (mm) L	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 50	Price Each 200	Panasonic Part No.
						TSNH Long Life and High Ripple Current 105°C, 2000 Hour Life					
16	27000	—	2.0	22	31.5	P6450-ND	3.10	2.49	2.04	1.33	ECE-S1CG472E
	33000	—	4.2	30	50	P6454-ND	5.38	4.56	3.94	2.96	ECE-S1CG223U
	3300	—	4.8	35	51	P6455-ND	7.85	6.64	5.74	4.31	ECE-S1CG333Z
25	3300	—	1.7	22	31.5	P6456-ND	3.07	2.46	2.02	1.32	ECE-S1EG332E
	6800	—	2.6	25	40	P6458-ND	3.79	3.11	2.61	1.82	ECE-S1EG682M
	10000	—	3.1	25	50	P6459-ND	4.69	3.85	3.24	2.25	ECE-S1EG103N
	22000	—	4.0	35	51	P6461-ND	8.16	6.91	5.96	4.47	ECE-S1EG223Z
35	15000	—	3.9	35	51	P6467-ND	6.92	5.86	5.06	3.80	ECE-S1VG153Z
50	10000	—	3.7	35	51	P6473-ND	6.61	5.60	4.84	3.63	ECE-S1HG103Z
63	3300	—	2.5	25	50	P6536-ND	4.51	3.70	3.11	2.17	ECE-S1JG332N
	4700	—	1.2	22	31.5	P6474-ND	3.31	2.65	2.18	1.42	ECE-S2AG471E
80	680	—	1.4	22	40	P6539-ND	3.32	2.73	2.29	1.60	ECE-S2AG681E
100	330	—	1.25	25	50	P6581-ND	4.87	4.00	3.36	2.34	ECE-S2EG331N
160	680	—	1.8	35	51	P6583-ND	6.71	5.68	4.91	3.68	ECE-S2EG681Z
200	220	—	1.0	30	50	P6587-ND	6.00	5.08	4.39	3.29	ECE-S2GG221U
						TSHA Miniaturized Size, Long Life and High Ripple Current 105°C, 3000 Hour Life					
6	3300	0.176	1.30	22	25	P7461-ND	2.83	2.27	1.56	1.02	ECO-S1CA332BA
	4700	0.123	1.52	22	25	P7462-ND	3.03	2.43	1.67	1.09	ECO-S1CA472BA
10	2200	0.385	1.00	22	25	P6436-ND	3.28	2.63	1.80	1.18	ECO-S1CA682BA
	8200	0.071	2.40	20	35	P6437-ND	4.02	3.30	2.31	1.61	ECO-S1CA822AA
	8200	0.071	2.40	22	30	P6441-ND	3.56	2.85	1.96	1.28	ECO-S1CA822BA
	10000	0.066	2.60	20	40	P6444-ND	4.29	3.52	2.47	1.72	ECO-S1CA103AA
	10000	0.066	2.60	25	25	P6460-ND	3.41	2.80	1.96	1.37	ECO-S1CA103CA
	12000	0.055	2.90	22	35	P6468-ND	3.56	2.93	2.05	1.43	ECO-S1CA123BA
	12000	0.055	2.90	30	25	P6477-ND	3.92	3.22	2.25	1.57	ECO-S1CA123DA
	15000	0.046	3.20	30	30	P6541-ND	4.28	3.51	2.46	1.72	ECO-S1CA153DA
	18000	0.040	3.50	22	45	P6543-ND	4.19	3.44	2.41	1.68	ECO-S1CA183BA
16	18000	0.040	3.50	35	25	P6545-ND	5.05	4.15	2.92	2.04	ECO-S1CA183EA
	22000	0.033	3.80	25	45	P6547-ND	4.86	3.99	2.79	1.95	ECO-S1CA223CA
	22000	0.033	3.80	35	30	P6550-ND	5.52	4.53	3.17	2.21	ECO-S1CA223EA
	27000	0.028	4.20	25	50	P6552-ND	5.36	4.40	3.08	2.15	ECO-S1CA273CA
	27000	0.028	4.20	35	30	P6558-ND	6.10	5.01	3.51	2.44	ECO-S1CA273EA
	33000	0.023	4.70	30	45	P6559-ND	5.53	4.69	3.38	2.53	ECO-S1CA333DA
	33000	0.023	4.70	35	35	P6560-ND	5.83	4.94	3.55	2.67	ECO-S1CA333EA
	39000	0.022	5.10	30	50	P6561-ND	6.03	5.10	3.68	2.76	ECO-S1CA393DA
	39000	0.022	5.10	35	40	P6562-ND	6.56	5.55	4.00	3.00	ECO-S1CA393EA
	47000	0.020	5.50	35	45	P6563-ND	7.29	6.18	4.45	3.34	ECO-S1CA473EA
	56000	0.019	6.00	35	50	P6999-ND	7.77	6.58	4.73	3.55	ECO-S1CA563EA
	2200	0.241	1.30	22	25	P7463-ND	2.81	2.26	1.55	1.01	ECO-S1EA222BA
	3300	0.161	1.62	22	25	P7464-ND	3.03	2.43	1.66	1.09	ECO-S1EA332BA
	4700	0.106	2.00	20	30	P6998-ND	3.81	3.13	2.19	1.53	ECO-S1EA472AA
	4700	0.106	2.00	22	25	P6566-ND	3.29	2.64	1.81	1.18	ECO-S1EA472BA
	5600	0.089	2.20	20	35	P6567-ND	4.02	3.30	2.31	1.61	ECO-S1EA562AA
	5600	0.089	2.20	22	30	P6997-ND	3.57	2.86	1.96	1.28	ECO-S1EA562BA
	6800	0.073	2.40	25	25	P6570-ND	3.41	2.80	1.96	1.37	ECO-S1EA682CA
	8200	0.061	2.70	22	35	P6571-ND	3.58	2.94	2.06	1.44	ECO-S1EA822BA
	8200	0.061	2.70	30	25	P6572-ND	3.92	3.22	2.26	1.57	ECO-S1EA822DA
	10000	0.051	3.00	22	40	P6573-ND	3.80	3.12	2.19	1.52	ECO-S1EA103BA
25	10000	0.051	3.00	30	30	P6574-ND	4.25	3.48	2.44	1.70	ECO-S1EA103DA
	12000	0.044	3.20	22	45	P6575-ND	4.27	3.50	2.45	1.71	ECO-S1EA123BA
	12000	0.044	3.20	35	25	P6576-ND	5.01	4.11	2.88	2.01	ECO-S1EA123EA
	15000	0.036	3.60	25	45	P6577-ND	4.87	4.00	2.80	1.95	ECO-S1EA153CA
	15000	0.036	3.60	35	30	P6578-ND	5.52	4.53	3.17	2.21	ECO-S1EA153EA
	18000	0.030	3.90	25	50	P6996-ND	5.29	4.34	3.04	2.12	ECO-S1EA183CA
	18000	0.030	3.90	35	35	P6590-ND	6.07	4.98	3.49	2.43	ECO-S1EA183EA
	22000	0.025	4.30	30	45	P6591-ND	5.46	4.63	3.33	2.50	ECO-S1EA223DA
	22000	0.025	4.30	35	35	P6592-ND	5.75	4.87	3.51	2.63	ECO-S1EA223EA
	27000	0.021	4.80	35	45	P6593-ND	6.56	5.56	4.00	3.00	ECO-S1EA273EA
	33000	0.018	5.50	35	50	P6594-ND	7.40	6.27	4.51	3.39	ECO-S1EA333EA
	1500	0.287	1.10	22	25	P7465-ND	2.88	2.31	1.58	1.03	ECO-S1VA152BA
	2200	0.196	1.48	22	25	P7466-ND	3.12	2.50	1.72	1.12	ECO-S1VA222BA
	3300	0.121	1.90	22	25	P6596-ND	3.44	2.76	1.89	1.23	ECO-S1VA332BA
	3900	0.111	2.00	20	35	P6597-ND	4.17	3.42	2.39	1.67	ECO-S1VA392AA
	3900	0.111	2.00	22	30	P6598-ND	3.70	2.97	2.03	1.33	ECO-S1VA392BA
	4700	0.088	2.20	25	25	P6600-ND	3.58	2.94	2.06	1.43	ECO-S1VA472CA
	5600	0.074	2.40	22	35	P6658-ND	3.76	3.08	2.16	1.51	ECO-S1VA562BA
	5600	0.074	2.40	30	25	P6659-ND	4.06	3.33	2.33	1.63	ECO-S1VA562DA
	6800	0.061	2.60	22	40	P6660-ND	4.11	3.37	2.36	1.65	ECO-S1VA682BA
35	6800	0.061	2.60	30	30	P6661-ND	4.41	3.62	2.53	1.77	ECO-S1VA682DA
	8200	0.051	2.90	22	50	P6662-ND	4.41	3.62	2.53	1.77	ECO-S1VA822BA
	8200	0.051	2.90	35	25	P6663-ND	5.22	4.28	3.00	2.09	ECO-S1VA822EA
	10000	0.041	3.20	25	45	P6664-ND	5.13	4.21	2.95	2.05	ECO-S1VA103CA
	10000	0.041	3.20	35	30	P6665-ND	5.71	4.69	3.28	2.29	ECO-S1VA103EA
	12000	0.035	3.50	25	50	P6666-ND	5.60	4.59	3.22	2.24	ECO-S1VA123CA
	12000	0.035	3.50	35	30	P6667-ND	6.35	5.21	3.65	2.54	ECO-S1VA123EA
	15000	0.030	3.90	30	45	P6668-ND	5.58	4.98	3.58	2.69	ECO-S1VA153DA
	15000	0.030	3.90	35	35	P6669-ND	6.17	5.23	3.76	2.82	ECO-S1VA153EA
	18000	0.028	4.30	35	40	P6670-ND	7.04	5.96	4.28	3.21	ECO-S1VA183EA
	22000	0.023	5.00	35	50	P6671-ND	7.73	6.54	4.71	3.53	ECO-S1VA223EA
	1000	0.232	0.90	22	25	P7467-ND	2.91	2.34	1.60	1.05	ECO-S1HA102BA
	1500	0.155	1.25	22	25	P7468-ND	3.12	2.50	1.72	1.12	ECO-S1HA152BA
	1800	0.129	1.50	20	30	P6672-ND	3.80	3.12	2.18	1.52	ECO-S1HA182AA
	1800	0.129	1.50	22	25	P6673-ND	3.28	2.63	1.80	1.18	ECO-S1HA182BA
	2200	0.105	1.70	22	30	P6675-ND	3.57	2.86	1.96	1.28	ECO-S1HA222BA
	2700	0.086	1.80	20	40	P6676-ND	4.32	3.55	2.49	1.73	ECO-S1HA272AA
	2700	0.086	1.80	25	25	P6677-ND	3.43	2.82	1.97	1.38	ECO-S1HA272BA
	3300	0.070	2.00	22	35	P6678-ND	3.53	2.98	2.06	1.45	ECO-S1HA332BA
	3300	0.070	2.00	25	30	P6679-ND	3.69	3.03	2.12	1.48	ECO-S1HA332CA
50	3900	0.064	2.20	22	40	P6680-ND	3.88	3.19	2.23	1.56	ECO-S1HA392BA
	3900	0.064	2.20	30	25	P6681-ND	4.23	3.48	2.43	1.70	ECO-S1HA392DA
	4700	0.053	2.50	22	45	P6682-ND	4.27	3.51	2.46	1.71	ECO-S1HA472BA
	4700	0.053	2.50	35	25	P6683-ND	5.02	4.12	2.89	2.01	ECO-S1HA472EA
	5600	0.050	2.80	22	50	P6684-ND	4.62	3.79	2.65	1.85	ECO-S1HA562BA
	5600	0.050	2.80	35	30	P6685-ND	5.41	4.44	3.11	2.17	ECO-S1HA562EA
	6800	0.046	3.30	25	50	P6686-ND	5.20	4.27	2.99	2.08	ECO-S1HA682CA
	6800	0.046	3.30	35	30	P6687-ND	5.94	4.87	3.41	2.38	ECO-S1HA682EA
	8200	0.038	3.60	30	45	P6688-ND	6.25	5.13	3.59	2.50	ECO-S1HA822DA
	8200	0.038	3.60	35	35	P6689-ND	5.61	4.75	3.42	2.57	ECO-S1HA822EA
	10000	0.033	4.00	30	50	P6690-ND	5.89	4.99	3.59	2.69	ECO-S1HA103DA
	10000	0.033	4.00	35	40	P6691-ND	6.42	5.43	3.91	2.94	ECO-S1HA103EA
	12000	0.028	4.50	35	45	P6692-ND	7.11	6.02	4.34	3.25	ECO-S1HA123EA
	15000	0.022	4.80	35	50	P6693-ND	8.17	6.92	4.98	3.74	ECO-S1HA153EA
	680	0.414	0.90	22	25	P7469-ND	2.89	2.31	1.59	1.04	ECO-S1JA681BA
	1000	0.282	1.17	22	25	P7470-ND	3.07	2.46	1.68	1.10	ECO-S1JA102BA
	1200	0.235	1.40	20	30	P7471-ND	4.28	3.42	2.35	1.53	ECO-S1JA122AA
	1200	0.235	1.40	22	25	P7472-ND	3.22	2.58	1.77	1.15	ECO-S1JA122BA
	1500	0.188	1.50	20	35	P7473-ND	4.56	3.65	2.50	1.63	ECO-S1JA152AA
	1500	0.188	1.50	22	30	P7474-ND	3.52	2.82	1.93	1.26	ECO-S1JA152BA
	1800	0.157	1.70	22	30	P7475-ND	3.73	2.99	2.05	1.34	ECO-S1JA182BA
	1800	0.157	1.70	25	25	P7476-ND	3.83	3.07	2.10	1.37	ECO-S1JA182CA
	2200	0.128	2.00	22	35	P7477-ND	4.03	3.23	2.21	1.44	ECO-S1JA222BA
63	2200	0.128	2.00	25	30	P7478-ND	4.11	3.29	2.25	1.47	ECO-S1JA222CA
	2700	0.104	2.20	22	40	P7479-ND	4.38	3.51	2.41	1.57	ECO-S1JA272BA
	2700	0.104	2.20	30	25	P7480-ND	4.78	3.83	2.62	1.71	ECO-S1JA272DA
	3300	0.090	2.50	22	50	P7481-ND	4.79	3.83	2.63	1.71	ECO-S1JA332BA
	3300	0.090	2.50	35	25	P7482-ND	5.70	4.56	3.13	2.04	ECO-S1JA332EA
	3900	0.077	2.70	25	45	P7483-ND	5.37	4.30	2.95	1.92	ECO-S1JA392CA
	3900	0.077	2.70	35	30	P7484-ND	6.12	4.90	3.36	2.19	ECO-S1JA392EA
	4700	0.063	3.00	25	50	P7485-ND	5.84	4.67	3.20	2.09	ECO-S1JA472CA
	4700	0.063	3.00	35	30	P7486-ND	6.68	5.35	3.66	2.39	ECO-S1JA472EA
	5600	0.053	3.30	30	45	P7487-ND	6.96	5.57	3.82	2.49	ECO-S1JA562DA
	5600	0.053	3.30	35	35	P7488-ND	7.34	5.88	4.03	2.63	ECO-S1JA562EA

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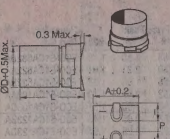
Panasonic VS Series Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • General Purpose • Life Time: 2000H @ 85°C • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement

Specifications: • **Operating Temperature Range:** -40°C ~ 85°C • **Capacitance Tolerance:** ±20% (120Hz, 20°C) • **Leakage Current:** I ≤ 0.01CV or 3(μA) whichever is greater measured after a 2 minute application of rated working voltage at 20°C • **Low Temperature Characteristics:** Impedance ratio (120Hz)

Following specified values:

Impedance	Working Voltage					
120Hz	4.0V	6.3V	10V	16V	25V	35V	50V
-25°C/+20°C	7	4	3	2	2	2	2
-40°C/+20°C	15	8	6	4	4	3	3

Size Code	Dimensions					
	D	L	A	I	W	
A	3.0	5.4	3.3	1.5	0.55±0.1	0
B	4.0	5.4	4.3	1.8	0.65±0.1	1
C	5.0	5.4	5.3	2.2	0.65±0.1	1
D	6.3	5.4	6.6	2.6	0.65±0.1	1
D2	6.3	5.7	6.6	2.6	0.65±0.1	1
D8	6.3	7.7	6.6	2.6	0.65±0.1	1
E	8.0	6.2	8.3	3.4	0.65±0.1	2
F	8.0	10.2	8.3	3.4	0.90±0.2	3
G	10.0	10.2	10.3	3.5	0.90±0.2	4

Rated W.V. (VDC)	Nom. Cap. (pF)	tan δ ≤ spec. values (120Hz, +20°C)	Max. Leak. Current (μA)	Size Code	Max. Ripple Cur. 120Hz, 85°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each 5	10	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
VS General Purpose Low Profile Series: -40°C ~ 85°C (2000 Hour Life)														
4	22	0.37	3.0	A	19	PCE3051CT-ND	.24	.20	.19	.17	PCE3051TR-ND	2,000	64.00/M	ECE-V0GS220SR
	33	0.35	3.0	B	26	PCE3052CT-ND	.21	.17	.16	.15	PCE3052TR-ND	2,000	53.00/M	ECE-V0GA330SR
	47	0.35	3.0	B	34	PCE3053CT-ND	.21	.17	.16	.15	PCE3053TR-ND	2,000	53.00/M	ECE-V0GA470SR
	100	0.35	4.0	C	61	PCE3054CT-ND	.30	.25	.23	.21	PCE3054TR-ND	1,000	64.00	ECE-V0GA101SR
	220	0.35	8.8	D	82	PCE3055CT-ND	.28	.23	.21	.20	PCE3055TR-ND	1,000	75.00	ECE-V0GA221SP
6.3	22	0.35	3.0	A	20	PCE3308CT-ND	.24	.20	.19	.17	PCE3308TR-ND	2,000	64.00/M	ECE-V0JS220WR
	22	0.26	3.0	B	29	PCE3056CT-ND	.26	.21	.20	.18	PCE3056TR-ND	2,000	53.00/M	ECE-V0JA220SR
	47	0.35	3.0	B	36	PCE3309CT-ND	.23	.19	.18	.16	PCE3309TR-ND	2,000	59.00/M	ECE-V0JA470WR
	47	0.26	3.0	C	46	PCE3057CT-ND	.30	.25	.23	.21	PCE3057TR-ND	1,000	64.00	ECE-V0JA470SR
	100	0.26	6.3	D	71	PCE3058CT-ND	.34	.28	.26	.24	PCE3058TR-ND	1,000	75.00	ECE-V0JA101SP
	220	0.35	13.8	D	74	PCE3310CT-ND	.35	.29	.27	.25	PCE3310TR-ND	1,000	89.00	ECE-V0JA221WP
	330	0.26	20.8	D8	188	PCE3351CT-ND	.43	.35	.33	.30	PCE3351TR-ND	900	91.80	ECE-V0JA331XP
	330	0.35	20.8	E	300	PCE2034CT-ND	.56	.46	.43	.39	PCE2034TR-ND	1,000	123.00	ECE-V0JA331P
	470	0.35	29.6	F	380	PCE2035CT-ND	.55	.46	.42	.39	PCE2035TR-ND	500	79.50	ECE-V0JA471P
	1000	0.35	63.0	F	500	PCE3173CT-ND	.61	.50	.47	.43	PCE3173TR-ND	500	86.50	ECE-V0JA102UP
	1000	0.35	63.0	G	700	PCE2038CT-ND	.69	.57	.53	.49	PCE2038TR-ND	500	93.00	ECE-V0JA102P
	1500	0.35	94.5	G	750	PCE3174CT-ND	.76	.62	.58	.54	PCE3174TR-ND	500	102.00	ECE-V0JA152P
10	33	0.30	3.3	B	29	PCE3175CT-ND	.23	.19	.17	.16	PCE3175TR-ND	2,000	59.00/M	ECE-V1AA330WR
	33	0.20	3.3	C	43	PCE3059CT-ND	.24	.20	.19	.17	PCE3059TR-ND	1,000	64.00	ECE-V1AA330SR
	47	0.20	4.7	D	65	PCE3060CT-ND	.41	.34	.31	.29	PCE3060TR-ND	1,000	142.00	ECE-V1AA470SP
	100	0.30	10.0	C	50	PCE3311CT-ND	.35	.29	.27	.25	PCE3311TR-ND	1,000	69.00	ECE-V1AA101WR
	100	0.26	10.0	D	70	PCE3176CT-ND	.37	.30	.28	.26	PCE3176TR-ND	1,000	75.00	ECE-V1AA101SP
	220	0.20	22.0	D8	173	PCE3352CT-ND	.51	.42	.39	.36	PCE3352TR-ND	900	91.80	ECE-V1AA221XP
	220	0.26	22.0	E	250	PCE2040CT-ND	.51	.42	.39	.36	PCE2040TR-ND	1,000	123.00	ECE-V1AA221P
	330	0.26	33.0	F	390	PCE2041CT-ND	.55	.46	.42	.39	PCE2041TR-ND	500	79.50	ECE-V1AA331P
	470	0.26	47.0	G	400	PCE2042CT-ND	.69	.57	.53	.49	PCE2042TR-ND	500	93.00	ECE-V1AA471P
	470	0.26	47.0	F	390	PCE3177CT-ND	.55	.46	.42	.39	PCE3177TR-ND	500	79.50	ECE-V1AA471UP
	1000	0.26	100.0	G	580	PCE3178CT-ND	.69	.57	.53	.49	PCE3178TR-ND	500	93.00	ECE-V1AA102P
16	10	0.18	3.0	A	20	PCE3061CT-ND	.24	.20	.19	.17	PCE3061TR-ND	2,000	64.00/M	ECE-V1CS100SR
	10	0.16	3.0	B	26	PCE3062CT-ND	.32	.26	.25	.23	PCE3062TR-ND	2,000	53.00/M	ECE-V1CA100SR
	22	0.26	3.5	B	28	PCE3179CT-ND	.29	.24	.22	.21	PCE3179TR-ND	2,000	59.00/M	ECE-V1CA220WR
	22	0.16	3.5	C	39	PCE3063CT-ND	.30	.25	.23	.21	PCE3063TR-ND	1,000	64.00	ECE-V1CA220SR
	33	0.26	5.3	C	35	PCE3180CT-ND	.26	.21	.20	.18	PCE3180TR-ND	1,000	69.00	ECE-V1CA330WR
	47	0.26	7.5	C	39	PCE3181CT-ND	.33	.27	.26	.24	PCE3181TR-ND	1,000	69.00	ECE-V1CA470WR
	47	0.16	7.5	D	70	PCE3064CT-ND	.34	.28	.26	.24	PCE3064TR-ND	1,000	75.00	ECE-V1CA470SP
	100	0.26	16.0	D	70	PCE3182CT-ND	.43	.35	.33	.30	PCE3182TR-ND	1,000	89.00	ECE-V1CA101WP
	100	0.20	16.0	E	200	PCE2043CT-ND	.51	.42	.39	.36	PCE2043TR-ND	1,000	123.00	ECE-V1CA101P
	220	0.16	35.2	D8	162	PCE3353CT-ND	.64	.53	.49	.45	PCE3353TR-ND	900	91.80	ECE-V1CA221XP
25	220	0.20	35.2	E	200	PCE3275CT-ND	.64	.53	.49	.45	PCE3275TR-ND	1,000	123.00	ECE-V1CA221UP
	220	0.20	35.2	F	280	PCE2044CT-ND	.77	.63	.59	.54	PCE2044TR-ND	500	79.50	ECE-V1CA221P
	330	0.20	52.8	F	320	PCE3183CT-ND	.81	.67	.62	.57	PCE3183TR-ND	500	79.50	ECE-V1CA331UP
	330	0.20	52.8	G	380	PCE2045CT-ND	.94	.77	.72	.66	PCE2045TR-ND	500	93.00	ECE-V1CA331P
	470	0.20	75.2	F	350	PCE3184CT-ND	.85	.70	.65	.60	PCE3184TR-ND	500	86.50	ECE-V1CA471UP
	470	0.20	75.2	G	420	PCE2046CT-ND	.94	.77	.72	.66	PCE2046TR-ND	500	93.00	ECE-V1CA471P
	4.7	0.16	3.0	A	12	PCE3065CT-ND	.24	.20	.19	.17	PCE3065TR-ND	2,000	64.00/M	ECE-V1ES4R7SR
	4.7	0.14	3.0	B	22	PCE3066CT-ND	.21	.17	.16	.15	PCE3066TR-ND	2,000	53.00/M	ECE-V1EA4R7SR
	10	0.14	3.0	C	28	PCE3067CT-ND	.34	.28	.26	.24	PCE3067TR-ND	1,000	64.00	ECE-V1EA100SR
	22	0.14	5.5	D	55	PCE3068CT-ND	.28	.23	.21	.20	PCE3068TR-ND	1,000	75.00	ECE-V1EA220SP
	33	0.20	8.3	C	42	PCE3276CT-ND	.33	.27	.26	.24	PCE3276TR-ND	1,000	69.00	ECE-V1EA330WR
	33	0.14	8.3	D	65	PCE3069CT-ND	.34	.28	.26	.24	PCE3069TR-ND	1,000	75.00	ECE-V1EA330SP
	47	0.16	11.8	D2	70	PCE3185CT-ND	.35	.29	.27	.25	PCE3185TR-ND	1,000	95.00	ECE-V1EA470UP
	100	0.14	25.0	D8	143	PCE3354CT-ND	.51	.42	.39	.36	PCE3354TR-ND	900	91.80	ECE-V1EA101XP
	100	0.16	25.0	E	91	PCE3186CT-ND	.51	.42	.39	.36	PCE3186TR-ND	1,000	123.00	ECE-V1EA101UP
	100	0.16	25.0	F	180	PCE2047CT-ND	.64	.53	.49	.45	PCE2047TR-ND	500	79.50	ECE-V1EA101P
	220	0.16	55.0	F	230	PCE3187CT-ND	.68	.56	.52	.48	PCE3187TR-ND	500	86.50	ECE-V1EA221UP
	220	0.16	55.0	G	310	PCE2048CT-ND	.77	.63	.59	.54	PCE2048TR-ND	500	93.00	ECE-V1EA221P
	330	0.16	82.5	F	270	PCE3188CT-ND	.81	.50	.47	.43	PCE3188TR-ND	500	86.50	ECE-V1EA331UP
	470	0.16	117.5	G	380	PCE3189CT-ND	.90	.74	.69	.63	PCE3189TR-ND	500	102.00	ECE-V1EA471P
35	2.2	0.14	3.0	A	8	PCE3070CT-ND	.24	.20	.19	.17	PCE3070TR-ND	2,000	64.00/M	ECE-V1VS2R2SR
	3.3	0.14	3.0	A	10	PCE3071CT-ND	.24	.20	.19	.17	PCE3071TR-ND	2,000	64.00/M	ECE-V1VS3R3SR
	4.7	0.12	3.0	B	22	PCE3072CT-ND	.26	.21	.20	.18	PCE3072TR-ND	2,000	53.00/M	ECE-V1VA4R7SR
	10	0.16	3.5	B	22	PCE3277CT-ND	.29	.24	.22	.21	PCE3277TR-ND	2,000	59.00/M	ECE-V1VA100WR
	10	0.12	3.5	C	30	PCE3073CT-ND	.30	.25	.23	.21	PCE3073TR-ND	1,000	64.00	ECE-V1VA100SR
	22	0.16	7.7	C	36	PCE3278CT-ND	.33	.27	.26	.24	PCE3278TR-ND	1,000	69.00	ECE-V1VA220WR
	22	0.12	7.7	D	60	PCE3074CT-ND	.34	.28	.26	.24	PCE3074TR-ND	1,000	75.00	ECE-V1VA220SP
	33	0.16	11.6	D	60	PCE3279CT-ND	.35	.29	.27	.25	PCE3279TR-ND	1,000	89.00	ECE-V1VA330WP
	33	0.14	11.6	D2	65	PCE3190CT-ND	.35	.29	.27	.25	PCE3190TR-ND	1,000	95.00	ECE-V1VA330UP
	33	0.14	11.6	E	130	PCE2049CT-ND	.43	.35	.33	.30	PCE2049TR-ND	1,000	123.00	ECE-V1VA330P
	47	0.16	16.5	D	70	PCE3280CT-ND	.43	.35	.33	.30	PCE3280TR-ND	1,000	89.00	ECE-V1VA470WP
	47	0.14	16.5	E	165	PCE2050CT-ND	.51	.42	.39	.36	PCE2050TR-ND	1,000	123.00	ECE-V1VA470P
	100	0.14	35.0	D8	132	PCE3355CT-ND	.64	.53	.49	.45	PCE3355TR-ND	900	91.80	ECE-V1VA101XP
	100	0.14	35.0	F	140	PCE3191CT-ND	.77	.63	.59	.54	PCE3191TR-ND	500	79.50	ECE-V1VA101UP
	100	0.14	35.0	G	210	PCE2051CT-ND	.90	.74	.69	.63	PCE2051TR-ND	500	93.00	ECE-V1VA101P
	220	0.14	77.0	F	200	PCE3192CT-ND	.61	.50	.47	.43	PCE3192TR-ND	500	86.50	ECE-V1VA221UP
	330	0.14	115.5	G	350	PCE3193CT-ND	.76	.62	.58	.54	PCE3193TR-ND	500	102.00	ECE-V1VA331P
50	0.1	0.14	3.0	A	1	PCE3075CT-ND	.24	.20	.19	.17	PCE3075TR-ND	2,000	64.00/M	ECE-V1H0R1SR
	0.1	0.12	3.0	B	1	PCE3076CT-ND	.22	.18	.17	.15	PCE3076TR-ND	2,000	53.00/M	ECE-V1HA0R1SR
	0.22	0.14	3.0	A	2	PCE3077CT-ND	.24	.20	.19	.17	PCE3077TR-ND	2,000	64.00/M	ECE-V1HSR22SR
	0.22	0.12	3.0	B	2	PCE3078CT-ND	.21	.17	.16	.15	PCE3078TR-ND	2,000	53.00/M	ECE-V1HAR22SR
	0.33	0.14	3.0	A	3	PCE3079CT-ND	.24	.20	.19	.17	PCE3079TR-ND	2,000	64.00/M	ECE-V1HSR33SR
	0.33	0.12	3.0	B	3	PCE3080CT-ND	.21	.17	.16	.15	PCE3080TR-ND	2,000	53.00/M	ECE-V1HAR33SR
	0.47	0.14	3.0	A	5	PCE3081CT-ND	.24	.20	.19	.17	PCE3081TR-ND	2,000	64.00/M	ECE-V1HSR47SR
	0.47	0.12	3.0	B	5	PCE3082CT-ND	.21	.17	.16	.15	PCE3082TR-ND	2,000	53.00/M	ECE-V1HAR47SR
	1	0.14	3.0	A	8	PCE3083CT-ND	.24	.20	.19	.17	PCE3083TR-ND	2,000	64.00/M	ECE-V1HS010SR
	1	0.12	3.0	B	10	PCE3084CT-ND	.22	.18	.17	.15	PCE3084TR-ND	2,000	53.00/M	ECE-V1HA010SR
	2.2	0.14	3.0	A	10	PCE3085CT-ND	.24	.20	.19	.17	PCE3085TR-ND	2,000	64.00/M	ECE-V1HS2R2SR
	2.2	0.12	3.0	B	16	PCE3086CT-ND	.21	.17	.16	.15	PCE3086TR-ND	2,000	53.00/M	ECE-V1HA2R2SR
	3.3	0.12	3.0	B	16	PCE3087CT-ND	.26	.21	.20	.18	PCE3087TR-ND	2,000	53.00/M	ECE-V1HA3R3SR
	4.7	0.14	3.0	B	16	PCE3281CT-ND	.23	.19	.18	.16	PCE3281TR-ND	2,000	59.00/M	ECE-V1HA4R7WR
	4.7	0.12	3.0	C	23	PCE3088CT-ND	.24	.20	.19	.17	PCE3088TR-ND	1,000	64.00	ECE-V1HA4R7SR
	10	0.14	5.0	C	27	PCE3282CT-ND	.34	.28	.26	.24	PCE3282TR-ND	1,000	69.00	ECE-V1HA100WR
	10	0.12	5.0	D	35	PCE3089CT-ND	.37	.30	.28	.26	PCE3089TR-ND	1,000	75.00	ECE-V1HA100SP
	22	0.14	11.0	D	40	PCE3283CT-ND	.43	.35	.33	.30	PCE3283TR-ND	1,000	89.00	ECE-V1HA220WP

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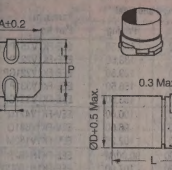
Panasonic FK Series Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • Low Impedance (40-60% lower than FC) • Small Size (30-50% smaller than FC) • Long Life: 2000-5000H @ 105°C • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement

Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ±20% (120Hz, 20°C) • Leakage Current: I ≤ 0.01CV or 3(μA) whichever is greater measured after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)

Soldering: • Reflow: 3 - 6mm case 250°C for 5 seconds; 8 - 10mm case 235°C for 5 seconds; 12.5 - 18mm case for 230°C for 5 seconds

Following specified values:

Impedance	Working Voltage								
120Hz	6.3V	10V	16V	25V	35V	50V	63V	80V	100V
-25°C/+20°C	2	2	2	2	2	2	2	2	2
-40°C/+20°C	3	3	3	3	3	3	3	3	3
-55°C/+20°C	4	4	4	3	3	3	3	3	3

Size Code	Dimensions (mm)					
	D	L	A	I	W	P
B	4	5.8	4.3	1.8	0.65±0.1	1.0
C	5	5.8	5.3	2.2	0.65±0.1	1.5
D	6.3	5.8	6.6	2.6	0.65±0.1	1.8
D8	6.3	7.7	6.6	2.6	0.65±0.1	1.8
E	8	6.2	8.3	3.4	0.65±0.1	2.2
F	8	10.2	8.3	3.4	0.90±0.2	3.1
G	10	10.2	10.3	3.5	0.90±0.2	4.6
H13	12.5	13.5	13.5	4.7	0.90±0.3	4.4
J16	16	16.5	17.0	5.5	1.2±0.3	6.7
K16	18	16.5	19.0	6.7	1.2±0.3	6.7

ded V. DC)	Nom. Cap. (μF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Impedance (Ω)	Max. Leakage Current (μA)	Size Code	Max. Ripple Cur. 100KHz, 105°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each 5	10	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
FK Series: Low Impedance (40-60% lower than FC), High Reliability, -55°C ~ 105°C (2000 Hour Life, GP Suffix 5000 Hour)															
	22	0.26	1.35	3.0	B	90	PCE3765CT-ND	.25	.20	.19	.18	PCE3765TR-ND	2,000	90.00/M	EEE-FK0J220R
	47	0.26	1.35	3.0	B	90	PCE3770CT-ND	.25	.20	.19	.18	PCE3770TR-ND	2,000	90.00/M	EEE-FK0J470UR
	47	0.26	0.70	3.0	C	160	PCE3769CT-ND	.29	.24	.23	.21	PCE3769TR-ND	1,000	107.00	EEE-FK0J470R
	100	0.26	0.70	6.3	C	160	PCE3762CT-ND	.29	.24	.23	.21	PCE3762TR-ND	1,000	107.00	EEE-FK0J101UR
	100	0.26	0.36	6.3	D	240	PCE3761CT-ND	.34	.28	.26	.24	PCE3761TR-ND	1,000	126.00	EEE-FK0J101P
	220	0.26	0.36	13.9	D	240	PCE3766CT-ND	.34	.28	.26	.24	PCE3766TR-ND	1,000	126.00	EEE-FK0J221P
	330	0.26	0.34	20.8	D8	280	PCE3768CT-ND	.47	.39	.36	.33	PCE3768TR-ND	900	154.80	EEE-FK0J331XP
3	330	0.26	0.26	20.8	E	300	PCE3767CT-ND	.56	.46	.43	.40	PCE3767TR-ND	1,000	206.00	EEE-FK0J331P
	470	0.26	0.16	29.6	F	600	PCE3771CT-ND	.72	.60	.56	.51	PCE3771TR-ND	500	133.50	EEE-FK0J471P
	470	0.26	0.16	29.6	F	600	PCE4308CT-ND	.81	.67	.62	.57	PCE4308TR-ND	500	139.50	EEE-FK0J471GP
	1000	0.26	0.16	63.0	F	600	PCE3763CT-ND	.72	.60	.56	.51	PCE3763TR-ND	500	133.50	EEE-FK0J102P
	1000	0.26	0.16	63.0	F	600	PCE4309CT-ND	.81	.67	.62	.57	PCE4309TR-ND	500	139.50	EEE-FK0J102GP
	1500	0.26	0.08	94.5	G	850	PCE3764CT-ND	.85	.70	.65	.60	PCE3764TR-ND	500	156.50	EEE-FK0J152P
	1500	0.26	0.08	94.5	G	850	PCE4310CT-ND	.95	.78	.73	.67	PCE4310TR-ND	500	163.50	EEE-FK0J152GP
	3300	0.30	0.060	207.9	H13	1100	PCE3454CT-ND	1.42	1.17	1.09	1.00	PCE3454TR-ND	200	96.60	EEV-FK0J332Q
	6800	0.36	0.035	428.4	J16	1800	PCE3455CT-ND	2.32	1.91	1.78	—	PCE3455TR-ND	125	102.25	EEV-FK0J682M
	22	0.19	1.35	3.0	B	90	PCE3774CT-ND	.25	.20	.19	.18	PCE3774TR-ND	2,000	90.00/M	EEE-FK1A220R
	33	0.19	1.35	3.3	B	90	PCE3778CT-ND	.25	.20	.19	.18	PCE3778TR-ND	2,000	90.00/M	EEE-FK1A330UR
	33	0.19	0.70	3.3	C	160	PCE3777CT-ND	.29	.24	.23	.21	PCE3777TR-ND	1,000	107.00	EEE-FK1A330R
	150	0.19	0.36	15.0	D	240	PCE3773CT-ND	.34	.28	.26	.24	PCE3773TR-ND	1,000	126.00	EEE-FK1A151P
	220	0.19	0.34	22.0	D8	280	PCE3776CT-ND	.47	.39	.36	.33	PCE3776TR-ND	900	154.80	EEE-FK1A221XP
	220	0.19	0.26	22.0	E	300	PCE3775CT-ND	.56	.46	.43	.40	PCE3775TR-ND	1,000	206.00	EEE-FK1A221P
	330	0.19	0.16	33.0	F	600	PCE3779CT-ND	.72	.60	.56	.51	PCE3779TR-ND	500	133.50	EEE-FK1A331P
	330	0.19	0.16	33.0	F	600	PCE4311CT-ND	.81	.67	.62	.57	PCE4311TR-ND	500	139.50	EEE-FK1A331GP
	470	0.19	0.16	47.0	F	600	PCE3780CT-ND	.72	.60	.56	.51	PCE3780TR-ND	500	133.50	EEE-FK1A471P
	470	0.19	0.16	47.0	F	600	PCE4312CT-ND	.81	.67	.62	.57	PCE4312TR-ND	500	139.50	EEE-FK1A471GP
	680	0.19	0.16	68.0	F	600	PCE3781CT-ND	.72	.60	.56	.51	PCE3781TR-ND	500	133.50	EEE-FK1A681P
	1000	0.19	0.08	100.0	G	850	PCE3772CT-ND	.85	.70	.65	.60	PCE3772TR-ND	500	156.50	EEE-FK1A102P
	1000	0.19	0.08	100.0	G	850	PCE4313CT-ND	.95	.78	.73	.67	PCE4313TR-ND	500	163.50	EEE-FK1A102GP
	2200	0.21	0.060	220.0	H13	1100	PCE3456CT-ND	1.42	1.17	1.09	1.00	PCE3456TR-ND	200	96.60	EEV-FK1A222Q
	4700	0.25	0.035	470.0	J16	1800	PCE3457CT-ND	2.32	1.91	1.78	—	PCE3457TR-ND	125	102.25	EEV-FK1A472M
	6800	0.29	0.033	680.0	K16	2060	PCE3458CT-ND	2.74	2.26	2.10	—	PCE3458TR-ND	125	120.63	EEV-FK1A682M
	10	0.16	1.35	3.0	B	90	PCE3782CT-ND	.25	.20	.19	.18	PCE3782TR-ND	2,000	90.00/M	EEE-FK1C100R
	22	0.16	1.35	3.5	B	90	PCE3786CT-ND	.25	.20	.19	.18	PCE3786TR-ND	2,000	90.00/M	EEE-FK1C220UR
	22	0.16	0.70	3.5	C	160	PCE3785CT-ND	.29	.24	.23	.21	PCE3785TR-ND	1,000	107.00	EEE-FK1C220R
	47	0.16	0.70	7.5	C	160	PCE3791CT-ND	.29	.24	.23	.21	PCE3791TR-ND	1,000	107.00	EEE-FK1C470UR
	47	0.16	0.36	7.5	D	240	PCE3790CT-ND	.34	.28	.26	.24	PCE3790TR-ND	1,000	126.00	EEE-FK1C470P
	68	0.16	0.36	10.9	D	240	PCE3793CT-ND	.34	.28	.26	.24	PCE3793TR-ND	1,000	126.00	EEE-FK1C680P
	100	0.16	0.36	16.0	D	240	PCE3783CT-ND	.34	.28	.26	.24	PCE3783TR-ND	1,000	126.00	EEE-FK1C101P
	150	0.16	0.34	24.0	D8	280	PCE3784CT-ND	.47	.39	.36	.33	PCE3784TR-ND	900	154.80	EEE-FK1C151XP
	220	0.16	0.34	35.2	D8	280	PCE3788CT-ND	.47	.39	.36	.33	PCE3778TR-ND	2,000	90.00/M	EEE-FK1C221XP
6	220	0.16	0.26	35.2	E	300	PCE3787CT-ND	.56	.46	.43	.40	PCE3787TR-ND	1,000	206.00	EEE-FK1C221P
	330	0.16	0.16	52.8	F	600	PCE3789CT-ND	.72	.60	.56	.51	PCE3789TR-ND	500	133.50	EEE-FK1C331P
	330	0.16	0.16	52.8	F	600	PCE4314CT-ND	.81	.67	.62	.57	PCE4314TR-ND	500	139.50	EEE-FK1C331GP
	470	0.16	0.16	75.2	F	600	PCE3792CT-ND	.72	.60	.56	.51	PCE3792TR-ND	500	133.50	EEE-FK1C471P
	470	0.16	0.16	75.2	F	600	PCE4315CT-ND	.81	.67	.62	.57	PCE4315TR-ND	500	139.50	EEE-FK1C471GP
	680	0.16	0.08	108.8	G	850	PCE3794CT-ND	.85	.70	.65	.60	PCE3794TR-ND	500	156.50	EEE-FK1C681P
	680	0.16	0.08	108.8	G	850	PCE4316CT-ND	.95	.78	.73	.67	PCE4316TR-ND	500	163.50	EEE-FK1C681GP
	1500	0.16	0.060	240.0	H13	1100	PCE3459CT-ND	1.42	1.17	1.09	1.00	PCE3459TR-ND	200	96.60	EEV-FK1C152Q
	3300	0.20	0.035	528.0	J16	1800	PCE3460CT-ND	2.32	1.91	1.78	—	PCE3460TR-ND	125	102.25	EEV-FK1C332M
	4700	0.22	0.033	752.0	K16	2060	PCE3461CT-ND	2.74	2.26	2.10	—	PCE3461TR-ND	125	120.63	EEV-FK1C472M
	10	0.14	1.35	3.0	B	90	PCE3795CT-ND	.25	.20	.19	.18	PCE3795TR-ND	2,000	90.00/M	EEE-FK1E100R
	22	0.14	0.70	5.5	C	160	PCE3799CT-ND	.29	.24	.23	.21	PCE3799TR-ND	1,000	107.00	EEE-FK1E220R
	33	0.14	0.70	8.3	C	160	PCE3802CT-ND	.29	.24	.23	.21	PCE3802TR-ND	1,000	107.00	EEE-FK1E330UR
	33	0.14	0.36	8.3	D	240	PCE3801CT-ND	.34	.28	.26	.24	PCE3801TR-ND	1,000	126.00	EEE-FK1E330P
	47	0.14	0.36	11.8	D	240	PCE3804CT-ND	.34	.28	.26	.24	PCE3804TR-ND	1,000	126.00	EEE-FK1E470P
	68	0.14	0.36	17.0	D	240	PCE3806CT-ND	.34	.28	.26	.24	PCE3806TR-ND	1,000	126.00	EEE-FK1E680P
	100	0.14	0.34	25.0	D8	280	PCE3797CT-ND	.47	.39	.36	.33	PCE3797TR-ND	900	154.80	EEE-FK1E101XP
	100	0.14	0.26	25.0	E	300	PCE3796CT-ND	.56	.46	.43	.40	PCE3796TR-ND	1,000	206.00	EEE-FK1E101P
	150	0.14	0.16	37.5	F	600	PCE3798CT-ND	.72	.60	.56	.51	PCE3798TR-ND	500	133.50	EEE-FK1E151P
	220	0.14	0.16	55.0	F	600	PCE3800CT-ND	.72	.60	.56	.51	PCE3800TR-ND	500	133.50	EEE-FK1E221P
	220	0.14	0.16	55.0	F	600	PCE4317CT-ND	.81	.67	.62	.57	PCE4317TR-ND	500	139.50	EEE-FK1E221GP
	330	0.14	0.16	82.5	F	600	PCE3803CT-ND	.72	.60	.56	.51	PCE3803TR-ND	500	133.50	EEE-FK1E331P
	330	0.14	0.16	82.5	F	600	PCE4318CT-ND	.81	.67	.62	.57	PCE4318TR-ND	500	139.50	EEE-FK1E331GP
	470	0.14	0.08	117.5	G	850	PCE3805CT-ND	.85	.70	.65	.60	PCE3805TR-ND	500	156.50	EEE-FK1E471P
	470	0.14	0.08	117.5	G	850	PCE4319CT-ND	.95	.78	.73	.67	PCE4319TR-ND	500	163.50	EEE-FK1E471GP
	1000	0.14	0.060	250.0	H13	1100	PCE3462CT-ND	1.42	1.17	1.09	1.00	PCE3462TR-ND	200	96.60	EEV-FK1E102Q
	2200	0.16	0.035	550.0	J16	1800	PCE3463CT-ND	2.32	1.91	1.78	—	PCE3463TR-ND	125	102.25	EEV-FK1E222M
	3300	0.18	0.033	825.0	K16	2060	PCE3506CT-ND	2.74	2.26	2.10	—	PCE3506TR-ND	125	120.63	EEV-FK1E332M
	4.7	0.12	1.35	3.0	B	90	PCE3843CT-ND	.25	.20	.19	.18	PCE3843TR-ND	2,000	90.00/M	EEE-FK1V4R7R
	10	0.12	1.35	3.5	B	90	PCE3834CT-ND	.25	.20	.19	.18	PCE3834TR-ND	2,000	90.00/M	EEE-FK1V100UR
	10	0.12	0.70	3.5	C	160	PCE3833CT-ND	.29	.24	.23	.21	PCE3833TR-ND	1,000	107.00	EEE-FK1V100R
	22	0.12	0.70	7.7	C	160	PCE3838CT-ND	.29	.24	.23	.21	PCE3838TR-ND	1,000	107.00	EEE-FK1V220R
	33	0.12	0.36	11.6	D	240	PCE3840CT-ND	.34	.28	.26	.24	PCE3840TR-ND	1,000	126.00	EEE-FK1V330P
	47	0.12	0.36	16.5	D	240	PCE3842CT-ND	.34	.28	.26	.24	PCE3842TR-ND	1,000	126.00	EEE-FK1V470P
	68	0.12	0.34	23.8	D8	280	PCE3844CT-ND	.47	.39	.36	.33	PCE3844TR-ND	900	154.80	EEE-FK1V680XP
	100	0.12	0.34	35.0	D8	280	PCE3836CT-ND	.47	.39	.36	.33	PCE3836TR-ND	900	154.80	EEE-FK1V101XP
	100	0.12	0.16	35.0	F	600	PCE3835CT-ND	.72	.60	.56	.51	PCE3835TR-ND	500	133.50	EEE-FK1V101P
	100	0.12	0.16	35.0	F	600	PCE4320CT-ND	.81	.67	.62	.57	PCE4320TR-ND	500	139.50	EEE-FK1V101GP

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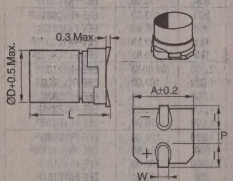
Rated W.V. (VDC)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Impedance (Ω)	Max. Leakage Current (µA)	Size Code	Max. Ripple Cur. 100KHz, 105°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each 5	10	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
35	150	0.12	0.16	52.5	F	600	PCE3837CT-ND	.72	.60	.56	.51	PCE3837TR-ND	500	133.50	EEE-FK1V151P
	220	0.12	0.16	77.0	F	600	PCE3839CT-ND	.72	.60	.56	.51	PCE3839TR-ND	500	133.50	EEE-FK1V221P
	220	0.12	0.16	77.0	F	600	PCE4321CT-ND	.81	.67	.62	.57	PCE4321TR-ND	500	139.50	EEE-FK1V221GP
	330	0.12	0.08	115.5	G	850	PCE3841CT-ND	.85	.70	.65	.60	PCE3841TR-ND	500	156.50	EEE-FK1V331P
	330	0.12	0.08	115.5	G	850	PCE4322CT-ND	.95	.78	.73	.67	PCE4322TR-ND	500	163.50	EEE-FK1V331GP
	470	0.12	0.060	164.5	H13	1100	PCE3464CT-ND	1.42	1.17	1.09	1.00	PCE3464TR-ND	200	100.00	EEV-FK1V471Q
	680	0.12	0.060	238.0	H13	1100	PCE3465CT-ND	1.42	1.17	1.09	1.00	PCE3465TR-ND	200	96.60	EEV-FK1V681Q
	1500	0.12	0.035	525.0	J16	1800	PCE3466CT-ND	2.32	1.91	1.78	—	PCE3466TR-ND	125	102.25	EEV-FK1V152M
50	4.7	0.10	2.9	3.0	B	60	PCE3817CT-ND	.25	.20	.19	.18	PCE3817TR-ND	2,000	90.00/M	EEE-FK1H4R7R
	10	0.10	1.52	5.0	C	85	PCE3808CT-ND	.29	.24	.23	.21	PCE3808TR-ND	1,000	107.00	EEE-FK1H100UR
	10	0.10	0.88	5.0	D	165	PCE3807CT-ND	.34	.28	.26	.24	PCE3807TR-ND	1,000	126.00	EEE-FK1H100P
	22	0.10	0.88	11.0	D	165	PCE3811CT-ND	.34	.28	.26	.24	PCE3811TR-ND	1,000	126.00	EEE-FK1H220P
	33	0.10	0.68	16.5	D8	195	PCE3814CT-ND	.47	.39	.36	.33	PCE3814TR-ND	900	154.80	EEE-FK1H330XP
	33	0.10	0.68	16.5	E	195	PCE3813CT-ND	.56	.46	.43	.40	PCE3813TR-ND	1,000	206.00	EEE-FK1H330P
	47	0.10	0.68	23.5	D8	195	PCE3816CT-ND	.47	.39	.36	.33	PCE3816TR-ND	900	154.80	EEE-FK1H470XP
	47	0.10	0.68	23.5	E	195	PCE3815CT-ND	.56	.46	.43	.40	PCE3815TR-ND	1,000	206.00	EEE-FK1H470P
	100	0.10	0.34	50.0	F	350	PCE3809CT-ND	.72	.60	.56	.51	PCE3809TR-ND	500	133.50	EEE-FK1H101P
	100	0.10	0.34	50.0	F	350	PCE4323CT-ND	.81	.67	.62	.57	PCE4323TR-ND	500	139.50	EEE-FK1H101GP
	150	0.10	0.18	75.0	G	670	PCE3810CT-ND	.85	.70	.65	.60	PCE3810TR-ND	500	156.50	EEE-FK1H151P
	220	0.10	0.18	110.0	G	670	PCE3812CT-ND	.85	.70	.65	.60	PCE3812TR-ND	500	156.50	EEE-FK1H221P
	220	0.10	0.18	110.0	G	670	PCE4324CT-ND	.95	.78	.73	.67	PCE4324TR-ND	500	163.50	EEE-FK1H221GP
	330	0.10	0.12	165.0	H13	900	PCE3475CT-ND	1.42	1.17	1.09	1.00	PCE3475TR-ND	200	96.60	EEV-FK1H331Q
	680	0.10	0.073	340.0	J16	1610	PCE3523CT-ND	2.32	1.91	1.78	—	PCE3523TR-ND	125	102.25	EEV-FK1H681M
	1000	0.10	0.073	500.0	J16	1610	PCE3477CT-ND	2.32	1.91	1.78	—	PCE3477TR-ND	125	102.25	EEV-FK1H102M
63	4.7	0.08	3.0	3.0	C	50	PCE3824CT-ND	.31	.25	.24	.22	PCE3824TR-ND	1,000	113.00	EEE-FK1J4R7R
	10	0.08	1.5	6.3	D	80	PCE3818CT-ND	.36	.30	.28	.26	PCE3818TR-ND	1,000	132.00	EEE-FK1J100P
	22	0.08	1.2	13.9	D8	120	PCE3821CT-ND	.49	.41	.38	.35	PCE3821TR-ND	900	162.00	EEE-FK1J220XP
	22	0.08	1.2	13.9	E	120	PCE3820CT-ND	.59	.49	.45	.42	PCE3820TR-ND	1,000	216.00	EEE-FK1J220P
	33	0.08	0.65	20.8	F	250	PCE3822CT-ND	.76	.63	.58	.54	PCE3822TR-ND	500	140.50	EEE-FK1J330P
	47	0.08	0.65	29.6	F	250	PCE3823CT-ND	.76	.63	.58	.54	PCE3823TR-ND	500	140.50	EEE-FK1J470P
	68	0.08	0.65	42.8	F	250	PCE4307CT-ND	.72	.60	.56	.51	PCE4307TR-ND	500	127.00	EEE-FK1J680UP
	68	0.08	0.65	42.8	G	250	PCE3825CT-ND	.89	.73	.68	.63	PCE3825TR-ND	500	164.50	EEE-FK1J680P
	100	0.08	0.35	63.0	G	400	PCE3819CT-ND	.89	.73	.68	.63	PCE3819TR-ND	500	164.50	EEE-FK1J101P
	150	0.08	0.16	94.5	H13	800	PCE3526CT-ND	1.49	1.23	1.14	1.05	PCE3526TR-ND	200	105.00	EEV-FK1J151Q
	220	0.08	0.16	138.6	H13	800	PCE3484CT-ND	1.49	1.23	1.14	1.05	PCE3484TR-ND	200	105.00	EEV-FK1J221Q
	470	0.08	0.082	296.1	J16	1410	PCE3485CT-ND	2.44	2.01	1.87	—	PCE3485TR-ND	125	107.38	EEV-FK1J471M
	680	0.08	0.080	428.4	K16	1690	PCE3486CT-ND	2.87	2.37	2.20	—	PCE3486TR-ND	125	126.63	EEV-FK1J681M
80	3.3	0.08	5.0	3.0	C	25	PCE3830CT-ND	.31	.25	.24	.22	PCE3830TR-ND	1,000	113.00	EEE-FK1K3R3R
	4.7	0.08	3.0	3.8	D	40	PCE3832CT-ND	.36	.30	.28	.26	PCE3832TR-ND	1,000	132.00	EEE-FK1K4R7P
	10	0.08	2.4	8.0	D8	60	PCE3827CT-ND	.49	.41	.38	.35	PCE3827TR-ND	900	162.00	EEE-FK1K100XP
	10	0.08	2.4	8.0	E	60	PCE3826CT-ND	.59	.49	.45	.42	PCE3826TR-ND	1,000	216.00	EEE-FK1K100P
	22	0.08	1.3	17.6	F	130	PCE3828CT-ND	.76	.63	.58	.54	PCE3828TR-ND	500	140.50	EEE-FK1K220P
	33	0.08	1.3	26.4	F	130	PCE3829CT-ND	.76	.63	.58	.54	PCE3829TR-ND	500	140.50	EEE-FK1K330P
	47	0.08	0.7	37.6	G	200	PCE3831CT-ND	.89	.73	.68	.63	PCE3831TR-ND	500	164.50	EEE-FK1K470P
	68	0.08	0.32	54.4	H13	500	PCE3528CT-ND	1.49	1.23	1.14	1.05	PCE3528TR-ND	200	105.00	EEV-FK1K680Q
	100	0.08	0.32	80.0	H13	500	PCE3493CT-ND	1.49	1.23	1.14	1.05	PCE3493TR-ND	200	105.00	EEV-FK1K101Q
	150	0.08	0.32	120.0	H13	500	PCE3494CT-ND	1.49	1.23	1.14	1.05	PCE3494TR-ND	200	101.40	EEV-FK1K151Q
	330	0.08	0.17	264.0	J16	793	PCE3495CT-ND	2.44	2.01	1.87	—	PCE3495TR-ND	125	107.38	EEV-FK1K331M
	470	0.08	0.153	376.0	K16	917	PCE3496CT-ND	2.87	2.37	2.20	—	PCE3496TR-ND	125	126.63	EEV-FK1K471M
100	22	0.07	1.3	22.0	F	130	PCE3845CT-ND	.75	.62	.58	.53	PCE3845TR-ND	500	140.50	EEE-FK2A220P
	33	0.07	0.7	33.0	G	200	PCE3846CT-ND	.87	.72	.67	.62	PCE3846TR-ND	500	164.50	EEE-FK2A330P
	47	0.07	0.32	47.0	H13	500	PCE3497CT-ND	1.49	1.23	1.14	1.05	PCE3497TR-ND	200	105.00	EEV-FK2A470Q
	68	0.07	0.32	68.0	H13	500	PCE3498CT-ND	1.49	1.23	1.14	1.05	PCE3498TR-ND	200	101.40	EEV-FK2A680Q
	100	0.07	0.17	100.0	J16	793	PCE3504CT-ND	2.44	2.01	1.87	—	PCE3504TR-ND	125	107.38	EEV-FK2A101M
	150	0.07	0.17	150.0	J16	793	PCE3499CT-ND	2.44	2.01	1.87	—	PCE3499TR-ND	125	107.38	EEV-FK2A151M
	220	0.07	0.153	220.0	K16	917	PCE3500CT-ND	2.87	2.37	2.20	—	PCE3500TR-ND	125	126.63	EEV-FK2A221M
	330	0.07	0.153	330.0	K16	917	PCE3505CT-ND	2.87	2.37	2.20	—	PCE3505TR-ND	125	126.63	EEV-FK2A331M

Panasonic FK Series Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • Low Impedance (40-60% lower than FC) • Small Size (30-50% smaller than FC) • Long Life: 2000-5000H @ 105°C • Surface Mount Type • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement

Specifications: • Operating Temperature Range: -55°C ~ 105°C • Capacitance Tolerance: ±20% (120Hz, 20°C) • Leakage Current: I ≤ 0.01CV or 3(µA) whichever is greater measured after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)

Following specified values:

Impedance 120Hz	Working Voltage 6.3V	10V	16V	25V	35V	50V	63V	80V	100V
-25°C/+20°C	2	2	2	2	2	2	2	2	2
-40°C/+20°C	3	3	3	3	3	3	3	3	3
-55°C/+20°C	4	4	4	3	3	3	3	3	3

Size Code	Dimensions (mm) D	L	A	I	W
B	4	5.8	4.3	1.8	0.65±0.1
C	5	5.8	5.3	2.2	0.65±0.1
D	6.3	5.8	6.6	2.6	0.65±0.1
D8	6.3	7.7	6.6	2.6	0.65±0.1
E	8	6.2	8.3	3.4	0.65±0.1
F	8	10.2	8.3	3.4	0.90±0.2
G	10	10.2	10.3	3.5	0.90±0.2

Rated W.V. (VDC)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Impedance (Ω)	Max. Leakage Current (µA)	Size Code	Max. Ripple Cur. 100KHz, 105°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each 5	10	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
FK Series: Low Impedance (40-60% lower than FC), High Reliability, -55°C ~ 105°C (2000 Hour Life, GP Suffix 5000 Hour)															
6.3	22	0.26	1.35	3.0	B	90	PCE3377CT-ND	.25	.20	.19	.18	PCE3377TR-ND	2,000	85.00/M	EEV-FK0J220R
	47	0.26	1.35	3.0	B	90	PCE3378CT-ND	.25	.20	.19	.18	PCE3378TR-ND	2,000	85.00/M	EEV-FK0J470UR
	47	0.26	0.70	3.0	C	160	PCE3379CT-ND	.29	.24	.23	.21	PCE3379TR-ND	1,000	102.00	EEV-FK0J470R
	100	0.26	0.70	6.3	C	160	PCE3380CT-ND	.29	.24	.23	.21	PCE3380TR-ND	1,000	102.00	EEV-FK0J101UR
	100	0.26	0.36	6.3	D	240	PCE3381CT-ND	.34	.28	.26	.24	PCE3381TR-ND	1,000	120.00	EEV-FK0J101P
	220	0.26	0.36	13.9	D	240	PCE3382CT-ND	.34	.28	.26	.24	PCE3382TR-ND	1,000	120.00	EEV-FK0J221P
	330	0.26	0.26	20.8	E	300	PCE3383CT-ND	.56	.46	.43	.40	PCE3383TR-ND	1,000	196.00	EEV-FK0J331P
	330	0.26	0.34	20.8	D8	280	PCE3507CT-ND	.47	.39	.36	.33	PCE3507TR-ND	900	147.60	EEV-FK0J331XP
	470	0.26	0.16	29.6	F	600	PCE3384CT-ND	.72	.60	.56	.51	PCE3384TR-ND	500	127.00	EEV-FK0J471P
	470	0.26	0.16	29.6	F	600	PCE3708CT-ND	.79	.66	.61	.56	PCE3708TR-ND	500	139.50	EEV-FK0J471GP
	1000	0.26	0.16	63.0	F	600	PCE3385CT-ND	.72	.60	.56	.51	PCE3385TR-ND	500	127.00	EEV-FK0J102P
	1000	0.26	0.16	63.0	F	600	PCE3706CT-ND	.79	.66	.61	.56	PCE3706TR-ND	500	139.50	EEV-FK0J102GP

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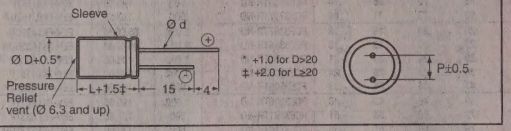
ed V.. (C)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Impe-dance (Ω)	Max. Leakage Current (µA)	Size Code	Max. Ripple Cur. 100KHz, 105°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each 5	10	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
3	1500	0.26	0.08	94.5	G	850	PCE3386CT-ND	.85	.70	.65	.60	PCE3386TR-ND	500	149.00	EEV-FK0J152P
	1500	0.26	0.08	94.5	G	850	PCE3707CT-ND	.93	.77	.71	.66	PCE3707TR-ND	500	163.50	EEV-FK0J152GP
	22	0.19	1.35	3.0	B	90	PCE3387CT-ND	.25	.20	.19	.18	PCE3387TR-ND	2,000	85.00/M	EEV-FK1A220R
	33	0.19	1.35	3.3	B	90	PCE3388CT-ND	.25	.20	.19	.18	PCE3388TR-ND	2,000	85.00/M	EEV-FK1A330UR
	33	0.19	0.70	3.3	C	160	PCE3389CT-ND	.29	.24	.23	.21	PCE3389TR-ND	1,000	102.00	EEV-FK1A330R
	150	0.19	0.36	15.0	D	240	PCE3508CT-ND	.34	.28	.26	.24	PCE3508TR-ND	1,000	120.00	EEV-FK1A151P
	220	0.19	0.34	22.0	D8	280	PCE3509CT-ND	.47	.39	.36	.33	PCE3509TR-ND	900	147.60	EEV-FK1A221XP
	220	0.19	0.26	22.0	E	300	PCE3390CT-ND	.56	.46	.43	.40	PCE3390TR-ND	1,000	196.00	EEV-FK1A221P
	330	0.19	0.16	33.0	F	600	PCE3391CT-ND	.72	.60	.56	.51	PCE3391TR-ND	500	127.00	EEV-FK1A331P
	330	0.19	0.16	33.0	F	600	PCE3710CT-ND	.79	.66	.61	.56	PCE3710TR-ND	500	139.50	EEV-FK1A331GP
	470	0.19	0.16	47.0	F	600	PCE3392CT-ND	.72	.60	.56	.51	PCE3392TR-ND	500	127.00	EEV-FK1A471P
	470	0.19	0.16	47.0	F	600	PCE3711CT-ND	.79	.66	.61	.56	PCE3711TR-ND	500	139.50	EEV-FK1A471GP
	680	0.49	0.016	68.0	G	600	PCE3510CT-ND	.72	.60	.56	.51	PCE3510TR-ND	500	127.00	EEV-FK1A681P
	1000	0.19	0.08	100.0	G	850	PCE3393CT-ND	.85	.70	.65	.60	PCE3393TR-ND	500	149.00	EEV-FK1A102P
	1000	0.19	0.08	100.0	G	850	PCE3709CT-ND	.93	.77	.71	.66	PCE3709TR-ND	500	163.50	EEV-FK1A102GP
	10	0.16	1.35	3.0	B	90	PCE3394CT-ND	.25	.20	.19	.18	PCE3394TR-ND	2,000	85.00/M	EEV-FK1C100R
	22	0.16	1.35	3.5	B	90	PCE3395CT-ND	.25	.20	.19	.18	PCE3395TR-ND	2,000	85.00/M	EEV-FK1C220UR
	22	0.16	0.70	3.5	C	160	PCE3396CT-ND	.29	.24	.23	.21	PCE3396TR-ND	1,000	102.00	EEV-FK1C220R
	47	0.16	0.70	7.5	C	160	PCE3397CT-ND	.29	.24	.23	.21	PCE3397TR-ND	1,000	102.00	EEV-FK1C470UR
	47	0.16	0.36	7.5	D	240	PCE3398CT-ND	.34	.28	.26	.24	PCE3398TR-ND	1,000	120.00	EEV-FK1C470P
	68	0.16	0.36	10.9	D	240	PCE3511CT-ND	.34	.28	.26	.24	PCE3511TR-ND	1,000	120.00	EEV-FK1C680P
	100	0.16	0.36	16.0	D	240	PCE3399CT-ND	.34	.28	.26	.24	PCE3399TR-ND	1,000	120.00	EEV-FK1C101P
	150	0.16	0.34	24.0	D8	280	PCE3512CT-ND	.47	.39	.36	.33	PCE3512TR-ND	900	147.60	EEV-FK1C151XP
	220	0.16	0.34	35.2	D8	280	PCE3513CT-ND	.47	.39	.36	.33	PCE3513TR-ND	900	147.60	EEV-FK1C221XP
	220	0.16	0.26	35.2	E	300	PCE3400CT-ND	.56	.46	.43	.40	PCE3400TR-ND	1,000	196.00	EEV-FK1C221P
	330	0.16	0.16	52.8	F	600	PCE3401CT-ND	.72	.60	.56	.51	PCE3401TR-ND	500	127.00	EEV-FK1C331P
	330	0.16	0.16	52.8	F	600	PCE3712CT-ND	.79	.66	.61	.56	PCE3712TR-ND	500	139.50	EEV-FK1C331GP
	470	0.16	0.16	75.2	F	600	PCE3402CT-ND	.72	.60	.56	.51	PCE3402TR-ND	500	127.00	EEV-FK1C471P
	470	0.16	0.16	75.2	F	600	PCE3713CT-ND	.79	.66	.61	.56	PCE3713TR-ND	500	139.50	EEV-FK1C471GP
	680	0.16	0.08	108.8	G	850	PCE3501CT-ND	.85	.70	.65	.60	PCE3501TR-ND	500	149.00	EEV-FK1C681P
	680	0.16	0.08	108.8	G	850	PCE3714CT-ND	.93	.77	.71	.66	PCE3714TR-ND	500	163.50	EEV-FK1C681GP
	10	0.14	1.35	3.0	B	90	PCE3403CT-ND	.25	.20	.19	.18	PCE3403TR-ND	2,000	85.00/M	EEV-FK1E100R
	22	0.14	0.70	5.5	C	160	PCE3404CT-ND	.29	.24	.23	.21	PCE3404TR-ND	1,000	102.00	EEV-FK1E220R
	33	0.14	0.70	8.3	C	160	PCE3405CT-ND	.29	.24	.23	.21	PCE3405TR-ND	1,000	102.00	EEV-FK1E330UR
	33	0.14	0.36	8.3	D	240	PCE3406CT-ND	.34	.28	.26	.24	PCE3406TR-ND	1,000	120.00	EEV-FK1E330P
	47	0.14	0.36	11.8	D	240	PCE3407CT-ND	.34	.28	.26	.24	PCE3407TR-ND	1,000	120.00	EEV-FK1E470P
	68	0.14	0.36	17.0	D	240	PCE3514CT-ND	.34	.28	.26	.24	PCE3514TR-ND	1,000	120.00	EEV-FK1E680P
	100	0.14	0.34	25.0	D8	280	PCE3515CT-ND	.47	.39	.36	.33	PCE3515TR-ND	900	147.60	EEV-FK1E101XP
	100	0.14	0.26	25.0	E	300	PCE3408CT-ND	.56	.46	.43	.40	PCE3408TR-ND	1,000	196.00	EEV-FK1E101P
	150	0.14	0.16	37.5	F	600	PCE3516CT-ND	.72	.60	.56	.51	PCE3516TR-ND	500	127.00	EEV-FK1E151P
	220	0.14	0.16	55.0	F	600	PCE3409CT-ND	.72	.60	.56	.51	PCE3409TR-ND	500	127.00	EEV-FK1E221P
	220	0.14	0.16	55.0	F	600	PCE3715CT-ND	.79	.66	.61	.56	PCE3715TR-ND	500	139.50	EEV-FK1E221GP
	330	0.14	0.16	82.5	F	600	PCE3410CT-ND	.72	.60	.56	.51	PCE3410TR-ND	500	127.00	EEV-FK1E331P
	330	0.14	0.16	82.5	F	600	PCE3716CT-ND	.79	.66	.61	.56	PCE3716TR-ND	500	139.50	EEV-FK1E331GP
	470	0.14	0.08	117.5	G	850	PCE3411CT-ND	.85	.70	.65	.60	PCE3411TR-ND	500	149.00	EEV-FK1E471P
	470	0.14	0.08	117.5	G	850	PCE3717CT-ND	.93	.77	.71	.66	PCE3717TR-ND	500	163.50	EEV-FK1E471GP
	4.7	0.12	1.35	3.0	B	90	PCE3412CT-ND	.25	.20	.19	.18	PCE3412TR-ND	2,000	85.00/M	EEV-FK1V4R7R
	10	0.12	1.35	3.5	B	90	PCE3413CT-ND	.25	.20	.19	.18	PCE3413TR-ND	2,000	85.00/M	EEV-FK1V100UR
	10	0.12	0.70	3.5	C	160	PCE3414CT-ND	.29	.24	.23	.21	PCE3414TR-ND	1,000	102.00	EEV-FK1V100R
	22	0.12	0.70	7.7	C	160	PCE3415CT-ND	.29	.24	.23	.21	PCE3415TR-ND	1,000	102.00	EEV-FK1V220R
	33	0.12	0.36	11.6	D	240	PCE3416CT-ND	.34	.28	.26	.24	PCE3416TR-ND	1,000	120.00	EEV-FK1V330P
	47	0.12	0.36	16.5	D	240	PCE3417CT-ND	.34	.28	.26	.24	PCE3417TR-ND	1,000	120.00	EEV-FK1V470P
	68	0.12	0.34	23.8	D8	280	PCE3517CT-ND	.47	.39	.36	.33	PCE3517TR-ND	900	147.60	EEV-FK1V680XP
	100	0.12	0.34	35.0	D8	280	PCE3518CT-ND	.47	.39	.36	.33	PCE3518TR-ND	900	147.60	EEV-FK1V101XP
	100	0.12	0.16	35.0	F	600	PCE3418CT-ND	.72	.60	.56	.51	PCE3418TR-ND	500	127.00	EEV-FK1V101P
	100	0.12	0.16	35.0	F	600	PCE3720CT-ND	.79	.66	.61	.56	PCE3720TR-ND	500	139.50	EEV-FK1V101GP
	150	0.12	0.16	52.5	F	600	PCE3519CT-ND	.72	.60	.56	.51	PCE3519TR-ND	500	127.00	EEV-FK1V151P
	220	0.12	0.16	77.0	F	600	PCE3419CT-ND	.72	.60	.56	.51	PCE3419TR-ND	500	127.00	EEV-FK1V221P
	220	0.12	0.16	77.0	F	600	PCE3721CT-ND	.79	.66	.61	.56	PCE3721TR-ND	500	139.50	EEV-FK1V221GP
	330	0.12	0.08	115.5	G	850	PCE3420CT-ND	.85	.70	.65	.60	PCE3420TR-ND	500	149.00	EEV-FK1V331P
	330	0.12	0.08	115.5	G	850	PCE3722CT-ND	.93	.77	.71	.66	PCE3722TR-ND	500	163.50	EEV-FK1V331GP
	4.7	0.10	2.90	3.0	B	60	PCE3467CT-ND	.25	.20	.19	.18	PCE3467TR-ND	2,000	85.00/M	EEV-FK1H4R7R
	10	0.10	1.52	5.0	C	85	PCE3468CT-ND	.29	.24	.23	.21	PCE3468TR-ND	1,000	102.00	EEV-FK1H100UR
	10	0.10	0.88	5.0	D	165	PCE3469CT-ND	.34	.28	.26	.24	PCE3469TR-ND	1,000	120.00	EEV-FK1H100P
	22	0.10	0.88	11.0	D	165	PCE3470CT-ND	.34	.28	.26	.24	PCE3470TR-ND	1,000	120.00	EEV-FK1H220P
	33	0.10	0.68	16.5	D8	195	PCE3520CT-ND	.47	.39	.36	.33	PCE3520TR-ND	900	147.60	EEV-FK1H330XP
	33	0.10	0.68	16.5	E	195	PCE3471CT-ND	.56	.46	.43	.40	PCE3471TR-ND	1,000	197.00	EEV-FK1H330P
	47	0.10	0.68	23.5	D8	195	PCE3521CT-ND	.47	.39	.36	.33	PCE3521TR-ND	900	147.60	EEV-FK1H470XP
	47	0.10	0.68	23.5	E	195	PCE3472CT-ND	.56	.46	.43	.40	PCE3472TR-ND	1,000	197.00	EEV-FK1H470P
	100	0.10	0.34	50.0	F	350	PCE3473CT-ND	.72	.60	.56	.51	PCE3473TR-ND	500	127.00	EEV-FK1H101P
	100	0.10	0.34	50.0	F	350	PCE3718CT-ND	.79	.66	.61	.56	PCE3718TR-ND	500	139.50	EEV-FK1H101GP
	150	0.10	0.18	75.0	G	670	PCE3522CT-ND	.85	.70	.65	.60	PCE3522TR-ND	500	149.00	EEV-FK1H151P
	220	0.10	0.18	110.0	G	670	PCE3474CT-ND	.85	.70	.65	.60	PCE3474TR-ND	500	149.00	EEV-FK1H221P
	220	0.10	0.18	110.0	G	670	PCE3719CT-ND	.93	.77	.71	.66	PCE3719TR-ND	500	163.50	EEV-FK1H221GP
	4.7	0.08	3.00	3.0	C	50	PCE3478CT-ND	.31	.25	.24	.22	PCE3478TR-ND	1,000	107.00	EEV-FK1J4R7R
	10	0.08	1.50	6.3	D	80	PCE3479CT-ND	.36	.30	.28	.26	PCE3479TR-ND	1,000	126.00	EEV-FK1J100P
	22	0.08	1.20	13.9	D8	120	PCE3524CT-ND	.49	.41	.38	.35	PCE3524TR-ND	900	154.80	EEV-FK1J220XP
	22	0.08	1.20	13.9	E	120	PCE3480CT-ND	.59	.49	.45	.42	PCE3480TR-ND	1,000	206.00	EEV-FK1J220P
	33	0.08	0.65	20.8	F	250	PCE3481CT-ND	.76	.63	.58	.54	PCE3481TR-ND	500	133.50	EEV-FK1J330P
	47	0.08	0.65	29.6	F	250	PCE3482CT-ND	.76	.63	.58	.54	PCE3482TR-ND	500	133.50	EEV-FK1J470P
	68	0.08	0.35	42.8	G	400	PCE3525CT-ND	.89	.73	.68	.63	PCE3525TR-ND	500	156.50	EEV-FK1J680P
	100	0.08	0.35	63.0	G	400	PCE3483CT-ND	.89	.73	.68	.63	PCE3483TR-ND	500	156.50	EEV-FK1J101P
	3.3	0.08	5.00	3.0	C	25	PCE3487CT-ND	.31	.25	.24	.22	PCE3487TR-ND	1,000	107.00	EEV-FK1K3R3R
	4.7	0.08	3.00	3.8	D	40	PCE3488CT-ND	.36	.30	.28	.26	PCE3488TR-ND	1,000	126.00	EEV-FK1K4R7P
	10	0.08	2.40	8.0	D8	60	PCE3527CT-ND	.49	.41	.38	.35	PCE3527TR-ND	900	154.80	EEV-FK1K100XP
	10	0.08	2.40	8.0	E	60	PCE3489CT-ND	.59	.49	.45	.42	PCE3489TR-ND	1,000	206.00	EEV-FK1K100P
	22	0.08	1.30	17.6	F	130	PCE3490CT-ND	.76	.63	.58	.54	PCE3490TR-ND	500	133.50	EEV-FK1K220P
	33	0.08	1.30	26.4	F	130	PCE3491CT-ND	.76	.63	.58	.54	PCE3491TR-ND	500	133.50	EEV-FK1K330P
	47	0.08	0.70	37.6	G	200	PCE3492CT-ND	.89	.73	.68	.63	PCE3492TR-ND	500	156.50	EEV-FK1K470P
	22	0.07	1.30	22.0	F	130	PCE3502CT-ND	.75	.62	.58	.53	PCE3502TR-ND	500	132.00	EEV-FK2A220P
	33	0.07	0.70	33.0	G	200	PCE3503CT-ND	.87	.72	.67	.62	PCE3503TR-ND	500	153.50	EEV-FK2A330

nichicon VR Series Aluminum Electrolytic Capacitors (Radial Lead)

General Purpose 85°C



FEATURES: • Radial lead standard type for general purpose • Miniature sized • Life: 2000 hours at 85°C

SPECIFICATIONS:

Temperature Range	-40°C ~ 85°C
Capacitance Tolerance	±20% at 120Hz, 20°C

• Leakage Current:

After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4(μA), whichever is greater.

After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.

• tan δ:
For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.
Measurement frequency: 120Hz, Temperature: 20°C.

Rated Voltage (V)	6.3	10	16	25	35	50	63	100
tan δ (Max.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08

• Stability at Low Temperature:

Rated Voltage (V)		6.3	10	16	25	35	50	63	100
Impedance Ratio ZT/Z20 Max.	Z-25°C/Z+20°C	5	4	3	2	2	2	2	2
	Z-40°C/Z+20°C	12	10	8	5	4	3	3	3

• Endurance: After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.

Capacitance Change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage Current	Initial specified value or less

• Shelf Life: After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value endurance characteristics listed above

• Marking: Printed with white color letter on black sleeve

Rated W.V. (VDC)	Cap. (μF)	Leakage Current (μA)	tan δ Maximum @120Hz/20°C	Rated Ripple Cur. @120Hz/85°C (mA rms)	Dimensions (mm) ØD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	Nichicon Part No.
	22	3.00	0.28	65	5.0	11.0	2.0	0.5	493-1000-ND	.20	1.24	8.37	UVR0J220MDD
	33	3.00	0.28	80	5.0	11.0	2.0	0.5	493-1001-ND	.20	1.24	8.37	UVR0J330MDD
	47	3.00	0.28	95	5.0	11.0	2.0	0.5	493-1002-ND	.20	1.24	8.37	UVR0J470MDD
	100	6.30	0.28	135	5.0	11.0	2.0	0.5	493-1003-ND	.24	1.52	10.23	UVR0J101MDD
	220	13.86	0.28	200	5.0	11.0	2.0	0.5	493-1004-ND	.24	1.60	11.28	UVR0J221MDD
	330	20.79	0.28	270	6.3	11.0	2.5	0.5	493-1005-ND	.26	1.79	12.65	UVR0J331MED
	470	29.61	0.28	320	6.3	11.0	2.5	0.5	493-1006-ND	.29	1.99	14.03	UVR0J471MED
	1000	63.00	0.28	540	8.0	11.5	3.5	0.6	493-1007-ND	.41	3.01	21.50	UVR0J102MPD
6.3	2200	138.60	0.30	1000	10.0	20.0	5.0	0.6	493-1008-ND	.57	4.24	30.25	UVR0J222MPD
	3300	207.90	0.32	1190	10.0	20.0	5.0	0.6	493-1009-ND	.58	4.29	31.49	UVR0J332MPD
	4700	296.10	0.34	1550	12.5	20.0	5.0	0.6	493-1010-ND	.96	7.14	52.41	UVR0J472MHD
	6800	428.40	0.38	1920	12.5	25.0	5.0	0.6	493-1011-ND	1.25	9.39	70.43	UVR0J682MHD
	10000	630.00	0.46	2350	16.0	25.0	7.5	0.8	493-1012-ND	1.64	12.30	92.25	UVR0J103MHD
	15000	945.00	0.56	2850	16.0	35.5	7.5	0.8	493-1013-ND	1.91	14.34	107.55	UVR0J153MHD
	22000	1386.00	0.70	3350	18.0	40.0	7.5	0.8	493-1014-ND	1.97	14.92	112.60	UVR0J223MHD
	22000	1386.00	0.70	3200	22.0	30.0	10.0	1.0	493-1015-ND	1.97	14.92	112.60	UVR0J223MRD
	33000	2079.00	0.92	3900	22.0	50.0	10.0	1.0	493-1016-ND	4.98	37.68	284.40	UVR0J333MRD
	33000	2079.00	0.92	3800	25.0	40.0	12.5	1.0	493-1017-ND	4.98	37.68	284.40	UVR0J333MRD
	22	3.00	0.24	65	5.0	11.0	2.0	0.5	493-1018-ND	.20	1.24	8.37	UVR1A220MDD
	33	3.30	0.24	85	5.0	11.0	2.0	0.5	493-1019-ND	.20	1.24	8.37	UVR1A330MDD
	47	4.70	0.24	100	5.0	11.0	2.0	0.5	493-1020-ND	.20	1.24	8.37	UVR1A470MDD
	100	10.00	0.24	145	5.0	11.0	2.0	0.5	493-1021-ND	.24	1.52	10.23	UVR1A101MDD
	220	22.00	0.24	240	6.3	11.0	2.5	0.5	493-1022-ND	.26	1.79	12.65	UVR1A221MED
	330	33.00	0.24	290	6.3	11.0	2.5	0.5	493-1023-ND	.30	2.03	14.30	UVR1A331MED
	470	47.00	0.24	350	6.3	11.0	2.5	0.5	493-1024-ND	.39	2.65	18.70	UVR1A471MED
	1000	100.00	0.24	650	10.0	12.5	5.0	0.6	493-1025-ND	.45	3.33	23.75	UVR1A102MPD
	2200	220.00	0.26	1100	10.0	20.0	5.0	0.6	493-1026-ND	.58	4.29	31.49	UVR1A222MPD
10	3300	330.00	0.28	1450	12.5	20.0	5.0	0.6	493-1027-ND	.89	6.59	48.41	UVR1A332MHD
	4700	470.00	0.30	1800	12.5	25.0	5.0	0.6	493-1028-ND	1.10	8.22	61.65	UVR1A472MHD
	6800	680.00	0.34	2250	16.0	25.0	7.5	0.8	493-1029-ND	1.65	12.39	92.93	UVR1A682MHD
	10000	1000.00	0.42	2700	16.0	35.5	7.5	0.8	493-1030-ND	1.91	14.34	107.55	UVR1A103MHD
	15000	1500.00	0.52	3100	18.0	35.5	7.5	0.8	493-1031-ND	1.99	14.91	111.83	UVR1A153MHD
	22000	2200.00	0.66	3700	20.0	40.0	10.0	1.0	493-1032-ND	2.71	20.48	154.60	UVR1A223MRD
	22000	2200.00	0.66	3300	25.0	30.0	12.5	1.0	493-1033-ND	2.71	20.48	154.60	UVR1A223MRD
	33000	3300.00	0.88	4500	22.0	50.0	10.0	1.0	493-1034-ND	5.43	41.08	310.00	UVR1A333MRD
	33000	3300.00	0.88	4800	25.0	40.0	12.5	1.0	493-1035-ND	5.43	41.08	310.00	UVR1A333MRD
	10	3.00	0.20	50	5.0	11.0	2.0	0.5	493-1036-ND	.20	1.24	8.37	UVR1C100MDD
	22	3.52	0.20	75	5.0	11.0	2.0	0.5	493-1037-ND	.20	1.24	8.37	UVR1C220MDD
	33	5.28	0.20	90	5.0	11.0	2.0	0.5	493-1038-ND	.20	1.24	8.37	UVR1C330MDD
	47	7.52	0.20	110	5.0	11.0	2.0	0.5	493-1039-ND	.24	1.52	10.23	UVR1C470MDD
	100	16.00	0.20	160	5.0	11.0	2.0	0.5	493-1040-ND	.24	1.60	11.28	UVR1C101MDD
	220	35.20	0.20	260	6.3	11.0	2.5	0.5	493-1041-ND	.30	2.03	14.30	UVR1C221MED
	330	52.80	0.20	370	8.0	11.5	3.5	0.6	493-1042-ND	.39	2.65	18.70	UVR1C331MPD
	470	75.20	0.20	440	8.0	11.5	3.5	0.6	493-1043-ND	.36	2.63	18.75	UVR1C471MPD
	1000	160.00	0.20	790	10.0	16.0	5.0	0.6	493-1044-ND	.57	4.20	30.00	UVR1C102MPD
16	2200	352.00	0.22	1300	12.5	20.0	5.0	0.6	493-1045-ND	.78	5.82	42.77	UVR1C222MHD
	3300	528.00	0.24	1700	12.5	25.0	5.0	0.6	493-1046-ND	1.20	8.97	67.28	UVR1C332MHD
	4700	752.00	0.26	2100	16.0	25.0	7.5	0.8	493-1047-ND	1.60	12.03	90.23	UVR1C472MHD
	6800	1088.00	0.30	2650	16.0	35.5	7.5	0.8	493-1048-ND	1.91	14.34	107.55	UVR1C682MHD
	10000	1600.00	0.38	2950	18.0	35.5	7.5	0.8	493-1049-ND	1.99	14.91	111.83	UVR1C103MHD
	10000	1600.00	0.38	3000	20.0	31.0	10.0	1.0	493-1050-ND	1.99	14.91	111.83	UVR1C103MRD
	15000	2400.00	0.46	3400	20.0	40.0	10.0	1.0	493-1051-ND	2.79	21.12	159.40	UVR1C153MRD
	15000	2400.00	0.46	3300	25.0	30.0	12.5	1.0	493-1052-ND	2.79	21.12	159.40	UVR1C153MRD
	22000	3520.00	0.58	4200	22.0	50.0	10.0	1.0	493-1053-ND	5.53	41.87	316.00	UVR1C223MRD
	22000	3520.00	0.58	4000	25.0	40.0	12.5	1.0	493-1054-ND	5.53	41.87	316.00	UVR1C223MRD
	33000	5280.00	0.78	4800	25.0	50.0	12.5	1.0	493-1055-ND	6.17	46.72	352.60	UVR1C333MRD
	4.7	3.00	0.16	35	5.0	11.0	2.0	0.5	493-1056-ND	.20	1.24	8.37	UVR1E4R7MDD
	10	3.00	0.16	55	5.0	11.0	2.0	0.5	493-1057-ND	.20	1.24	8.37	UVR1E100MDD
	22	5.50	0.16	80	5.0	11.0	2.0	0.5	493-1058-ND	.24	1.52	10.23	UVR1E220MDD
	33	8.25	0.16	95	5.0	11.0	2.0	0.5	493-1059-ND	.24	1.52	10.23	UVR1E330MDD
25	47	11.75	0.16	115	5.0	11.0	2.0	0.5	493-1060-ND	.23	1.56	11.00	UVR1E470MDD
	100	25.00	0.16	190	6.3	11.0	2.5	0.5	493-1061-ND	.27	1.83	12.93	UVR1E101MED
	220	55.00	0.16	330	8.0	11.5	3.5	0.6	493-1062-ND	.39	2.65	18.70	UVR1E221MPD
	330	82.50	0.16	440	10.0	12.5	5.0	0.6	493-1063-ND	.41	3.05	21.75	UVR1E331MPD

(Cont

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Rated W.V. (VDC)	Cap. (µF)	Leakage Current (µA)	tan δ Max. @120Hz/20°C	Rated Ripple Cur. @120Hz/85°C (mA rms)	Dimensions (mm) ØD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	Nichicon Part No.
	470	117.50	0.16	550	10.0	12.5	5.0	0.6	493-1064-ND	.41	3.01	21.50	UVR1E471MPD
	1000	250.00	0.16	960	10.0	20.0	5.0	0.6	493-1065-ND	.58	4.29	31.49	UVR1E102MPD
	2200	550.00	0.18	1550	12.5	25.0	5.0	0.6	493-1066-ND	1.20	8.97	67.28	UVR1E222MHD
	3300	825.00	0.20	1980	16.0	25.0	7.5	0.8	493-1067-ND	1.60	12.03	90.23	UVR1E332MHD
	4700	1175.00	0.22	2450	16.0	31.5	7.5	0.8	493-1068-ND	1.91	14.34	107.55	UVR1E472MHD
25	6800	1700.00	0.26	2900	18.0	35.5	7.5	0.8	493-1069-ND	2.01	15.21	114.80	UVR1E682MHD
	6800	1700.00	0.26	2700	20.0	31.0	10.0	1.0	493-1070-ND	2.01	15.21	114.80	UVR1E682MRD6
	10000	2500.00	0.34	3000	20.0	40.0	10.0	1.0	493-1071-ND	2.94	22.23	167.80	UVR1E103MRD
	10000	2500.00	0.34	2900	25.0	30.0	12.5	1.0	493-1072-ND	2.94	22.23	167.80	UVR1E103MRD6
	15000	3750.00	0.42	3800	22.0	50.0	10.0	1.0	493-1073-ND	5.53	41.87	316.00	UVR1E153MRD
	15000	3750.00	0.42	3600	25.0	40.0	12.5	1.0	493-1074-ND	5.53	41.87	316.00	UVR1E153MRD6
	22000	5500.00	0.54	4500	25.0	50.0	12.5	1.0	493-1075-ND	6.17	46.72	352.60	UVR1E223MRD
	4.7	3.00	0.14	40	5.0	11.0	2.0	0.5	493-1076-ND	.20	1.24	8.37	UVR1V4R7MDD
	10	3.50	0.14	60	5.0	11.0	2.0	0.5	493-1077-ND	.20	1.24	8.37	UVR1V100MDD
	22	7.70	0.14	90	5.0	11.0	2.0	0.5	493-1078-ND	.24	1.52	10.23	UVR1V220MDD
	33	11.55	0.14	105	5.0	11.0	2.0	0.5	493-1079-ND	.23	1.56	11.00	UVR1V330MDD
	47	16.45	0.14	130	5.0	11.0	2.0	0.5	493-1080-ND	.24	1.60	11.28	UVR1V470MDD
	100	35.00	0.14	210	6.3	11.0	2.5	0.5	493-1081-ND	.30	2.03	14.30	UVR1V101MED
	220	77.00	0.14	385	10.0	12.5	5.0	0.6	493-1082-ND	.41	3.05	21.75	UVR1V221MPD
	330	115.50	0.14	490	10.0	12.5	5.0	0.6	493-1083-ND	.47	3.47	24.75	UVR1V331MPD
	470	164.50	0.14	650	10.0	16.0	5.0	0.6	493-1084-ND	.57	4.24	30.25	UVR1V471MPD
35	1000	350.00	0.14	1150	12.5	20.0	5.0	0.6	493-1085-ND	.92	6.88	50.53	UVR1V102MHD
	2200	770.00	0.16	1800	16.0	25.0	7.5	0.8	493-1086-ND	1.44	10.77	80.78	UVR1V222MHD
	3300	1155.00	0.18	2280	16.0	35.5	7.5	0.8	493-1087-ND	1.91	14.34	107.55	UVR1V332MHD
	4700	1645.00	0.20	2700	18.0	35.5	7.5	0.8	493-1088-ND	1.87	14.15	106.80	UVR1V472MHD
	4700	1645.00	0.20	2700	20.0	31.0	10.0	1.0	493-1089-ND	1.87	14.15	106.80	UVR1V472MRD6
	6800	2380.00	0.24	3000	20.0	40.0	10.0	1.0	493-1090-ND	2.79	21.12	159.40	UVR1V682MRD
	6800	2380.00	0.24	2900	25.0	30.0	12.5	1.0	493-1091-ND	2.79	21.12	159.40	UVR1V682MRD6
	10000	3500.00	0.32	3700	22.0	50.0	10.0	1.0	493-1092-ND	4.45	33.66	254.00	UVR1V103MRD
	10000	3500.00	0.32	3600	25.0	40.0	12.5	1.0	493-1093-ND	4.45	33.66	254.00	UVR1V103MRD6
	15000	5250.00	0.40	4300	25.0	50.0	12.5	1.0	493-1094-ND	6.17	46.72	352.60	UVR1V153MRD
	0.1	3.00	0.12	1.3	5.0	11.0	2.0	0.5	493-1095-ND	.20	1.24	8.37	UVR1H0R1MDD
	0.22	3.00	0.12	2.9	5.0	11.0	2.0	0.5	493-1096-ND	.20	1.24	8.37	UVR1HR22MDD
	0.33	3.00	0.12	4.3	5.0	11.0	2.0	0.5	493-1097-ND	.20	1.24	8.37	UVR1HR33MDD
	0.47	3.00	0.12	6.2	5.0	11.0	2.0	0.5	493-1098-ND	.20	1.24	8.37	UVR1HR47MDD
	1	3.00	0.12	17	5.0	11.0	2.0	0.5	493-1099-ND	.20	1.24	8.37	UVR1H010MDD
	2.2	3.00	0.12	28	5.0	11.0	2.0	0.5	493-1100-ND	.20	1.24	8.37	UVR1H2R2MDD
	3.3	3.00	0.12	35	5.0	11.0	2.0	0.5	493-1101-ND	.20	1.24	8.37	UVR1H3R3MDD
	4.7	3.00	0.12	40	5.0	11.0	2.0	0.5	493-1102-ND	.20	1.24	8.37	UVR1H4R7MDD
	10	5.00	0.12	60	5.0	11.0	2.0	0.5	493-1103-ND	.24	1.52	10.23	UVR1H100MDD
	22	11.00	0.12	95	5.0	11.0	2.0	0.5	493-1104-ND	.23	1.56	11.00	UVR1H220MDD
	33	16.50	0.12	125	5.0	11.0	2.0	0.5	493-1105-ND	.25	1.68	11.83	UVR1H330MDD
	47	23.50	0.12	155	6.3	11.0	2.5	0.5	493-1106-ND	.27	1.83	12.93	UVR1H470MED
50	100	50.00	0.12	260	8.0	11.5	3.5	0.6	493-1107-ND	.35	2.56	18.25	UVR1H101MPD
	220	110.00	0.12	430	10.0	12.5	5.0	0.6	493-1108-ND	.51	3.75	26.75	UVR1H221MPD
	330	165.00	0.12	590	10.0	16.0	5.0	0.6	493-1109-ND	.56	4.19	30.79	UVR1H331MPD
	470	235.00	0.12	760	12.5	20.0	5.0	0.6	493-1110-ND	.67	4.99	36.66	UVR1H471MHD
	1000	500.00	0.12	1350	12.5	25.0	5.0	0.6	493-1111-ND	1.07	7.94	58.28	UVR1H102MHD
	2200	1100.00	0.14	2100	16.0	35.5	7.5	0.8	493-1112-ND	1.91	14.34	107.55	UVR1H222MHD
	3300	1650.00	0.16	2500	18.0	35.5	7.5	0.8	493-1113-ND	2.01	15.21	114.80	UVR1H332MHD
	3300	1650.00	0.16	2450	22.0	30.0	10.0	1.0	493-1114-ND	2.01	15.21	114.80	UVR1H332MRD6
	4700	2350.00	0.18	2900	20.0	40.0	10.0	1.0	493-1115-ND	3.49	26.45	199.60	UVR1H472MRD
	4700	2350.00	0.18	2900	25.0	30.0	12.5	1.0	493-1116-ND	3.49	26.45	199.60	UVR1H472MRD6
	6800	3400.00	0.22	3500	22.0	50.0	10.0	1.0	493-1117-ND	4.45	33.66	254.00	UVR1H682MRD
	6800	3400.00	0.22	3300	25.0	40.0	12.5	1.0	493-1118-ND	4.45	33.66	254.00	UVR1H682MRD6
	10000	5000.00	0.30	4000	25.0	50.0	12.5	1.0	493-1119-ND	6.17	46.72	352.60	UVR1H103MRD
	10	6.30	0.10	65	5.0	11.0	2.0	0.5	493-1120-ND	.24	1.52	10.23	UVR1J100MDD
	22	13.86	0.10	100	5.0	11.0	2.0	0.5	493-1121-ND	.25	1.68	11.83	UVR1J220MDD
	33	20.79	0.10	140	6.3	11.0	2.5	0.5	493-1122-ND	.27	1.83	12.93	UVR1J330MED
	47	29.61	0.10	170	6.3	11.0	2.5	0.5	493-1123-ND	.30	2.03	14.30	UVR1J470MED
	100	63.00	0.10	300	10.0	12.5	5.0	0.6	493-1124-ND	.43	3.15	22.50	UVR1J101MPD
	220	138.60	0.10	490	10.0	16.0	5.0	0.6	493-1125-ND	.56	4.19	30.79	UVR1J221MPD
	330	207.90	0.10	710	10.0	20.0	5.0	0.6	493-1126-ND	.64	4.77	35.02	UVR1J331MPD
63	470	296.10	0.10	900	12.5	20.0	5.0	0.6	493-1127-ND	.89	6.59	48.41	UVR1J471MHD
	1000	630.00	0.10	1300	16.0	25.0	7.5	0.8	493-1129-ND	1.41	10.56	79.20	UVR1J102MHD
	2200	1386.00	0.12	2300	18.0	35.5	7.5	0.8	493-1130-ND	1.88	14.23	107.40	UVR1J222MHD
	3300	2079.00	0.14	2700	20.0	40.0	10.0	1.0	493-1131-ND	3.45	26.13	197.20	UVR1J332MRD
	3300	2079.00	0.14	2600	25.0	30.0	12.5	1.0	493-1132-ND	3.45	26.13	197.20	UVR1J332MRD6
	4700	2961.00	0.16	3400	22.0	50.0	10.0	1.0	493-1133-ND	4.40	33.34	251.60	UVR1J472MRD
	4700	2961.00	0.16	3200	25.0	40.0	12.5	1.0	493-1134-ND	4.40	33.34	251.60	UVR1J472MRD6
	6800	4284.00	0.20	3900	25.0	50.0	12.5	1.0	493-1135-ND	5.95	45.08	340.20	UVR1J682MRD
	0.1	3.00	0.08	2.1	5.0	11.0	2.0	0.5	493-1136-ND	.20	1.24	8.37	UVR2A0R1MDD
	0.22	3.00	0.08	4.7	5.0	11.0	2.0	0.5	493-1137-ND	.20	1.24	8.37	UVR2AR22MDD
	0.33	3.00	0.08	7	5.0	11.0	2.0	0.5	493-1138-ND	.20	1.24	8.37	UVR2AR33MDD
	0.47	3.00	0.08	10	5.0	11.0	2.0	0.5	493-1139-ND	.20	1.24	8.37	UVR2AR47MDD
	1	3.00	0.08	21	5.0	11.0	2.0	0.5	493-1140-ND	.20	1.24	8.37	UVR2A010MDD
	2.2	3.00	0.08	30	5.0	11.0	2.0	0.5	493-1141-ND	.20	1.24	8.37	UVR2A2R2MDD
	3.3	3.30	0.08	40	5.0	11.0	2.0	0.5	493-1142-ND	.24	1.52	10.23	UVR2A3R3MDD
	4.7	4.70	0.08	45	5.0	11.0	2.0	0.5	493-1143-ND	.24	1.52	10.23	UVR2A4R7MDD
	10	10.00	0.08	75	6.3	11.0	2.5	0.5	493-1144-ND	.25	1.68	11.83	UVR2A100MED
00	22	22.00	0.08	130	6.3	11.0	2.5	0.5	493-1145-ND	.30	2.03	14.30	UVR2A220MED
	33	33.00	0.08	180	8.0	11.5	3.5	0.6	493-1146-ND	.39	2.65	18.70	UVR2A330MPD
	47	47.00	0.08	230	10.0	12.5	5.0	0.6	493-1147-ND	.37	2.70	19.25	UVR2A470MPD
	100	100.00	0.08	370	10.0	20.0	5.0	0.6	493-1148-ND	.59	4.34	31.00	UVR2A101MPD
	220	220.00	0.08	620	12.5	25.0	5.0	0.6	493-1149-ND	.96	7.14	52.41	UVR2A221MHD
	330	330.00	0.08	760	12.5	25.0	5.0	0.6	493-1150-ND	1.07	7.94	58.28	UVR2A331MHD
	470	470.00	0.08	1000	16.0	25.0	7.5	0.8	493-1151-ND	1.41	10.56	79.20	UVR2A471MHD
	1000	1000.00	0.08	1380	18.0	40.0	7.5	0.8	493-1152-ND	1.91	14.34	107.55	UVR2A102MHD
	2200	2200.00	0.10	2400	22.0	50.0	10.0	1.0	493-1153-ND	4.63	35.06	264.60	UVR2A222MRD
	2200	2200.00	0.10	2400	25.0	40.0	12.5	1.0	493-1154-ND	4.63	35.06	264.60	UVR2A222MRD6
	3300	3300.00	0.12	2900	25.0	50.0	12.5	1.0	493-1155-ND	4.83	36.54	275.80	UVR2A332MRD

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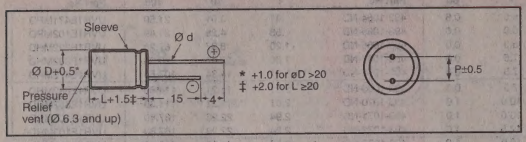
nichicon VZ Series Aluminum Electrolytic Capacitors (Radial Lead)

General Purpose 105°C



FEATURES: • Radial lead standard type for general purpose • Small case size • Wide temperature range • Life: 1000 hours at 105°C

SPECIFICATIONS:

Temperature Range	-55°C ~ 105°C
Capacitance Tolerance	±20% at 120Hz, 20°C

• Leakage Current:

After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.

After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.

• tan δ:
For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF. Measurement frequency: 120Hz, Temperature: 20°C.

Rated Volt. (V)	6.3	10	16	25
tan δ (Max.)	0.28	0.24	0.20	0.16

• Stability at Low Temperature: Measurement frequency: 12

Rated Voltage (V)		6.3	10	16	25
Impedance ratio	Z-25°C/Z+20°C	5	4	3	2
ZT/Z20 (Max.)	Z-40°C/Z+20°C	10	8	6	4

• Endurance:
After 1000 hours application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.

Capacitance Change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage Current	Initial specified value or less

• Shelf Life: After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified valu endurance characteristics listed above.

• Marking: Printed with white color letter on black sleeve.

Rated Voltage (VDC)	Cap. (μF)	Leakage Current (μA)	tan δ (Maximum) @120Hz/20°C	Rated Ripple Cur. @120Hz/105°C (mA) rms	Dimensions (mm) ØD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	Nichicon Part No.
6.3	22	3.00	0.28	45	5.0	11.0	2.0	0.5	493-1247-ND	.26	1.66	11.16	UVZ0J220MDD
	33	3.00	0.28	55	5.0	11.0	2.0	0.5	493-1248-ND	.26	1.66	11.16	UVZ0J330MDD
	47	3.00	0.28	65	5.0	11.0	2.0	0.5	493-1249-ND	.26	1.66	11.16	UVZ0J470MDD
	100	6.30	0.28	95	5.0	11.0	2.0	0.5	493-1250-ND	.25	1.72	12.10	UVZ0J101MDD
	220	13.86	0.28	145	5.0	11.0	2.0	0.5	493-1251-ND	.30	2.07	14.58	UVZ0J221MDD
	330	20.79	0.28	195	6.3	11.0	2.5	0.5	493-1252-ND	.35	2.34	16.50	UVZ0J331MED
	470	29.61	0.28	230	6.3	11.0	2.5	0.5	493-1253-ND	.36	2.46	17.33	UVZ0J471MED
	1000	63.00	0.28	390	8.0	11.5	3.5	0.6	493-1254-ND	.25	1.72	12.10	UVZ0J102MPD
	2200	138.60	0.30	710	10.0	20.0	5.0	0.6	493-1255-ND	.65	4.80	35.25	UVZ0J222MPD
	3300	207.90	0.32	840	10.0	20.0	5.0	0.6	493-1256-ND	.72	5.38	39.48	UVZ0J332MPD
	4700	296.10	0.34	1090	12.5	20.0	5.0	0.6	493-1257-ND	1.06	7.98	59.85	UVZ0J472MHD
	6800	428.40	0.38	1350	12.5	25.0	5.0	0.6	493-1258-ND	1.49	11.19	83.93	UVZ0J682MHD
	10000	630.00	0.46	1650	16.0	25.0	7.5	0.8	493-1259-ND	1.96	14.67	110.03	UVZ0J103MHD
	15000	945.00	0.56	2010	16.0	35.5	7.5	0.8	493-1260-ND	2.25	17.04	128.60	UVZ0J153MHD
	22000	1386.00	0.70	2350	18.0	40.0	7.5	0.8	493-1261-ND	2.65	20.06	151.40	UVZ0J223MHD
	33000	2079.00	0.92	2800	22.0	50.0	10.0	1.0	493-1262-ND	4.90	37.13	280.20	UVZ0J333MRD
10	22	3.00	0.24	45	5.0	11.0	2.0	0.5	493-1263-ND	.26	1.66	11.16	UVZ1A220MDD
	33	3.30	0.24	58	5.0	11.0	2.0	0.5	493-1264-ND	.26	1.66	11.16	UVZ1A330MDD
	47	4.70	0.24	68	5.0	11.0	2.0	0.5	493-1265-ND	.26	1.66	11.16	UVZ1A470MDD
	100	10.00	0.24	105	5.0	11.0	2.0	0.5	493-1266-ND	.25	1.72	12.10	UVZ1A101MDD
	220	22.00	0.24	175	6.3	11.0	2.5	0.5	493-1267-ND	.35	2.34	16.50	UVZ1A221MED
	330	33.00	0.24	210	6.3	11.0	2.5	0.5	493-1268-ND	.37	2.50	17.60	UVZ1A331MED
	470	47.00	0.24	250	6.3	11.0	2.5	0.5	493-1269-ND	.40	2.98	21.25	UVZ1A471MED
	1000	100.00	0.24	460	10.0	12.5	5.0	0.6	493-1270-ND	.57	4.20	30.00	UVZ1A102MPD
	2200	220.00	0.26	760	10.0	20.0	5.0	0.6	493-1271-ND	.72	5.38	39.48	UVZ1A222MPD
	3300	330.00	0.28	1000	12.5	20.0	5.0	0.6	493-1272-ND	1.06	7.87	57.81	UVZ1A332MHD
	4700	470.00	0.30	1260	12.5	25.0	5.0	0.6	493-1273-ND	1.30	9.78	73.35	UVZ1A472MHD
	6800	680.00	0.34	1570	16.0	25.0	7.5	0.8	493-1274-ND	1.97	14.76	110.70	UVZ1A682MHD
	10000	1000.00	0.42	1890	16.0	35.5	7.5	0.8	493-1275-ND	2.25	17.04	128.60	UVZ1A103MHD
	15000	1500.00	0.52	2180	18.0	35.5	7.5	0.8	493-1276-ND	2.39	18.13	136.80	UVZ1A153MHD
	22000	2200.00	0.66	2650	20.0	40.0	10.0	1.0	493-1277-ND	3.44	26.02	196.40	UVZ1A223MRD
	33000	3300.00	0.88	3250	22.0	50.0	10.0	1.0	493-1278-ND	5.44	41.21	311.00	UVZ1A333MRD
16	10	3.00	0.20	35	5.0	11.0	2.0	0.5	493-1279-ND	.26	1.66	11.16	UVZ1C100MDD
	22	3.52	0.20	54	5.0	11.0	2.0	0.5	493-1280-ND	.26	1.66	11.16	UVZ1C220MDD
	33	5.28	0.20	65	5.0	11.0	2.0	0.5	493-1281-ND	.26	1.66	11.16	UVZ1C330MDD
	47	7.52	0.20	79	5.0	11.0	2.0	0.5	493-1282-ND	.25	1.72	12.10	UVZ1C470MDD
	100	16.00	0.20	115	5.0	11.0	2.0	0.5	493-1283-ND	.30	2.07	14.58	UVZ1C101MDD
	220	35.20	0.20	190	6.3	11.0	2.5	0.5	493-1284-ND	.37	2.54	17.88	UVZ1C221MED
	330	52.80	0.20	265	8.0	11.5	3.5	0.6	493-1285-ND	.40	2.98	21.25	UVZ1C331MPD
	470	75.20	0.20	315	8.0	11.5	3.5	0.6	493-1286-ND	.44	3.26	23.25	UVZ1C471MPD
	1000	160.00	0.20	560	10.0	16.0	5.0	0.6	493-1287-ND	.65	4.80	35.25	UVZ1C102MPD
	2200	352.00	0.22	920	12.5	20.0	5.0	0.6	493-1288-ND	1.02	7.68	57.60	UVZ1C222MHD
	3300	528.00	0.24	1170	12.5	25.0	5.0	0.6	493-1289-ND	1.42	10.68	80.10	UVZ1C332MHD
	4700	752.00	0.26	1480	16.0	25.0	7.5	0.8	493-1290-ND	1.92	14.37	107.78	UVZ1C472MHD
	6800	1088.00	0.30	1780	16.0	35.5	7.5	0.8	493-1291-ND	2.25	17.04	128.60	UVZ1C682MHD
	10000	1600.00	0.38	2060	18.0	35.5	7.5	0.8	493-1292-ND	2.39	18.13	136.80	UVZ1C103MHD
	15000	2400.00	0.48	2430	20.0	40.0	10.0	1.0	493-1293-ND	3.44	26.02	196.40	UVZ1C153MRD
	22000	3520.00	0.62	3000	22.0	50.0	10.0	1.0	493-1294-ND	5.44	41.21	311.00	UVZ1C223MRD
	33000	5280.00	0.84	3450	25.0	50.0	12.5	1.0	493-1295-ND	7.56	57.21	431.80	UVZ1C333MRD
25	4.7	3.00	0.16	25	5.0	11.0	2.0	0.5	493-1296-ND	.26	1.66	11.16	UVZ1E4R7MDD
	10	3.00	0.16	36	5.0	11.0	2.0	0.5	493-1297-ND	.22	1.38	9.30	UVZ1E100MDD
	22	5.50	0.16	58	5.0	11.0	2.0	0.5	493-1298-ND	.22	1.38	9.30	UVZ1E220MDD
	33	8.25	0.16	68	5.0	11.0	2.0	0.5	493-1299-ND	.25	1.72	12.10	UVZ1E330MDD
	47	11.75	0.16	83	5.0	11.0	2.0	0.5	493-1300-ND	.22	1.38	9.30	UVZ1E470MDD
	100	25.00	0.16	140	6.3	11.0	2.5	0.5	493-1301-ND	.28	1.75	11.78	UVZ1E101MED

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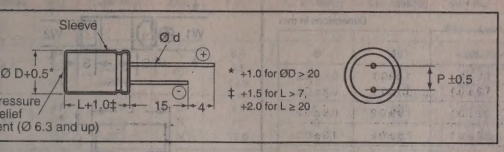

TURES:

niature sized • Low impedance • High reliability withstanding 5000 hour load life at 105°C (3000/2000 s for smaller case sizes as specified) • Ideal for switching power supplies

CIFICATIONS:

Temperature Range	-55°C ~ 105°C
Capacitance Tolerance	±20% at 120Hz, 20°C

kage Current:

1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is ter.

• **tan δ:**
For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.
Measurement frequency: 120Hz, Temperature: 20°C.

Rated Volt. (V)	6.3	10
tan δ (Max.)	0.22	0.19

• **Stability at Low Temperature:**

Impedance Ratio	Z-55°C/Z+20°C	3

• **Endurance:** After an application of D.C. bias voltage plus the rated ripple current for 5000 hours (2000 hours for D = 4, 5 and 6.3, 3000 hours for D = 8 and 10) at 105°C the peak voltage shall not exceed the rated D.C. voltage; capacitors meet the characteristic requirements listed at right.

Capacitance Change	Within ±20% of initial value
tan δ	200 % or less of initial specified value
Leakage Current	Initial specified value or less

• **Shelf Life:** After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed

• **Marking:** Printed with white color letter on dark brown sleeve

ated ltage (DC)	Cap (μF)	Leakage Current (μA)	Impedance Ω Maximum 20°C/100KHz	tan δ (Maximum) @120Hz/20°C	Rated Ripple Cur. @100KHz/105°C (mA) rms	Dimensions (mm) ØD	L	P	ød	Digi-Key Part No.	Pricing 1	10	100	Nichicon Part No.
	22	4.158	0.600	0.22	180	5	11.0	2.0	0.50	493-1687-ND	24	1.60	11.28	UPW0J220MDD
	27	5.103	2.000	0.22	65	4	7.0	1.5	0.45	493-1688-ND	24	1.60	11.28	UPW0J270MDD
	33	6.237	0.600	0.22	180	5	11.0	2.0	0.50	493-1689-ND	24	1.60	11.28	UPW0J330MDD
	33	6.237	0.950	0.22	120	5	7.0	2.0	0.45	493-1690-ND	24	1.60	11.28	UPW0J330MDD6
	47	8.883	0.600	0.22	180	5	11.0	2.0	0.50	493-1691-ND	24	1.60	11.28	UPW0J470MDD
	47	8.883	0.950	0.22	120	5	7.0	2.0	0.45	493-1692-ND	24	1.60	11.28	UPW0J470MDD6
	56	10.584	0.950	0.22	120	5	7.0	2.0	0.45	493-1693-ND	24	1.60	11.28	UPW0J560MDD
	68	12.852	1.300	0.22	120	4	11.0	1.5	0.45	493-1694-ND	26	1.79	12.65	UPW0J680MDD
	100	18.9	0.600	0.22	180	5	11.0	2.0	0.50	493-1695-ND	27	1.83	12.93	UPW0J101MDD
	120	22.68	0.450	0.22	200	6.3	7.0	2.5	0.45	493-1696-ND	30	2.03	14.30	UPW0J121MDD
	150	28.35	0.500	0.22	235	5	15.0	2.0	0.50	493-1697-ND	30	2.03	14.30	UPW0J151MDD6
	150	28.35	0.250	0.22	290	6.3	11.0	2.5	0.50	493-1698-ND	30	2.03	14.30	UPW0J151MED
	220	41.58	0.250	0.22	290	6.3	11.0	2.5	0.50	493-1699-ND	33	2.26	15.95	UPW0J221MED
	330	62.37	0.250	0.22	290	6.3	11.0	2.5	0.50	493-1700-ND	40	2.69	18.98	UPW0J331MED
	330	62.37	0.230	0.22	430	6.3	15.0	2.5	0.50	493-1701-ND	40	2.69	18.98	UPW0J331MED6
	470	88.83	0.117	0.22	555	8	11.5	3.5	0.60	493-1702-ND	35	2.56	18.25	UPW0J471MPD
	560	105.84	0.117	0.22	555	8	11.5	3.5	0.60	493-1703-ND	37	2.70	19.25	UPW0J561MPD
	680	128.52	0.090	0.22	755	10	12.5	5.0	0.60	493-1704-ND	38	2.77	19.75	UPW0J681MPD
	820	154.98	0.085	0.22	730	8	15.0	3.5	0.60	493-1705-ND	51	3.75	26.75	UPW0J821MPD
	820	154.98	0.090	0.22	755	10	12.5	5.0	0.60	493-1706-ND	51	3.75	26.75	UPW0J821MPD6
	1000	189	0.090	0.22	755	10	12.5	5.0	0.60	493-1707-ND	56	4.13	29.50	UPW0J102MPD
	1200	226.8	0.065	0.22	995	8	20.0	3.5	0.60	493-1708-ND	57	4.17	29.75	UPW0J122MPD
	1200	226.8	0.068	0.22	1050	10	16.0	5.0	0.60	493-1709-ND	61	4.54	33.37	UPW0J122MPD6
	1500	283.5	0.052	0.22	1220	10	20.0	5.0	0.60	493-1710-ND	61	4.54	33.37	UPW0J152MPD
	2200	415.8	0.038	0.24	1655	12.5	20.0	5.0	0.60	493-1711-ND	80	5.95	43.71	UPW0J222MHD
	2200	415.8	0.045	0.24	1440	10	25.0	5.0	0.60	493-1712-ND	80	5.95	43.71	UPW0J222MPD6
	2700	510.3	0.035	0.24	1815	10	31.5	5.0	0.60	493-1713-ND	1.01	7.55	55.46	UPW0J272MPD
	3300	623.7	0.038	0.26	1655	12.5	20.0	5.0	0.60	493-1714-ND	1.05	7.81	57.34	UPW0J332MHD
	3900	737.1	0.030	0.26	1945	12.5	25.0	5.0	0.60	493-1715-ND	1.16	8.70	65.25	UPW0J392MHD
	4700	888.3	0.022	0.28	2555	16	25.0	7.5	0.80	493-1716-ND	1.19	8.91	66.83	UPW0J472MHD
	4700	888.3	0.025	0.28	2310	12.5	31.5	5.0	0.80	493-1717-ND	1.19	8.91	66.83	UPW0J472MHD6
	5600	1058.4	0.022	0.30	2510	12.5	35.5	5.0	0.80	493-1718-ND	1.49	11.16	83.70	UPW0J562MHD
	5600	1058.4	0.029	0.30	2205	16	20.0	7.5	0.80	493-1719-ND	1.49	11.16	83.70	UPW0J562MHD6
	6800	1285.2	0.022	0.32	2555	16	25.0	7.5	0.80	493-1720-ND	1.52	11.40	85.50	UPW0J682MHD
	6800	1285.2	0.028	0.32	2490	18	20.0	7.5	0.80	493-1721-ND	1.52	11.40	85.50	UPW0J682MHD6
	8200	1549.8	0.018	0.36	3010	16	31.5	7.5	0.80	493-1722-ND	1.83	13.89	104.80	UPW0J822MHD
	10000	1890	0.016	0.40	3150	16	31.5	7.5	0.80	493-1723-ND	1.93	14.63	110.40	UPW0J103MHD
	10000	1890	0.020	0.40	2740	18	25.0	7.5	0.80	493-1724-ND	1.93	14.63	110.40	UPW0J103MHD6
	12000	2268	0.016	0.44	3635	18	31.5	7.5	0.80	493-1725-ND	2.25	17.07	128.80	UPW0J123MHD
	15000	2835	0.015	0.5	3680	18	35.5	7.5	0.80	493-1726-ND	2.38	18.02	136.00	UPW0J153MHD
	22	6.6	0.600	0.19	180	5	11.0	2.0	0.50	493-1727-ND	24	1.60	11.28	UPW1A220MDD
	22	6.6	2.000	0.19	65	4	7.0	1.5	0.45	493-1728-ND	24	1.60	11.28	UPW1A220MDD6
	33	9.9	0.600	0.19	180	5	11.0	2.0	0.50	493-1729-ND	24	1.60	11.28	UPW1A330MDD
	33	9.9	0.950	0.19	120	5	7.0	2.0	0.45	493-1730-ND	24	1.60	11.28	UPW1A330MDD6
	39	11.7	0.950	0.19	120	5	7.0	2.0	0.45	493-1731-ND	24	1.60	11.28	UPW1A390MDD
	47	14.1	0.600	0.19	180	5	11.0	2.0	0.50	493-1732-ND	24	1.60	11.28	UPW1A470MDD
	47	14.1	1.300	0.19	120	4	11.0	1.5	0.45	493-1733-ND	24	1.60	11.28	UPW1A470MDD6
	82	24.6	0.600	0.19	180	5	11.0	2.0	0.50	493-1734-ND	27	1.83	12.93	UPW1A820MDD
	82	24.6	0.450	0.19	200	6.3	7.0	2.5	0.45	493-1735-ND	27	1.83	12.93	UPW1A820MDD6
	100	30	0.600	0.19	180	5	11.0	2.0	0.50	493-1736-ND	27	1.83	12.93	UPW1A101MDD
	100	30	0.500	0.19	235	5	15.0	2.0	0.50	493-1737-ND	27	1.83	12.93	UPW1A101MDD6
	150	45	0.250	0.19	290	6.3	11.0	2.5	0.50	493-1738-ND	33	2.26	15.95	UPW1A151MED
	180	54	0.250	0.19	290	6.3	11.0	2.5	0.50	493-1739-ND	39	2.65	18.70	UPW1A181MED
	220	66	0.250	0.19	290	6.3	11.0	2.5	0.50	493-1740-ND	34	2.49	17.75	UPW1A221MED
	220	66	0.230	0.19	430	6.3	15.0	2.5	0.50	493-1741-ND	34	2.49	17.75	UPW1A221MED6
	330	99	0.117	0.19	555	8	11.5	3.5	0.60	493-1742-ND	37	2.70	19.25	UPW1A331MPD
	470	141	0.117	0.19	555	8	11.5	3.5	0.60	493-1743-ND	49	3.61	25.75	UPW1A471MPD
0	680	204	0.090	0.19	755	10	12.5	5.0	0.60	493-1744-ND	51	3.75	26.75	UPW1A681MPD
	680	204	0.085	0.19	730	8	15.0	3.5	0.60	493-1745-ND	51	3.75	26.75	UPW1A681MPD6
	1000	300	0.068	0.19	1050	10	16.0	5.0	0.60	493-1746-ND	62	4.61	33.84	UPW1A102MPD
	1000	300	0.065	0.19	995	8	20.0	3.5	0.60	493-1747-ND	62	4.61	33.84	UPW1A102MPD6
	1200	360	0.052	0.19	1220	10	20.0	5.0	0.60	493-1748-ND	69	5.15	37.84	UPW1A122MPD
	1500	450	0.052	0.19	1220	10	20.0	5.0	0.60	493-1749-ND	72	5.34	39.25	UPW1A152MPD
	1500	450	0.045	0.19	1440	10	25.0	5.0	0.60	493-1750-ND	72	5.34	39.25	UPW1A152MPD6
	2200	660	0.038	0.21	1655	12.5	20.0	5.0	0.60	493-1751-ND	1.01	7.55	55.46	UPW1A222MHD
	2200	660	0.035	0.21	1815	10	31.5	5.0	0.60	493-1752-ND	1.01	7.55	55.46	UPW1A222MPD6
	2700	810	0.030	0.21	1945	12.5	25.0	5.0	0.60	493-1753-ND	1.05	7.81	57.34	UPW1A272MPD
	3300	990	0.030	0.23	1945	12.5	25.0	5.0	0.60	493-1754-ND	90	6.72	49.35	UPW1A332MHD
	3300	990	0.025	0.23	2310	12.5	31.5	5.0	0.80	493-1755-ND	90	6.72	49.35	UPW1A332MHD6
	3900	1170	0.022	0.23	2510	12.5	35.5	5.0	0.80	493-1756-ND	1.19	8.91	66.83	UPW1A392MHD
	3900	1170	0.029	0.23	2205	16	20.0	7.5	0.80	493-1757-ND	1.19	8.91	66.83	UPW1A392MHD6
	4700	1410	0.022	0.25	2555	16	25.0	7.5	0.80	493-1758-ND	1.45	10.86	81.45	UPW1A472MHD
	5600	1680	0.022	0.27	2555	16	25.0	7.5	0.80	493-1759-ND	1.83	13.89	104.80	UPW1A562MHD
	5600	1680	0.028	0.27	2490	18	20.0	7.5	0.80	493-1760-ND	1.83	13.89	104.80	UPW1A562MHD6
	6800	2040	0.018	0.29	3010	16	31.5	7.5	0.80	493-1761-ND	1.93	14.63	110.40	UPW1A682MHD

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F93 – Standard Series
• General purpose rectangular resin molded chip • Low ESR/impedance, excellent high frequency characteristics • Excellent humidity resistance

F91 – Low ESR Series
• Rectangular resin molded chip • Low ESR

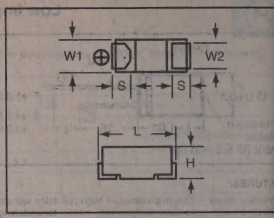
F92 – Compact Series
• Low profile, rectangular resin molded chip • Excellent high frequency characteristics • Excellent humidity resistance

F97 – High Reliability Series
• Rectangular resin molded chip • Soldering heat resistance • Superior humidity and environment resistance • High Reliability

Specification:
• Operating Temperature Range: -55°C ~ 125°C

Dimensions in mm

Case Code	L	W1	W2	H	S
A (F93 / 97)	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.1	1.6 ±0.1	0.8 ± 0.2
A (F92)	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.1	1.1 ±0.1	0.8 ± 0.2
B	3.5 ± 0.2	2.8 ± 0.2	2.2 ± 0.1	1.9 ± 0.2	0.8 ± 0.2
C	6.0 ± 0.2	3.2 ± 0.2	2.2 ± 0.1	2.5 ± 0.2	1.3 ± 0.2
N	7.3 ± 0.2	4.3 ± 0.2	2.4 ± 0.1	2.8 ± 0.2	1.3 ± 0.2
P	2.0 ± 0.2	1.25 ± 0.1	0.9 ± 0.1	1.1 ± 0.1	0.5 ± 0.2



Rated Voltage	Cap. (µF)	Capacitance Tolerance	Case Size	Leakage Current (µA)	Dissipation Factor (% @120Hz)	E.S.R. (Ω@100kHz)	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Nichicon Part No.
F93 – Standard Series													
6.3	3.3	±20%	A	0.5	6	4.5	493-2346-1-ND	1.92	16.80	493-2346-2-ND	2,000	75.00/M	F930J335MAA
	4.7	±20%	A	0.5	6	4.0	493-2347-1-ND	1.98	17.29	493-2347-2-ND	2,000	77.00/M	F930J475MAA
	6.8	±20%	A	0.5	6	3.5	493-2349-1-ND	2.04	17.78	493-2349-2-ND	2,000	80.00/M	F930J685MAA
	10	±20%	A	0.6	6	3.0	493-2340-1-ND	2.04	17.78	493-2340-2-ND	2,000	80.00/M	F930J106MAA
	15	±20%	A	0.9	8	2.9	493-2341-1-ND	2.22	19.38	493-2341-2-ND	2,000	87.00/M	F930J156MAA
	15	±20%	B	0.9	6	2.0	493-2342-1-ND	2.49	21.74	493-2342-2-ND	2,000	97.00/M	F930J156MBA
	22	±20%	A	1.4	8	2.5	493-2343-1-ND	2.32	20.25	493-2343-2-ND	2,000	91.00/M	F930J226MAA
	22	±20%	B	1.4	6	1.9	493-2344-1-ND	2.66	23.22	493-2344-2-ND	2,000	104.00/M	F930J226MBA
	47	±20%	B	3.0	8	1.0	493-2348-1-ND	3.45	30.13	493-2348-2-ND	2,000	135.00/M	F930J476MBA
	68	±20%	C	4.3	8	0.8	493-2350-1-ND	5.59	48.87	493-2350-2-ND	500	117.50	F930J686MCC
	220	±20%	N	13.9	10	0.5	493-2345-1-ND	10.34	90.29	493-2345-2-ND	500	217.00	F930J227MNC
10	2.2	±20%	A	0.5	6	5.0	493-2356-1-ND	1.92	16.80	493-2356-2-ND	2,000	75.00/M	F931A225MAA
	3.3	±20%	A	0.5	6	4.5	493-2358-1-ND	1.92	16.80	493-2358-2-ND	2,000	76.00/M	F931A335MAA
	4.7	±20%	A	0.5	6	4.0	493-2361-1-ND	1.83	15.96	493-2361-2-ND	2,000	71.00/M	F931A475MAA
	10	±20%	A	1.0	6	3.0	493-2351-1-ND	1.74	15.20	493-2351-2-ND	2,000	68.00/M	F931A106MAA
	10	±20%	B	1.0	6	2.1	493-2352-1-ND	2.49	21.74	493-2352-2-ND	2,000	97.00/M	F931A106MBA
	15	±20%	B	1.5	8	2.0	493-2354-1-ND	2.66	23.22	493-2354-2-ND	2,000	104.00/M	F931A156MBA
	22	±20%	B	2.2	8	1.9	493-2357-1-ND	2.61	22.80	493-2357-2-ND	2,000	102.00/M	F931A226MBA
	33	±20%	B	3.3	8	1.4	493-2359-1-ND	3.61	31.58	493-2359-2-ND	2,000	141.00/M	F931A336MBA
	33	±20%	C	3.3	8	1.1	493-2360-1-ND	5.25	45.90	493-2360-2-ND	500	110.00	F931A336MCC
	47	±20%	C	4.7	8	0.9	493-2362-1-ND	5.59	48.87	493-2362-2-ND	500	117.50	F931A476MCC
	68	±20%	N	6.8	6	0.6	493-2363-1-ND	7.97	69.62	493-2363-2-ND	500	167.00	F931A686MNC
	100	±20%	N	10.0	10	0.6	493-2353-1-ND	8.79	76.76	493-2353-2-ND	500	184.50	F931A107MNC
	150	±20%	N	15.0	10	0.6	493-2355-1-ND	10.47	91.50	493-2355-2-ND	500	219.50	F931A157MNC
16	1	±20%	A	0.5	4	7.5	493-2364-1-ND	1.92	16.80	493-2364-2-ND	2,000	75.00/M	F931C105MAA
	1.5	±20%	A	0.5	6	6.0	493-2366-1-ND	1.92	16.80	493-2366-2-ND	2,000	75.00/M	F931C155MAA
	2.2	±20%	A	0.5	6	5.0	493-2368-1-ND	1.83	15.96	493-2368-2-ND	2,000	71.00/M	F931C225MAA
	3.3	±20%	A	0.5	6	4.5	493-2370-1-ND	1.83	15.96	493-2370-2-ND	2,000	71.00/M	F931C335MAA
	4.7	±20%	A	0.8	6	4.0	493-2372-1-ND	1.83	15.96	493-2372-2-ND	2,000	71.00/M	F931C475MAA
	6.8	±20%	A	1.1	6	3.5	493-2374-1-ND	2.09	18.28	493-2374-2-ND	2,000	82.00/M	F931C685MAA
	6.8	±20%	B	1.1	6	2.5	493-2375-1-ND	2.49	21.74	493-2375-2-ND	2,000	97.00/M	F931C685MBA
	10	±20%	B	1.6	6	2.0	493-2365-1-ND	2.60	22.72	493-2365-2-ND	2,000	102.00/M	F931C106MBA
	15	±20%	B	2.4	8	2.0	493-2367-1-ND	2.83	24.70	493-2367-2-ND	2,000	111.00/M	F931C156MBA
	22	±20%	C	3.5	6	1.1	493-2369-1-ND	5.25	45.90	493-2369-2-ND	500	110.00	F931C226MCC
	33	±20%	C	5.3	8	1.1	493-2371-1-ND	5.59	48.87	493-2371-2-ND	500	117.50	F931C336MCC
	47	±20%	N	7.5	6	0.7	493-2373-1-ND	7.57	66.16	493-2373-2-ND	500	159.00	F931C476MNC
	68	±20%	N	10.9	8	0.6	493-2376-1-ND	8.93	78.01	493-2376-2-ND	500	187.50	F931C686MNC
20	1.5	±20%	A	0.5	6	6.3	493-2378-1-ND	1.92	16.80	493-2378-2-ND	2,000	75.00/M	F931D155MAA
	2.2	±20%	A	0.5	6	5.0	493-2380-1-ND	1.83	15.96	493-2380-2-ND	2,000	71.00/M	F931D225MAA
	3.3	±20%	A	0.7	6	4.5	493-2382-1-ND	2.38	20.75	493-2382-2-ND	2,000	93.00/M	F931D335MAA
	4.7	±20%	A	0.9	6	4.0	493-2384-1-ND	3.00	26.22	493-2384-2-ND	2,000	117.00/M	F931D475MAA
	4.7	±20%	B	0.9	6	2.8	493-2385-1-ND	3.00	26.22	493-2385-2-ND	2,000	117.00/M	F931D475MBA
	6.8	±20%	B	1.4	6	2.5	493-2386-1-ND	3.17	27.66	493-2386-2-ND	2,000	124.00/M	F931D685MBA
	10	±20%	B	2.0	6	2.1	493-2377-1-ND	4.15	36.25	493-2377-2-ND	2,000	162.00/M	F931D106MBA
	15	±20%	C	3.0	6	1.2	493-2379-1-ND	5.25	45.90	493-2379-2-ND	500	110.00	F931D156MCC
	22	±20%	C	4.4	8	1.1	493-2381-1-ND	5.59	48.87	493-2381-2-ND	500	117.50	F931D226MCC
	33	±20%	N	6.6	6	0.7	493-2383-1-ND	7.97	69.62	493-2383-2-ND	500	167.00	F931D336MNC
25	.68	±20%	A	0.5	4	7.6	493-2394-1-ND	1.92	16.80	493-2394-2-ND	2,000	75.00/M	F931E684MAA
	1	±20%	A	0.5	4	7.5	493-2387-1-ND	1.92	16.80	493-2387-2-ND	2,000	75.00/M	F931E105MAA
	1.5	±20%	A	0.5	6	6.7	493-2389-1-ND	1.98	17.29	493-2389-2-ND	2,000	77.00/M	F931E155MAA
	2.2	±20%	A	0.6	6	6.3	493-2390-1-ND	2.09	18.28	493-2390-2-ND	2,000	82.00/M	F931E225MAA
	3.3	±20%	B	0.8	6	3.1	493-2392-1-ND	3.17	27.66	493-2392-2-ND	2,000	124.00/M	F931E335MBA
	4.7	±20%	B	1.2	6	2.8	493-2393-1-ND	3.32	29.03	493-2393-2-ND	2,000	130.00/M	F931E475MBA
	6.8	±20%	C	1.7	6	1.8	493-2395-1-ND	4.86	42.45	493-2395-2-ND	500	102.00	F931E685MCC
	10	±20%	C	2.5	6	1.5	493-2388-1-ND	5.25	45.90	493-2388-2-ND	500	110.00	F931E106MCC
	22	±20%	N	5.5	6	0.7	493-2391-1-ND	7.80	68.13	493-2391-2-ND	500	163.50	F931E226MNC
35	.47	±20%	A	0.5	4	10.0	493-2402-1-ND	1.92	16.80	493-2402-2-ND	2,000	75.00/M	F931V474MAA
	.68	±20%	A	0.5	4	7.6	493-2404-1-ND	1.92	16.80	493-2404-2-ND	2,000	75.00/M	F931V684MAA
	1	±20%	A	0.5	4	7.5	493-2396-1-ND	1.98	17.29	493-2396-2-ND	2,000	77.00/M	F931V105MAA
	1.5	±20%	A	0.5	6	7.5	493-2398-1-ND	1.83	15.96	493-2398-2-ND	2,000	71.00/M	F931V155MAA
	2.2	±20%	B	0.8	6	3.8	493-2400-1-ND	2.49	21.74	493-2400-2-ND	2,000	97.00/M	F931V225MBA
	3.3	±20%	B	1.2	6	3.5	493-2401-1-ND	3.32	29.03	493-2401-2-ND	2,000	130.00/M	F931V335MBA
	4.7	±20%	C	1.6	6	1.8	493-2403-1-ND	4.97	43.43	493-2403-2-ND	500	104.50	F931V475MCC
	6.8	±20%	C	2.4	6	1.8	493-2405-1-ND	5.54	48.37	493-2405-2-ND	500	116.00	F931V685MCC
	10	±20%	C	3.5	6	1.6	493-2397-1-ND	8.25	72.09	493-2397-2-ND	500	173.00	F931V106MCC
	15	±20%	N	5.3	6	0.7	493-2399-1-ND	8.25	72.09	493-2399-2-ND	500	173.00	F931V156MNC

(Continued)

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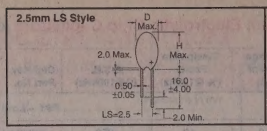
ated ltage	Cap. (µF)	Capacitance Tolerance	Case Size	Leakage Current (µA)	Dissipation Factor (% @120Hz)	E.S.R. (Ω@100kHz)	Digi-Key Part No.	Cut Tape Pricing 10	Cut Tape Pricing 100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Nichicon Part No.
							F91 – Low ESR Series						
6.3	100	±20%	C	6.3	10	.250	493-2309-1-ND	11.22	98.00	493-2309-2-ND	500	235.50	F910J107MCC
	150	±20%	N	9.5	10	.100	493-2310-1-ND	16.68	145.73	493-2310-2-ND	500	350.00	F910J157MNC
	220	±20%	N	13.9	10	.100	493-2311-1-ND	17.01	148.58	493-2311-2-ND	500	357.00	F910J227MNC
10	47	±20%	C	4.7	8	.400	493-2314-1-ND	11.22	98.00	493-2314-2-ND	500	235.50	F911A476MCC
	100	±20%	N	10	10	.100	493-2312-1-ND	16.68	145.73	493-2312-2-ND	500	350.00	F911A107MNC
	150	±20%	N	15.0	10	.100	493-2313-1-ND	17.01	148.58	493-2313-2-ND	500	357.00	F911A157MNC
16	33	±20%	C	5.3	8	.400	493-2315-1-ND	11.22	98.00	493-2315-2-ND	500	235.50	F911C336MCC
	47	±20%	N	7.5	6	.150	493-2316-1-ND	15.01	131.10	493-2316-2-ND	500	315.00	F911C476MNC
20	15	±20%	C	3	6	.450	493-2317-1-ND	11.22	98.00	493-2317-2-ND	500	235.50	F911D156MCC
	33	±20%	N	6.6	6	.200	493-2318-1-ND	16.68	145.73	493-2318-2-ND	500	350.00	F911D336MNC
25	10	±20%	C	2.5	6	.450	493-2319-1-ND	11.22	98.00	493-2319-2-ND	500	235.50	F911E106MCC
	22	±20%	N	5.5	6	.200	493-2320-1-ND	16.68	145.73	493-2320-2-ND	500	350.00	F911E226MNC
	33	±20%	N	8.3	8	.200	493-2321-1-ND	16.68	145.73	493-2321-2-ND	500	350.00	F911E336MNC
35	6.8	±20%	C	2.4	6	.600	493-2325-1-ND	11.22	98.00	493-2325-2-ND	500	235.50	F911V685MCC
	10	±20%	N	3.5	6	.300	493-2322-1-ND	16.68	145.73	493-2322-2-ND	500	350.00	F911V106MNC
	15	±20%	N	5.3	6	.300	493-2323-1-ND	16.68	145.73	493-2323-2-ND	500	350.00	F911V156MNC
	22	±20%	N	7.7	8	.300	493-2324-1-ND	16.68	145.73	493-2324-2-ND	500	350.00	F911V226MNC
							F92 – Compact Series						
4	2.2	±20%	P	0.5	8	12.0	493-2326-1-ND	2.94	25.69	493-2326-2-ND	3,000	115.00/M	F920G225MPA
	22	±20%	P	0.9	20	5.0	493-2327-1-ND	4.31	37.62	493-2327-2-ND	3,000	168.00/M	F920G226MPA
3	1.5	±20%	P	0.5	8	12.0	493-2329-1-ND	2.94	25.69	493-2329-2-ND	3,000	115.00/M	F920J155MPA
	10	±20%	P	0.6	10	6.0	493-2328-1-ND	4.13	36.10	493-2328-2-ND	3,000	162.00/M	F920J106MPA
0	1	±20%	P	0.5	8	12.0	493-2330-1-ND	2.94	25.69	493-2330-2-ND	3,000	115.00/M	F921A105MPA
	2.2	±20%	P	0.5	8	12.0	493-2331-1-ND	5.70	49.78	493-2331-2-ND	3,000	223.00/M	F921A225MPA
	3.3	±20%	P	0.5	8	12.0	493-2332-1-ND	4.18	36.56	493-2332-2-ND	3,000	164.00/M	F921A335MPA
	4.7	±20%	P	0.5	8	6.0	493-2333-1-ND	5.87	51.30	493-2333-2-ND	3,000	230.00/M	F921A475MPA
6	.68	±20%	P	0.5	8	12.0	493-2335-1-ND	3.05	26.68	493-2335-2-ND	3,000	119.00/M	F921C684MPA
	1	±20%	P	0.5	8	12.0	493-2334-1-ND	3.11	27.17	493-2334-2-ND	3,000	122.00/M	F921C105MPA
5	0.1	±20%	A	0.5	4	10.0	493-2336-1-ND	2.15	18.77	493-2336-2-ND	2,500	84.00/M	F921V104MAA
	.15	±20%	A	0.5	4	10.0	493-2337-1-ND	2.15	18.77	493-2337-2-ND	2,500	84.00/M	F921V154MAA
	.22	±20%	A	0.5	4	10.0	493-2338-1-ND	2.15	18.77	493-2338-2-ND	2,500	84.00/M	F921V224MAA
	.33	±20%	A	0.5	4	10.0	493-2339-1-ND	2.24	19.61	493-2339-2-ND	2,500	88.00/M	F921V334MAA
							F97 – High Reliability Series						
	3.3	±20%	A	0.5	6	4.5	493-2407-1-ND	2.15	18.77	493-2407-2-ND	2,000	84.00/M	F970J335MAA
	6.8	±20%	B	0.5	6	2.5	493-2409-1-ND	4.19	36.59	493-2409-2-ND	2,000	164.00/M	F970J685MBA
3	22	±20%	C	1.4	6	1.1	493-2406-1-ND	7.61	66.50	493-2406-2-ND	500	159.50	F970J226MCC
	47	±20%	N	3.0	6	0.7	493-2408-1-ND	9.24	80.75	493-2408-2-ND	500	194.00	F970J476MNC
	68	±20%	N	4.3	6	0.6	493-2410-1-ND	8.35	72.96	493-2410-2-ND	500	175.00	F970J686MNC
	2.2	±20%	A	0.5	6	5.0	493-2412-1-ND	2.15	18.77	493-2412-2-ND	2,000	84.00/M	F971A225MAA
	4.7	±20%	B	0.5	6	2.8	493-2414-1-ND	4.19	36.59	493-2414-2-ND	2,000	164.00/M	F971A475MBA
0	15	±20%	C	1.5	6	1.2	493-2411-1-ND	7.61	66.50	493-2411-2-ND	500	159.50	F971A156MCC
	33	±20%	N	3.3	6	0.7	493-2413-1-ND	9.24	80.75	493-2413-2-ND	500	194.00	F971A336MNC
	47	±20%	N	4.7	6	0.7	493-2415-1-ND	8.35	72.96	493-2415-2-ND	500	175.00	F971A476MNC
	1	±20%	A	0.5	4	7.5	493-2416-1-ND	4.08	35.64	493-2416-2-ND	2,000	159.00/M	F971C105MAA
	1.5	±20%	A	0.5	4	6.3	493-2418-1-ND	2.15	18.77	493-2418-2-ND	2,000	84.00/M	F971C155MAA
	3.3	±20%	B	0.5	6	3.1	493-2420-1-ND	4.19	36.59	493-2420-2-ND	2,000	164.00/M	F971C335MBA
6	4.7	±20%	B	0.8	6	2.8	493-2422-1-ND	3.68	32.15	493-2422-2-ND	2,000	144.00/M	F971C475MBA
	10	±20%	C	1.6	6	1.5	493-2417-1-ND	7.61	66.50	493-2417-2-ND	500	159.50	F971C106MCC
	22	±20%	N	3.5	6	0.7	493-2419-1-ND	9.24	80.75	493-2419-2-ND	500	194.00	F971C226MNC
	33	±20%	N	5.3	6	0.7	493-2421-1-ND	8.35	72.96	493-2421-2-ND	500	175.00	F971C336MNC
	.68	±20%	A	0.5	4	7.6	493-2425-1-ND	4.08	35.64	493-2425-2-ND	2,000	159.00/M	F971D684MAA
0	2.2	±20%	B	0.5	6	3.8	493-2424-1-ND	4.19	36.59	493-2424-2-ND	2,000	164.00/M	F971D225MBA
	6.8	±20%	C	1.4	6	1.8	493-2426-1-ND	7.61	66.50	493-2426-2-ND	500	159.50	F971D685MCC
	15	±20%	N	3.0	6	0.7	493-2423-1-ND	9.24	80.75	493-2423-2-ND	500	194.00	F971D156MNC
	.47	±20%	A	0.5	4	10.0	493-2429-1-ND	4.08	35.64	493-2429-2-ND	2,000	159.00/M	F971E474MAA
5	1.5	±20%	B	0.5	4	4.0	493-2428-1-ND	4.19	36.59	493-2428-2-ND	2,000	164.00/M	F971E155MBA
	4.7	±20%	C	1.2	6	1.8	493-2430-1-ND	7.61	66.50	493-2430-2-ND	500	159.50	F971E475MCC
	10	±20%	N	2.5	6	1.0	493-2427-1-ND	9.24	80.75	493-2427-2-ND	500	194.00	F971E106MNC
	.1	±20%	A	0.5	4	15.0	493-2431-1-ND	4.08	35.64	493-2431-2-ND	2,000	159.00/M	F971V104MAA
	.15	±20%	A	0.5	4	15.0	493-2433-1-ND	4.08	35.64	493-2433-2-ND	2,000	159.00/M	F971V154MAA
	.22	±20%	A	0.5	4	12.0	493-2435-1-ND	4.08	35.64	493-2435-2-ND	2,000	159.00/M	F971V224MAA
	.33	±20%	A	0.5	4	12.0	493-2437-1-ND	4.08	35.64	493-2437-2-ND	2,000	159.00/M	F971V334MAA
	.47	±20%	B	0.5	4	5.0	493-2439-1-ND	4.19	36.59	493-2439-2-ND	2,000	164.00/M	F971V474MBA
5	.68	±20%	B	0.5	4	5.0	493-2441-1-ND	4.19	36.59	493-2441-2-ND	2,000	164.00/M	F971V684MBA
	1	±20%	B	0.5	4	4.0	493-2432-1-ND	4.19	36.59	493-2432-2-ND	2,000	164.00/M	F971V105MBA
	1.5	±20%	C	0.5	4	2.0	493-2434-1-ND	5.48	47.88	493-2434-2-ND	750	172.50	F971V155MCMBMA
	2.2	±20%	C	0.8	6	2.0	493-2436-1-ND	6.53	57.00	493-2436-2-ND	500	137.00	F971V225MCC
	3.3	±20%	C	1.2	6	2.0	493-2438-1-ND	7.61	66.50	493-2438-2-ND	500	159.50	F971V335MCC
	4.7	±20%	N	1.6	6	1.0	493-2440-1-ND	8.97	78.39	493-2440-2-ND	500	188.00	F971V475MNC
	6.8	±20%	N	2.4	6	1.0	493-2442-1-ND	9.24	80.75	493-2442-2-ND	500	194.00	F971V685MNC

F

AVX TAP Series
Dipped Radial Tantalum Capacitors

TAP is a professional grade device manufactured with a flame retardant coating and featuring low leakage current and impedance, very small physical sizes and exceptional temperature stability.

- **Capacitance Tolerance:** 10%
- **Temperature Range:** -55°C – 125°C



Cap. (pF)	Dimensions (mm) D	H	LS	DF % Max.	DCL (µA) Max.	ESR Max. (Ω)@ 100kHz	Digi-Key Part No.	Price Each 1	10	100	AVX Part No.
6.3 Volt @ 85°C (4 Volt @ 125°C)											
3.3	4.50	7.00	2.5	6	0.5	13.0	478-1885-ND	.46	.40	.32	TAP335K006SCS
4.7	4.50	7.00	2.5	6	0.5	10.0	478-1902-ND	.46	.40	.32	TAP475K006SCS
6.8	4.50	7.00	2.5	6	0.5	8.0	478-1917-ND	.46	.40	.32	TAP685K006SCS
10	4.50	7.50	2.5	8	0.5	6.0	478-1837-ND	.58	.50	.39	TAP106K006SCS
15	5.00	8.50	2.5	8	0.8	5.0	478-1855-ND	.65	.56	.44	TAP156K006SCS
22	5.00	9.00	2.5	8	1.1	3.7	478-1873-ND	.65	.56	.44	TAP226K006SCS
33	5.50	9.00	2.5	8	1.7	3.0	478-1892-ND	.82	.71	.56	TAP336K006SCS
47	6.00	10.00	2.5	8	2.4	2.0	478-1909-ND	.91	.78	.62	TAP476K006SCS
68	6.50	10.00	2.5	8	3.4	1.8	478-1924-ND	1.09	.93	.73	TAP686K006SCS
100	7.00	10.5	2.5	10	5.0	1.6	478-1844-ND	2.59	2.22	1.74	TAP107K006CCS
150	8.50	12.5	5.0	10	7.6	0.9	478-1862-ND	3.26	2.79	2.19	TAP157K006CCS
220	9.00	13.0	5.0	10	11.0	0.9	478-1880-ND	6.51	5.58	4.38	TAP227K006CCS
330	10.0	17.0	5.0	10	16.6	0.7	478-1898-ND	8.12	6.96	5.46	TAP337K006CCS
10 Volt @ 85°C (6.3 Volt @ 125°C)											
2.2	4.50	7.00	2.5	6	0.5	13.0	478-1867-ND	.46	.40	.32	TAP225K010SCS
3.3	4.50	7.00	2.5	6	0.5	10.0	478-1886-ND	.46	.40	.32	TAP335K010SCS
4.7	4.50	7.00	2.5	6	0.5	8.0	478-1903-ND	.46	.40	.32	TAP475K010SCS
6.8	4.50	7.50	2.5	6	0.5	6.0	478-1918-ND	.58	.50	.39	TAP685K010SCS
10	5.00	8.50	2.5	8	0.8	5.0	478-1838-ND	.65	.56	.44	TAP106K010SCS
15	5.00	9.00	2.5	8	1.2	3.7	478-1856-ND	.65	.56	.44	TAP156K010SCS
22	5.50	9.00	2.5	8	1.7	2.7	478-1874-ND	.81	.69	.55	TAP226K010SCS
33	6.00	10.0	2.5	8	2.6	2.1	478-1893-ND	.95	.81	.64	TAP336K010SCS
47	6.50	10.0	2.5	8	3.7	1.7	478-1910-ND	1.68	1.44	1.13	TAP476K010SCS
68	7.00	10.5	2.5	8	5.4	1.3	478-1925-ND	2.59	2.22	1.74	TAP686K010SCS
100	8.50	12.5	5.0	10	8.0	1.0	478-1845-ND	3.26	2.79	2.19	TAP107K010SCS
150	9.00	16.0	5.0	10	12.0	0.8	478-1863-ND	6.51	5.58	4.38	TAP157K010CCS
220	10.0	17.0	5.0	10	17.6	0.6	478-1881-ND	8.12	6.96	5.46	TAP227K010CCS
330	10.0	18.5	5.0	10	20.0	0.5	478-1899-ND	8.12	6.96	5.46	TAP337K010CCS
16 Volt @ 85°C (10 Volt @ 125°C)											
1.5	4.50	7.00	2.5	4	0.5	10.0	478-1850-ND	.46	.40	.32	TAP155K016SCS
2.2	4.50	7.00	2.5	6	0.5	8.0	478-1868-ND	.44	.38	.30	TAP225K016SCS
3.3	4.50	7.00	2.5	6	0.5	6.0	478-1887-ND	.44	.38	.30	TAP335K016SCS
4.7	4.50	7.50	2.5	6	0.6	5.0	478-1904-ND	.55	.47	.37	TAP475K016SCS
6.8	5.00	8.50	2.5	6	0.8	4.0	478-1919-ND	.65	.56	.44	TAP685K016SCS
10	5.00	9.00	5.0	8	1.2	3.2	478-1839-ND	.67	.57	.45	TAP106K016SCS
15	5.50	9.00	2.5	8	1.9	2.5	478-1857-ND	.88	.75	.59	TAP156K016SCS
22	6.00	10.0	2.5	8	2.8	2.0	478-1875-ND	.88	.75	.59	TAP226K016SCS
33	6.00	10.0	2.5	8	4.2	1.6	478-1894-ND	1.75	1.50	1.18	TAP336K016SCS
47	8.00	11.5	2.5	8	6.0	1.3	478-1911-ND	2.75	2.36	1.85	TAP476K016SCS
68	9.00	12.5	2.5	8	8.7	1.0	478-1926-ND	3.33	2.85	2.24	TAP686K016SCS
100	9.00	16.0	5.0	10	12.8	0.8	478-1846-ND	7.00	6.00	4.70	TAP107K016CCS
150	9.00	16.0	5.0	10	19.2	0.6	478-1864-ND	8.05	6.90	5.41	TAP157K016CCS
220	10.0	18.5	5.0	10	20.0	0.5	478-1882-ND	9.91	8.49	6.66	TAP227K016CCS
20 Volt @ 85°C (13 Volt @ 125°C)											
1.0	4.50	7.00	2.5	4	0.5	10.0	478-1833-ND	.46	.40	.32	TAP105K020SCS
1.5	4.50	7.00	2.5	4	0.5	9.0	478-1851-ND	.46	.40	.32	TAP155K020SCS
2.2	4.50	7.00	2.5	6	0.5	7.0	478-1869-ND	.46	.40	.32	TAP225K020SCS
3.3	4.50	7.50	2.5	6	0.5	5.5	478-1888-ND	.58	.50	.39	TAP335K020SCS
4.7	5.00	8.50	2.5	6	0.7	4.5	478-1905-ND	.65	.56	.44	TAP475K020SCS
6.8	5.00	9.00	2.5	6	1.0	3.6	478-1920-ND	.65	.56	.44	TAP685K020SCS
10	5.50	9.00	2.5	8	1.6	2.9	478-1840-ND	.88	.75	.59	TAP106K020SCS
15	6.00	10.0	2.5	8	2.4	2.3	478-1858-ND	.95	.81	.64	TAP156K020SCS

Cap. (pF)	Dimensions (mm) D	H	LS	DF % Max.	DCL (µA) Max.	ESR Max. (Ω)@ 100kHz	Digi-Key Part No.	Price Each 1	10	100	AVX Part No.
20 Volt @ 85°C (13 Volt @ 125°C) (Cont.)											
22	7.00	10.5	2.5	8	3.5	1.8	478-1876-ND	1.75	1.50	1.18	TAP226K020S
33	8.00	11.5	2.5	8	5.2	1.4	478-1895-ND	2.52	2.16	1.70	TAP336K020S
47	8.50	12.5	2.5	8	7.5	1.2	478-1912-ND	3.12	2.67	2.10	TAP476K020S
68	9.00	16.0	5.0	8	10.8	0.9	478-1927-ND	7.07	6.06	4.75	TAP686K020C
100	9.00	16.0	5.0	10	16.0	0.6	478-1847-ND	8.09	6.93	5.43	TAP107K020C
25 Volt @ 85°C (16 Volt @ 125°C)											
1.0	4.50	7.00	2.5	4	0.5	10.0	478-1834-ND	.46	.40	.32	TAP105K025S
1.5	4.50	7.00	2.5	4	0.5	8.0	478-1852-ND	.46	.40	.32	TAP155K025S
2.2	4.50	7.00	2.5	6	0.5	6.0	478-1870-ND	.46	.40	.32	TAP225K025S
3.3	4.50	7.50	2.5	6	0.6	5.0	478-1889-ND	.58	.50	.39	TAP335K025S
4.7	5.00	8.50	2.5	6	0.9	4.0	478-1906-ND	.65	.56	.44	TAP475K025S
6.8	5.00	9.00	2.5	6	1.3	3.1	478-1921-ND	.65	.56	.44	TAP685K025S
10	5.50	9.00	2.5	8	2.0	2.5	478-1841-ND	.74	.63	.50	TAP106K025S
15	6.00	10.00	2.5	8	3.0	2.0	478-1859-ND	1.98	1.70	1.33	TAP156K025S
22	7.00	10.5	2.5	8	4.4	1.5	478-1877-ND	2.45	2.10	1.65	TAP226K025S
33	8.00	11.5	2.5	8	6.6	1.2	478-1896-ND	3.27	2.81	2.20	TAP336K025S
47	9.00	13.0	2.5	8	9.4	1.0	478-1913-ND	5.01	4.29	3.37	TAP476K025S
68	9.00	16.0	5.0	8	13.6	0.8	478-1928-ND	8.12	6.96	5.46	TAP686K025C
35 Volt @ 85°C (23 Volt @ 125°C)											
0.1	4.50	7.00	2.5	4	0.5	26.0	478-1831-ND	.46	.40	.32	TAP104K035S
0.15	4.50	7.00	2.5	4	0.5	21.0	478-1848-ND	.46	.40	.32	TAP154K035S
0.22	4.50	7.00	2.5	4	0.5	17.0	478-1865-ND	.46	.40	.32	TAP224K035S
0.33	4.50	7.00	2.5	4	0.5	15.0	478-1883-ND	.46	.40	.32	TAP334K035S
0.47	4.50	7.00	2.5	4	0.5	13.0	478-1900-ND	.46	.40	.32	TAP474K035S
0.68	4.50	7.00	2.5	4	0.5	10.0	478-1915-ND	.46	.40	.32	TAP684K035S
1.0	4.50	7.00	2.5	4	0.5	8.0	478-1835-ND	.46	.39	.31	TAP105K035S
1.5	4.50	7.00	2.5	4	0.5	6.0	478-1853-ND	.46	.40	.32	TAP155K035S
2.2	4.50	7.50	2.5	6	0.6	5.0	478-1871-ND	.53	.45	.36	TAP225K035S
3.3	5.00	8.50	2.5	6	0.9	4.0	478-1890-ND	.65	.56	.44	TAP335K035S
4.7	5.50	9.00	2.5	6	1.3	3.0	478-1907-ND	.77	.66	.52	TAP475K035S
6.8	6.00	10.0	2.5	6	1.9	2.5	478-1922-ND	.89	.77	.60	TAP685K035S
10	6.00	10.0	2.5	8	2.8	2.0	478-1842-ND	1.49	1.28	1.00	TAP106K035S
15	7.00	10.5	2.5	8	4.2	1.6	478-1860-ND	3.12	2.67	2.10	TAP156K035S
22	8.50	12.5	2.5	8	6.1	1.3	478-1878-ND	2.96	2.54	1.99	TAP226K035S
33	9.00	13.0	5.0	8	9.2	1.0	478-1897-ND	5.43	4.65	3.65	TAP336K035C
47	9.00	16.0	5.0	8	10.0	0.8	478-1914-ND	8.12	6.96	5.46	TAP476K035C
50 Volt @ 85°C (33 Volt @ 125°C)											
0.1	4.50	7.00	2.5	4	0.5	26.0	478-1832-ND	.52	.45	.35	TAP104K050S
0.15	4.50	7.00	2.5	4	0.5	21.0	478-1849-ND	.48	.42	.33	TAP154K050S
0.22	4.50	7.00	2.5	4	0.5	17.0	478-1866-ND	.52	.45	.35	TAP224K050S
0.33	4.50	7.00	2.5	4	0.5	15.0	478-1884-ND	.52	.45	.35	TAP334K050S
0.47	4.50	7.00	2.5	4	0.5	13.0	478-1901-ND	.52	.45	.35	TAP474K050S
0.68	4.50	7.50	2.5	4	0.5	10.0	478-1916-ND	.58	.50	.39	TAP684K050S
1.0	5.00	8.50	2.5	4	0.5	8.0	478-1836-ND	.58	.50	.39	TAP105K050S
1.5	5.00	9.00	2.5	4	0.6	6.0	478-1854-ND	.88	.75	.59	TAP155K050S
2.2	5.50	9.00	2.5	6	0.8	3.5	478-1872-ND	.93	.80	.63	TAP225K050S
3.3	6.00	10.0	2.5	6	1.3	3.0	478-1891-ND	1.02	.87	.69	TAP335K050S
4.7	6.50	10.0	2.5	6	1.8	2.5	478-1908-ND	1.28	1.10	.86	TAP475K050S
6.8	7.00	10.5	2.5	6	2.7	2.0	478-1923-ND	3.01	2.58	2.03	TAP685K050S
10	8.00	11.5	2.5	8	4.0	1.6	478-1843-ND	5.25	4.50	3.53	TAP106K050S
15	8.50	12.5	5.0	8	6.0	1.2	478-1861-ND	5.78	4.95	3.88	TAP156K050C
22	9.00	12.5	5.0	8	8.8	1.0	478-1879-ND	9.45	8.10	6.35	TAP226K050C

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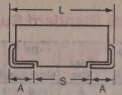
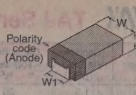
AVX TAJ Series

Standard Surface Mount Tantalum Capacitors

RoHS COMPLIANT





TAJ standard series encompasses the sizes recognized by major OEMs throughout the world

mperature Range: -55°C – 85°C rated voltage and up to 125°C with voltage derating in applications utilizing recommended series resistance

ase ze	EIA Code	Dimensions (mm) L	W	H	W_1	A	S (Min.)
A	3216-18	3.20	1.60	1.60	1.20	0.80	1.80
B	3528-21	3.50	2.80	1.90	2.20	0.80	1.40
C	6032-28	6.00	3.20	2.60	2.20	1.30	2.90
D	7343-31	7.30	4.30	2.90	2.40	1.30	4.40
E	7343-43	7.30	4.30	4.10	2.40	1.30	4.40
P	2012-15	2.05	1.35	1.50	1.00	0.50	.85
R	2012-12	2.05	1.30	1.20	1.00	0.50	.70

Case Size	EIA Code	Dimensions (mm) L	W	H	W_1	A	S (Min.)
S	3216-12	3.20	1.60	1.20	1.20	0.80	1.10
T	3528-12	3.50	2.80	1.20	2.20	0.80	2.00
V	7361-38	7.30	6.10	3.45	3.10	1.40	4.40
W	6032-15	6.00	3.20	1.50	2.20	1.30	2.90
Y	7343-20	7.30	4.30	2.00	2.40	1.30	4.40
X	7343-15	7.30	4.30	1.50	2.40	1.30	4.40

ated oltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ@100kHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	AVX Part No.
2.5	47	10	A	6	0.9	3000	478-3268-1-ND†	.83	.72	.63	478-3268-2-ND	2,000	281.00/M	TAJA476K002R
	220	10	B	16	4.4	1600	478-3269-1-ND†	1.00	.87	.76	478-3269-2-ND	2,000	340.00/M	TAJB227K002R
	2.2	20	R	6	0.5	25000	478-3053-1-ND	1.08	.94	.83	478-3053-2-ND	2,500	367.00/M	TAJR225M004R
	22	20	R	8	0.9	3800	478-3055-1-ND	1.08	.94	.83	478-3055-2-ND	2,500	367.00/M	TAJR226M004R
	33	10	A	6	1.3	3000	478-1665-1-ND†	.50	.44	.38	478-1665-2-ND	2,000	170.00/M	TAJA336K004R
	47	10	A	8	1.9	2600	478-1669-1-ND	.50	.44	.38	478-1669-2-ND	2,000	170.00/M	TAJA476K004R
	68	10	B	6	2.7	1800	478-2344-1-ND	.65	.57	.50	478-2344-2-ND	2,000	221.00/M	TAJB686K004R
	100	10	B	8	4	900	478-1676-1-ND	1.15	1.01	.88	478-1676-2-ND	2,000	391.00/M	TAJB107K004R
	150	10	B	8	6	1500	478-2345-1-ND	1.00	.87	.76	478-2345-2-ND	2,000	340.00/M	TAJB157K004R
4	220	10	C	8	8.8	1200	478-2346-1-ND	2.35	2.05	1.79	478-2346-2-ND	500	399.50	TAJC227K004R
	220	10	D	8	8.8	900	478-3064-1-ND	1.89	1.65	1.44	478-3064-2-ND	500	344.00	TAJD227K004R
	330	10	C	8	13.2	900	478-2347-1-ND	2.43	2.11	1.85	478-2347-2-ND	500	412.50	TAJC337K004R
	330	10	D	8	13.2	900	478-3065-1-ND	2.16	1.88	1.65	478-3065-2-ND	500	393.00	TAJD337K004R
	470	10	D	12	18.8	900	478-3066-1-ND	3.35	2.92	2.55	478-3066-2-ND	500	610.00	TAJD477K004R
	470	10	E	10	18.8	500	478-3271-1-ND†	7.00	6.09	5.32	478-3271-2-ND	400	1019.20	TAJE477K004R
	680	10	D	14	27.2	500	478-3067-1-ND	3.65	3.18	2.78	478-3067-2-ND	500	663.50	TAJD687K004R
	1000	10	E	14	40	400	478-2348-1-ND†	10.75	9.36	8.17	478-2348-2-ND	400	1462.00	TAJE108K004R
	1.5	20	R	6	0.5	2000	478-3052-1-ND	1.08	.94	.83	478-3052-2-ND	2,500	367.00/M	TAJR155M006R
	3.3	20	A	6	0.5	6000	478-3029-1-ND	.37	.33	.29	478-3029-2-ND	2,000	125.00/M	TAJA335M006R
	4.7	20	A	6	0.5	5000	478-3031-1-ND	.38	.33	.29	478-3031-2-ND	2,000	128.00/M	TAJA475M006R
	4.7	10	R	6	0.5	700	478-3272-1-ND	1.10	.96	.84	478-3272-2-ND	2,500	374.00/M	TAJR475K006R
	6.8	20	B	6	0.7	3000	478-3045-1-ND	.50	.44	.39	478-3045-2-ND	2,000	171.00/M	TAJB685M006R
	10	10	A	6	0.6	4000	478-1653-1-ND	.40	.35	.31	478-1653-2-ND	2,000	136.00/M	TAJA106K006R
	10	20	A	6	0.6	4000	478-1656-1-ND	.38	.33	.29	478-1656-2-ND	2,000	128.00/M	TAJA106M006R
	10	20	R	8	0.6	6000	478-3051-1-ND	1.08	.94	.83	478-3051-2-ND	2,500	367.00/M	TAJR106M006R
	10	10	R	8	0.6	5000	478-3273-1-ND	1.10	.96	.84	478-3273-2-ND	2,500	374.00/M	TAJR106K006R
	15	10	P	8	0.9	3500	478-3274-1-ND	1.20	1.05	.92	478-3274-2-ND	2,500	408.00/M	TAJP156K006R
	15	10	S	8	0.9	4000	478-3275-1-ND	1.20	1.05	.92	478-3275-2-ND	2,500	408.00/M	TAJS156K006R
	15	20	A	6	0.9	3500	478-3026-1-ND	.45	.40	.35	478-3026-2-ND	2,000	153.00/M	TAJA156M006R
6.3	22	20	A	6	1.4	3000	478-3028-1-ND	.51	.45	.39	478-3028-2-ND	2,000	173.00/M	TAJA226M006R
	22	10	B	6	1.4	2500	478-1681-1-ND	.53	.47	.41	478-1681-2-ND	2,000	181.00/M	TAJB226K006R
	33	10	A	8	2.1	2500	478-1666-1-ND	.63	.55	.48	478-1666-2-ND	2,000	213.00/M	TAJA336K006R
	33	20	A	8	2.1	2500	478-1667-1-ND	.63	.55	.48	478-1667-2-ND	2,000	213.00/M	TAJA336M006R
	47	10	T	10	2.8	1600	478-3276-1-ND	1.40	1.22	1.07	478-3276-2-ND	2,500	476.00/M	TAJT476K006R
	47	10	B	6	3	2000	478-1692-1-ND	.65	.57	.50	478-1692-2-ND	2,000	221.00/M	TAJB476K006R
	68	10	B	8	4	900	478-1696-1-ND	.75	.66	.57	478-1696-2-ND	2,000	255.00/M	TAJB686K006R
	100	10	B	10	6.3	1700	478-1677-1-ND†	1.25	1.09	.95	478-1677-2-ND	2,000	425.00/M	TAJB107K006R
	100	10	C	6	6.3	900	478-1703-1-ND	1.20	1.05	.92	478-1703-2-ND	500	218.50	TAJC107K006R
	150	10	C	8	9.5	1300	478-1709-1-ND	1.95	1.70	1.49	478-1709-2-ND	500	355.00	TAJC157K006R
	220	10	C	8	13.9	1200	478-1713-1-ND†	2.10	1.83	1.60	478-1713-2-ND	500	382.00	TAJC227K006R
	330	10	Y	8	20.8	900	478-3277-1-ND	3.00	2.61	2.28	478-3277-2-ND	1,000	1092.00	TAJY337K006R
	470	10	D	12	28	400	478-1741-1-ND†	3.15	2.75	2.40	478-1741-2-ND	500	573.50	TAJD477K006R
	680	10	E	12	42.8	500	478-2349-1-ND	8.70	7.57	6.62	478-2349-2-ND	400	1183.20	TAJE687K006R
	1.0	10	R	4	0.5	25000	478-3278-1-ND	1.10	.96	.84	478-3278-2-ND	2,500	374.00/M	TAJR105K010R
	1.0	20	R	4	0.5	25000	478-3049-1-ND	1.08	.94	.83	478-3049-2-ND	2,500	367.00/M	TAJR105M010R
	2.2	20	A	6	0.5	7000	478-3027-1-ND	.48	.42	.37	478-3027-2-ND	2,000	162.00/M	TAJA225M010R
	2.2	20	R	6	0.5	15000	478-3054-1-ND	1.08	.94	.83	478-3054-2-ND	2,500	367.00/M	TAJR225M010R
	3.3	10	S	6	0.5	800	478-3279-1-ND	1.20	1.05	.92	478-3279-2-ND	2,500	408.00/M	TAJS335K010R
	3.3	20	A	6	0.5	5500	478-3030-1-ND	.38	.34	.29	478-3030-2-ND	2,000	130.00/M	TAJA335M010R
	3.3	20	R	6	0.5	8000	478-3056-1-ND	1.08	.94	.83	478-3056-2-ND	2,500	367.00/M	TAJR335M010R
	4.7	10	A	6	0.5	5000	478-2350-1-ND	.43	.37	.33	478-2350-2-ND	2,000	145.00/M	TAJA475K010R
	4.7	10	R	6	0.5	9000	478-3280-1-ND	1.10	.96	.84	478-3280-2-ND	2,500	374.00/M	TAJR475K010R
	4.7	20	B	6	0.5	4000	478-3042-1-ND	.50	.44	.39	478-3042-2-ND	2,000	171.00/M	TAJB475M010R
	4.7	20	R	6	0.5	9000	478-3057-1-ND	1.08	.94	.83	478-3057-2-ND	2,500	367.00/M	TAJR475M010R
	6.8	10	A	6	0.7	4000	478-2351-1-ND	.45	.40	.35	478-2351-2-ND	2,000	153.00/M	TAJA685K010R
	10	10	A	6	1	3000	478-1654-1-ND	.43	.37	.33	478-1654-2-ND	2,000	145.00/M	TAJA106K010R
	10	20	P	8	1	6000	478-3281-1-ND	1.18	1.03	.90	478-3281-2-ND	2,500	400.00/M	TAJP106M010R
	10	20	A	6	1	3000	478-1657-1-ND	.40	.35	.31	478-1657-2-ND	2,000	136.00/M	TAJA106M010R
	10	10	B	6	1	2500	478-1672-1-ND	.53	.46	.40	478-1672-2-ND	2,000	179.00/M	TAJB106K010R
	15	10	B	6	1.5	2800	478-3035-1-ND	.53	.47	.41	478-3035-2-ND	2,000	181.00/M	TAJB156M010R
	15	10	A	6	1.5	3200	478-1660-1-ND	.50	.44	.38	478-1660-2-ND	2,000	170.00/M	TAJA156K010R
	15	10	B	8	1.5	2800	478-3068-1-ND	.90	.79	.69	478-3068-2-ND	2,000	306.00/M	TAJB156K010R
0	15	20	A	6	1.5	3200	478-1661-1-ND	.50	.44	.38	478-1661-2-ND	2,000	162.00/M	TAJA156M010R
	22	10	A	8	2.2	3000	478-1663-1-ND†	.50	.44	.38	478-1663-2-ND	2,000	170.00/M	TAJA226K010R
	22	10	B	6	2.2	2400	478-3039-1-ND	.55	.48	.42	478-3039-2-ND	2,000	187.00/M	TAJB226K010R
	22	10	C	6	2.2	1.8	478-3856-1-ND *NEW!*	.95	.83	.73	478-3856-2-ND *NEW!*	500	173.00	TAJC226K010R
	22	20	B	8	2.2	2400	478-3040-1-ND	.60	.53	.46	478-3040-2-ND	2,000	204.00/M	TAJB226M010R
	33	10	B	6	3.3	1800	478-1687-1-ND	1.15	1.01	.88	478-1687-2-ND	2,000	391.00/M	TAJB336K010R
	33	20	D	6	3.3	1100	478-3047-1-ND	1.57	1.37	1.20	478-3047-2-ND	500	285.50	TAJD336M010R
	47	10	W	6	4.7	1400	478-3282-1-ND	2.25	1.96	1.71	478-3282-2-ND	1,000	819.00	TAJW476K010R
	47	10	D	6	4.7	400	478-3048-1-ND	.83	.72	.63	478-3048-2-ND	500	150.00	TAJD476K010R
	68	10	B	6	6.8	1400	478-3069-1-ND	.83	.73	.64	478-3069-2-ND	2,000	283.00/M	TAJB686K010R
	68	10	C	6	6.8	1300	478-1721-1-ND	1.25	1.09	.95	478-1721-2-ND	500	227.50	TAJC686K010R
	100	10	C	8	10	1200	478-1704-1-ND	1.25	1.09	.95	478-1704-2-ND	500	227.50	TAJC107K010R
	100	10	X	8	10	900	478-3283-1-ND	2.60	2.27	1.98	478-3283-2-ND	1,000	946.00	TAJX107K010R
	100	10	D	6	10	900	478-3355-1-ND	1.95	1.70	1.49	478-3355-2-ND	1,000	690.00	TAJD107K010R
	150	10	C	8	15	900	478-2352-1-ND†	2.25	1.96	1.71	478-2352-2-ND	500	382.50	TAJC157K010R
	150	10	D	6	15	900	478-2343-1-ND	2.65	2.31	2.02	478-2343-2-ND	500	452.50	TAJD157K010R
	220	10	D	8	22	500	478-1731-1-ND	2.65	2.31	2.02	478-1731-2-ND	500	482.50	TAJD227K010R
	220	10	Y	10	22	500	478-3284-1-ND	3.00	2.61	2.28	478-3284-2-ND	1,000	1092.00	TAJY227K010R
	330	10	D	8	33	900	478-1736-1-ND†	4.80	4.18	3.65	478-1736-2-ND	500	873.50	TAJD337K010R
	330	10	E	8	33	900	478-1748-1-ND	5.25	4.57	3.99	478-1748-2-ND	400	764.40	TAJE337K010R
	470	10	E	10	47	500	478-1749-1-ND	7.10	6.18	5.40	478-1749-2-ND	400	1033.60	TAJE477K010R
	68	20	R	4	0.5	25000	478-3058-1-ND	1.08	.94	.83	478-3058-2-ND	2,500	367.00/M	TAJR684M016R
6	1	10	A	4	0.5	11000	478-1649-1-ND	.44	.39	.34	478-1649-2-ND	2,000	150.00/M	TAJA105K016R
	1	20	A	4	0.5	11000	478-1652-1-ND	.39	.34	.30	478-1652-2-ND	2,000	133.00/M	TAJA105M016R
	1	20	R	4	0.5	20000	478-3050-1-ND	1.08	.94	.83	478-3050-2-ND	2,500	367.00/M	TAJR105M016R

(Continued)

F

Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ@100kHz)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	AVX Part No.
	1.5	20	A	6	0.5	8000	478-3025-1-ND	.48	.42	.37	478-3025-2-ND	2,000	162.00/M	TAJA155M016
	2.2	10	A	6	0.5	6500	478-2353-1-ND	.43	.37	.33	478-2353-2-ND	2,000	145.00/M	TAJA225K016
	2.2	20	B	6	0.5	5500	478-3036-1-ND	.50	.44	.39	478-3036-2-ND	2,000	171.00/M	TAJB255M016
	3.3	10	A	6	0.5	5000	478-2354-1-ND	.43	.37	.33	478-2354-2-ND	2,000	145.00/M	TAJA335K016
	3.3	10	T	6	0.5	500	478-3285-1-ND	1.40	1.22	1.07	478-3285-2-ND	2,500	476.00/M	TAJT335K016
	3.3	20	B	6	0.5	4500	478-3041-1-ND	.50	.44	.39	478-3041-2-ND	2,000	171.00/M	TAJB335M016
	4.7	10	B	6	0.8	3500	478-1689-1-ND	.53	.46	.40	478-1689-2-ND	2,000	179.00/M	TAJB475K016
	4.7	20	A	6	0.8	4000	478-3032-1-ND	.40	.35	.31	478-3032-2-ND	2,000	136.00/M	TAJA475M016
	6.8	10	A	6	1.1	3500	478-1670-1-ND	.48	.42	.37	478-1670-2-ND	2,000	162.00/M	TAJA685K016
	6.8	20	B	6	1.1	2500	478-3046-1-ND	.50	.44	.39	478-3046-2-ND	2,000	171.00/M	TAJB685M016
	10	10	A	8	1.6	3000	478-1655-1-ND	.50	.44	.38	478-1655-2-ND	2,000	170.00/M	TAJA106K016
	10	10	B	6	1.6	2800	478-1673-1-ND	.55	.48	.42	478-1673-2-ND	2,000	187.00/M	TAJB106K016
	10	20	B	6	1.6	2800	478-1675-1-ND	.53	.47	.41	478-1675-2-ND	2,000	181.00/M	TAJB106M016
16	10	10	C	6	1.6	2000	478-1698-1-ND	.48	.42	.37	478-1698-2-ND	500	86.50	TAJC106K016
	10	20	C	6	1.6	2000	478-1702-1-ND	.40	.35	.31	478-1702-2-ND	500	73.00	TAJC106M016
	15	10	B	6	2.4	2500	478-2355-1-ND	.60	.53	.46	478-2355-2-ND	2,000	204.00/M	TAJB156K016
	22	10	B	6	3.5	2300	478-1682-1-ND	.55	.48	.42	478-1682-2-ND	2,000	187.00/M	TAJB226K016
	22	20	B	8	3.5	2300	478-1684-1-ND	.55	.48	.42	478-1684-2-ND	2,000	187.00/M	TAJB226M016
	33	10	B	8	5.3	2100	478-1688-1-ND†	.95	.83	.73	478-1688-2-ND	2,000	323.00/M	TAJB336K016
	33	10	C	6	5.3	1500	478-1715-1-ND	.63	.55	.48	478-1715-2-ND	500	114.00	TAJC336K016
	47	10	C	6	7.5	1400	478-1718-1-ND	1.00	.87	.76	478-1718-2-ND	500	182.00	TAJC476K016
	47	10	D	6	7.5	900	478-1739-1-ND	.83	.72	.63	478-1739-2-ND	500	150.00	TAJD476K016
	68	10	D	6	10.9	900	478-1744-1-ND	1.60	1.40	1.22	478-1744-2-ND	500	291.00	TAJD686K016
	68	10	C	6	10.9	1300	478-3070-1-ND†	1.62	1.41	1.24	478-3070-2-ND	500	295.00	TAJC686K016
	100	10	D	6	16	900	478-1723-1-ND	1.30	1.14	.99	478-1723-2-ND	500	236.50	TAJD107K016
	150	10	D	6	24	900	478-2356-1-ND	3.25	2.83	2.47	478-2356-2-ND	500	552.50	TAJD157K016
	220	10	E	10	35.2	500	478-2357-1-ND†	8.25	7.18	6.27	478-2357-2-ND	400	1122.00	TAJE227K016
	.1	10	R	4	0.5	25000	478-3286-1-ND	1.10	.96	.84	478-3286-2-ND	2,500	374.00/M	TAJR104K025
	.47	10	S	4	0.5	25000	478-3287-1-ND	1.20	1.05	.92	478-3287-2-ND	2,500	408.00/M	TAJS474K025
	1	10	A	4	0.5	9000	478-1650-1-ND	.45	.40	.35	478-1650-2-ND	2,000	153.00/M	TAJA105K025
	1	10	T	4	0.5	900	478-3288-1-ND	1.40	1.22	1.07	478-3288-2-ND	2,500	476.00/M	TAJT105K025
	1.5	10	A	6	0.5	6500	478-1658-1-ND	.35	.31	.27	478-1658-2-ND	2,000	119.00/M	TAJA155K025
	2.2	10	A	6	0.5	5300	478-2358-1-ND	.45	.40	.35	478-2358-2-ND	2,000	153.00/M	TAJA225K025
	2.2	20	B	6	0.5	3500	478-3037-1-ND	.50	.44	.39	478-3037-2-ND	2,000	171.00/M	TAJB225M025
	3.3	10	A	6	0.7	4500	478-1664-1-ND	.48	.42	.37	478-1664-2-ND	2,000	162.00/M	TAJA335K025
	3.3	10	B	6	0.7	3000	478-1685-1-ND	.50	.44	.39	478-1685-2-ND	2,000	171.00/M	TAJB335K025
	4.7	10	A	6	0.9	4000	478-1668-1-ND†	.48	.42	.37	478-1668-2-ND	2,000	162.00/M	TAJA475K025
	4.7	20	B	6	0.9	3000	478-3043-1-ND	.50	.44	.39	478-3043-2-ND	2,000	171.00/M	TAJB475M025
	6.8	10	C	6	1.4	2000	478-3071-1-ND	.50	.44	.38	478-3071-2-ND	2,000	168.00/M	TAJC685K025
	6.8	10	B	6	1.4	2500	478-1694-1-ND	.55	.48	.42	478-1694-2-ND	2,000	187.00/M	TAJB685K025
	6.8	10	C	6	1.4	2000	478-1719-1-ND†	.55	.48	.42	478-1719-2-ND	500	100.00	TAJC685K025
20	10	10	B	6	2	2100	478-1674-1-ND	.50	.44	.38	478-1674-2-ND	2,000	170.00/M	TAJB106K025
	10	10	C	6	2	1900	478-1699-1-ND	.46	.40	.35	478-1699-2-ND	500	83.50	TAJC106K025
	15	10	B	6	3	2000	478-1677-1-ND	.60	.53	.46	478-1677-2-ND	2,000	204.00/M	TAJB156K025
	15	10	C	6	3	1700	478-1707-1-ND	.88	.77	.67	478-1707-2-ND	500	159.50	TAJC156K025
	22	10	B	6	4.4	1800	478-1683-1-ND†	.63	.55	.48	478-1683-2-ND	2,000	213.00/M	TAJB226K025
	22	10	C	6	4.4	1600	478-1711-1-ND	1.00	.87	.76	478-1711-2-ND	500	182.00	TAJC226K025
	33	10	C	6	6.6	1500	478-1716-1-ND	1.00	.87	.76	478-1716-2-ND	500	182.00	TAJC336K025
	33	10	D	6	6.6	900	478-1734-1-ND	.75	.66	.57	478-1734-2-ND	500	136.50	TAJD336K025
	47	10	C	6	9.4	900	478-2359-1-ND	1.98	1.72	1.51	478-2359-2-ND	500	336.00	TAJC476K025
	68	10	D	6	13.6	900	478-1745-1-ND	2.30	2.01	1.75	478-1745-2-ND	500	418.50	TAJD686K025
	100	10	D	6	20	900	478-1724-1-ND†	3.25	2.83	2.47	478-1724-2-ND	500	591.50	TAJD107K025
	100	10	E	6	20	900	478-1746-1-ND	3.08	2.68	2.34	478-1746-2-ND	400	447.60	TAJE107K025
	150	10	E	8	30	300	478-2360-1-ND	5.49	4.78	4.18	478-2360-2-ND	400	746.80	TAJE157K025
	.47	10	A	4	0.5	14000	478-2339-1-ND	1.00	.87	.76	478-2339-2-ND	2,000	340.00/M	TAJA474K035
	.68	10	A	4	0.5	10000	478-2362-1-ND	1.00	.87	.76	478-2362-2-ND	2,000	340.00/M	TAJA684K035
	.68	20	A	4	0.5	10000	478-3033-1-ND	1.00	.87	.76	478-3033-2-ND	2,000	340.00/M	TAJA684M035
	1	10	A	4	0.5	8000	478-2363-1-ND	.48	.42	.37	478-2363-2-ND	2,000	162.00/M	TAJA105K035
	1.5	10	A	6	0.5	7500	478-2364-1-ND	.45	.40	.35	478-2364-2-ND	2,000	153.00/M	TAJA155K035
	1.5	20	B	6	0.5	5000	478-3034-1-ND	.50	.44	.39	478-3034-2-ND	2,000	171.00/M	TAJB155M035
	2.2	10	A	6	0.6	7000	478-1662-1-ND	.48	.42	.37	478-1662-2-ND	2,000	162.00/M	TAJA225K035
	2.2	20	B	6	0.6	4500	478-3038-1-ND	.50	.44	.39	478-3038-2-ND	2,000	171.00/M	TAJB225M035
	3.3	10	A	6	0.8	3700	478-3072-1-ND	.50	.44	.38	478-3072-2-ND	2,000	168.00/M	TAJA335K035
	6.8	10	B	6	1.7	2800	478-1695-1-ND†	.65	.57	.50	478-1695-2-ND	2,000	221.00/M	TAJB685K035
25	10	10	C	6	2.5	1800	478-1700-1-ND	.53	.46	.40	478-1700-2-ND	500	95.50	TAJC106K035
	10	10	W	6	2.5	1800	478-3289-1-ND	2.25	1.96	1.71	478-3289-2-ND	1,000	819.00	TAJW106K035
	10	10	D	6	2.5	1200	478-3354-1-ND	1.68	1.46	1.28	478-3354-2-ND	500	305.00	TAJD106K035
	15	10	D	6	3.8	1000	478-1726-1-ND	.83	.72	.63	478-1726-2-ND	500	150.00	TAJD156K035
	22	20	C	6	5.5	1400	478-1712-1-ND†	1.05	.92	.80	478-1712-2-ND	500	191.00	TAJC226M035
	22	10	D	6	5.5	900	478-1729-1-ND	.83	.72	.63	478-1729-2-ND	500	150.00	TAJD226K035
	33	10	D	6	8.3	900	478-2366-1-ND	3.25	2.83	2.47	478-2366-2-ND	500	552.50	TAJD336K035
	47	10	D	6	11.8	900	478-1740-1-ND†	3.89	3.39	2.96	478-1740-2-ND	500	708.00	TAJD476K035
	68	10	E	6	17	900	478-1750-1-ND	8.25	7.18	6.27	478-1750-2-ND	400	1201.20	TAJE686K035
	100	10	V	8	25	400	478-2367-1-ND	9.25	8.05	7.03	478-2367-2-ND	400	1258.00	TAJV107K035
	.1	10	A	4	0.5	24000	478-2368-1-ND	1.00	.87	.76	478-2368-2-ND	2,000	340.00/M	TAJA104K035
	.15	10	A	4	0.5	21000	478-2336-1-ND	1.00	.87	.76	478-2336-2-ND	2,000	340.00/M	TAJA154K035
	.22	10	A	4	0.5	18000	478-2337-1-ND	1.00	.87	.76	478-2337-2-ND	2,000	340.00/M	TAJA224K035
	.33	10	A	4	0.5	15000	478-2338-1-ND	1.00	.87	.76	478-2338-2-ND	2,000	340.00/M	TAJA334K035
	.47	10	A	4	0.5	12000	478-2340-1-ND	1.00	.87	.76	478-2340-2-ND	2,000	340.00/M	TAJA474K035
	.47	10	B	4	0.5	10000	478-2373-1-ND	1.50	1.31	1.14	478-2373-2-ND	2,000	510.00/M	TAJB474K035
	.68	10	A	4	0.5	8000	478-2341-1-ND	1.00	.87	.76	478-2341-2-ND	2,000	340.00/M	TAJA684K035
	.68	20	B	4	0.5	8000	478-3044-1-ND	.75	.66	.57	478-3044-2-ND	2,000	255.00/M	TAJB684M035
	1	10	A	4	0.5	7500	478-1651-1-ND†	.50	.44	.38	478-1651-2-ND	2,000	170.00/M	TAJA105K035
	1	10	B	4	0.5	6500	478-1671-1-ND	.50	.44	.39	478-1671-2-ND	2,000	171.00/M	TAJB105K035
	1.5	10	A	6	0.5	7500	478-1659-1-ND	.70	.61	.54	478-1659-2-ND	2,000	238.00/M	TAJA155K035
	1.5	10	B	6	0.5	5200	478-1678-1-ND	.60	.53	.46	478-1678-2-ND	2,000	204.00/M	TAJB155K035
	1.5	10	C	6	0.5	4500	478-1705-1-ND	.93	.81	.71	478-1705-2-ND	500	168.50	TAJC155K035
	2.2	10	A	6	0.8	4500	478-3073-1-ND	.90	.79	.69	478-3073-2-ND	2,000	306.00/M	TAJA225K035
	2.2	10	B	6	0.8	4200	478-1680-1-ND	.53	.46	.40	478-1680-2-ND	2,000	179.00/M	TAJB225K035
35	2.2	10	C	6	0.8	3500	478-1710-1-ND	.55	.48	.42	478-1710-2-ND	500	100.00	TAJC225K035
	2.2	10	T	6	0.8	4200	478-3290-1-ND	1.40	1.22	1.07	478-3290-2-ND	2,500	476.00/M	TAJT225K035
	3.3	10	B	6	1.2	3500	478-1686-1-ND	.55	.48	.42	478-1686-2-ND	2,000	187.00/M	TAJB335K035
	3.3	10	C	6	1.2	2500	478-1714-1-ND	.53	.46	.40	478-1714-2-ND	500	95.50	TAJC335K035
	3.3	10	D	6	1.2	2500	478-1732-1-ND	.75	.66	.57	—	—	—	TAJD335K035
	4.7	10	B	6	1.2	3100	478-1691-1-ND†	.65	.57	.50	478-1691-2-ND	2,000	221.00/M	TAJB475K035
	4.7	10	C	6	1.6	2200	478-1717-1-ND	.53	.46	.40	478-1717-2-ND	500	95.50	TAJC475K035
	4.7	10	D	6	1.6	1500	478-1737-1-ND	.83	.72	.63	478-1737-2-ND	500	150.00	TAJD475K035
	6.8	10	C	6	2.4	1800	478-1720-1-ND	.63	.55	.48	478-1720-2-ND	500	114.00	TAJC685K035
	6.8	10	D	6	2.4	1300	478-1742-1-ND	.83	.72	.63	478-1742-2-ND	500	150.00	TAJD685K035
	10	10	C	6	3.5	1600	478-1701-1-ND†	.95	.83	.73	478-1701-2-ND	500	173.00	TAJC106K035
	10	10	D	6	3.5	1000	478-1722-1-ND	.88	.77	.67	478-1722-2-ND	500	159.50	TAJD106K035
	15	10	C	6	5.3	1400	478-1708-1-ND	1.25	1.09	.95	478-1708-2-ND	500	227.50	TAJC156K035
	15	10	D	6	5.3	900	478-1727-1-ND	1.05	.92	.80	478-1727-2-ND	500	191.00	TAJD156K035
	22	10	D	6	7.7	900	478-1730-1-ND†	1.90	1.66	1.45	478-1730-2-ND	500	346.00	TAJD226K035

(Contin

AVX TAJ Series Standard Surface Mount Tantalum Capacitors (Cont.)

Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	AVX Part No.
35	.22	10	E	6	7.7	900	478-1747-1-ND	4.25	3.70	3.23	478-1747-2-ND	400	618.80	TAJE226K035R
	.33	10	D	6	11.6	900	478-1735-1-ND	2.40	2.09	1.83	478-1735-2-ND	500	437.00	TAJD336K035R
	.47	10	E	6	16.5	900	478-3074-1-ND†	7.43	6.46	5.65	478-3074-2-ND	400	1081.20	TAJE476K035R
	0.1	10	A	4	0.5	22000	478-1648-1-ND	.75	.66	.57	478-1648-2-ND	2,000	255.00/M	TAJA104K050R
	.15	10	A	4	0.5	15000	478-2375-1-ND	1.00	.87	.76	478-2375-2-ND	2,000	340.00/M	TAJA154K050R
	.22	10	A	4	0.5	18000	478-2376-1-ND	1.00	.87	.76	478-2376-2-ND	2,000	340.00/M	TAJA224K050R
	.33	10	B	4	0.5	12000	478-2377-1-ND†	1.50	1.31	1.14	478-2377-2-ND	2,000	510.00/M	TAJB334K050R
	.47	10	B	4	0.7	9500	478-2378-1-ND	1.50	1.31	1.14	478-2378-2-ND	2,000	510.00/M	TAJB474K050R
	.68	10	B	4	0.5	8000	478-2379-1-ND	1.50	1.31	1.14	478-2379-2-ND	2,000	510.00/M	TAJB684K050R
	.68	10	C	4	0.5	7000	478-2342-1-ND	2.25	1.96	1.71	478-2342-2-ND	500	382.50	TAJC684K050R
	1	10	C	4	0.5	5500	478-1697-1-ND†	.75	.66	.57	478-1697-2-ND	500	136.50	TAJC105K050R
	1	10	B	4	0.5	7000	478-3075-1-ND	1.35	1.18	1.03	478-3075-2-ND	2,000	459.00/M	TAJB105K050R
50	1.5	10	C	6	0.8	4500	478-1706-1-ND	2.25	1.96	1.71	478-1706-2-ND	500	409.50	TAJC155K050R
	1.5	10	D	6	0.8	4000	478-1725-1-ND	4.60	4.01	3.50	478-1725-2-ND	500	837.00	TAJD155K050R
	2.2	10	D	6	1.1	2500	478-1728-1-ND	1.43	1.24	1.09	478-1728-2-ND	500	259.50	TAJD225K050R
	3.3	10	C	6	1.7	2500	478-3076-1-ND	2.03	1.77	1.54	478-3076-2-ND	500	368.50	TAJC335K050R
	3.3	10	D	6	1.7	2000	478-1733-1-ND	1.40	1.22	1.07	478-1733-2-ND	500	255.00	TAJD335K050R
	4.7	10	D	6	2.4	1400	478-1738-1-ND	1.43	1.24	1.09	478-1738-2-ND	500	259.50	TAJD475K050R
	6.8	10	D	6	3.4	1000	478-1743-1-ND†	5.25	4.57	3.99	478-1743-2-ND	500	955.50	TAJD685K050R
	10	10	D	6	5	800	478-2380-1-ND	5.25	4.57	3.99	478-2380-2-ND	500	892.50	TAJD106K050R
	10	10	E	6	5	100	478-3291-1-ND†	11.25	9.79	8.55	478-3291-2-ND	400	1638.00	TAJE106K050R
	15	10	E	6	7.5	600	478-3077-1-ND	10.13	8.81	7.70	478-3077-2-ND	400	1474.40	TAJE156K050R

478-3443-ND ***NEW!*** ***TAJ Series Capacitors Kit*** 5 each of values denoted. Packaged in convenient mini-style notebook $46.25

AVX TPS Series Low ESR Surface Mount Tantalum Capacitors

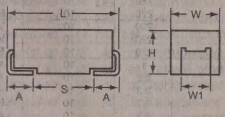
RoHS COMPLIANT

surface mount products have inherently low
(equivalent series resistance) and are capable
igher ripple current handling, producing lower
e voltages, less power and heat dissipation than
dard product for the most efficient use of circuit
er.

has been designed, manufactured, and precon-
ned for optimum performance in typical power
ply applications.

mperature Range: -55°C – 125°C

Case Size	EIA Code	Dimensions (mm) L	W	H	W_1	A	S Min.
A	3216-18	3.20	1.60	1.60	1.20	0.80	1.10
B	3528-21	3.50	2.80	1.90	2.20	0.80	1.40
C	6032-28	6.00	3.20	2.60	2.20	1.30	2.90
D	7343-31	7.30	4.30	2.90	2.40	1.30	4.40
E	7343-43	7.30	4.30	4.10	2.40	1.30	4.40
V	7361-38	7.30	6.10	3.45	3.10	1.40	4.40
W	6032-15	6.00	3.20	1.50	2.20	1.30	2.90



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Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	AVX Part No.
	47	10	A	8	1.9	500	478-2381-1-ND	1.00	.87	.76	478-2381-2-ND	2,000	340.00/M	TPSA476K004R0500
	220	10	D	8	8.8	100	478-2382-1-ND	4.20	3.66	3.20	478-2382-2-ND	500	764.50	TPSD227K004R0100
	220	10	D	8	8.8	50	478-3310-1-ND	4.40	3.83	3.35	478-3310-2-ND	500	801.00	TPSD227K004R0050
	330	10	D	8	13.2	35	478-2383-1-ND	14.65	12.75	11.14	478-2383-2-ND	500	2666.50	TPSD337K004R0035
4	330	10	D	8	13.2	100	478-2384-1-ND	11.40	9.92	8.67	478-2384-2-ND	500	2075.00	TPSD337K004R0100
	470	10	D	12	18.8	45	478-2385-1-ND	9.00	7.83	6.84	478-2385-2-ND	500	1638.00	TPSD477K004R0045
	680	10	D	14	27.2	100	478-2386-1-ND	12.95	11.27	9.85	478-2386-2-ND	500	2357.00	TPSD687K004R0100
	680	10	D	14	27.2	45	478-3078-1-ND	12.24	10.65	9.31	478-3078-2-ND	500	2227.50	TPSD687K004R0045
	1000	10	V	16	40	35	478-3311-1-ND	19.25	16.75	14.63	478-3311-2-ND	400	2802.80	TPSV108K004R0035
	1000	10	V	16	40	40	478-2387-1-ND	18.75	16.32	14.25	478-2387-2-ND	400	2730.00	TPSV108K004R0040
	10	10	A	6	0.6	1500	478-2388-1-ND	1.00	.87	.76	478-2388-2-ND	2,000	340.00/M	TPSA106K006R1500
	22	10	A	6	1.4	900	478-1754-1-ND	.75	.66	.57	478-1754-2-ND	2,000	255.00/M	TPSA226K006R0900
	33	10	A	8	2.1	600	478-1755-1-ND	1.00	.87	.76	478-1755-2-ND	2,000	340.00/M	TPSA336K006R0600
	47	10	B	6	3	250	478-2389-1-ND	1.25	1.09	.95	478-2389-2-ND	2,000	425.00/M	TPSB476K006R0250
	47	10	A	10	2.8	800	478-3079-1-ND	.90	.79	.69	478-3079-2-ND	2,000	306.00/M	TPSA476K006R0800
	68	20	B	8	4.3	500	478-1761-1-ND	1.20	1.05	.92	478-1761-2-ND	2,000	408.00/M	TPSB686M006R0500
	68	10	W	6	4.3	125	478-3312-1-ND	4.00	3.48	3.04	478-3312-2-ND	1,000	1456.00	TPSW686K006R0125
	100	10	C	6	6.3	75	478-3313-1-ND	3.20	2.79	2.44	478-3313-2-ND	500	582.50	TPSC107K006R0075
	100	10	B	10	6.3	250	478-3080-1-ND	1.13	.98	.86	478-3080-2-ND	2,000	383.00/M	TPSB107K006R0250
	150	10	C	8	9.5	150	478-2390-1-ND	2.65	2.31	2.02	478-2390-2-ND	500	482.50	TPSC157K006R0150
6.3	220	10	C	8	13.9	125	478-1768-1-ND	1.85	1.61	1.41	478-1768-2-ND	500	336.50	TPSC227K006R0125
	220	10	C	8	13.9	70	478-3081-1-ND	2.16	1.88	1.65	478-3081-2-ND	500	393.00	TPSC227K006R0070
	220	10	D	8	13.2	100	478-3362-1-ND	4.20	3.66	3.20	478-3362-2-ND	500	764.50	TPSD227K006R0100
	220	20	D	8	13.2	100	478-3061-1-ND	3.50	3.05	2.66	478-3061-2-ND	500	637.00	TPSD227M006R0100
	330	20	E	8	20.8	100	478-1804-1-ND	9.50	8.27	7.22	478-1804-2-ND	400	1383.20	TPSE337M006R0100
	330	10	D	8	20.8	45	478-3314-1-ND	14.40	12.53	10.95	478-3314-2-ND	500	2621.00	TPSD337K006R0045
	470	20	D	12	29.6	200	478-1791-1-ND	5.65	4.92	4.30	478-1791-2-ND	500	1028.50	TPSD477M006R0200
	470	10	D	12	29.6	45	478-3082-1-ND	7.11	6.19	5.41	478-3082-2-ND	500	1294.00	TPSD477K006R0045
	470	10	D	12	29.6	100	478-3315-1-ND	7.30	6.36	5.55	478-3315-2-ND	500	1328.50	TPSD477K006R0100
	470	10	E	10	29.6	45	478-3316-1-ND	13.35	11.62	10.15	478-3316-2-ND	400	1943.60	TPSD477K006R0045
	680	10	V	14	42.8	35	478-3083-1-ND	13.73	11.95	10.44	478-3083-2-ND	400	1998.40	TPSV687K006R0035
	680	10	E	10	42.8	45	478-1809-1-ND	14.50	12.62	11.02	478-1809-2-ND	400	2111.20	TPSE687K006R0045
	2.2	10	A	6	0.5	1800	478-1753-1-ND	.75	.66	.57	478-1753-2-ND	2,000	255.00/M	TPSA225K010R1800
	4.7	10	A	8	0.5	1400	478-2391-1-ND	1.00	.87	.76	478-2391-2-ND	2,000	340.00/M	TPSA475K010R1400
	6.8	10	A	6	0.7	1800	478-2392-1-ND	1.00	.87	.76	478-2392-2-ND	2,000	340.00/M	TPSA685K010R1800
	10	10	A	6	1	900	478-1751-1-ND	.70	.61	.54	478-1751-2-ND	2,000	238.00/M	TPSA106K010R0900
	10	10	A	6	1	1800	478-3317-1-ND	1.00	.87	.76	478-3317-2-ND	2,000	340.00/M	TPSA106K010R1800
	15	10	A	6	1.5	1000	478-1752-1-ND	.75	.66	.57	478-1752-2-ND	2,000	255.00/M	TPSA156K010R1000
	22	10	B	8	2.2	700	478-3318-1-ND	1.25	1.09	.95	478-3318-2-ND	2,000	425.00/M	TPSB226K010R0700
	22	10	B	6	2.2	400	478-2393-1-ND	1.25	1.09	.95	478-2393-2-ND	2,000	425.00/M	TPSB226K010R0400
	33	10	B	6	3.3	425	478-1759-1-ND	1.20	1.05	.92	478-1759-2-ND	2,000	408.00/M	TPSB336K010R0425
	33	10	C	6	3.3	375	478-1770-1-ND	2.00	1.74	1.52	478-1770-2-ND	500	364.00	TPSC336K010R0375
	33	10	C	6	3.3	150	478-3319-1-ND	2.65	2.31	2.02	478-3319-2-ND	500	482.50	TPSC336K010R0150
	47	10	B	8	4.7	650	478-1760-1-ND	1.25	1.09	.95	478-1760-2-ND	2,000	425.00/M	TPSB476K010R0650
	47	10	B	8	4.7	250	478-3085-1-ND	1.13	.98	.86	478-3085-2-ND	2,000	383.00/M	TPSB476K010R0250
10	47	20	C	6	4.7	350	478-3059-1-ND	1.75	1.53	1.33	478-3059-2-ND	500	318.50	TPSC476M010R0350
	68	10	B	8	6.8	600	478-3084-1-ND	1.13	.98	.86	478-3084-2-ND	2,000	383.00/M	TPSB686K010R0600
	100	10	C	8	10	75	478-3086-1-ND	2.48	2.16	1.89	478-3086-2-ND	500	450.50	TPSC107K010R0075
	100	10	C	8	10	200	478-3357-1-ND	2.45	2.14	1.87	478-3357-2-ND	500	446.00	TPSC107K010R0200
	100	10	D	6	10	50	478-3320-1-ND	5.35	4.66	4.07	478-3320-2-ND	500	973.50	TPSD107K010R0050
	100	10	C	8	10	100	478-1765-1-ND	1.88	1.64	1.43	478-1765-2-ND	500	341.50	TPSC107K010R0100
	100	10	D	6	10	65	478-1776-1-ND	3.90	3.40	2.97	478-1776-2-ND	500	710.00	TPSD107K010R0065
	100	10	D	6	10	100	478-1777-1-ND	2.35	2.05	1.79	478-1777-2-ND	500	427.50	TPSD107K010R0100
	100	20	D	6	10	100	478-1779-1-ND	2.35	2.05	1.79	478-1779-2-ND	500	427.50	TPSD107M010R0100
	150	10	D	6	15	50	478-3321-1-ND	5.75	5.01	4.37	478-3321-2-ND	500	1046.50	TPSD157K010R0050
	150	10	D	8	15	100	478-1781-1-ND	3.50	3.05	2.66	478-1781-2-ND	500	637.00	TPSD157K010R0100
	220	10	D	8	22	100	478-3322-1-ND	8.25	7.19	6.27	478-3322-2-ND	500	1501.50	TPSD227K010R0100
	220	10	E	8	22	50	478-3323-1-ND	12.75	11.10	9.69	478-3323-2-ND	400	1856.40	TPSE227K010R0050
	220	10	D	8	22	150	478-1784-1-ND	6.75	5.88	5.13	478-1784-2-ND	500	1228.50	TPSD227K010R0150

(Continued)

Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	AVX Part No.
	220	10	E	8	22	100	478-1799-1-ND	9.50	8.27	7.22	478-1799-2-ND	400	1383.20	TPSE227K010R010
	330	10	D	10	33	100	478-1787-1-ND	6.85	5.96	5.21	478-1787-2-ND	500	1246.50	TPSD337K010R010
10	330	10	D	8	33	50	478-3087-1-ND	12.11	10.54	9.20	478-3087-2-ND	500	2203.00	TPSD337K010R005
	470	10	E	10	47	45	478-3088-1-ND	14.85	12.92	11.29	478-3088-2-ND	400	2162.00	TPSE477K010R004
	470	10	E	10	47	100	478-1807-1-ND	14.90	12.97	11.33	478-1807-2-ND	400	2169.60	TPSE477K010R010
	2.2	10	A	6	0.5	1800	478-2394-1-ND	1.00	.87	.76	478-2394-2-ND	2,000	340.00/M	TPSA225K016R180
	3.3	10	A	6	0.5	3500	478-2395-1-ND	1.00	.87	.76	478-2395-2-ND	2,000	340.00/M	TPSA335K016R350
	4.7	10	B	6	0.8	1500	478-2396-1-ND	1.25	1.09	.95	478-2396-2-ND	2,000	425.00/M	TPSB475K016R150
	6.8	10	B	6	1.1	1200	478-2397-1-ND	1.25	1.09	.95	478-2397-2-ND	2,000	425.00/M	TPSB685K016R120
	6.8	10	A	6	1.1	1500	478-3089-1-ND	.90	.79	.69	478-3089-2-ND	2,000	306.00/M	TPSA685K016R150
	10	10	B	6	1.6	800	478-2398-1-ND	1.25	1.09	.95	478-2398-2-ND	2,000	425.00/M	TPSB106K016R080
	15	10	B	6	2.4	800	478-1757-1-ND	1.00	.87	.76	478-1757-2-ND	2,000	340.00/M	TPSB156K016R080
	22	10	B	6	3.5	600	478-1758-1-ND	1.00	.87	.76	478-1758-2-ND	2,000	340.00/M	TPSB226K016R060
	22	10	C	6	3.5	375	478-1767-1-ND	.88	.77	.67	478-1767-2-ND	500	159.50	TPSC226K016R037
	33	10	C	6	5.3	300	478-1771-1-ND	1.75	1.53	1.33	478-1771-2-ND	500	318.50	TPSC336K016R030
	33	10	B	8	5.3	350	478-3090-1-ND	1.13	.98	.86	478-3090-2-ND	2,000	383.00/M	TPSB336K016R035
	33	10	W	6	5.3	175	478-3324-1-ND	4.00	3.48	3.04	478-3324-2-ND	1,000	1456.00	TPSW336K016R017
	47	10	D	6	7.5	80	478-3325-1-ND	4.00	3.48	3.04	478-3325-2-ND	500	728.00	TPSD476K016R008
	47	10	C	6	7.5	350	478-1773-1-ND	2.55	2.22	1.94	478-1773-2-ND	500	464.00	TPSC476K016R035
16	47	10	D	6	7.5	150	478-1788-1-ND	3.90	3.40	2.97	478-1788-2-ND	500	710.00	TPSD476K016R015
	68	10	C	6	10.9	125	478-3091-1-ND	2.66	2.31	2.02	478-3091-2-ND	500	483.00	TPSC686K016R012
	68	10	C	6	10.9	200	478-1774-1-ND	1.44	1.25	1.10	478-1774-2-ND	500	261.00	TPSC686K016R020
	100	10	D	6	16	125	478-1778-1-ND	4.20	3.66	3.20	478-1778-2-ND	500	764.50	TPSD107K016R012
	100	10	E	6	16	100	478-1793-1-ND	9.25	8.05	7.03	478-1793-2-ND	400	1346.80	TPSE107K016R010
	100	10	D	6	16	150	478-3358-1-ND	4.20	3.66	3.20	478-3358-2-ND	500	764.50	TPSD107K016R015
	100	10	E	6	16	125	478-1794-1-ND	8.50	7.40	6.46	478-1794-2-ND	400	1237.60	TPSE107K016R012
	150	10	D	6	24	60	478-3092-1-ND	9.68	8.42	7.36	478-3092-2-ND	500	1761.00	TPSD157K016R008
	150	10	D	6	24	100	478-3326-1-ND	10.25	8.92	7.79	478-3326-2-ND	500	1865.50	TPSD157K016R010
	150	10	D	6	24	150	478-1782-1-ND	5.00	4.35	3.80	478-1782-2-ND	500	910.00	TPSD157K016R015
	220	10	E	10	35.2	100	478-3093-1-ND	9.45	8.23	7.19	478-3093-2-ND	400	1376.00	TPSE227K016R010
	220	10	V	8	35.2	50	478-3327-1-ND	16.10	14.01	12.24	478-3327-2-ND	400	2344.00	TPSV227K016R005
	220	10	V	8	35.2	75	478-3328-1-ND	15.75	13.71	11.97	478-3328-2-ND	400	2293.20	TPSV227K016R007
	220	10	E	10	35.2	150	478-1800-1-ND	10.00	8.70	7.60	478-1800-2-ND	400	1456.00	TPSE227K016R015
	1	10	A	4	0.5	3000	478-2399-1-ND	1.00	.87	.76	478-2399-2-ND	2,000	340.00/M	TPSA105K020R300
	2.2	10	A	6	0.5	3000	478-2400-1-ND	1.00	.87	.76	478-2400-2-ND	2,000	340.00/M	TPSA225K020R300
	3.3	10	A	6	0.7	2500	478-2401-1-ND	1.00	.87	.76	478-2401-2-ND	2,000	340.00/M	TPSA335K020R250
	4.7	10	B	6	0.9	1000	478-2402-1-ND	1.25	1.09	.95	478-2402-2-ND	2,000	425.00/M	TPSB475K020R100
	6.8	10	A	6	1.4	1000	478-3094-1-ND	.90	.79	.69	478-3094-2-ND	2,000	306.00/M	TPSA685K020R100
	6.8	10	B	6	1.4	1000	478-2403-1-ND	1.25	1.09	.95	478-2403-2-ND	2,000	425.00/M	TPSB685K020R100
	10	10	B	6	2	1000	478-1756-1-ND	1.25	1.09	.95	478-1756-2-ND	2,000	425.00/M	TPSB106K020R100
	15	10	C	6	3	450	478-1766-1-ND	2.10	1.83	1.60	478-1766-2-ND	500	382.00	TPSC156K020R045
	22	10	B	6	4.4	400	478-3095-1-ND	1.13	.98	.86	478-3095-2-ND	2,000	383.00/M	TPSB226K020R040
	22	10	C	6	4.4	150	478-2404-1-ND	2.60	2.27	1.98	478-2404-2-ND	500	442.00	TPSC226K020R015
	33	10	C	6	6.6	300	478-3096-1-ND	2.05	1.79	1.56	478-3096-2-ND	500	372.50	TPSC336K020R030
20	33	10	D	6	6.6	200	478-1785-1-ND	3.90	3.40	2.97	478-1785-2-ND	500	710.00	TPSD336K020R020
	47	10	E	6	9.4	125	478-1805-1-ND	7.75	6.75	5.89	478-1805-2-ND	400	1128.40	TPSE476K020R012
	47	10	E	6	9.4	150	478-1806-1-ND	5.45	4.74	4.14	478-1806-2-ND	400	792.80	TPSE476K020R015
	47	10	D	6	9.4	100	478-3329-1-ND	3.75	3.27	2.85	478-3329-2-ND	500	682.50	TPSD476K020R010
	68	10	E	6	13.6	150	478-1808-1-ND	9.00	7.83	6.84	478-1808-2-ND	400	1310.40	TPSE686K020R015
	68	10	D	6	13.6	300	478-1792-1-ND	3.65	3.18	2.78	478-1792-2-ND	500	664.50	TPSD686K020R030
	100	10	D	6	20	85	478-3097-1-ND	3.83	3.33	2.91	478-3097-2-ND	500	696.00	TPSD107K020R009
	100	10	E	6	20	100	478-3098-1-ND	13.73	11.95	10.44	478-3098-2-ND	400	1998.40	TPSE107K020R010
	100	10	V	8	20	60	478-3330-1-ND	17.00	14.79	12.92	478-3330-2-ND	400	2475.20	TPSV107K020R006
	100	10	E	6	20	150	478-1795-1-ND	5.75	5.01	4.37	478-1795-2-ND	400	837.20	TPSE107K020R015
	150	10	V	8	30	80	478-3099-1-ND	14.27	12.42	10.85	478-3099-2-ND	400	2076.80	TPSV157 K020R008
	68	10	A	4	0.5	6000	478-2405-1-ND	1.00	.87	.76	478-2405-2-ND	2,000	340.00/M	TPSA684K025R600
	1.5	10	A	6	0.5	3000	478-2406-1-ND	1.00	.87	.76	478-2406-2-ND	2,000	340.00/M	TPSA155K025R300
	3.3	10	A	6	0.8	1000	478-3100-1-ND	.90	.79	.69	478-3100-2-ND	2,000	306.00/M	TPSA335K025R100
	3.3	10	B	6	0.8	2000	478-2407-1-ND	1.25	1.09	.95	478-2407-2-ND	2,000	425.00/M	TPSB335K025R200
	4.7	10	B	6	1.2	900	478-2408-1-ND	1.25	1.09	.95	478-2408-2-ND	2,000	425.00/M	TPSB475K025R090
	6.8	10	B	6	1.7	700	478-3101-1-ND	1.13	.98	.86	478-3101-2-ND	2,000	383.00/M	TPSB685K025R070
	6.8	10	C	6	1.7	600	478-2409-1-ND	1.60	1.40	1.22	478-2409-2-ND	500	272.00	TPSC685K025R060
	10	10	C	6	2.5	500	478-1762-1-ND	.88	.77	.67	478-1762-2-ND	500	159.50	TPSC106K025R050
	10	10	C	6	2.5	300	478-3360-1-ND	2.60	2.27	1.98	478-3360-2-ND	500	473.00	TPSC106K025R030
	10	20	C	6	2.5	500	478-1763-1-ND	.88	.77	.67	478-1763-2-ND	500	159.50	TPSC106M025R050
	22	10	D	6	5.5	200	478-1783-1-ND	3.90	3.40	2.97	478-1783-2-ND	500	710.00	TPSD226K025R020
	22	10	C	6	5.5	275	478-3102-1-ND	2.16	1.88	1.65	478-3102-2-ND	500	393.00	TPSC226K025R027
	22	10	D	6	5.5	100	478-3331-1-ND	4.20	3.66	3.20	478-3331-2-ND	500	764.50	TPSD226K025R010
25	33	10	D	6	8.3	300	478-1786-1-ND	3.60	3.14	2.74	478-1786-2-ND	500	655.00	TPSD336K025R030
	33	10	E	6	8.3	300	478-1801-1-ND	6.75	5.88	5.13	478-1801-2-ND	400	982.80	TPSE336K025R030
	33	10	D	6	8.3	100	478-3332-1-ND	4.35	3.79	3.31	478-3332-2-ND	500	791.50	TPSD336K025R010
	33	20	D	6	8.3	200	478-3062-1-ND	3.95	3.44	3.01	478-3062-2-ND	500	719.00	TPSD336M025R020
	33	10	D	6	8.3	200	478-3359-1-ND	4.05	3.53	3.08	478-3359-2-ND	500	737.00	TPSD336K025R020
	33	20	E	6	8.3	175	478-1802-1-ND	7.00	6.09	5.32	478-1802-2-ND	400	1019.20	TPSE336M025R017
	33	20	E	6	8.3	200	478-1803-1-ND	6.80	5.92	5.17	478-1803-2-ND	400	990.00	TPSE336M025R020
	47	10	D	6	11.8	150	478-1789-1-ND	6.75	5.88	5.13	478-1789-2-ND	500	1228.50	TPSD476K025R015
	47	10	D	6	11.8	125	478-3103-1-ND	6.26	5.45	4.76	478-3103-2-ND	500	1138.50	TPSD476K025R012
	47	10	D	6	11.8	250	478-3333-1-ND	4.05	3.53	3.08	478-3333-2-ND	500	737.00	TPSD476K025R025
	68	10	E	6	17	200	478-3334-1-ND	8.50	7.40	6.46	478-3334-2-ND	400	1237.60	TPSE686K025R020
	68	10	V	6	17	95	478-3335-1-ND	16.75	14.58	12.73	478-3335-2-ND	400	2438.80	TPSV686K025R009
	68	10	E	6	17	125	478-2410-1-ND	10.25	8.92	7.79	478-2410-2-ND	400	1492.40	TPSE686K025R012
	100	10	V	8	25	100	478-3104-1-ND	15.08	13.12	11.46	478-3104-2-ND	400	2194.80	TPSV107K025R010
	68	10	A	4	0.5	6000	478-2411-1-ND	1.00	.87	.76	478-2411-2-ND	2,000	340.00/M	TPSA684K035R600
	1	10	B	4	0.5	2000	478-2412-1-ND	1.25	1.09	.95	478-2412-2-ND	2,000	425.00/M	TPSB105K035R200
	1	10	A	4	0.5	3000	478-3336-1-ND	1.00	.87	.76	478-3336-2-ND	2,000	340.00/M	TPSA105K035R300
	1.5	10	B	6	0.5	2500	478-2413-1-ND	1.25	1.09	.95	478-2413-2-ND	2,000	425.00/M	TPSB155K035R250
	2.2	10	B	6	0.8	2000	478-2414-1-ND	1.25	1.09	.95	478-2414-2-ND	2,000	425.00/M	TPSB225K035R200
	3.3	10	C	6	1.2	700	478-1769-1-ND	1.95	1.70	1.49	478-1769-2-ND	500	355.00	TPSC335K035R070
	4.7	10	C	6	1.6	600	478-1772-1-ND	1.95	1.70	1.49	478-1772-2-ND	500	355.00	TPSC475K035R060
	6.8	10	D	6	2.4	400	478-2415-1-ND	4.05	3.53	3.08	478-2415-2-ND	500	737.00	TPSD685K035R040
	10	10	D	6	3.5	300	478-1775-1-ND	1.43	1.24	1.09	478-1775-2-ND	500	259.50	TPSD106K035R030
35	10	10	D	6	3.5	125	478-3337-1-ND	4.00	3.48	3.04	478-3337-2-ND	500	728.00	TPSD106K035R012
	15	10	C	6	5.3	350	478-3107-1-ND	1.98	1.73	1.51	478-3107-2-ND	500	360.50	TPSC156K035R035
	15	10	D	6	5.3	300	478-1780-1-ND	3.00	2.61	2.28	478-1780-2-ND	500	546.00	TPSD156K035R030
	22	10	D	6	7.7	125	478-1796-1-ND	9.75	8.49	7.41	478-1796-2-ND	400	1419.60	TPSE226K035R012
	22	10	E	6	7.7	200	478-1797-1-ND	9.25	8.05	7.03	478-1797-2-ND	400	1346.80	TPSE226K035R020
	22	10	E	6	7.7	300	478-1798-1-ND	8.75	7.62	6.65	478-1798-2-ND	400	1274.00	TPSE226K035R030
	22	20	D	6	7.7	300	478-3060-1-ND	9.25	8.05	7.03	478-3060-2-ND	500	1683.50	TPSD226M035R030
	22	10	D	6	7.7	200	478-3356-1-ND	10.00	8.70	7.60	478-3356-2-ND	500	1820.00	TPSD226K035R020
	33	10	D	6	11.6	200	478-3108-1-ND	9.00	7.83	6.84	478-3108-2-ND	500	1638.00	TPSD336K035R020
	33	10	E	6	11.6	1005	478-3338-1-ND	11.00	9.57	8.36	478-3338-2-ND	400	1601.60	TPSE336K035R010

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KEMET Tantalum Dipped / Radial Capacitors

T350 and T356 "UltraDip II" Series

KEMET "UltraDip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness of low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits.

The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch.

Case sizes are printed with capacitance, voltage, polarity and vendor identification, these self-insulating cases are resistant to shock and vibration.

A gold color epoxy permits Laser marking with outstanding permanency and legibility.

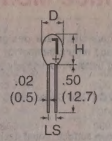
Solid tantalum devices exhibit no degradation failure mode during shelf storage.

These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. *The ESR values provided are for reference only.*

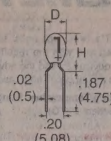
- **Operating Temperature:** -55°C–85°C (125°C with voltage derating)
- **Capacitance Tolerance (%):** ±10

RoHS Compliant part numbers available

T350 Series



T356 Series



	Cap. (µF)	ESRΩ @ 100KHz @ +25°C	D.C.L. µA@ 25°C	Max. DF % @25°C 120Hz	Dimensions (mm) D	H	LS	Digi-Key Part No.	Price Each 1	10	100	Kemet Part No.
T350 Series												
	15	5	0.7	6	5.0	8.4	2.54	399-1380-ND	.66	.57	.45	T350C156K006AS
	68	1.8	3.3	6	6.3	10.2	2.54	399-1384-ND	1.10	.95	.75	T350G686K006AS
	3.3	10	0.5	5	4.5	7.1	2.54	399-1388-ND	.48	.42	.33	T350A335K010AS
	6.8	6	0.5	5	4.5	7.6	2.54	399-1390-ND	.66	.57	.45	T350B685K010AS
	15	3.7	1.2	6	5.5	8.9	2.54	399-1392-ND	.78	.68	.53	T350E156K010AS
	33	2.1	2.6	6	6.0	9.9	2.54	399-1394-ND	1.03	.89	.70	T350F336K010AS
	68	1.3	5.4	6	7.6	10.2	2.54	399-1396-ND	2.60	2.23	1.75	T350H686K010AS
	6.8	4	0.9	5	5.0	8.4	2.54	399-1402-ND	.69	.59	.47	T350C685K016AS
	10	3.2	1.3	6	5.5	8.9	2.54	399-1403-ND	.96	.72	.51	T350E106K016AS
	22	2	2.6	6	6.0	9.9	2.54	399-1405-ND	1.26	.94	.67	T350F226K016AS
	47	1	9.4	6	8.9	13.5	5.08	399-1422-ND	5.07	4.35	3.41	T350K476K025AS
	15	21	0.5	3	4.5	7.1	2.54	399-1424-ND	.48	.42	.33	T350A154K035AS
	10	26	0.5	3	4.5	7.1	2.54	399-1439-ND	.53	.45	.36	T350A104K050AS
	15	21	0.5	3	4.5	7.1	2.54	399-1440-ND	.53	.45	.36	T350A154K050AS
	22	17	0.5	3	4.5	7.1	2.54	399-1441-ND	.53	.45	.36	T350A224K050AS
	68	10	0.5	3	4.5	7.6	2.54	399-1444-ND	.59	.51	.40	T350B684K050AS
	1.5	5	0.6	5	5.5	8.9	2.54	399-1446-ND	.88	.76	.60	T350E155K050AS
T350 Series — RoHS Compliant												
	4.7	10	0.5	5	4.5	7.1	2.54	399-3543-ND	.39	.34	.27	T350A475K006AT
	6.8	8	0.5	5	4.5	7.1	2.54	399-3546-ND	.48	.42	.33	T350A685K006AT
	10	6	0.5	6	4.5	7.6	2.54	399-3548-ND	.59	.51	.40	T350B106K006AT
	15	5	0.7	6	5.0	8.4	2.54	399-3557-ND	.66	.57	.45	T350C156K006AT
	22	3.7	1.1	6	5.0	8.6	2.54	399-3561-ND	.78	.68	.53	T350D226K006AT
	33	3	1.6	6	5.5	8.9	2.54	399-3571-ND	.83	.72	.56	T350E336K006AT
	47	2	2.3	6	6.0	9.9	2.54	399-3577-ND	.93	.80	.63	T350F476K006AT
	68	1.8	3.3	6	6.3	10.2	2.54	399-3582-ND	1.10	.95	.75	T350G686K006AT
	100	1.6	4.8	8	7.6	10.2	2.54	399-3583-ND	2.60	2.23	1.75	T350H107K006AT
	150	0.9	7.2	8	8.4	12.7	5.08	399-3590-ND	3.33	2.86	2.24	T350J157K006AT
	2.2	13	0.5	5	4.5	7.1	2.54	399-3536-ND	.48	.42	.33	T350A225K010AT
	3.3	10	0.5	5	4.5	7.1	2.54	399-3540-ND	.48	.42	.33	T350A335K010AT
	4.7	8	0.5	5	4.5	7.1	2.54	399-3544-ND	.48	.42	.33	T350A475K010AT
	6.8	6	0.5	5	4.5	7.6	2.54	399-3555-ND	.66	.57	.45	T350B685K010AT
	10	5	0.8	6	5.0	8.4	2.54	399-3556-ND	.66	.57	.45	T350C106K010AT
	15	3.7	1.2	6	5.5	8.9	2.54	399-3567-ND	.78	.68	.53	T350E156K010AT
	22	2.7	1.8	6	5.5	8.9	2.54	399-3570-ND	.88	.76	.60	T350E226K010AT
	33	2.1	2.6	6	6.0	9.9	2.54	399-3576-ND	1.03	.89	.70	T350F336K010AT
	47	1.7	3.8	6	7.6	10.2	2.54	399-3586-ND	1.81	1.56	1.22	T350H476K010AT
	68	1.3	5.4	6	7.6	10.2	2.54	399-3587-ND	2.60	2.23	1.75	T350H686K010AT
	100	1	8.0	8	8.4	12.7	5.08	399-3588-ND	3.33	2.86	2.24	T350J107K010AT
	1.5	10	0.5	5	4.5	7.1	2.54	399-3532-ND	.48	.42	.33	T350A155K016AT
	2.2	8	0.5	5	4.5	7.1	2.54	399-3537-ND	.48	.42	.33	T350A225K016AT
	3.3	6	0.5	5	4.5	7.1	2.54	399-3541-ND	.48	.42	.33	T350A335K016AT
	4.7	5	0.6	5	4.5	7.6	2.54	399-3553-ND	.59	.51	.40	T350B475K016AT
	6.8	4	0.9	5	5.0	8.4	2.54	399-3560-ND	.69	.59	.47	T350C685K016AT
	10	3.2	1.3	6	5.5	8.9	2.54	399-3563-ND	.71	.61	.48	T350E106K016AT
	15	2.5	1.8	6	5.5	8.9	2.54	399-3568-ND	.93	.80	.63	T350E156K016AT
	22	2	2.6	6	6.0	9.9	2.54	399-3574-ND	.93	.80	.63	T350F226K016AT
	33	1.6	4.0	6	7.6	10.2	2.54	399-3585-ND	1.81	1.56	1.22	T350H336K016AT
	47	1.3	5.6	6	8.4	12.7	5.08	399-3592-ND	2.77	2.38	1.87	T350J476K016AT
	6.8	1	8.2	6	8.9	13.5	5.08	399-3597-ND	3.33	2.86	2.24	T350K686K016AT
	100	0.8	10.0	8	8.9	16.0	5.08	399-3598-ND	7.14	6.12	4.80	T350L107K016AT
	10	2.9	1.6	6	5.5	8.9	2.54	399-3564-ND	.88	.76	.60	T350E106K020AT
	100	0.6	10.0	8	10.2	17.0	5.08	399-3599-ND	8.18	7.02	5.50	T350M107K020AT
	1.0	10	0.5	3	4.5	7.1	2.54	399-3528-ND	.48	.42	.33	T350A105K025AT
	1.5	8	0.5	5	4.5	7.1	2.54	399-3533-ND	.48	.42	.33	T350A155K025AT
	2.2	6	0.5	5	4.5	7.6	2.54	399-3550-ND	.59	.51	.40	T350B225K025AT
	3.3	5	0.7	5	4.5	7.6	2.54	399-3551-ND	.59	.51	.40	T350B335K025AT
	4.7	4	0.9	5	5.0	8.4	2.54	399-3559-ND	.71	.61	.48	T350C475K025AT
	6.8	3.1	1.4	5	5.5	8.9	2.54	399-3573-ND	.93	.80	.63	T350E685K025AT
	10	2.5	2.0	6	5.5	8.9	2.54	399-3565-ND	.93	.80	.63	T350E106K025AT
	15	2	3.0	6	6.3	10.2	2.54	399-3580-ND	2.00	1.71	1.34	T350G156K025AT
	22	1.5	4.4	6	7.6	10.2	2.54	399-3584-ND	2.60	2.23	1.75	T350H226K025AT
	33	1.2	6.6	6	8.4	12.7	5.08	399-3591-ND	3.33	2.86	2.24	T350J336K025AT
	47	1	9.4	6	8.9	13.5	5.08	399-3596-ND	5.07	4.35	3.41	T350K476K025AT
	10	26	0.5	3	4.5	7.1	2.54	399-3526-ND	.48	.42	.33	T350A104K035AT
	15	21	0.5	3	4.5	7.1	2.54	399-3530-ND	.48	.42	.33	T350A154K035AT

WV (DC)	Cap. (µF)	ESRΩ @ 100KHz @ +25°C	D.C.L. µA@ 25°C	Max. DF % @25°C 120Hz	Dimensions (mm) D	H	LS	Digi-Key Part No.	Price Each 1	10	100	Kemet Part No.
	.22	17	0.5	3	4.5	7.1	2.54	399-3534-ND	.48	.42	.33	T350A224K035AT
	.33	15	0.5	3	4.5	7.1	2.54	399-3538-ND	.48	.42	.33	T350A334K035AT
	.47	13	0.5	3	4.5	7.1	2.54	399-3542-ND	.48	.42	.33	T350A474K035AT
	.68	10	0.5	3	4.5	7.1	2.54	399-3545-ND	.48	.42	.33	T350A684K035AT
	1.0	8	0.5	3	4.5	7.1	2.54	399-3529-ND	.48	.42	.33	T350A105K035AT
	1.5	6	0.5	5	4.5	7.6	2.54	399-3549-ND	.54	.47	.37	T350B155K035AT
	2.2	5	0.6	5	5.0	8.4	2.54	399-3558-ND	.59	.51	.40	T350C225K035AT
	3.3	4	0.9	5	5.0	8.6	2.54	399-3562-ND	.74	.63	.50	T350D335K035AT
	4.7	3	1.3	5	5.5	8.9	2.54	399-3572-ND	.78	.68	.53	T350E475K035AT
35	6.8	2.5	1.9	5	6.0	9.9	2.54	399-3578-ND	.88	.76	.60	T350F685K035AT
	10	2	2.8	6	6.3	10.2	2.54	399-3579-ND	1.50	1.29	1.01	T350G106K035AT
	15	1.6	4.2	6	8.4	12.7	5.08	399-3589-ND	3.14	2.69	2.11	T350J156K035AT
	22	1.3	6.2	6	8.9	13.5	5.08	399-3595-ND	3.14	2.69	2.11	T350K226K035AT
	47	0.8	10.0	6	10.2	17.0	5.08	399-3600-ND	8.18	7.02	5.50	T350M476K035AT
	10	26	0.5	3	4.5	7.1	2.54	399-3527-ND	.53	.45	.36	T350A104K050AT
	15	21	0.5	3	4.5	7.1	2.54	399-3531-ND	.53	.45	.36	T350A154K050AT
	22	17	0.5	3	4.5	7.1	2.54	399-3535-ND	.53	.45	.36	T350A224K050AT
	33	15	0.5	3	4.5	7.1	2.54	399-3539-ND	.53	.45	.36	T350A334K050AT
	47	13	0.5	3	4.5	7.6	2.54	399-3552-ND	.59	.51	.40	T350B474K050AT
	68	10	0.5	3	4.5	7.6	2.54	399-3554-ND	.59	.51	.40	T350B684K050AT
	1.0	8	0.5	3	4.5	7.6	2.54	399-3547-ND	.59	.51	.40	T350B105K050AT
	1.5	5	0.6	5	5.5	8.9	2.54	399-3566-ND	.88	.76	.60	T350E155K050AT
	2.2	3.5	0.9	5	5.5	8.9	2.54	399-3569-ND	.93	.80	.63	T350E225K050AT
50	3.3	3	1.3	5	6.0	9.9	2.54	399-3575-ND	1.03	.89	.70	T350F335K050AT
	4.7	2.5	1.9	5	6.3	10.2	2.54	399-3581-ND	1.29	1.11	.87	T350G475K050AT
	6.8	2	2.7	5	8.4	12.7	5.08	399-3593-ND	3.02	2.60	2.04	T350J685K050AT
	10	1.6	4.0	6	8.9	13.5	5.08	399-3594-ND	5.32	4.56	3.58	T350K106K050AT
T356 Series												
	6.8	8	0.5	5	4.5	8.6	5.08	399-1303-ND	.48	.42	.33	T356A685K006AS
	15	5	0.7	6	5.0	9.6	5.08	399-1305-ND	.66	.57	.45	T356C156K006AS
	22	3.7	1.1	6	5.0	9.9	5.08	399-1306-ND	.78	.68	.53	T356D226K006AS
6.3	33	3	1.6	6	5.5	10.2	5.08	399-1307-ND	.83	.72	.56	T356E336K006AS
	68	1.8	3.3	6	6.3	11.4	5.08	399-1309-ND	1.10	.95	.75	T356G686K006AS
	150	0.9	7.2	8	8.4	14.0	5.08	399-1311-ND	3.33	2.86	2.24	T356J157K006AS
	3.3	10	0.5	5	4.5	8.6	5.08	399-1313-ND	.48	.42	.33	T356A335K010AS
	6.8	6	0.5	5	4.5	8.9	5.08	399-1315-ND	.66	.57	.45	T356B685K010AS
10	15	3.7	1.2	6	5.5	10.2	5.08	399-1317-ND	.78	.68	.53	T356E156K010AS
	100	1	8.0	8	8.4	14.0	5.08	399-1322-ND	3.33	2.86	2.24	T356J107K010AS
	1.5	10	0.5	5	4.5	8.6	5.08	399-1323-ND	.48	.42	.33	T356A155K016AS
	3.3	6	0.5	5	4.5	8.6	5.08	399-1325-ND	.48	.42	.33	T356A335K016AS
16	6.8	4	0.9	5	5.0	9.6	5.08	399-1327-ND	.69	.59	.47	T356C685K016AS
	68	1	8.2	6	8.9	15.5	5.08	399-1333-ND	3.33	2.86	2.24	T356K686K016AS
25	4.7	4	0.9	5	5.0	9.6	5.08	399-1341-ND	.71	.61	.48	T356C475K025AS
	6.8	3.1	1.4	5	5.5	10.2	5.08	399-1342-ND	.93	.80	.63	T356E685K025AS
	33	15	0.5	3	4.5	8.6	5.08	399-1351-ND	.48	.42	.33	T356A334K035AS
35	68	10	0.5	3	4.5	8.6	5.08	399-1353-ND	.48	.42	.33	T356A684K035AS
	3.3	4	0.9	5	5.0	9.9	5.08	399-1357-ND	.74	.63	.50	T356D335K035AS
	15	21	0.5	3	4.5	8.6	5.08	399-1365-ND	.53	.45	.36	T356A154K050AS
	22	17	0.5	3	4.5	8.6	5.08	399-1366-ND	.53	.45	.36	T356A224K050AS
50	68	10	0.5	3	4.5	8.9	5.08	399-1369-ND	.59	.51	.40	T356B684K050AS
	1.5	5	0.6	5	5.5	10.2	5.08	399-1371-ND	.88	.76	.60	T356E155K050AS
T356 Series — RoHS Compliant												
	4.7	10	0.5	5	4.5	8.6	5.08	399-3618-ND	.39	.34	.27	T356A475K006AT
	6.8	8	0.5	5	4.5	8.6	5.08	399-3621-ND	.48	.42	.33	T356A685K006AT
	10	6	0.5	6	4.5	8.9	5.08	399-3623-ND	.59	.51	.40	T356B106K006AT
	15	5	0.7	6	5.0	9.6	5.08	399-3632-ND	.66	.57	.45	T356C156K006AT
6.3	22	3.7	1.1	6	5.0	9.9	5.08	399-3636-ND	.78	.68	.53	T356D226K006AT
	33	3	1.6	6	5.5	10.2	5.08	399-3646-ND	.83	.72	.56	T356E336K006AT
	47	2	2.3	6	6.0	11.2	5.08	399-3652-ND	.93	.80	.63	T356F476K006AT
	68	1.8	3.3	6	6.3	11.4	5.08	399-3657-ND	1.10	.95	.75	T356G686K006AT
	100	1.6	4.8	8	7.6	11.9	5.08	399-3658-ND	2.60	2.23	1.75	T356H107K006AT
	150	0.9	7.2	8	8.4	14.0	5.08	399-3665-ND	3.33	2.86	2.24	T356J157K006AT
	2.2	13	0.5	5	4.5	8.6	5.08	399-3611-ND	.48	.42	.33	T356A225K010AT
	3.3	10	0.5	5	4.5	8.6	5.08	399-3615-ND	.48	.42	.33	T356A335K010AT
10	4.7	8	0.5	5	4.5	8.6	5.08	399-3619-ND	.48	.42	.33	T356A475K010AT
	6.8	6	0.5	5	4.5	8.9	5.08	399-3630-ND	.66	.57	.45	T356B685K010AT

F

KEMET Surface Mount Tantalum Chip Capacitors

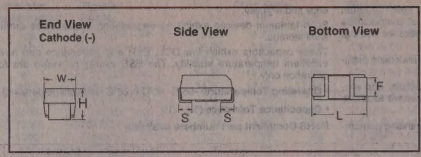
KEMET's family of solid tantalum chip capacitors are designed and manufactured with the requirements of surface mount technology in mind. These devices extend the advantages of solid tantalum technology to today's surface mount circuit applications.

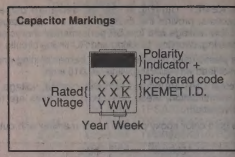
Operating Temperature Range: -55°C ~ 125°C (T520 Series: -55°C ~ 105°C, T498 Series: 150°C)

T491 Series — Industrial: The leading choice in surface mount designs. This product meets or exceeds the requirements of EIA standard 535BAAC. The physical outline and dimensions of this series conform to this global standard. This product was designed specifically for highly automated surface mount processes and equipment.

T494 Series — Low ESR, Industrial Grade: The T494 is a low ESR series that is available in all the same case sizes and CV ratings as the T491 Series. The T494 offers low ESR performance with the economy of an industrial grade device. This series is targeted for output filtering.

T495 Series — Low ESR, Surge Robust: Designed primarily for output filtering in switch-mode power supplies and DC-to-DC converters. The standard CV T495 values are an excellent choice for battery-to-ground input filter applications. This series offers several important advantages: Very low ESR, high ripple current capability, excellent capacitance stability and improved ability to withstand high inrush currents.





Size Code	EIA Code	L	W	H	F ±0.1	S ±0.3
A	3216-18	3.2±0.2	1.6±0.2	1.6±0.2	1.2	0.8
B	3528-21	3.5±0.2	2.8±0.2	1.9±0.2	2.2	0.8
C	6032-28	6.0±0.3	3.2±0.3	2.5±0.3	2.2	1.3
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	2.4	1.3
E	7260-38	7.3±0.3	6.0±0.3	3.6±0.2	4.1	1.3
R	2012-12	2.0±0.2	1.3±0.2	1.2 Max.	0.9	0.5
T	3528-12	3.5±0.2	2.8±0.2	1.2 Max.	2.2	0.8
V	7343-20	7.3±0.3	4.3±0.3	2.0 Max.	2.4	1.3
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.4	1.3

WV (DC)	Cap. (µF)	Cap. Tol. (%)	DC Leakage µA @ 25°C Max.	DF % @ 25°C 120Hz Max.	ESR Ω @ 25°C 100KHz Max.	Size Code	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Tape and Reel Pricing	Kemet Part No.
T491 Series — Industrial														
	68	±10	2.7	6	0.8	D	399-1549-1-ND	.65	.57	.50	399-1549-2-ND	500	153.06	T491D686K004AS
	100	±20	4	8	1.0	B	399-3000-1-ND	.93	.81	.71	—	—	—	T491B107M004AS
4	100	±20	4	30	5.0	T	399-3337-1-ND	1.60	1.39	1.22	399-3337-2-ND	2,500	542.00/M	T491T107M004AT
	100	±20	4	8	0.8	D	399-1550-1-ND	.65	.57	.50	—	—	—	T491D107M004AS
	150	±20	6	12	2.0	B	399-3340-1-ND	.93	.81	.71	—	—	—	T491B157M004AS
	330	±10	13.2	10	1.2	C	399-3304-1-ND	2.00	1.74	1.52	—	—	—	T491C337K004AS
	6.8	±10	0.5	8	15	R	399-3230-1-ND	1.16	1.01	.89	399-3230-2-ND	2,500	394.40/M	T491R685K006AS
6.3	10	±20	0.6	6	4.0	A	399-1552-1-ND	.20	.18	.16	399-1552-2-ND	2,000	68.00/M	T491A106M006AS
	68	±20	4.1	8	1.0	B	399-3001-1-ND	.93	.81	.71	—	—	—	T491B686M006AS
	3.3	±10	0.5	6	6.0	A	399-1560-1-ND	.19	.17	.15	399-1560-2-ND	2,000	64.94/M	T491A335K010AS
	3.3	±10	0.3	8	15	R	399-3305-1-ND	1.16	1.01	.89	—	—	—	T491R335K010AS
10	4.7	±20	0.5	6	6.0	A	399-1562-1-ND	.19	.17	.15	—	—	—	T491A475M010AS
	6.8	±10	0.7	6	3.5	B	399-1567-1-ND	.28	.25	.22	—	—	—	T491B685K010AS
	470	±20	47	12	0.5	E	399-3095-1-ND	9.50	8.27	7.22	399-3095-2-ND	500	1729.00	T491E477M010AS
	1.0	±20	0.5	4	10.0	A	399-1584-1-ND	.19	.17	.15	399-1584-2-ND	2,000	64.94/M	T491A105M016AS
	4.7	±20	0.8	6	6.0	A	399-1588-1-ND	.20	.18	.16	399-1588-2-ND	2,000	68.00/M	T491A475M016AS
16	10	±20	1.6	6	1.8	C	399-1596-1-ND	.39	.35	.30	399-1596-2-ND	500	71.50	T491C106M016AS
	22	±20	3.6	6	1.6	C	399-1598-1-ND	.43	.38	.33	399-1598-2-ND	500	77.53	T491C226M016AS
	100	±10	16	8	0.7	D	399-1604-1-ND	1.00	.88	.77	399-1604-2-ND	500	182.18	T491D107K016AS
	150	±10	24	8	0.5	X	399-1608-1-ND	2.22	1.93	1.69	399-1608-2-ND	500	403.40	T491X157K016AS
	6.8	±10	1.4	6	1.9	C	399-1613-1-ND	.39	.35	.30	—	—	—	T491C685K020AS
20	47	±10	9.4	6	0.7	D	399-1619-1-ND	.78	.68	.60	399-1619-2-ND	500	142.14	T491D476K020AS
	68	±10	13.6	8	0.7	D	399-1620-1-ND	1.39	1.21	1.06	399-1620-2-ND	500	252.25	T491D686K020AS
	1.0	±10	0.5	4	8.0	A	399-1624-1-ND	.20	.18	.16	399-1624-2-ND	2,000	68.00/M	T491A105K025AS
25	4.7	±10	1.2	6	2.4	C	399-1629-1-ND	.39	.35	.30	—	—	—	T491C475K025AS
	4.7	±20	1.2	6	2.4	C	399-1630-1-ND	.39	.35	.30	—	—	—	T491C475M025AS
	6.8	±20	1.7	6	1.9	C	399-1632-1-ND	.39	.35	.30	—	—	—	T491C685M025AS
	.10	±10	0.5	4	10.0	A	399-1643-1-ND	.19	.17	.15	—	—	—	T491A104K035AS
35	3.3	±20	1.2	6	3.5	B	399-3101-1-ND	.53	.47	.41	—	—	—	T491B335M035AS
	15	±10	5.3	6	0.9	X	399-3232-1-ND	1.82	1.58	1.38	399-3232-2-ND	500	330.33	T491X156K035AS
50	3.3	±20	1.7	6	2.0	D	399-1663-1-ND	.80	.70	.61	—	—	—	T491D335M050AS
T491 Series — Industrial — RoHS Compliant														
2.5	220	±10	5.5	8	0.3	D	399-4771-1-ND ***NEW!***	4.34	4.20	3.67	399-4771-2-ND ***NEW!***	500	878.00	T491D227K2R5AT
	68	±10	2.8	30	4.0	A	399-3701-1-ND	.50	.44	.38	399-3701-2-ND	2,000	170.00/M	T491A686K004AT
	68	±10	2.7	6	0.8	D	399-3801-1-ND	.65	.57	.50	399-3801-2-ND	500	118.00	T491D686K004AT
	100	±20	4	30	4.0	A	399-3688-1-ND	.48	.42	.37	399-3688-2-ND	2,000	162.00/M	T491A107M004AT
4	100	±20	4	8	1.0	B	399-3709-1-ND	.93	.81	.71	399-3709-2-ND	2,000	315.00/M	T491B107M004AT
	100	±20	4	8	0.8	D	399-3771-1-ND	.65	.57	.50	399-3771-2-ND	500	118.00	T491D107M004AT
	150	±20	6	12	2.0	B	399-3713-1-ND	.93	.81	.71	399-3713-2-ND	2,000	315.00/M	T491B157M004AT
	220	±20	8.8	18	0.5	B	399-4625-1-ND ***NEW!***	.93	.81	.71	399-4625-2-ND ***NEW!***	2,000	315.00/M	T491B227M004AT
	330	±10	13.2	10	1.2	C	399-3751-1-ND	2.00	1.74	1.52	399-3751-2-ND	500	364.00	T491C337K004AT
	10	±10	0.6	6	4.0	A	399-3683-1-ND	.20	.18	.16	399-3683-2-ND	2,000	68.00/M	T491A106K006AT
	10	±20	0.6	6	4.0	A	399-3685-1-ND	.20	.18	.16	399-3685-2-ND	2,000	68.00/M	T491A106M006AT
	10	±10	0.6	6	3.5	B	399-3704-1-ND	.28	.25	.22	399-3704-2-ND	2,000	96.00/M	T491B106K006AT
	22	±10	1.4	6	3.5	B	399-3716-1-ND	.30	.26	.23	399-3716-2-ND	2,000	100.00/M	T491B226K006AT
	22	±10	1.4	6	1.8	C	399-3742-1-ND	.39	.35	.30	399-3742-2-ND	500	71.50	T491C226K006AT
	47	±20	3	12	3.5	A	399-3700-1-ND	.48	.42	.37	399-3700-2-ND	2,000	162.00/M	T491A476M006AT
	47	±10	2.9	6	1.6	C	399-3756-1-ND	.43	.38	.33	399-3756-2-ND	500	77.50	T491C476K006AT
	68	±20	4.1	8	1.0	B	399-3729-1-ND	.93	.81	.71	399-3729-2-ND	2,000	315.00/M	T491B686M006AT
6.3	68	±10	4.1	6	1.2	C	399-3764-1-ND	.52	.46	.40	399-3764-2-ND	500	94.50	T491C686K006AT
	68	±10	4.1	6	0.8	D	399-3802-1-ND	.65	.57	.50	399-3802-2-ND	500	118.00	T491D686K006AT
	68	±10	5.0	30	4.0	A	399-4698-1-ND ***NEW!***	.48	.42	.37	399-4698-2-ND ***NEW!***	2,000	162.00/M	T491A686K006AT
	100	±20	6.3	15	3.0	B	399-3710-1-ND	.93	.81	.71	399-3710-2-ND	2,000	315.00/M	T491B107M006AT
	220	±20	13.2	10	1.2	C	399-3748-1-ND	1.95	1.70	1.49	399-3748-2-ND	500	355.00	T491C227M006AT
	470	±10	29.6	10	0.4	E	399-4626-1-ND ***NEW!***	9.00	8.70	7.60	399-4626-2-ND ***NEW!***	500	1820.00	T491E477K006AT
	470	±20	28.2	12	0.5	D	399-3798-1-ND	4.63	4.03	3.52	399-3798-2-ND	500	842.00	T491D477M006AT
	680	±20	40.8	12	0.5	E	399-3805-1-ND	9.50	8.27	7.22	399-3805-2-ND	500	1729.00	T491E687M006AT
	2.2	±10	0.5	6	8.0	A	399-3690-1-ND	.19	.17	.15	399-3690-2-ND	2,000	65.00/M	T491A225K010AT
	3.3	±10	0.5	6	6.0	A	399-3694-1-ND	.19	.17	.15	399-3694-2-ND	2,000	65.00/M	T491A335K010AT
	3.3	±10	0.3	8	15	R	399-3697-1-ND	1.16	1.01	.89	399-3697-2-ND	2,500	394.00/M	T491R335K010AT
	4.7	±10	0.5	6	6.0	A	399-3696-1-ND	.19	.17	.15	399-3696-2-ND	2,000	65.00/M	T491A475K010AT
	4.7	±20	0.5	6	6.0	A	399-3698-1-ND	.19	.17	.15	399-3698-2-ND	2,000	65.00/M	T491A475M010AT
10	4.7	±10	0.5	6	3.5	B	399-3721-1-ND	.28	.25	.22	399-3721-2-ND	2,000	96.00/M	T491B475K010AT
	4.7	±20	0.5	6	3.5	B	399-3724-1-ND	.28	.25	.22	399-3724-2-ND	2,000	96.00/M	T491B475M010AT
	6.8	±10	0.7	6	3.5	B	399-3727-1-ND	.28	.25	.22	399-3727-2-ND	2,000	96.00/M	T491B685K010AT
	10	±10	1	6	4.0	A	399-3684-1-ND	.22	.19	.17	399-3684-2-ND	2,000	74.00/M	T491A106K010AT
	10	±20	1	6	4.0	A	399-3686-1-ND	.22	.19	.17	399-3686-2-ND	2,000	74.00/M	T491A106M010AT
	10	±10	1	6	3.5	B	399-3705-1-ND	.28	.25	.22	399-3705-2-ND	2,000	96.00/M	T491B106K010AT
	10	±20	1	6	3.5	B	399-3707-1-ND	.28	.25	.22	399-3707-2-ND	2,000	96.00/M	T491B106M010AT

NOTE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. *(Continu*

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Cap. (µF)	Cap. Tol. (%)	DC Leakage µA @ 25°C Max.	DF % @ 25°C 120Hz Max.	ESR Ω @ 25°C 100KHz Max.	Size Code	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Tape and Reel Pricing	Kemet Part No.
15	±10	1.5	6	1.8	C	399-3737-1-ND	.39	.35	.30	399-3737-2-ND	500	71.50	T491C156K010AT
22	±20	2.2	10	6.0	A	399-3692-1-ND	.48	.42	.37	399-3692-2-ND	2,000	162.00/M	T491A226M010AT
22	±10	2.2	6	1.8	C	399-3743-1-ND	.39	.35	.30	399-3743-2-ND	500	71.50	T491C226K010AT
33	±10	3.3	6	0.8	D	399-3786-1-ND	.65	.57	.50	399-3786-2-ND	500	118.00	T491D336K010AT
47	±20	4.7	8	1.0	B	399-3726-1-ND	.93	.81	.71	399-3726-2-ND	2,000	315.00/M	T491B476M010AT
47	±10	4.7	6	1.2	C	399-3757-1-ND	.52	.46	.40	399-3757-2-ND	500	94.50	T491C476K010AT
47	±20	4.7	6	1.2	C	399-3758-1-ND	.52	.46	.40	399-3758-2-ND	500	94.50	T491C476M010AT
47	±10	4.7	6	0.8	D	399-3793-1-ND	.65	.57	.50	399-3793-2-ND	500	118.00	T491D476K010AT
47	±20	4.7	6	0.8	D	399-3796-1-ND	.65	.57	.50	399-3796-2-ND	500	118.00	T491D476M010AT
100	±10	10	8	0.7	D	399-3769-1-ND	.78	.68	.60	399-3769-2-ND	500	142.00	T491D107K010AT
100	±20	10	8	0.7	D	399-3772-1-ND	.78	.68	.60	399-3772-2-ND	500	142.00	T491D107M010AT
150	±10	15	10	1.2	C	399-3738-1-ND	2.00	1.74	1.52	399-3738-2-ND	500	364.00	T491C157K010AT
150	±20	15	8	0.7	D	399-3778-1-ND	1.00	.88	.77	399-3778-2-ND	500	182.00	T491D157M010AT
220	±10	22	8	0.5	X	399-3818-1-ND	2.22	1.93	1.69	399-3818-2-ND	500	403.50	T491X227K010AT
330	±10	33.0	10	0.5	E	399-4627-1-ND **NEW!**	9.00	8.70	7.60	399-4627-2-ND **NEW!**	500	1820.00	T491E337K010AT
330	±20	33	10	0.5	D	399-3790-1-ND	4.63	4.03	3.52	399-3790-2-ND	500	842.00	T491D337M010AT
470	±20	47	12	0.5	E	399-3804-1-ND	9.50	8.27	7.22	399-3804-2-ND	500	1729.00	T491E477M010AT
1.0	±10	0.5	4	10.0	A	399-3678-1-ND	.19	.17	.15	399-3678-2-ND	2,000	65.00/M	T491A105K016AT
1.0	±20	0.5	4	10.0	A	399-3681-1-ND	.19	.17	.15	399-3681-2-ND	2,000	65.00/M	T491A105M016AT
1.5	±10	0.5	6	8.0	A	399-3689-1-ND	.19	.17	.15	399-3689-2-ND	2,000	65.00/M	T491A155K016AT
2.2	±10	0.5	6	6.0	A	399-3691-1-ND	.19	.17	.15	399-3691-2-ND	2,000	65.00/M	T491A225K016AT
3.3	±10	0.5	6	3.5	B	399-3719-1-ND	.28	.25	.22	399-3719-2-ND	2,000	96.00/M	T491B335K016AT
4.7	±10	0.8	6	6.0	A	399-3697-1-ND	.20	.18	.16	399-3697-2-ND	2,000	68.00/M	T491A475K016AT
4.7	±20	0.8	6	6.0	A	399-3699-1-ND	.20	.18	.16	399-3699-2-ND	2,000	68.00/M	T491A475M016AT
4.7	±10	0.8	6	3.5	B	399-3722-1-ND	.28	.25	.22	399-3722-2-ND	2,000	96.00/M	T491B475K016AT
4.7	±20	0.8	6	3.5	B	399-3725-1-ND	.28	.25	.22	399-3725-2-ND	2,000	96.00/M	T491B475M016AT
6.8	±20	1.1	6	1.9	C	399-3761-1-ND	.39	.35	.30	399-3761-2-ND	500	71.50	T491C685M016AT
10	±20	1.6	10	7.0	A	399-3687-1-ND	.24	.21	.18	399-3687-2-ND	2,000	80.00/M	T491A106M016AT
10	±10	1.6	6	3.5	B	399-3706-1-ND	.30	.26	.23	399-3706-2-ND	2,000	100.00/M	T491B106K016AT
10	±20	1.6	6	3.5	B	399-3708-1-ND	.30	.26	.23	399-3708-2-ND	2,000	100.00/M	T491B106M016AT
10	±10	1.6	6	1.8	C	399-3732-1-ND	.39	.35	.30	399-3732-2-ND	500	71.50	T491C106K016AT
10	±20	1.6	6	1.8	C	399-3735-1-ND	.39	.35	.30	399-3735-2-ND	500	71.50	T491C106M016AT
22	±20	3.5	6	2.2	B	399-3717-1-ND	.53	.47	.41	399-3717-2-ND	2,000	182.00/M	T491B226M016AT
22	±10	3.6	6	1.6	C	399-3744-1-ND	.43	.38	.33	399-3744-2-ND	500	77.50	T491C226K016AT
22	±20	3.6	6	1.6	C	399-3747-1-ND	.43	.38	.33	399-3747-2-ND	500	77.50	T491C226M016AT
22	±10	3.6	6	0.8	D	399-3780-1-ND	.65	.57	.50	399-3780-2-ND	500	118.00	T491D226K016AT
33	±10	5.3	6	1.2	C	399-3750-1-ND	.52	.46	.40	399-3750-2-ND	500	94.50	T491C336K016AT
33	±10	5.3	6	0.8	D	399-3787-1-ND	.65	.57	.50	399-3787-2-ND	500	118.00	T491D336K016AT
33	±20	5.3	6	0.8	D	399-3789-1-ND	.65	.57	.50	399-3789-2-ND	500	118.00	T491D336M016AT
47	±10	7.5	6	0.8	D	399-3794-1-ND	.65	.57	.50	399-3794-2-ND	500	118.00	T491D476K016AT
100	±10	16	8	0.7	D	399-3770-1-ND	1.00	.88	.77	399-3770-2-ND	500	182.00	T491D107K016AT
100	±20	16	8	0.7	D	399-3773-1-ND	1.00	.88	.77	399-3773-2-ND	500	182.00	T491D107M016AT
100	±10	16	12	0.7	V	399-3809-1-ND	3.40	2.96	2.59	399-3809-2-ND	1,000	1156.00	T491V107K016AT
100	±10	16	8	0.7	X	399-3811-1-ND	1.82	1.58	1.38	399-3811-2-ND	500	330.50	T491X107K016AT
100	±20	16	8	0.7	X	399-3812-1-ND	1.82	1.58	1.38	399-3812-2-ND	500	330.50	T491X107M016AT
150	±10	24	12	0.7	D	399-3777-1-ND	1.39	1.21	1.06	399-3777-2-ND	500	252.50	T491D157K016AT
150	±10	24	8	0.5	X	399-3815-1-ND	2.22	1.93	1.69	399-3815-2-ND	500	403.50	T491X157K016AT
1.0	±10	0.5	4	10.0	A	399-3679-1-ND	.19	.17	.15	399-3679-2-ND	2,000	65.00/M	T491A105K020AT
1.0	±20	0.5	4	10.0	A	399-3682-1-ND	.19	.17	.15	399-3682-2-ND	2,000	65.00/M	T491A105M020AT
2.2	±10	0.5	6	3.5	B	399-3714-1-ND	.28	.25	.22	399-3714-2-ND	2,000	96.00/M	T491B225K020AT
4.7	±10	1	6	3.5	B	399-3723-1-ND	.28	.25	.22	399-3723-2-ND	2,000	96.00/M	T491B475K020AT
6.8	±10	1.4	6	1.9	C	399-3759-1-ND	.39	.35	.30	399-3759-2-ND	500	71.50	T491C685K020AT
6.8	±20	1.4	8	6.0	A	399-4628-1-ND **NEW!**	.21	.20	.18	399-4628-2-ND **NEW!**	2,000	80.00/M	T491A685M020AT
10	±10	2	6	1.8	C	399-3733-1-ND	.39	.35	.30	399-3733-2-ND	500	71.50	T491C106K020AT
22	±10	4.4	6	1.2	C	399-3745-1-ND	.52	.46	.40	399-3745-2-ND	500	94.50	T491C226K020AT
22	±10	4.4	6	0.8	D	399-3781-1-ND	.65	.57	.50	399-3781-2-ND	500	118.00	T491D226K020AT
22	±20	4.4	6	0.8	D	399-3783-1-ND	.65	.57	.50	399-3783-2-ND	500	118.00	T491D226M020AT
33	±10	6.6	6	0.8	D	399-3788-1-ND	.65	.57	.50	399-3788-2-ND	500	118.00	T491D336K020AT
47	±10	9.4	6	0.7	D	399-3795-1-ND	.78	.68	.60	399-3795-2-ND	500	142.00	T491D476K020AT
68	±10	13.6	8	0.7	D	399-3803-1-ND	1.39	1.21	1.06	399-3803-2-ND	500	252.50	T491D686K020AT
68	±10	13.6	6	0.7	X	399-3822-1-ND	1.82	1.58	1.38	399-3822-2-ND	500	330.50	T491X686K020AT
100	±10	20.0	8	0.5	E	399-4629-1-ND **NEW!**	9.00	8.70	7.60	399-4629-2-ND **NEW!**	500	1820.00	T491E107K020AT
100	±20	20	8	0.5	X	399-3813-1-ND	2.22	1.93	1.69	399-3813-2-ND	500	403.50	T491X107M020AT
150	±10	30.0	10	0.5	X	399-4794-1-ND **NEW!**	2.62	2.29	2.00	399-4794-2-ND **NEW!**	500	477.50	T491X157K020AT
47	±10	0.5	4	14.0	A	399-3695-1-ND	.19	.17	.15	399-3695-2-ND	2,000	65.00/M	T491A474K025AT
1.0	±10	0.5	4	8.0	A	399-3680-1-ND	.20	.18	.16	399-3680-2-ND	2,000	68.00/M	T491A105K025AT
1.5	±10	0.5	6	5.0	B	399-3711-1-ND	.28	.25	.22	399-3711-2-ND	2,000	96.00/M	T491B155K025AT
2.2	±10	0.6	6	4.5	B	399-3715-1-ND	.30	.26	.23	399-3715-2-ND	2,000	100.00/M	T491B225K025AT
2.2	±10	0.6	6	3.5	C	399-3739-1-ND	.39	.35	.30	399-3739-2-ND	500	71.50	T491C225K025AT
2.2	±20	0.6	6	3.5	C	399-3741-1-ND	.39	.35	.30	399-3741-2-ND	500	71.50	T491C225M025AT
4.7	±10	1.2	6	2.4	C	399-3753-1-ND	.39	.35	.30	399-3753-2-ND	500	71.50	T491C475K025AT
4.7	±20	1.2	6	2.4	C	399-3755-1-ND	.39	.35	.30	399-3755-2-ND	500	71.50	T491C475M025AT
4.7	±20	1.2	8	6.0	A	399-4630-1-ND **NEW!**	.24	.21	.18	399-4630-2-ND **NEW!**	2,000	80.00/M	T491A475M025AT
6.8	±10	1.7	8	3.0	B	399-3728-1-ND	.53	.47	.41	399-3728-2-ND	2,000	182.00/M	T491B685K025AT
6.8	±10	1.7	6	1.9	C	399-3760-1-ND	.39	.35	.30	399-3760-2-ND	500	71.50	T491C685K025AT
6.8	±20	1.7	6	1.9	C	399-3762-1-ND	.39	.35	.30	399-3762-2-ND	500	71.50	T491C685M025AT
10	±10	2.5	6	1.5	C	399-3734-1-ND	.43	.38	.33	399-3734-2-ND	500	77.50	T491C106K025AT
10	±20	2.5	6	1.5	C	399-3736-1-ND	.43	.38	.33	399-3736-2-ND	500	77.50	T491C106M025AT
10	±10	2.5	6	1.0	D	399-3765-1-ND	.65	.57	.50	399-3765-2-ND	500	118.00	T491D106K025AT
10	±20	2.5	6	1.0	D	399-3767-1-ND	.65	.57	.50	399-3767-2-ND	500	118.00	T491D106M025AT
15	±10	3.8	6	1.0	D	399-3774-1-ND	.65	.57	.50	399-3774-2-ND	500	118.00	T491D156K025AT
15	±20	3.8	6	1.0	D	399-3776-1-ND	.65	.57	.50	399-3776-2-ND	500	118.00	T491D156M025AT
22	±10	5.5	8	1.5	C	399-3746-1-ND	.68	.60	.53	399-3746-2-ND	500	124.50	T491C226K025AT
22	±10	5.5	6	0.8	D	399-3782-1-ND	.65	.57	.50	399-3782-2-ND	500	118.00	T491D226K025AT
22	±20	5.5	6	0.8	D	399-3784-1-ND	.65	.57	.50	399-3784-2-ND	500	118.00	T491D226M025AT
33	±10	8.3	6	0.7	X	399-3819-1-ND	1.82	1.58	1.38	399-3819-2-ND	500	330.50	T491X336K025AT
33	±20	8.3	6	0.7	X	399-3820-1-ND	1.82	1.58	1.38	399-3820-2-ND	500	330.50	T491X336M025AT
47	±20	11.8	10	0.7	D	399-3797-1-ND	1.39	1.21	1.06	399-3797-2-ND	500	252.50	T491D476M025AT
68	±20	17.0	8	0.7	X	399-3823-1-ND	2.22	1.93	1.69	399-3823-2-ND	500	403.50	T491X686M025AT
.10	±10	0.5	4	10.0	A	399-3676-1-ND	.19	.17	.15	399-3676-2-ND	2,000	65.00/M	T491A104K035AT
.10	±20	0.5	4	10.0	A	399-3677-1-ND	.19	.17	.15	399-3677-2-ND	2,000	65.00/M	T491A104M035AT
.33	±10	0.5	4	15.0	A	399-3693-1-ND	.19	.17	.15	399-3693-2-ND	2,000	65.00/M	T491A334K035AT
1.0	±10	0.5	4	5.0	B	399-3702-1-ND	.28	.25	.22	399-3702-2-ND	2,000	96.00/M	T491B105K035AT
1.0	±20	0.5	4	5.0	B	399-3703-1-ND	.28	.25	.22	399-3703-2-ND	2,000	96.00/M	T491B105M035AT
2.2	±10	0.8	6	3.5	C	399-3740-1-ND	.39	.35	.30	399-3740-2-ND	500	71.50	T491C225K035AT
3.3	±20	1.2	6	3.5	B	399-3720-1-ND	.53	.47	.41	399-3720-2-ND	2,000	182.00/M	T491B335M035AT

'E: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered.

(Continued)

WV (DC)	Cap. (µF)	Cap. Tol. (%)	DC Leakage µA @ 25°C Max.	DF % @ 25°C 120Hz Max.	ESR Ω @ 25°C 100KHz Max.	Size Code	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Tape and Reel Pricing	Kemet Part No.
35	3.3	±20	1.2	6	2.5	C	399-3749-1-ND	.39	.35	.30	399-3749-2-ND	500	71.50	T491C335M035AT
	4.7	±10	1.7	6	2.5	C	399-3754-1-ND	.43	.38	.33	399-3754-2-ND	500	77.50	T491C475K035AT
	4.7	±10	1.7	6	1.5	D	399-3791-1-ND	.65	.57	.50	399-3791-2-ND	500	118.00	T491D475K035AT
	6.8	±10	2.4	6	2.0	C	399-3763-1-ND	.52	.46	.40	399-3763-2-ND	500	94.50	T491C685M035AT
	6.8	±10	2.4	6	1.3	D	399-3799-1-ND	.65	.57	.50	399-3799-2-ND	500	118.00	T491D685K035AT
	10	±10	3.5	6	1.0	D	399-3766-1-ND	.65	.57	.50	399-3766-2-ND	500	118.00	T491D106K035AT
	10	±20	3.5	6	1.0	D	399-3768-1-ND	.65	.57	.50	399-3768-2-ND	500	118.00	T491D106M035AT
	15	±10	5.3	6	0.8	D	399-3775-1-ND	.78	.68	.60	399-3775-2-ND	500	142.00	T491D156K035AT
	15	±10	5.3	6	0.9	X	399-3814-1-ND	1.82	1.58	1.38	399-3814-2-ND	500	330.50	T491X156K035AT
	22	±10	7.7	6	0.7	X	399-3816-1-ND	1.82	1.58	1.38	399-3816-2-ND	500	330.50	T491X226K035AT
	22	±20	7.7	6	0.7	X	399-3817-1-ND	1.82	1.58	1.38	399-3817-2-ND	500	330.50	T491X226M035AT
	47	±10	16.5	8	0.6	X	399-3821-1-ND	2.62	2.29	2.00	399-3821-2-ND	500	477.50	T491X476K035AT
50	33	±20	0.5	4	10.0	B	399-3718-1-ND	.34	.30	.26	399-3718-2-ND	2,000	116.00/M	T491B334M050AT
	47	±10	0.5	4	8.0	C	399-3752-1-ND	.49	.43	.37	399-3752-2-ND	500	88.50	T491C474K050AT
	1.0	±10	0.5	4	5.5	C	399-3730-1-ND	.49	.43	.37	399-3730-2-ND	500	88.50	T491C105K050AT
	2.2	±10	1.1	6	2.5	D	399-3779-1-ND	.80	.70	.61	399-3779-2-ND	500	145.00	T491D225K050AT
	3.3	±20	1.7	6	2.0	D	399-3785-1-ND	.80	.70	.61	399-3785-2-ND	500	145.00	T491D335M050AT
	4.7	±10	2.4	6	1.5	D	399-3792-1-ND	.80	.70	.61	399-3792-2-ND	500	145.00	T491D475K050AT
	6.8	±20	3.4	6	1.0	D	399-3800-1-ND	.96	.84	.74	399-3800-2-ND	500	175.00	T491D685M050AT
T494 Series — Low ESR, Industrial Grade														
4	68	±10	2.8	30	3.0	A	399-3343-1-ND	.85	.74	.65	—	—	—	T494A686K004AS
	100	±20	4	8	1.0	B	399-3004-1-ND	1.39	1.21	1.06	399-3004-2-ND	2,000	472.60/M	T494B107M004AS
	100	±20	4	30	4.5	T	399-3342-1-ND	1.99	1.73	1.52	399-3342-2-ND	2,500	676.00/M	T494T107M004AT
	150	±20	6	12	1.0	B	399-3345-1-ND	1.39	1.21	1.06	—	—	—	T494B157M004AS
	330	±10	13.2	10	0.9	C	399-3310-1-ND	2.60	2.27	1.98	399-3310-2-ND	500	473.20	T494C337K004AS
6.3	6.8	±10	0.5	8	10	R	399-3233-1-ND	1.45	1.27	1.11	399-3233-2-ND	2,500	493.00/M	T494R685K006AS
	68	±20	4.1	8	1.0	B	399-3005-1-ND	1.39	1.21	1.06	—	—	—	T494B686M006AS
	100	±20	6.3	15	1.5	B	399-3196-1-ND	1.39	1.21	1.06	399-3196-2-ND	2,000	472.60/M	T494B107M006AS
	470	±20	28.2	12	0.5	D	399-3006-1-ND	8.20	7.14	6.24	399-3006-2-ND	500	1492.40	T494D477M006AS
10	330	±20	33	10	0.15	D	399-3104-1-ND	8.20	7.14	6.24	—	—	—	T494D337M010AS
	330	±10	33	10	0.10	X	399-1778-1-ND	10.08	8.77	7.66	—	—	—	T494X337K010AS
16	22	±20	3.6	6	0.35	C	399-1781-1-ND	1.28	1.12	.98	399-1781-2-ND	500	233.05	T494C226M016AS
	22	±10	3.6	6	0.25	D	399-1782-1-ND	2.18	1.90	1.66	—	—	—	T494D226K016AS
	150	±10	24	12	0.4	D	399-3370-1-ND	7.15	6.23	5.44	—	—	—	T494D157K016AS
	150	±10	24	8	0.15	X	399-1783-1-ND	8.78	7.64	6.67	399-1783-2-ND	500	1597.05	T494X157K016AS
20	1.0	±20	0.2	6	15.0	R	399-3213-1-ND	1.39	1.21	1.06	—	—	—	T494R105M020AS
25	6.8	±10	1.7	8	2.0	B	399-3368-1-ND	1.35	1.18	1.03	399-3368-2-ND	2,000	459.00/M	T494B685K025AS
	47	±20	11.8	10	0.2	D	399-3214-1-ND	6.83	5.94	5.19	399-3214-2-ND	500	1242.00	T494D476M025AS
	68	±20	17.0	8	0.3	X	399-3215-1-ND	8.32	7.24	6.33	399-3215-2-ND	500	1514.24	T494X686M025AS
35	4.7	±10	1.7	6	0.7	D	399-1788-1-ND	2.18	1.90	1.66	—	—	—	T494D475K035AS
	22	±10	7.7	6	0.30	X	399-1790-1-ND	7.15	6.23	5.44	—	—	—	T494X226K035AS
50	6.8	±20	3.4	6	0.7	D	399-3108-1-ND	3.25	2.83	2.47	—	—	—	T494D685M050AS
T494 Series — Low ESR, Industrial Grade — RoHS Compliant														
2.5	220	±10	5.5	8	0.2	D	399-4772-1-ND ***NEW!***	7.82	7.56	6.61	399-4772-2-ND ***NEW!***	500	1580.50	T494D227K2R5AT
4	68	±10	2.8	30	3.0	A	399-3829-1-ND	.85	.74	.65	399-3829-2-ND	2,000	289.00/M	T494A686K004AT
	100	±20	4	30	3.0	A	399-3825-1-ND	.83	.72	.63	399-3825-2-ND	2,000	281.00/M	T494A107M004AT
	100	±20	4	8	1.0	B	399-3832-1-ND	1.39	1.21	1.06	399-3832-2-ND	2,000	473.00/M	T494B107M004AT
	150	±20	6	12	1.0	B	399-3834-1-ND	1.39	1.21	1.06	399-3834-2-ND	2,000	473.00/M	T494B157M004AT
	220	±20	8.8	8	0.40	B	399-4631-1-ND ***NEW!***	1.25	1.21	1.06	399-4631-2-ND ***NEW!***	2,000	473.00/M	T494B227M004AT
	330	±10	13.2	10	0.9	C	399-3849-1-ND	2.60	2.27	1.98	399-3849-2-ND	500	473.00	T494C337K004AT
6.3	47	±20	3	12	2.5	A	399-3828-1-ND	.83	.72	.63	399-3828-2-ND	2,000	281.00/M	T494A476M006AT
	68	±20	4.1	8	1.0	B	399-3841-1-ND	1.39	1.21	1.06	399-3841-2-ND	2,000	473.00/M	T494B686M006AT
	68	±10	5.0	30	3.00	A	399-4699-1-ND ***NEW!***	.83	.72	.63	399-4699-2-ND ***NEW!***	2,000	281.00/M	T494A686K006AT
	100	±20	6.3	15	1.5	B	399-3833-1-ND	1.39	1.21	1.06	399-3833-2-ND	2,000	473.00/M	T494B107M006AT
	220	±20	13.2	10	0.3	C	399-3848-1-ND	2.54	2.21	1.93	399-3848-2-ND	500	461.50	T494C227M006AT
	470	±10	29.6	10	0.20	E	399-4632-1-ND ***NEW!***	12.83	12.40	10.83	399-4632-2-ND ***NEW!***	500	2593.50	T494E477K006AT
	470	±20	28.2	12	0.5	D	399-3861-1-ND	8.20	7.14	6.24	399-3861-2-ND	500	1492.50	T494D477M006AT
10	2.2	±10	0.5	6	6.0	A	399-3826-1-ND	.60	.53	.46	399-3826-2-ND	2,000	204.00/M	T494A225K010AT
	3.3	±10	0.3	8	10	R	399-3864-1-ND	1.45	1.27	1.11	399-3864-2-ND	2,500	493.00/M	T494R335K010AT
	4.7	±10	0.5	6	1.5	B	399-3838-1-ND	.83	.72	.63	399-3838-2-ND	2,000	281.00/M	T494B475K010AT
	10	±20	1	6	0.8	B	399-3831-1-ND	.80	.70	.61	399-3831-2-ND	2,000	272.00/M	T494B106M010AT
	22	±20	2.2	10	4.5	A	399-3827-1-ND	.83	.72	.63	399-3827-2-ND	2,000	281.00/M	T494A226M010AT
	33	±10	3.3	6	2.00	B	399-3837-1-ND	1.35	1.18	1.03	399-3837-2-ND	2,000	459.00/M	T494B336K010AT
	47	±20	4.7	8	1.0	B	399-3839-1-ND	1.39	1.21	1.06	399-3839-2-ND	2,000	473.00/M	T494B476M010AT
	47	±10	4.7	6	0.30	C	399-3850-1-ND	1.63	1.42	1.24	399-3850-2-ND	500	296.00	T494C476K010AT
	100	±10	10	8	0.15	D	399-3853-1-ND	2.60	2.27	1.98	399-3853-2-ND	500	473.00	T494D107K010AT
	150	±10	15	10	0.9	C	399-3844-1-ND	2.60	2.27	1.98	399-3844-2-ND	500	473.00	T494C157K010AT
	330	±20	33	10	0.15	D	399-3857-1-ND	8.20	7.14	6.24	399-3857-2-ND	500	1492.50	T494D337M010AT
	330	±10	33	10	0.10	X	399-3872-1-ND	10.08	8.77	7.66	399-3872-2-ND	500	1833.50	T494X337K010AT
	330	±10	33.0	10	0.25	E	399-4633-1-ND ***NEW!***	12.83	12.40	10.83	399-4633-2-ND ***NEW!***	500	2593.50	T494E337K010AT
16	10	±20	1.6	10	3.0	A	399-3824-1-ND	.78	.68	.59	399-3824-2-ND	2,000	264.00/M	T494A106M016AT
	10	±10	1.6	6	0.8	B	399-3830-1-ND	.90	.79	.69	399-3830-2-ND	2,000	306.00/M	T494B106K016AT
	22	±20	3.5	6	0.8	B	399-3835-1-ND	1.30	1.14	.99	399-3835-2-ND	2,000	442.00/M	T494B226M016AT
	22	±10	3.6	6	0.35	C	399-3845-1-ND	1.43	1.25	1.09	399-3845-2-ND	500	260.50	T494C226K016AT
	22	±20	3.6	6	0.35	C	399-3847-1-ND	1.28	1.12	.98	399-3847-2-ND	500	233.00	T494C226M016AT
	22	±10	3.6	6	0.25	D	399-3856-1-ND	2.18	1.90	1.66	399-3856-2-ND	500	396.50	T494D226K016AT
	100	±10	16	12	0.5	V	399-3866-1-ND	4.42	3.85	3.36	399-3866-2-ND	1,000	1503.00	T494V107K016AT
	150	±10	24	12	0.4	D	399-3854-1-ND	7.15	6.23	5.44	399-3854-2-ND	500	1301.50	T494D157K016AT
	150	±10	24	8	0.15	X	399-3870-1-ND	8.78	7.64	6.67	399-3870-2-ND	500	1597.00	T494X157K016AT
20	6.8	±20	1.4	8	3.0	A	399-4634-1-ND ***NEW!***	.70	.68	.59	399-4634-2-ND ***NEW!***	2,000	264.00/M	T494A685M020AT
	100	±10	20.0	8	0.30	E	399-4635-1-ND ***NEW!***	12.83	12.40	10.83	399-4635-2-ND ***NEW!***	500	2593.50	T494E107K020AT
	100	±20	20	8	0.15	X	399-3868-1-ND	8.32	7.24	6.33	399-3868-2-ND	500	1514.00	T494X107M020AT
	150	±10	30.0	10	0.30	X	399-4795-1-ND ***NEW!***	10.08	8.77	7.66	399-4795-2-ND ***NEW!***	500	1833.50	T494X157K020AT
25	4.7	±20	1.2	8	3.0	A	399-4636-1-ND ***NEW!***	.70	.68	.59	399-4636-2-ND ***NEW!***	2,000	264.00/M	T494A475M025AT
	6.8	±10	1.7	8	2.0	B	399-3840-1-ND	1.35	1.18	1.03	399-3840-2-ND	2,000	459.00/M	T494B685K025AT
	10	±10	2.5	6	0.6	C	399-3842-1-ND	1.43	1.25	1.09	399-3842-2-ND	500	260.50	T494C106K025AT
	10	±20	2.5	6	0.6	C	399-3843-1-ND	1.28	1.12	.98	399-3843-2-ND	500	233.00	T494C106M025AT
	10	±10	2.5	6	0.4	D	399-3851-1-ND	2.18	1.90	1.66	399-3851-2-ND	500	396.50	T494D106K025AT
	22	±10	5.5	8	1.0	C	399-3846-1-ND	1.69	1.47	1.29	399-3846-2-ND	500	307.50	T494C226K025AT
	47	±20	11.8	10	0.2	D	399-3860-1-ND	6.83	5.94	5.19	399-3860-2-ND	500	1242.00	T494D476M025AT
	68	±20	17.0	8	0.3	X	399-3874-1-ND	8.32	7.24	6.33	399-3874-2-ND	500	1514.00	T494X686M025AT
35	3.3	±20	1.2	6	1.3	B	399-3836-1-ND	1.30	1.14	.99	399-3836-2-ND	2,000	442.00/M	T494B335M035AT
	4.7	±10	1.7	6	0.7	D	399-3858-1-ND	2.18	1.90	1.66	399-3858-2-ND	500	396.50	T494D475K035AT
	10	±20	3.5	6	0.4	D	399-3852-1-ND	2.11	1.84	1.61	399-3852-2-ND	500	384.50	T494D106M035AT

NOTE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. *(Continu*

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Cap. (µF)	Cap. Tol. (%)	DC Leakage µA @ 25°C Max.	DF % @ 25°C 120Hz Max.	ESR Ω @ 25°C 100KHz Max.	Size Code	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
22	±10	7.7	6	0.30	X	399-3871-1-ND	7.15	6.23	5.44	399-3871-2-ND	500	1301.50	T494X226K035AT
47	±10	16.5	8	0.5	X	399-3873-1-ND	10.08	8.77	7.66	399-3873-2-ND	500	1833.50	T494X476K035AT
2.2	±10	1.1	6	0.8	D	399-3855-1-ND	2.86	2.49	2.18	399-3855-2-ND	500	520.50	T494D225K050AT
4.7	±10	2.4	6	0.6	D	399-3859-1-ND	2.86	2.49	2.18	399-3859-2-ND	500	520.50	T494D475K050AT
6.8	±20	3.4	6	0.7	D	399-3862-1-ND	3.25	2.83	2.47	399-3862-2-ND	500	591.50	T494D685M050AT
15	±10	7.5	8	0.4	X	399-3869-1-ND	9.75	8.49	7.41	399-3869-2-ND	500	1774.50	T494X156K050AT
						T495 Series — Low ESR, Surge Robust							
150	±20	6	12	0.9	B	399-3347-1-ND	1.90	1.66	1.45	399-3347-2-ND	2,000	646.00/M	T495B157M004ASE900
330	±10	13.2	12	0.7	C	399-3307-1-ND	2.30	2.01	1.75	—	—	—	T495C337K004ASE700
220	±10	13.9	10	0.225	C	399-3236-1-ND	2.30	2.01	1.75	—	—	—	T495C227K006ASE225
150	±20	15	8	0.15	V	399-3110-1-ND	3.85	3.35	2.93	399-3110-2-ND	1,000	1309.00	T495V157M010ASE150
220	±20	22	12	0.15	V	399-3373-1-ND	3.95	3.44	3.01	399-3373-2-ND	1,000	1343.00	T495V227M010ASE150
47	±10	7.5	4	0.15	X	399-1798-1-ND	2.50	2.18	1.90	399-1798-2-ND	500	455.00	T495X476K020ASE150
33	±10	6.6	4	0.175	X	399-1800-1-ND	2.63	2.29	2.00	399-1800-2-ND	500	400.40	T495X336K025ASE175
6.8	±10	3.4	6	0.3	D	399-3237-1-ND	1.40	1.22	1.07	—	—	—	T495D685K050ASE300
						T495 Series — Low ESR, Surge Robust — RoHS Compliant							
220	±10	5.5	8	0.045	D	399-4773-1-ND ***NEW!***	3.60	3.48	3.04	399-4773-2-ND ***NEW!***	500	728.00	T495D227K2R5ATE045
1000	±10	25.0	15	0.040	X	399-4796-1-ND ***NEW!***	12.75	11.10	9.69	399-4796-2-ND ***NEW!***	500	2320.50	T495X108K2R5ATE040
150	±10	6.0	8	0.25	C	399-4637-1-ND ***NEW!***	2.07	2.01	1.75	399-4637-2-ND ***NEW!***	500	418.50	T495C157K004ATE250
150	±20	6	12	0.9	B	399-3876-1-ND	1.90	1.66	1.45	399-3876-2-ND	2,000	646.00/M	T495B157M004ATE900
330	±10	13.2	12	0.7	C	399-3878-1-ND	2.30	2.01	1.75	399-3878-2-ND	500	418.50	T495C337K004ATE700
330	±10	13.2	8	0.030	D	399-4798-1-ND ***NEW!***	4.90	4.27	3.73	399-4798-2-ND ***NEW!***	500	882.00	T495D337K004ATE030
330	±10	13.2	8	0.045	D	399-4797-1-ND ***NEW!***	4.55	3.96	3.46	399-4797-2-ND ***NEW!***	500	828.00	T495D337K004ATE045
470	±10	18.8	8	0.030	X	399-4776-1-ND ***NEW!***	11.93	11.53	10.07	399-4776-2-ND ***NEW!***	500	2411.50	T495X477K004ATE030
470	±10	18.8	8	0.045	X	399-4775-1-ND ***NEW!***	11.48	11.10	9.69	399-4775-2-ND ***NEW!***	500	2320.50	T495X477K004ATE045
470	±10	18.8	8	0.10	X	399-4774-1-ND ***NEW!***	11.03	10.66	9.31	399-4774-2-ND ***NEW!***	500	2229.50	T495X477K004ATE100
1000	±10	40.0	15	0.050	E	399-4799-1-ND ***NEW!***	14.50	12.62	11.02	399-4799-2-ND ***NEW!***	500	2639.00	T495E108K004ATE050
47	±10	2.9	6	0.25	C	399-4638-1-ND ***NEW!***	1.82	1.77	1.54	399-4638-2-ND ***NEW!***	500	368.50	T495C476K006ATE250
100	±20	6.3	15	0.70	B	399-3875-1-ND	1.90	1.66	1.45	399-3875-2-ND	2,000	646.00/M	T495B107M006ATE700
100	±10	6.0	8	0.09	V	399-4700-1-ND ***NEW!***	4.20	3.66	3.20	399-4700-2-ND ***NEW!***	1,000	1429.00	T495V107K006ATE090
220	±10	13.9	10	0.225	C	399-3877-1-ND	2.30	2.01	1.75	399-3877-2-ND	500	418.50	T495C227K006ATE225
330	±10	20.8	8	0.10	D	399-3883-1-ND	2.40	2.09	1.83	399-3883-2-ND	500	437.00	T495D337K006ATE100
330	±10	19.8	8	0.10	X	399-3902-1-ND	2.50	2.18	1.90	399-3902-2-ND	500	455.00	T495X337K006ATE100
330	±10	19.8	8	0.045	X	399-4777-1-ND ***NEW!***	3.15	3.05	2.66	399-4777-2-ND ***NEW!***	500	637.00	T495X337K006ATE045
330	±10	20.8	8	0.040	D	399-4802-1-ND ***NEW!***	2.90	2.53	2.21	399-4802-2-ND ***NEW!***	500	528.00	T495D337K006ATE040
330	±10	20.8	8	0.050	D	399-4801-1-ND ***NEW!***	2.40	2.09	1.83	399-4801-2-ND ***NEW!***	500	437.00	T495D337K006ATE050
330	±10	20.8	8	0.070	D	399-4800-1-ND ***NEW!***	2.05	1.79	1.56	399-4800-2-ND ***NEW!***	500	373.00	T495D337K006ATE070
470	±10	28.2	10	0.030	X	399-4779-1-ND ***NEW!***	4.05	3.92	3.42	399-4779-2-ND ***NEW!***	500	819.00	T495X477K006ATE030
470	±10	28.2	10	0.045	X	399-4778-1-ND ***NEW!***	3.60	3.48	3.04	399-4778-2-ND ***NEW!***	500	728.00	T495X477K006ATE045
470	±10	29.6	12	0.125	D	399-3886-1-ND	2.10	1.83	1.60	399-3886-2-ND	500	382.00	T495D477K006ATE125
470	±10	29.6	12	0.10	D	399-4701-1-ND ***NEW!***	2.25	1.96	1.71	399-4701-2-ND ***NEW!***	500	409.50	T495D477K006ATE100
15	±10	1.5	6	0.475	C	399-4639-1-ND ***NEW!***	1.91	1.85	1.62	399-4639-2-ND ***NEW!***	500	387.00	T495C156K010ATE475
68	±10	6.8	6	0.10	V	399-4780-1-ND ***NEW!***	3.78	3.66	3.20	399-4780-2-ND ***NEW!***	1000	1429.00	T495V686K010ATE100
100	±10	10	8	0.10	D	399-3879-1-ND	1.20	1.05	.92	399-3879-2-ND	500	218.50	T495D107K010ATE100
150	±20	15	8	0.15	V	399-3891-1-ND	3.85	3.35	2.93	399-3891-2-ND	1,000	1309.00	T495V157M010ATE150
220	±10	22.0	8	0.045	D	399-4803-1-ND ***NEW!***	2.90	2.53	2.21	399-4803-2-ND ***NEW!***	500	528.00	T495D227K010ATE045
220	±10	22.0	8	0.050	X	399-4782-1-ND ***NEW!***	3.60	3.48	3.04	399-4782-2-ND ***NEW!***	500	728.00	T495X227K010ATE050
220	±10	22.0	8	0.060	X	399-4781-1-ND ***NEW!***	3.15	3.05	2.66	399-4781-2-ND ***NEW!***	500	637.00	T495X227K010ATE060
220	±10	22	8	0.125	D	399-3881-1-ND	1.90	1.66	1.45	399-3881-2-ND	500	346.00	T495D227K010ATE125
220	±20	22	12	0.15	V	399-3892-1-ND	3.95	3.44	3.01	—	—	—	T495V227M010ATE150
220	±10	22	8	0.10	X	399-3900-1-ND	2.50	2.18	1.90	399-3900-2-ND	500	455.00	T495X227K010ATE100
330	±10	33.0	10	0.035	X	399-4783-1-ND ***NEW!***	3.60	3.48	3.04	399-4783-2-ND ***NEW!***	500	728.00	T495X337K010ATE035
330	±10	33.0	10	0.06	E	399-4641-1-ND ***NEW!***	11.93	11.53	10.07	399-4641-2-ND ***NEW!***	500	2411.50	T495E337K010ATE060
330	±10	33.0	10	0.10	E	399-4640-1-ND ***NEW!***	11.93	11.53	10.07	399-4640-2-ND ***NEW!***	500	2411.50	T495E337K010ATE100
330	±10	33	10	0.125	D	399-3884-1-ND	2.10	1.83	1.60	399-3884-2-ND	500	382.00	T495D337K010ATE125
330	±10	33	10	0.06	X	399-3903-1-ND	3.00	2.61	2.28	399-3903-2-ND	500	546.00	T495X337K010ATE060
6.8	±10	1.1	6	0.75	C	399-4642-1-ND ***NEW!***	1.91	1.85	1.62	399-4642-2-ND ***NEW!***	500	387.00	T495C685K016ATE750
33	±10	6.6	6	0.15	D	399-4702-1-ND ***NEW!***	1.60	1.40	1.22	399-4702-2-ND ***NEW!***	500	291.00	T495D336K016ATE150
68	±10	10.9	6	0.18	V	399-4703-1-ND ***NEW!***	4.10	3.57	3.12	399-4703-2-ND ***NEW!***	1000	1394.00	T495V686K016ATE180
68	±10	10.9	6	0.15	D	399-3889-1-ND	1.20	1.05	.92	399-3889-2-ND	500	437.00	T495D686K016ATE150
100	±10	16	8	0.10	X	399-3895-1-ND	2.40	2.09	1.83	399-3895-2-ND	500	437.00	T495X107K016ATE100
100	±20	16	8	0.10	X	399-3896-1-ND	2.40	2.09	1.83	399-3896-2-ND	500	437.00	T495X107M016ATE100
150	±10	24	8	0.10	X	399-3898-1-ND	2.50	2.18	1.90	399-3898-2-ND	500	455.00	T495X157M016ATE100
10	±10	2.0	6	0.475	C	399-4644-1-ND ***NEW!***	1.91	1.85	1.62	399-4644-2-ND ***NEW!***	500	387.00	T495C106K020ATE475
15	±10	3.0	6	0.375	C	399-4643-1-ND ***NEW!***	1.91	1.85	1.62	399-4643-2-ND ***NEW!***	500	387.00	T495C156K020ATE375
22	±10	3.5	4	0.18	D	399-4704-1-ND ***NEW!***	1.45	1.27	1.11	399-4704-2-ND ***NEW!***	500	264.00	T495D226K020ATE180
47	±10	7.5	4	0.15	X	399-3904-1-ND	2.20	1.92	1.68	399-3904-2-ND	500	400.50	T495X476K020ATE150
47	±10	9.4	6	0.10	D	399-4784-1-ND ***NEW!***	1.49	1.44	1.26	399-4784-2-ND ***NEW!***	500	300.50	T495D476K020ATE100
47	±10	9.4	6	0.175	D	399-3885-1-ND	1.40	1.22	1.07	399-3885-2-ND	500	255.00	T495D476K020ATE175
47	±10	9.4	8	0.065	X	399-4804-1-ND ***NEW!***	3.70	3.22	2.82	399-4804-2-ND ***NEW!***	500	673.50	T495X476K020ATE065
68	±10	13.6	8	0.15	D	399-3890-1-ND	1.40	1.22	1.07	399-3890-2-ND	500	255.00	T495D686K020ATE150
68	±10	13.6	6	0.15	X	399-3907-1-ND	2.40	2.09	1.83	399-3907-2-ND	500	437.00	T495X686K020ATE150
100	±10	20.0	8	0.085	E	399-4647-1-ND ***NEW!***	11.93	11.53	10.07	399-4647-2-ND ***NEW!***	500	2411.50	T495E107K020ATE085
100	±10	20.0	8	0.10	E	399-4646-1-ND ***NEW!***	11.93	11.53	10.07	399-4646-2-ND ***NEW!***	500	2411.50	T495E107K020ATE100
100	±10	20.0	8	0.20	E	399-4645-1-ND ***NEW!***	11.93	11.53	10.07	399-4645-2-ND ***NEW!***	500	2411.50	T495E107K020ATE200
2.2	±10	0.6	6	1.30	C	399-4649-1-ND ***NEW!***	1.91	1.85	1.62	399-4649-2-ND ***NEW!***	500	387.00	T495C225K025ATE1K3
3.3	±10	0.9	6	0.75	C	399-4648-1-ND ***NEW!***	1.91	1.85	1.62	399-4648-2-ND ***NEW!***	500	387.00	T495C335K025ATE750
33	±10	8.6	4	0.175	X	399-3901-1-ND	2.20	1.92	1.68	399-3901-2-ND	500	400.50	T495X336K025ATE175
33	±10	8.3	6	0.090	D	399-4785-1-ND ***NEW!***	1.94	1.88	1.64	399-4785-2-ND ***NEW!***	500	391.50	T495D336K025ATE090
33	±10	8.3	6	0.3	D	399-3882-1-ND	1.40	1.22	1.07	399-3882-2-ND	500	255.00	T495D336K025ATE300
47	±10	11.8	6	0.15	X	399-4705-1-ND ***NEW!***	3.00	2.61	2.28	399-4705-2-ND ***NEW!***	500	546.00	T495X476K025ATE150
47	±20	11.8	6	0.2	X	399-3906-1-ND	2.50	2.18	1.90	399-3906-2-ND	500	455.00	T495X476M025ATE200
47	±20	11.8	10	0.12	D	399-4650-1-ND ***NEW!***	1.94	1.88	1.64	399-4650-2-ND ***NEW!***	500	391.50	T495D476M025ATE120
68	±10	17	8	0.125	X	399-4707-1-ND ***NEW!***	3.50	3.05	2.66	399-4707-2-ND ***NEW!***	500	637.00	T495X686K025ATE125
68	±10	17	8	0.15	X	399-4706-1-ND ***NEW!***	3.00	2.61	2.28	399-4706-2-ND ***NEW!***	500	546.00	T495X686K025ATE150
68	±10	17	8	0.2	X	399-3908-1-ND	2.50	2.18	1.90	399-3908-2-ND	500	455.00	T495X686K025ATE200
6.8	±10	2.4	6	0.4	D	399-3887-1-ND	1.20	1.05	.92	399-3887-2-ND	500	218.50	T495D685K035ATE400
22	±10	7.7	6	0.3	D	399-3880-1-ND	1.20	1.05	.92	399-3880-2-ND	500	218.50	T495D226K035ATE300
22	±10	7.7	6	0.275	X	399-3899-1-ND	2.40	2.09	1.83	399-3899-2-ND	500	437.00	T495X226K035ATE275
47	±10	16.5	8	0.3	X	399-3905-1-ND	2.50	2.18	1.90	399-3905-2-ND	500	455.00	T495X476K035ATE300
4.7	±10	2.4	6	0.275	D	399-4786-1-ND ***NEW!***	2.03	1.96	1.71	399-4786-2-ND ***NEW!***	500	409.50	T495D475K050ATE275
6.8	±10	3.4	6	0.3	D	399-3888-1-ND	2.00	1.74	1.52	399-3888-2-ND	500	364.00	T495D685K050ATE300
10	±10	5.0	6	0.3	X	399-3893-1-ND	7.55	6.57	5.74	399-3893-2-ND	500	1374.00	T495X106K050ATE300
10	±20	5.0	6	0.3	X	399-3894-1-ND	7.55	6.57	5.74	399-3894-2-ND	500	1374.00	T495X106M050ATE300
15	±10	7.5	8	0.3	X	399-3897-1-ND	7.55	6.57	5.74	399-3897-2-ND	500	1374.00	T495X156K050ATE300

E: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered.

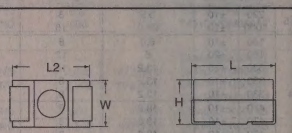
B45190E, B45192E, B45194E and B45196H Standard Series:
Construction: • Polar tantalum capacitors with solid electrolyte • Conventional TA-MnO_2 technology • Flame-retardant plastic case (UL94V-0)
Features: • High volumetric efficiency • Excellent solderability • Stable temperature and frequency characteristics • Low leakage current and dissipation factor • Low self-inductance • Suitable for use without series resistor
Specifications: • Operating Temperature: -55 – 125°C • Service Life: >500,000 Hours • IEC Climactic Category: IEC 60068-1 55/125/56

B45196P Performance 150°C High Reliability Series:
Construction: • Solid Electrolyte • Conventional TA-MnO_2 technology • Flame-retardant plastic case (UL94V-0)
Features: • Outstanding reliability • High volumetric efficiency • Excellent solderability • Stable temperature and frequency characteristics • Low leakage current, low dissipation factor • Low self-inductance • High resistance to shock and vibration • Very low failure rate • Operating temperature up to 150°C
Specifications: • Operating Temperature: -55°C – 150°C • Service Life: >500,000 Hours • IEC Climactic Category: IEC 60068-1

B45197A Speed Power Low ESR Series:
Construction: • Solid Electrolyte • Conventional TA-MnO_2 technology • Flame-retardant plastic ca (UL94V-0)
Features: • High volumetric efficiency • Excellent solderability • Stable temperature and frequen characteristics • Low leakage current, low dissipation factor • Low self-inductance • High resistance to sho and vibration • Low ESR
Specifications: • Operating Temperature: -55°C – 125°C • Service Life: >500,000 Hours • IEC Climac Category: IEC 60068-1

TOPcap B760XX Polymer Ultra-Low ESR Series:
Construction: • Solid electrolyte • Tantalum polymer technology (cathode consists of a solid conduct polymer) • Flame-retardant plastic case (UL94V-0) • Tinned terminals
Features: • High volumetric efficiency • Ultra-low ESR • Excellent solderability • Stable temperature a frequency characteristics • High ESR stability during temperature rise • High permissible ripple curr • Only low derating necessary • Low self-inductance • High resistance to shock and vibration • No failu mode ignition in high-surge current applications
Specifications: • Operating Temperature: -55°C – 105°C • Service Life: >500,000 Hours • IEC Climac Category: IEC 60068-1

Case Size	Dimensions (mm)			
	L	W	H	L_2 Typical
A	3.2	1.6	1.6	3.0
B	3.5	2.8	1.9	3.3
C	6.0	3.2	2.5	5.8
D	7.3	4.3	2.8	7.1
E	7.3	4.3	4.1	7.1
R	3.5	2.8	1.2	3.3
V	7.3	4.3	2.0	7.1
W	6.0	3.2	1.5	3.3
X	7.3	4.3	1.5	7.1



F

Rated Voltage (DC)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DC Leakage Current Max. (µA)	ESR Max. @ 100KHz 20°C (mΩ)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Epcos Part No.
High Capacitance - Low Profile Tantalum Capacitors													
4.0	10	20	A	0.5	4500	495-2174-1-ND	.20	1.74	15.20	495-2174-2-ND	2,000	68.00/M	B45196H0106M109
4.0	47	20	B	1.9	2300	495-2175-1-ND	.26	2.26	19.76	495-2175-2-ND	2,000	88.00/M	B45196H0476M209
4.0	68	20	B	2.7	1800	495-2176-1-ND	.33	2.83	24.70	495-2176-2-ND	2,000	111.00/M	B45196H0686M209
6.3	4.7	10	A	0.5	5500	495-2177-1-ND	.16	1.39	12.16	495-2177-2-ND	2,000	54.00/M	B45196H1475K109
6.3	6.8	10	A	0.5	4500	495-2178-1-ND	.17	1.44	12.54	495-2178-2-ND	2,000	68.00/M	B45196H1685K109
6.3	6.8	20	A	0.5	4500	495-2179-1-ND	.16	1.35	11.78	495-2179-2-ND	2,000	68.00/M	B45196H1685M109
6.3	10	10	A	0.6	4000	495-2180-1-ND	.17	1.44	12.54	495-2180-2-ND	2,000	71.00/M	B45196H1106K109
6.3	10	20	A	0.6	4000	495-2181-1-ND	.16	1.39	12.16	495-2181-2-ND	2,000	70.00/M	B45196H1106M109
6.3	22	10	A	1.4	3000	495-2182-1-ND	.23	2.00	17.48	495-2182-2-ND	2,000	94.00/M	B45196H1226K109
6.3	22	20	A	1.4	3000	495-2183-1-ND	.24	2.04	17.86	495-2183-2-ND	2,000	92.00/M	B45196H1226M109
6.3	22	10	B	1.4	2500	495-2184-1-ND	.24	2.04	17.86	495-2184-2-ND	2,000	94.00/M	B45196H1226K209
6.3	22	20	B	1.4	2500	495-2185-1-ND	.24	2.04	17.86	495-2185-2-ND	2,000	92.00/M	B45196H1226M209
6.3	33	10	B	2.1	2200	495-2186-1-ND	.26	2.22	19.38	495-2186-2-ND	2,000	104.00/M	B45196H1336K209
6.3	33	20	R	2.1	2500	495-2187-1-ND	.46	3.96	34.58	495-2187-2-ND	2,500	155.00/M	B45190E1336M209
6.3	33	20	B	2.1	2000	495-2188-1-ND	.25	2.18	19.00	495-2188-2-ND	2,000	102.00/M	B45196H1336M209
6.3	47	10	B	3.0	2000	495-2189-1-ND	.30	2.57	22.42	495-2189-2-ND	2,000	112.00/M	B45196H1476K209
6.3	47	20	B	3.0	2000	495-2190-1-ND	.29	2.48	21.66	495-2190-2-ND	2,000	109.00/M	B45196H1476M209
6.3	100	20	B	6.3	1600	495-2191-1-ND	.40	3.44	30.06	495-2191-2-ND	2,000	134.00/M	B45196H1107M209
6.3	100	20	C	6.3	1200	495-2192-1-ND	.51	4.44	38.76	495-2192-2-ND	750	162.75	B45196H1107M309
6.3	100	10	D	6.3	800	495-2193-1-ND	.53	4.57	39.90	495-2193-2-ND	750	161.25	B45196H1107K409
6.3	220	20	D	14	800	495-2194-1-ND	.89	7.75	67.72	495-2194-2-ND	750	221.25	B45196H1227M409
6.3	220	20	V	14	700	495-2195-1-ND	1.43	12.44	108.68	495-2195-2-ND	1,000	619.00	B45194E1227M409
10	3.3	20	A	0.5	5500	495-2196-1-ND	.16	1.35	11.78	495-2196-2-ND	2,000	61.00/M	B45196H2335M109
10	4.7	10	A	0.5	4500	495-2197-1-ND	.16	1.39	12.16	495-2197-2-ND	2,000	68.00/M	B45196H2475K109
10	4.7	20	A	0.5	4500	495-2198-1-ND	.16	1.35	11.78	495-2198-2-ND	2,000	68.00/M	B45196H2475M109
10	6.8	10	A	0.7	4000	495-2199-1-ND	.18	1.52	13.30	495-2199-2-ND	2,000	71.00/M	B45196H2685K109
10	10	10	A	1.0	3800	495-2200-1-ND	.18	1.57	13.68	495-2200-2-ND	2,000	78.00/M	B45196H2106K109
10	10	20	A	1.0	3800	495-2201-1-ND	.17	1.48	12.92	495-2201-2-ND	2,000	77.00/M	B45196H2106M109
10	10	10	B	1.0	3000	495-2202-1-ND	.21	1.78	15.58	495-2202-2-ND	2,000	80.00/M	B45196H2106K209
10	10	20	B	1.0	3000	495-2203-1-ND	.20	1.70	14.82	495-2203-2-ND	2,000	78.00/M	B45196H2106M209
10	15	20	A	1.5	3200	495-2204-1-ND	.21	1.83	15.96	495-2204-2-ND	2,000	83.00/M	B45196H2156M109
10	15	10	B	1.5	2500	495-2205-1-ND	.22	1.91	16.72	495-2205-2-ND	2,000	88.00/M	B45196H2156K209
10	15	20	B	1.5	2500	495-2206-1-ND	.23	2.00	17.48	495-2206-2-ND	2,000	87.00/M	B45196H2156M209
10	22	20	A	2.2	3200	495-2207-1-ND	.25	2.18	19.00	495-2207-2-ND	2,000	85.00/M	B45196H2226M109
10	22	10	B	2.2	2300	495-2208-1-ND	.26	2.26	19.76	495-2208-2-ND	2,000	95.00/M	B45196H2226K209
10	22	20	B	2.2	2300	495-2209-1-ND	.26	2.22	19.38	495-2209-2-ND	2,000	94.00/M	B45196H2226M209
10	22	10	C	2.2	1600	495-2210-1-ND	.32	2.78	24.32	495-2210-2-ND	750	94.50	B45196H2226K309
10	22	20	C	2.2	1600	495-2211-1-ND	.31	2.70	23.56	495-2211-2-ND	750	93.00	B45196H2226M309
10	33	20	B	3.3	2000	495-2212-1-ND	.29	2.48	21.66	495-2212-2-ND	2,000	109.00/M	B45196H2336M209
10	33	10	W	5.3	1400	495-2213-1-ND	.87	7.57	66.12	495-2213-2-ND	4,750	296.00/M	B45192E2336K306
10	33	10	C	3.0	1500	495-2214-1-ND	.34	2.96	25.84	495-2214-2-ND	750	109.50	B45196H2336K309
10	33	20	C	3.0	1500	495-2215-1-ND	.35	3.00	26.22	495-2215-2-ND	750	106.50	B45196H2336M309
10	47	10	B	4.7	1600	495-2216-1-ND	.41	3.57	31.16	495-2216-2-ND	2,000	139.00/M	B45196H2476K209
10	47	10	C	4.7	1400	495-2217-1-ND	.43	3.74	32.68	495-2217-2-ND	750	132.75	B45196H2476K309
10	47	20	C	4.7	1400	495-2218-1-ND	.44	3.83	33.44	495-2218-2-ND	750	129.75	B45196H2476M309
10	68	10	D	6.8	800	495-2219-1-ND	.56	4.87	42.56	495-2219-2-ND	750	161.25	B45196H2686K409
10	100	10	C	10	1200	495-2220-1-ND	.75	6.53	57.00	495-2220-2-ND	750	218.25	B45196H2107K309
10	100	20	C	10	1200	495-2221-1-ND	.63	5.44	47.50	495-2221-2-ND	750	213.00	B45196H2107M309
10	100	20	X	10	800	495-2222-1-ND	1.94	16.83	147.06	495-2222-2-ND	1,250	724.00/M	B45192E2107M409
10	100	10	D	10	800	495-2223-1-ND	.59	5.13	44.84	495-2223-2-ND	750	193.50	B45196H2107K409
10	100	20	D	10	800	495-2224-1-ND	.60	5.18	45.22	495-2224-2-ND	750	189.75	B45196H2107M409
10	150	20	D	15	800	495-2225-1-ND	.89	7.75	67.72	495-2225-2-ND	750	221.25	B45196H2157M409
10	220	20	D	22	800	495-2226-1-ND	1.10	9.57	83.60	495-2226-2-ND	750	316.50	B45196H2227M409
10	220	20	E	22	600	495-2227-1-ND	2.40	20.88	182.40	495-2227-2-ND	400	384.40	B45196H2227M509
16	2.2	10	A	0.5	6500	495-2228-1-ND	.16	1.39	12.16	495-2228-2-ND	2,000	63.00/M	B45196H3225K109
16	2.2	20	A	0.5	6500	495-2229-1-ND	.16	1.35	11.78	495-2229-2-ND	2,000	61.00/M	B45196H3225M109
16	3.3	10	A	0.5	5000	495-2230-1-ND	.16	1.39	12.16	495-2230-2-ND	2,000	68.00/M	B45196H3335K109
16	3.3	20	A	0.5	5000	495-2231-1-ND	.16	1.35	11.78	495-2231-2-ND	2,000	68.00/M	B45196H3335M109
16	4.7	10	A	0.8	4000	495-2232-1-ND	.19	1.61	14.06	495-2232-2-ND	2,000	71.00/M	B45196H3475K109

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Rated Voltage (VDC)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DC Leakage Current Max. (µA)	ESR Max. @ 100KHz 20°C (mΩ)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Tape and Reel Pricing	Epcos Part No.
16	4.7	20	A	0.8	4000	495-2233-1-ND	.18	1.57	13.68	495-2233-2-ND	2,000	61.00/M	B45196H3475M109
16	6.8	10	A	1.1	3800	495-2234-1-ND	.21	1.78	15.58	495-2234-2-ND	2,000	78.00/M	B45196H3685K109
16	6.8	20	B	1.1	3000	495-2235-1-ND	.20	1.74	15.20	495-2235-2-ND	2,000	68.00/M	B45196H3685M209
16	10	10	A	1.6	3000	495-2236-1-ND	.21	1.78	15.58	495-2236-2-ND	2,000	70.00/M	B45196H3106K109
16	10	20	A	1.6	3000	495-2237-1-ND	.21	1.78	15.58	495-2237-2-ND	2,000	92.00/M	B45196H3106M109
16	10	10	R	1.6	1500	495-2238-1-ND	.45	3.92	34.20	495-2238-2-ND	2,500	153.00/M	B45196E3106K209
16	10	10	B	1.6	2500	495-2239-1-ND	.24	2.04	17.86	495-2239-2-ND	2,000	88.00/M	B45196H3106K209
16	10	20	B	1.6	2500	495-2240-1-ND	.23	1.96	17.10	495-2240-2-ND	2,000	87.00/M	B45196H3106M209
16	15	20	B	2.4	2300	495-2241-1-ND	.24	2.09	18.24	495-2241-2-ND	2,000	94.00/M	B45196H3156M209
16	22	10	B	3.5	2600	495-2242-1-ND	.30	2.57	22.42	495-2242-2-ND	2,000	112.00/M	B45196H3226K209
16	22	20	B	3.5	2600	495-2243-1-ND	.30	2.61	22.80	495-2243-2-ND	2,000	109.00/M	B45196H3226M209
16	22	10	C	3.5	1500	495-2244-1-ND	.37	3.22	28.12	495-2244-2-ND	750	113.25	B45196H3226K309
16	22	20	C	3.5	1500	495-2245-1-ND	.39	3.35	29.26	495-2245-2-ND	750	111.75	B45196H3226M309
16	33	20	C	5.3	1400	495-2246-1-ND	.45	3.87	33.82	495-2246-2-ND	750	129.75	B45196H3336M309
16	47	10	C	7.5	1400	495-2247-1-ND	.59	5.13	44.84	495-2247-2-ND	750	161.25	B45196H3476K309
16	47	20	C	7.5	1400	495-2248-1-ND	.59	5.09	44.46	495-2248-2-ND	750	186.00	B45196H3476M309
16	47	20	V	7.5	700	495-2249-1-ND	1.30	11.27	98.42	495-2249-2-ND	1,000	566.00	B45194E3476M409
16	47	20	D	7.5	800	495-2250-1-ND	.49	4.22	36.86	495-2250-2-ND	750	161.25	B45196H3476K409
16	47	20	D	7.5	800	495-2251-1-ND	.54	4.70	41.04	495-2251-2-ND	750	158.25	B45196H3476M409
16	68	10	X	10.9	800	495-2252-1-ND	1.99	17.31	151.24	495-2252-2-ND	1,250	677.00/M	B45192E3686K409
16	68	10	D	11	800	495-2253-1-ND	.69	5.96	52.08	495-2253-2-ND	750	193.50	B45196H3686K409
16	68	20	D	11	800	495-2254-1-ND	.68	5.87	51.30	495-2254-2-ND	750	189.75	B45196H3686M409
16	100	10	D	16	800	495-2255-1-ND	.91	7.94	69.39	495-2255-2-ND	750	226.50	B45196H3107K409
16	100	20	D	16	800	495-2256-1-ND	.89	7.75	67.72	495-2256-2-ND	750	221.25	B45196H3107M409
20	2.2	20	A	0.5	6000	495-2257-1-ND	.18	1.57	13.68	495-2257-2-ND	2,000	61.00/M	B45196H4225M109
20	4.7	20	B	0.9	3000	495-2258-1-ND	.21	1.83	15.96	495-2258-2-ND	2,000	71.00/M	B45196H4475M209
20	10	20	B	2.0	2300	495-2259-1-ND	.31	2.65	23.18	495-2259-2-ND	2,000	104.00/M	B45196H4106M209
20	10	10	C	2.0	1600	495-2260-1-ND	.33	2.83	24.70	495-2260-2-ND	750	88.50	B45196H4106K309
20	10	20	C	2.0	1600	495-2261-1-ND	.35	3.05	26.60	495-2261-2-ND	750	94.50	B45196H4106M309
20	15	10	C	3.0	1500	495-2262-1-ND	.40	3.48	30.40	495-2262-2-ND	750	113.25	B45196H4156K309
20	22	20	C	4.4	1400	495-2263-1-ND	.44	3.83	33.44	495-2263-2-ND	750	120.00	B45196H4226M309
20	33	10	D	6.6	800	495-2264-1-ND	.57	4.96	43.32	495-2264-2-ND	750	169.50	B45196H4336K409
20	33	20	D	6.6	800	495-2265-1-ND	.56	4.87	42.56	495-2265-2-ND	750	166.50	B45196H4336M409
20	47	10	D	9.4	800	495-2266-1-ND	.62	5.35	46.74	495-2266-2-ND	750	196.50	B45196H4476K409
20	47	20	D	9.4	800	495-2267-1-ND	.61	5.31	46.36	495-2267-2-ND	750	193.50	B45196H4476M409
25	1.0	10	A	0.5	8000	495-2268-1-ND	.16	1.39	12.16	495-2268-2-ND	2,000	54.00/M	B45196H5105K109
25	1.0	20	A	0.5	8000	495-2269-1-ND	.16	1.35	11.78	495-2269-2-ND	2,000	53.00/M	B45196H5105M109
25	1.5	20	A	0.5	7000	495-2270-1-ND	.18	1.52	13.30	495-2270-2-ND	2,000	70.00/M	B45196H5155M109
25	2.2	20	A	0.6	7000	495-2271-1-ND	.22	1.87	16.34	495-2271-2-ND	2,000	83.00/M	B45196H5225M109
25	4.7	10	B	1.2	3200	495-2272-1-ND	.26	2.22	19.38	495-2272-2-ND	2,000	94.00/M	B45196H5475K209
25	10	20	C	2.5	1600	495-2273-1-ND	.36	3.09	26.98	495-2273-2-ND	750	96.75	B45196H5106M309
25	22	10	D	5.5	800	495-2274-1-ND	.58	5.05	44.08	495-2274-2-ND	750	158.25	B45196H5226K409
25	22	20	D	5.5	800	495-2275-1-ND	.58	5.05	44.08	495-2275-2-ND	750	158.25	B45196H5226M409
25	33	20	D	8.3	800	495-2276-1-ND	.87	7.53	65.74	495-2276-2-ND	2,800	328.00/M	B45196H5336M406
35	0.47	20	A	0.5	1100	495-2277-1-ND	.17	1.48	12.92	495-2277-2-ND	2,000	68.00/M	B45196H6474M109
35	0.68	10	A	0.5	8000	495-2278-1-ND	.19	1.65	14.44	495-2278-2-ND	2,000	75.00/M	B45196H6684K109
35	1.0	20	A	0.5	7000	495-2279-1-ND	.20	1.74	15.20	495-2279-2-ND	2,000	77.00/M	B45196H6105M109
35	2.2	10	B	0.8	4000	495-2280-1-ND	.24	2.09	18.24	495-2280-2-ND	2,000	82.00/M	B45196H6225K209
35	2.2	20	B	0.8	4000	495-2281-1-ND	.24	2.04	17.86	495-2281-2-ND	2,000	94.00/M	B45196H6225M209
35	4.7	10	C	1.6	2000	495-2282-1-ND	.37	3.18	27.74	495-2282-2-ND	750	99.75	B45196H6475K309
35	4.7	20	C	1.6	2000	495-2283-1-ND	.37	3.18	27.74	495-2283-2-ND	750	120.00	B45196H6475M309
35	10	10	V	3.5	1000	495-2284-1-ND	1.77	15.40	134.52	495-2284-2-ND	1,000	709.00	B45194E6106K409
35	10	20	C	3.5	1600	495-2285-1-ND	.54	4.70	41.04	495-2285-2-ND	750	147.75	B45196H6106M309
35	15	20	D	5.3	800	495-2286-1-ND	.67	5.79	50.54	495-2286-2-ND	750	198.00	B45196H6156M409
35	47	20	E	16	900	495-2287-1-ND	2.19	19.05	166.44	495-2287-2-ND	400	384.40	B45196H6476M509
50	10	20	E	5.0	800	495-2288-1-ND	2.88	25.01	218.50	495-2288-2-ND	400	418.80	B45196H7106M509
Performance - High Reliability Tantalum Capacitors													
6.3	47	10	C	3.0	800.0	495-1491-1-ND	.51	4.40	38.46	495-1491-2-ND	750	125.25	B45196P1476K309
10	4.7	10	A	0.5	2900.0	495-1492-1-ND	.27	2.34	20.48	495-1492-2-ND	2,000	83.00/M	B45196P2475K109
10	47	10	D	4.7	600.0	495-1493-1-ND	.78	6.79	59.36	495-1493-2-ND	750	193.50	B45196P2476K409
16	22	10	C	3.6	1000.0	495-1494-1-ND	.55	4.79	41.80	495-1494-2-ND	750	136.50	B45196P3226K309
16	47	10	D	7.5	600.0	495-1495-1-ND	.86	7.46	65.21	495-1495-2-ND	750	213.00	B45196P3476K409
35	0.33	10	A	0.5	11000	495-1497-1-ND	.26	2.30	20.06	495-1497-2-ND	2,000	82.00/M	B45196P6334K109
35	1.0	10	B	0.5	4400.0	495-1498-1-ND	.34	2.97	25.92	495-1498-2-ND	2,000	105.00/M	B45196P6105K209
35	2.2	10	C	0.8	2200.0	495-1499-1-ND	.59	5.17	45.14	495-1499-2-ND	750	147.75	B45196P6225K309
35	6.8	10	D	2.4	900.0	495-1500-1-ND	.94	8.18	71.48	495-1500-2-ND	750	233.25	B45196P6685K409
35	10	10	D	3.5	700.0	495-1501-1-ND	.94	8.18	71.48	495-1501-2-ND	750	233.25	B45196P6106K409
SpeedPower - Low ESR Tantalum Capacitors													
4.0	680	10	E	27.0	150.0	495-1502-1-ND	1.94	16.83	147.06	495-1502-2-ND	400	281.60	B45197A0687K509
4.0	1000	10	E	40.0	150.0	495-1503-1-ND	2.29	19.95	174.31	495-1503-2-ND	400	334.00	B45197A0108K509
6.3	22	10	C	1.4	375	495-1504-1-ND	.62	5.41	47.23	495-1504-2-ND	750	154.50	B45197A1226K309
6.3	33	10	C	2.1	350	495-1505-1-ND	.62	5.41	47.23	495-1505-2-ND	750	154.50	B45197A1336K309
6.3	47	10	C	3.0	325	495-1506-1-ND	.69	5.98	52.25	495-1506-2-ND	750	171.00	B45197A1476K309
6.3	68	10	C	4.3	400	495-1507-1-ND	.72	6.27	54.76	495-1507-2-ND	750	178.50	B45197A1686K309
6.3	68	10	D	4.3	175	495-1508-1-ND	.87	7.61	66.46	495-1508-2-ND	750	216.75	B45197A1686K409
6.3	100	10	C	6.3	150	495-1509-1-ND	.76	6.60	57.68	495-1509-2-ND	750	188.25	B45197A1107K309
6.3	100	10	D	6.3	125	495-1510-1-ND	.87	7.61	66.46	495-1510-2-ND	750	216.75	B45197A1107K409
6.3	150	10	D	9.5	100	495-1511-1-ND	.98	8.57	74.82	495-1511-2-ND	750	244.50	B45197A1157K409
6.3	150	10	E	9.5	100	495-1512-1-ND	1.64	14.26	124.56	495-1512-2-ND	400	216.80	B45197A1157K509
6.3	220	10	D	14	100	495-1513-1-ND	1.05	9.09	79.42	495-1513-2-ND	750	259.50	B45197A1227K409
6.3	220	10	E	14	100	495-1514-1-ND	1.64	14.26	124.56	495-1514-2-ND	400	216.80	B45197A1227K509
6.3	330	10	D	21	100	495-1515-1-ND	1.18	10.24	89.45	495-1515-2-ND	750	291.75	B45197A1337K409
6.3	330	10	E	21	100	495-1516-1-ND	1.77	15.36	134.18	495-1516-2-ND	400	233.60	B45197A1337K509
6.3	470	10	D	30	150	495-1517-1-ND	1.44	12.54	109.52	495-1517-2-ND	750	357.75	B45197A1477K409
6.3	470	10	E	30	100	495-1518-1-ND	1.83	15.93	139.19	495-1518-2-ND	400	242.40	B45197A1477K509
6.3	680	10	E	43	100	495-1519-1-ND	2.05	17.85	155.91	495-1519-2-ND	400	271.60	B45197A1687K509
10	10	10	C	1.0	400	495-1520-1-ND	.62	5.41	47.23	495-1520-2-ND	750	154.50	B45197A2106K309
10	15	10	C	1.5	400	495-1521-1-ND	.62	5.41	47.23	495-1521-2-ND	750	154.50	B45197A2156K309
10	22	10	C	2.2	375	495-1522-1-ND	.62	5.41	47.23	495-1522-2-ND	750	154.50	B45197A2226K309
10	22	10	B	2.2	800	495-1677-1-ND	.70	6.08	53.09	495-1677-2-ND	2,000	215.90/M	B45197A2226K209
10	33	10	C	3.3	375	495-1523-1-ND	.69	5.98	52.25	495-1523-2-ND	750	171.00	B45197A2336K309
10	47	10	C	4.7	300	495-1524-1-ND	.72	6.27	54.76	495-1524-2-ND	750	178.50	B45197A2476K309
10	47	10	D	4.7	200	495-1525-1-ND	.87	7.61	66.46	495-1525-2-ND	750	216.75	B45197A2476K409

(Continued)

Rated Voltage (DC)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DC Leakage Current Max. (µA)	ESR Max. @ 100KHz 20°C (mΩ)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Epcos Part No.
10	68	20	C	6.8	250	495-1526-1-ND	.74	6.46	56.43	495-1526-2-ND	750	184.50	B45197A2686M309
10	68	10	D	6.8	150	495-1527-1-ND	.87	7.61	66.46	495-1527-2-ND	750	216.75	B45197A2686K409
10	100	10	C	10	250	495-1528-1-ND	.94	8.13	71.06	495-1528-2-ND	750	231.75	B45197A2107K309
10	100	10	D	10	100	495-1529-1-ND	.98	8.57	74.82	495-1529-2-ND	750	244.50	B45197A2107K409
10	100	10	E	10	100	495-1530-1-ND	1.64	14.26	124.56	495-1530-2-ND	400	216.80	B45197A2107K509
10	150	10	D	15	100	495-1531-1-ND	1.05	9.09	79.42	495-1531-2-ND	750	259.50	B45197A2157K409
10	150	10	E	15	100	495-1532-1-ND	1.64	14.26	124.56	495-1532-2-ND	400	216.80	B45197A2157K509
10	220	10	D	22	100	495-1533-1-ND	1.18	10.24	89.45	495-1533-2-ND	750	291.75	B45197A2227K409
10	220	10	E	22	100	495-1534-1-ND	1.77	15.36	134.18	495-1534-2-ND	400	233.60	B45197A2227K509
10	330	10	D	33	150	495-1535-1-ND	1.44	12.54	109.52	495-1535-2-ND	750	389.25	B45197A2337K409
10	330	10	E	33	100	495-1536-1-ND	1.83	15.93	139.19	495-1536-2-ND	400	242.40	B45197A2337K509
10	470	10	E	47	100	495-1537-1-ND	2.05	17.85	155.91	495-1537-2-ND	400	271.60	B45197A2477K509
16	10	10	C	1.6	450	495-1538-1-ND	.62	5.41	47.23	495-1538-2-ND	750	154.50	B45197A3106K309
16	10	10	B	1.6	800	495-1676-1-ND	.65	5.65	49.32	495-1676-2-ND	2,000	200.60/M	B45197A3106K209
16	15	10	C	2.4	400	495-1539-1-ND	.62	5.41	47.23	495-1539-2-ND	750	154.50	B45197A3156K309
16	22	10	C	3.5	350	495-1540-1-ND	.69	5.98	52.25	495-1540-2-ND	750	171.00	B45197A3226K309
16	33	10	C	5.3	300	495-1541-1-ND	.72	6.27	54.76	495-1541-2-ND	750	178.50	B45197A3336K309
16	33	10	D	5.3	200	495-1542-1-ND	.87	7.61	66.46	495-1542-2-ND	750	216.75	B45197A3336K409
16	47	10	C	7.5	300	495-1543-1-ND	.76	6.60	57.68	495-1543-2-ND	750	188.25	B45197A3476K309
16	47	10	D	7.5	175	495-1544-1-ND	.87	7.61	66.46	495-1544-2-ND	750	216.75	B45197A3476K409
16	68	20	C	11	250	495-1545-1-ND	.91	7.94	69.39	495-1545-2-ND	750	226.50	B45197A3686M309
16	68	10	D	11	150	495-1546-1-ND	.98	8.57	74.82	495-1546-2-ND	750	244.50	B45197A3686K409
16	68	10	E	11	150	495-1547-1-ND	1.64	14.26	124.56	495-1547-2-ND	400	216.80	B45197A3686K509
16	100	10	D	16	150	495-1548-1-ND	1.05	9.09	79.42	495-1548-2-ND	750	259.50	B45197A3107K409
16	100	10	E	16	150	495-1549-1-ND	1.64	14.26	124.56	495-1549-2-ND	400	216.80	B45197A3107K509
16	150	10	D	24	150	495-1550-1-ND	1.31	11.39	99.48	495-1550-2-ND	750	324.75	B45197A3157K409
16	150	10	E	24	100	495-1551-1-ND	1.77	15.36	134.18	495-1551-2-ND	400	233.60	B45197A3157K509
16	220	10	E	35	100	495-1552-1-ND	2.11	18.37	160.51	495-1552-2-ND	400	279.60	B45197A3227K509
20	6.8	10	C	1.4	475	495-1553-1-ND	.65	5.69	49.74	495-1553-2-ND	750	162.75	B45197A4685K309
20	10	10	C	2.0	450	495-1554-1-ND	.65	5.69	49.74	495-1554-2-ND	750	162.75	B45197A4106K309
20	15	10	C	3.0	400	495-1555-1-ND	.69	5.98	52.25	495-1555-2-ND	750	171.00	B45197A4156K309
20	22	10	D	4.4	200	495-1556-1-ND	.91	7.94	69.39	495-1556-2-ND	750	226.50	B45197A4226K409
20	33	10	D	6.6	200	495-1557-1-ND	.91	7.94	69.39	495-1557-2-ND	750	226.50	B45197A4336K409
20	33	10	E	6.6	200	495-1558-1-ND	1.72	14.93	130.42	495-1558-2-ND	400	227.20	B45197A4336K509
20	47	10	D	9.4	250	495-1559-1-ND	.98	8.57	74.82	495-1559-2-ND	750	244.50	B45197A4476K409
20	47	10	E	9.4	150	495-1560-1-ND	1.72	14.93	130.42	495-1560-2-ND	400	227.20	B45197A4476K509
20	68	10	D	14	300	495-1561-1-ND	1.05	9.09	79.42	495-1561-2-ND	750	259.50	B45197A4686K409
20	68	10	E	14	200	495-1562-1-ND	1.77	15.36	134.18	495-1562-2-ND	400	233.60	B45197A4686K509
20	100	10	E	20	150	495-1563-1-ND	1.83	15.93	139.19	495-1563-2-ND	400	242.40	B45197A4107K509
25	4.7	10	C	1.2	525	495-1564-1-ND	.65	5.69	49.74	495-1564-2-ND	750	162.75	B45197A5475K309
25	10	10	C	2.5	450	495-1565-1-ND	.69	5.98	52.25	495-1565-2-ND	750	171.00	B45197A5106K309
25	15	10	D	3.8	230	495-1566-1-ND	.91	7.94	69.39	495-1566-2-ND	750	226.50	B45197A5156K409
25	22	10	D	5.5	230	495-1567-1-ND	.91	7.94	69.39	495-1567-2-ND	750	226.50	B45197A5226K409
25	22	10	E	5.5	230	495-1568-1-ND	1.72	14.93	130.42	495-1568-2-ND	400	227.20	B45197A5226K509
25	33	10	D	8.3	230	495-1569-1-ND	.98	8.57	74.82	495-1569-2-ND	750	244.50	B45197A5336K409
25	33	10	E	8.3	200	495-1570-1-ND	1.72	14.93	130.42	495-1570-2-ND	400	227.20	B45197A5336K509
25	47	10	D	12	250	495-1571-1-ND	1.05	9.09	79.42	495-1571-2-ND	750	259.50	B45197A5476K409
25	47	10	E	12	200	495-1572-1-ND	1.77	15.36	134.18	495-1572-2-ND	400	233.60	B45197A5476K509
25	68	10	E	17	200	495-1573-1-ND	1.83	15.93	139.19	495-1573-2-ND	400	242.40	B45197A5686K509
35	3.3	10	C	1.2	550	495-1574-1-ND	.68	5.93	51.83	495-1574-2-ND	750	169.50	B45197A6335K309
35	4.7	10	D	1.6	300	495-1575-1-ND	1.00	8.71	76.08	495-1575-2-ND	750	248.25	B45197A6475K409
35	6.8	10	D	2.4	300	495-1576-1-ND	1.00	8.71	76.08	495-1576-2-ND	750	248.25	B45197A6685K409
35	6.8	10	E	2.4	300	495-1577-1-ND	1.80	15.69	137.10	495-1577-2-ND	400	238.80	B45197A6685K509
35	10	10	D	3.5	260	495-1578-1-ND	1.00	8.71	76.08	495-1578-2-ND	750	248.25	B45197A6106K409
35	10	10	E	3.5	260	495-1579-1-ND	1.80	15.69	137.10	495-1579-2-ND	400	238.80	B45197A6106K509
35	15	10	D	5.3	260	495-1580-1-ND	1.00	8.71	76.08	495-1580-2-ND	750	248.25	B45197A6156K409
35	15	10	E	5.3	260	495-1581-1-ND	1.80	15.69	137.10	495-1581-2-ND	400	238.80	B45197A6156K509
35	22	10	D	7.7	260	495-1582-1-ND	1.40	12.15	106.17	495-1582-2-ND	750	346.50	B45197A6226K409
35	22	10	E	7.7	260	495-1583-1-ND	1.80	15.65	136.69	495-1583-2-ND	400	238.00	B45197A6226K509
35	33	10	E	12	260	495-1584-1-ND	2.02	17.56	153.41	495-1584-2-ND	400	267.20	B45197A6336K509
35	47	10	E	16	230	495-1585-1-ND	2.13	18.52	161.77	495-1585-2-ND	400	281.60	B45197A6476K509
50	4.7	10	D	2.4	300	495-1586-1-ND	1.22	10.62	92.80	495-1586-2-ND	750	303.00	B45197A7475K409
50	6.8	10	D	3.4	400	495-1587-1-ND	1.22	10.62	92.80	495-1587-2-ND	750	303.00	B45197A7685K409
50	6.8	10	E	3.4	300	495-1588-1-ND	2.21	19.24	168.04	495-1588-2-ND	400	292.80	B45197A7685K509
50	10	10	E	5.0	300	495-1589-1-ND	1.99	17.31	151.23	495-1589-2-ND	400	289.60	B45197A7106K509
						Polymer Tantalum Capacitors Ultra-Low ESR							
2.5	220	20	V	55	25	495-2290-1-ND	2.15	18.66	163.02	495-2290-2-ND	1,000	729.30	B76002V2279M02
2.5	220	20	V	55	35	495-1590-1-ND	2.30	20.00	174.72	495-1590-2-ND	1,000	782.00	B76002V2279M03
2.5	220	20	V	55	45	495-2291-1-ND	1.93	16.75	146.30	495-2291-2-ND	1,000	654.50	B76002V2279M04
2.5	330	20	V	83	45	495-1591-1-ND	2.12	18.44	161.12	495-1591-2-ND	1,000	721.00	B76002V3379M04
4.0	220	20	V	88	25	495-2294-1-ND	1.75	15.23	133.00	495-2294-2-ND	1,000	654.50	B76004V2279M02
4.0	220	20	V	88	45	495-1592-1-ND	1.99	17.27	150.90	495-1592-2-ND	1,000	675.00	B76004V2279M04
4.0	470	20	D	188	25	495-2292-1-ND	3.03	26.32	229.90	495-2292-2-ND	750	825.83	B76004D4779M25
4.0	470	20	D	188	40	495-1598-1-ND	2.30	20.00	174.72	495-1598-2-ND	750	627.75	B76004D4779M04
4.0	680	20	E	272	40	495-2293-1-ND	3.63	31.58	275.88	495-2293-2-ND	400	528.53	B76004E6879M04
6.3	100	20	V	63	45	495-1593-1-ND	1.99	17.27	150.90	495-1593-2-ND	1,000	675.00	B76006V1079M04
6.3	150	20	D	95	55	495-2296-1-ND	2.70	23.45	204.82	495-2296-2-ND	750	735.74	B76006D1579M05
6.3	150	20	V	95	25	495-2300-1-ND	1.93	16.75	146.30	495-2300-2-ND	1,000	654.50	B76006V1579M02
6.3	150	20	V	95	35	495-2301-1-ND	1.93	16.75	146.30	495-2301-2-ND	1,000	654.50	B76006V1579M03
6.3	150	20	V	95	45	495-1594-1-ND	2.30	20.00	174.72	495-1594-2-ND	1,000	782.00	B76006V1579M04
6.3	150	20	X	95	70	495-2304-1-ND	1.93	16.75	146.30	495-2304-2-ND	1,250	654.51/M	B76006X1579M07
6.3	220	20	D	139	40	495-2297-1-ND	2.70	23.45	204.82	495-2297-2-ND	750	735.74	B76006D2279M04
6.3	220	20	V	139	25	495-2302-1-ND	1.93	16.75	146.30	495-2302-2-ND	1,000	654.50	B76006V2279M02
6.3	220	20	D	139	45	495-1600-1-ND	2.45	21.32	186.20	495-1600-2-ND	750	669.00	B76006D2279M04
6.3	220	20	D	139	50	495-1599-1-ND	2.35	20.43	178.49	495-1599-2-ND	750	641.25	B76006D2279M05
6.3	220	20	V	139	40	495-1596-1-ND	2.30	20.00	174.72	495-1596-2-ND	1,000	782.00	B76006V2279M04
6.3	220	20	V	139	45	495-1595-1-ND	1.99	17.27	150.90	495-1595-2-ND	1,000	675.00	B76006V2279M04
6.3	330	20	D	208	25	495-2298-1-ND	2.70	23.45	204.82	495-2298-2-ND	750	735.74	B76006D3379M02
6.3	330	20	D	208	45	495-1601-1-ND	2.40	20.91	182.67	495-1601-2-ND	750	656.25	B76006D3379M04
6.3	330	20	D	208	40	495-1602-1-ND	2.65	23.02	201.06	495-1602-2-ND	750	722.25	B76006D3379M04
6.3	330	20	V	208	45	495-2303-1-ND	2.70	23.45	204.82	495-2303-2-ND	1,000	916.30	B76006V3379M04
6.3	470	20	E	296	35	495-1603-1-ND	4.03	35.03	305.98	495-1603-2-ND	400	586.00	B76006E4779M03
6.3	470	20	E	296	40	495-2299-1-ND	2.75	23.93	209.00	495-2299-2-ND	400	400.40	B76006E4779M04
10	68	20	V	68	45	495-2309-1-ND	2.15	18.66	163.02	495-2309-2-ND	1,000	729.30	B76010V6869M04
10	68	20	V	68	60	495-2310-1-ND	1.93	16.75	146.30	495-2310-2-ND	1,000	654.50	B76010V6869M06

F

IASONIC ECQ-B CROSS REFERENCE:

ague: 225P, 418P; **Mepco:** 713D1, 711D1, 719D1; **TRW:** 601PE, 601CPE; **Packtron:** PE, **Secor:** MFDW, MFDR; **Roederstein:** KT1805, KT1806, KT1807, KT1898; **Wima:** FKS; **CSF mpson:** ED (Dip); **Rubycon:** F2X, F2S, F3U; **Nichicon:** TDY; **Nissei:** AMZ, AMX, AMR, AMM.

CIFICATIONS:

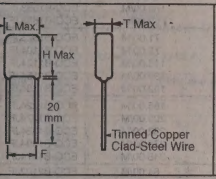
perating Temp. Range: -40° ~ 85°C • **Rated Voltage:** DC 50V, 100V, 200V • **Capacitance ge:** .0001 ~ 0.47μF • **Capacitance Tolerance:** ±5% (J), ±10% (K) • **Dissipation Factor:** 1.0% C, 1kHz) • **Withstand Voltage:** Between Terminals: rated voltage(V, DC) x 250% 1 ~ 5 seconds • **Insulation Resistance:** C ≤0.33μF: 30000MΩ minimum (20°C, 50VDC 60s: ECQB1H(F), C>0.33μF: 10000MΩ·μF minimum (20°C, 100VDC 60s: ECQB1(F), ECQB2(F) • **Construction:** Polyester film, non-inductive, epoxy coating.

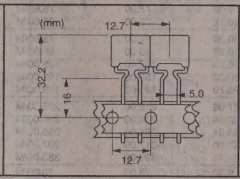
FEATURES:

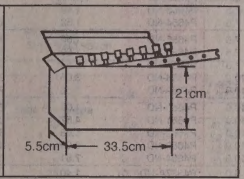
High volumetric efficiency; non-inductive construction; low-loss, high stability; and epoxy resin coating.

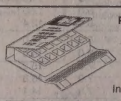
APPLICATIONS:

Blocking, by-pass and coupling of DC and signal to VHF range; pulse, logic and timing circuits; light duty pulse forming networks; filter & noise suppression circuits; and general purpose usage.









Panasonic Polyester Capacitors

Digi-Key® B-Series Kit

300 capacitors in all.

P4550-KIT-ND $29.95

Includes those parts listed below (*).

P4551-ND . 80 pc.	P4555-ND . 30 pc.	P4559-ND . 30 pc.
P4552-ND . 10 pc.	P4556-ND . 10 pc.	P4560-ND . 10 pc.
P4553-ND . 20 pc.	P4557-ND . 20 pc.	P4561-ND . 30 pc.
P4554-ND . 20 pc.	P4558-ND . 20 pc.	P4562-ND . 20 pc.

olts	Cap. μF	Toler-ance	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Pricing 10	100	1,000	5,000	10,000	Panasonic Part No.
	.0001	±10%	7.0	3.0	6.0	5.0	P4570-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H101KF
	.00012	±10%	7.0	3.0	6.0	5.0	P4571-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H121KF
	.00015	±10%	7.0	3.0	6.0	5.0	P4572-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H151KF
	.00018	±10%	7.0	3.0	6.0	5.0	P4573-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H181KF
	.00022	±10%	7.0	3.0	6.0	5.0	P4574-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H221KF
	.00027	±10%	7.0	3.0	6.0	5.0	P4575-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H271KF
	.00033	±10%	7.0	3.0	6.0	5.0	P4576-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H331KF
	.00039	±10%	7.0	3.0	6.0	5.0	P4577-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H391KF
	.00047	±5%	7.0	3.0	6.0	5.0	P4578-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H471JF
	.00056	±5%	7.0	3.0	6.0	5.0	P4579-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H561JF
	.00068	±5%	7.0	3.0	6.0	5.0	P4580-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H681JF
	.00082	±5%	7.0	3.0	6.0	5.0	P4581-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H821JF
	.001	±5%	7.0	3.0	6.0	5.0	P4551-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H102JF
	.0012	±5%	7.0	3.0	6.0	5.0	P4552-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H122JF
	.0015	±5%	7.0	3.0	6.0	5.0	P4553-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H152JF
	.0018	±5%	7.0	3.0	6.0	5.0	P4554-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H182JF
	.0022	±5%	7.0	3.0	6.0	5.0	P4555-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H222JF
	.0027	±5%	7.0	3.0	6.0	5.0	P4556-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H272JF
	.0033	±5%	7.0	3.0	6.0	5.0	P4557-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H332JF
	.0039	±5%	7.0	3.0	6.0	5.0	P4558-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H392JF
	.0047	±5%	7.0	3.0	6.0	5.0	P4559-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H472JF
WV	.0056	±5%	7.0	3.0	6.0	5.0	P4560-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H562JF
ulk	.0068	±5%	7.0	3.0	6.0	5.0	P4561-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H682JF
g.)	.0082	±5%	7.0	3.0	6.0	5.0	P4562-ND*	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H822JF
	.01	±5%	7.0	3.0	6.0	5.0	P4582-ND	.72	4.80	38.00	36.00/M	33.00/M	ECQ-B1H103JF
	.012	±5%	7.3	3.3	6.3	5.0	P4583-ND	.75	5.00	39.00	38.00/M	34.00/M	ECQ-B1H123JF
	.015	±5%	7.5	3.0	6.0	5.0	P4584-ND	.78	5.20	41.00	39.00/M	36.00/M	ECQ-B1H153JF
	.018	±5%	7.5	3.0	6.0	5.0	P4585-ND	.81	5.40	42.00	41.00/M	37.00/M	ECQ-B1H183JF
	.022	±5%	7.5	3.0	6.0	5.0	P4586-ND	.81	5.40	42.00	41.00/M	37.00/M	ECQ-B1H223JF
	.027	±5%	7.5	3.5	6.5	5.0	P4587-ND	.84	5.60	44.00	42.00/M	38.00/M	ECQ-B1H273JF
	.033	±5%	7.5	3.5	6.5	5.0	P4569-ND	.87	5.80	45.00	44.00/M	40.00/M	ECQ-B1H333JF
	.039	±5%	7.5	3.5	6.5	5.0	P4588-ND	.90	6.00	47.00	45.00/M	41.00/M	ECQ-B1H393JF
	.047	±5%	7.5	4.0	7.0	5.0	P4589-ND	.93	6.20	48.00	47.00/M	42.00/M	ECQ-B1H473JF
	.056	±5%	8.0	4.0	7.5	5.0	P4590-ND	.99	6.60	52.00	50.00/M	45.00/M	ECQ-B1H563JF
	.068	±5%	8.0	4.3	8.5	5.0	P4591-ND	1.14	7.60	59.00	57.00/M	52.00/M	ECQ-B1H683JF
	.082	±5%	8.0	4.5	9.0	5.0	P4592-ND	1.20	8.00	63.00	60.00/M	55.00/M	ECQ-B1H823JF
	.1	±5%	8.0	5.0	10.0	5.0	P4593-ND	1.29	8.60	67.00	65.00/M	59.00/M	ECQ-B1H104JF
	.12	±5%	11.0	5.0	11.6	7.5	P4594-ND	3.15	21.00	164.00	159.00/M	144.00/M	ECQ-B1H124JF
	.15	±5%	11.0	5.0	12.0	7.5	P4595-ND	3.39	22.60	177.00	171.00/M	155.00/M	ECQ-B1H154JF
	.18	±5%	11.0	5.5	12.4	7.5	P4596-ND	3.54	23.60	184.00	178.00/M	162.00/M	ECQ-B1H184JF
	.22	±5%	11.0	6.0	13.0	7.5	P4597-ND	3.96	26.40	206.00	199.00/M	181.00/M	ECQ-B1H224JF
	.27	±5%	13.0	6.0	14.4	10.0	P4598-ND	4.95	33.00	258.00	249.00/M	226.00/M	ECQ-B1H274JF
	.33	±5%	13.0	6.5	15.0	10.0	P4599-ND	5.34	35.60	278.00	269.00/M	244.00/M	ECQ-B1H334JF
	.39	±5%	13.0	7.0	15.4	10.0	P4734-ND	5.76	38.40	300.00	290.00/M	263.00/M	ECQ-B1H394JF
	.47	±5%	13.0	7.5	16.2	10.0	P4735-ND	6.33	42.20	330.00	319.00/M	289.00/M	ECQ-B1H474JF
	.0001	±5%	7.2	3.0	6.0	5.0	P4773-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1101JF
	.00012	±5%	7.2	3.0	6.0	5.0	P4774-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1121JF
	.00015	±5%	7.2	3.0	6.0	5.0	P4775-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1151JF
	.00018	±5%	7.2	3.0	6.0	5.0	P4776-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1181JF
	.00022	±5%	7.2	3.0	6.0	5.0	P4777-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1221JF
	.00027	±5%	7.2	3.0	6.0	5.0	P4778-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1271JF
	.00033	±5%	7.2	3.0	6.0	5.0	P4779-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1331JF
	.00039	±5%	7.2	3.0	6.0	5.0	P4780-ND	2.04	13.60	106.00	103.00/M	93.00/M	ECQ-B1391JF
	.00047	±5%	7.2	3.0	6.0	5.0	P4781-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1471JF
	.00056	±5%	7.2	3.0	6.0	5.0	P4782-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1561JF
	.00068	±5%	7.2	3.0	6.0	5.0	P4783-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1681JF
WV	.00082	±5%	7.2	3.0	6.0	5.0	P4784-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1821JF
ulk	.001	±5%	7.2	3.0	6.0	5.0	P4785-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1102JF
g.)	.0012	±5%	7.2	3.0	6.0	5.0	P4786-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1122JF
	.0015	±5%	7.2	3.0	6.0	5.0	P4787-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1152JF
	.0018	±5%	7.2	3.0	6.5	5.0	P4788-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1182JF
	.0022	±5%	7.2	3.0	6.5	5.0	P4789-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1222JF
	.0027	±5%	7.2	3.0	6.5	5.0	P4790-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1272JF
	.0033	±5%	7.2	3.0	6.5	5.0	P4791-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1332JF
	.0039	±5%	7.2	3.0	6.5	5.0	P4792-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1392JF
	.0047	±5%	7.2	3.0	6.5	5.0	P4793-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1472JF
	.0056	±5%	7.2	3.0	6.5	5.0	P4794-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1562JF
	.0068	±5%	7.2	3.0	6.5	5.0	P4795-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1682JF
	.0082	±5%	7.2	3.2	7.0	5.0	P4796-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1822JF
	.01	±5%	7.2	3.2	7.0	5.0	P4797-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1103JF

(Continued)

Volts	Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Pricing 10	100	1,000	5,000	10,000	Panasonic Part No.
100WV (Bulk Pkg.)	.012	±5%	7.2	3.5	7.0	5.0	P4798-ND	1.16	7.74	60.00	58.00/M	53.00/M	ECQ-B1123JF
	.015	±5%	7.2	4.0	7.5	5.0	P4799-ND	1.20	8.02	63.00	61.00/M	55.00/M	ECQ-B1153JF
	.018	±5%	7.5	4.5	8.0	5.0	P4647-ND	1.28	8.56	67.00	65.00/M	59.00/M	ECQ-B1183JF
	.022	±5%	7.5	4.5	9.0	5.0	P4648-ND	1.38	9.22	72.00	70.00/M	63.00/M	ECQ-B1223JF
	.027	±5%	7.5	5.0	9.5	5.0	P4649-ND	1.44	9.62	75.00	73.00/M	66.00/M	ECQ-B1273JF
	.033	±5%	7.5	5.5	10.0	5.0	P4650-ND	1.47	9.80	77.00	74.00/M	67.00/M	ECQ-B1333JF
	.039	±5%	7.5	6.0	11.2	5.0	P4651-ND	1.47	9.80	77.00	74.00/M	67.00/M	ECQ-B1393JF
	.047	±5%	7.5	6.5	11.8	5.0	P4652-ND	1.49	9.90	77.00	75.00/M	68.00/M	ECQ-B1473JF
	.056	±5%	10.0	5.0	12.0	7.5	P4653-ND	1.49	9.90	77.00	75.00/M	68.00/M	ECQ-B1563JF
	.068	±5%	10.0	5.5	12.4	7.5	P4654-ND	1.52	10.12	79.00	76.00/M	69.00/M	ECQ-B1683JF
	.082	±5%	10.0	5.5	14.0	7.5	P4655-ND	1.55	10.36	81.00	78.00/M	71.00/M	ECQ-B1823JF
	.1	±5%	10.5	6.0	14.6	7.5	P4656-ND	1.59	10.58	83.00	80.00/M	72.00/M	ECQ-B1104JF
	.12	±5%	10.5	7.0	15.2	7.5	P4657-ND	2.54	16.94	132.00	128.00/M	116.00/M	ECQ-B1124JF
	.15	±5%	13.0	7.0	13.8	10.0	P4658-ND	3.05	20.32	159.00	153.00/M	139.00/M	ECQ-B1154JF
	.18	±5%	13.0	7.5	14.4	10.0	P4659-ND	3.56	23.70	185.00	179.00/M	162.00/M	ECQ-B1184JF
	.22	±5%	13.0	8.0	15.2	10.0	P4660-ND	4.06	27.08	212.00	205.00/M	185.00/M	ECQ-B1224JF
	.27	±5%	13.0	8.5	17.2	10.0	P4661-ND	4.57	30.46	238.00	230.00/M	209.00/M	ECQ-B1274JF
	.33	±5%	13.0	9.0	18.0	10.0	P4662-ND	5.08	33.84	264.00	256.00/M	232.00/M	ECQ-B1334JF
	.39	±5%	13.0	10.5	19.0	10.0	P4663-ND	6.09	40.60	317.00	307.00/M	278.00/M	ECQ-B1394JF
	.47	±5%	13.0	11.5	19.2	10.0	P4664-ND	7.61	50.74	396.00	383.00/M	348.00/M	ECQ-B1474JF
200WV (Bulk Pkg.)	.001	±5%	8.5	4.0	7.0	5.0	P4537A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2102JF
	.0012	±5%	8.5	4.0	7.5	5.0	P4538A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2122JF
	.0015	±5%	8.5	4.0	7.5	5.0	P4539A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2152JF
	.0018	±5%	8.5	4.5	7.5	5.0	P4540A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2182JF
	.0022	±5%	8.5	4.5	7.5	5.0	P4541A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2222JF
	.0027	±5%	8.5	4.5	8.0	5.0	P4542A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2272JF
	.0033	±5%	11.0	4.5	7.5	7.5	P4543A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2332JF
	.0039	±5%	11.0	4.5	7.5	7.5	P4544A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2392JF
	.0047	±5%	11.0	4.5	8.5	7.5	P4545A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2472JF
	.0056	±5%	11.0	4.5	8.5	7.5	P4546A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2562JF
	.0068	±5%	11.0	4.5	9.0	7.5	P4547A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2682JF
	.0082	±5%	11.0	4.5	9.0	7.5	P4548A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2822JF
	.01	±5%	11.0	4.5	10.0	7.5	P4549A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2103JF
	.012	±5%	11.0	5.0	10.5	7.5	P4550A-ND	1.40	9.30	73.00	70.00/M	64.00/M	ECQ-B2123JF
	.015	±5%	11.0	5.5	10.5	7.5	P4551A-ND	1.44	9.62	75.00	73.00/M	66.00/M	ECQ-B2153JF
	.018	±5%	11.0	5.5	12.2	7.5	P4552A-ND	1.55	10.30	80.00	78.00/M	71.00/M	ECQ-B2183JF
	.022	±5%	11.0	6.0	12.6	7.5	P4553A-ND	1.66	11.08	87.00	84.00/M	76.00/M	ECQ-B2223JF
	.027	±5%	11.0	6.5	13.2	7.5	P4554A-ND	1.73	11.56	90.00	87.00/M	79.00/M	ECQ-B2273JF
	.033	±5%	11.0	7.0	13.6	7.5	P4555A-ND	1.77	11.78	92.00	89.00/M	81.00/M	ECQ-B2333JF
	.039	±5%	13.5	5.0	14.4	10.0	P4556A-ND	1.77	11.78	92.00	89.00/M	81.00/M	ECQ-B2393JF
	.047	±5%	13.5	5.5	14.8	10.0	P4557A-ND	1.78	11.88	93.00	90.00/M	81.00/M	ECQ-B2473JF
	.056	±5%	13.5	6.0	15.4	10.0	P4558A-ND	1.78	11.88	93.00	90.00/M	81.00/M	ECQ-B2563JF
	.068	±5%	16.0	5.5	15.0	12.5	P4559A-ND	1.82	12.16	95.00	92.00/M	83.00/M	ECQ-B2683JF
	.082	±5%	16.0	6.0	15.4	12.5	P4560A-ND	1.86	12.42	97.00	94.00/M	85.00/M	ECQ-B2823JF
	.1	±5%	16.0	7.0	16.0	12.5	P4561A-ND	1.91	12.70	99.00	96.00/M	87.00/M	ECQ-B2104JF
	.12	±5%	19.0	6.5	17.6	15.0	P4562A-ND	3.05	20.34	159.00	154.00/M	139.00/M	ECQ-B2124JF
	.15	±5%	19.0	7.5	18.4	15.0	P4563A-ND	3.66	24.38	190.00	184.00/M	167.00/M	ECQ-B2154JF
	.18	±5%	19.0	8.0	19.0	15.0	P4564A-ND	4.27	28.44	222.00	215.00/M	195.00/M	ECQ-B2184JF
	.22	±5%	19.0	9.0	20.0	15.0	P4565A-ND	4.88	32.50	254.00	245.00/M	223.00/M	ECQ-B2224JF
	.27	±5%	24.0	8.0	19.4	20.0	P4566A-ND	5.48	36.56	286.00	276.00/M	250.00/M	ECQ-B2274JF
	.33	±5%	24.0	9.0	20.4	20.0	P4567A-ND	6.09	40.62	317.00	307.00/M	278.00/M	ECQ-B2334JF
	.39	±5%	24.0	10.0	21.2	20.0	P4568A-ND	7.31	48.72	381.00	368.00/M	334.00/M	ECQ-B2394JF
	.47	±5%	24.0	11.5	22.2	20.0	P4569A-ND	9.14	60.92	476.00	460.00/M	417.00/M	ECQ-B2474JF

Volts	Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Tape & Box Pricing 500	1,000	2,000	5,000	6,000	10,000	25,000	26,000	Panasonic Part No.
50WV (Ammo Box Pkg.)	.0001	±10%	7.0	3.0	6.0	5.0	P4570TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H101KF
	.00012	±10%	7.0	3.0	6.0	5.0	P4571TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H121KF
	.00015	±10%	7.0	3.0	6.0	5.0	P4572TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H151KF
	.00018	±10%	7.0	3.0	6.0	5.0	P4573TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H181KF
	.00022	±10%	7.0	3.0	6.0	5.0	P4574TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H221KF
	.00027	±10%	7.0	3.0	6.0	5.0	P4575TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H271KF
	.00033	±10%	7.0	3.0	6.0	5.0	P4576TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H331KF
	.00039	±10%	7.0	3.0	6.0	5.0	P4577TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H391KF
	.00047	±5%	7.0	3.0	6.0	5.0	P4578TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H471JF
	.00056	±5%	7.0	3.0	6.0	5.0	P4579TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H561JF
	.00068	±5%	7.0	3.0	6.0	5.0	P4580TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H681JF
	.00082	±5%	7.0	3.0	6.0	5.0	P4581TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H821JF
	.001	±5%	7.0	3.0	6.0	5.0	P4551TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H102JF
	.0012	±5%	7.0	3.0	6.0	5.0	P4552TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H122JF
	.0015	±5%	7.0	3.0	6.0	5.0	P4553TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H152JF
	.0018	±5%	7.0	3.0	6.0	5.0	P4554TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H182JF
	.0022	±5%	7.0	3.0	6.0	5.0	P4555TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H222JF
	.0027	±5%	7.0	3.0	6.0	5.0	P4556TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H272JF
	.0033	±5%	7.0	3.0	6.0	5.0	P4557TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H332JF
	.0039	±5%	7.0	3.0	6.0	5.0	P4558TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H392JF
	.0047	±5%	7.0	3.0	6.0	5.0	P4559TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H472JF
	.0056	±5%	7.0	3.0	6.0	5.0	P4560TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H562JF
	.0068	±5%	7.0	3.0	6.0	5.0	P4561TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H682JF
	.0082	±5%	7.0	3.0	6.0	5.0	P4562TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H822JF
	.01	±5%	7.0	3.0	6.0	5.0	P4582TB-ND	—	—	38.00/M	—	36.00/M	33.00/M	—	29.00/M	ECQ-B1H103JF
	.012	±5%	7.3	3.0	6.3	5.0	P4583TB-ND	—	—	39.00/M	—	38.00/M	34.00/M	—	30.00/M	ECQ-B1H123JF
	.015	±5%	7.5	3.0	6.0	5.0	P4584TB-ND	—	—	41.00/M	—	39.00/M	36.00/M	—	31.00/M	ECQ-B1H153JF
	.018	±5%	7.5	3.0	6.0	5.0	P4585TB-ND	—	—	42.00/M	—	41.00/M	37.00/M	—	33.00/M	ECQ-B1H183JF
	.022	±5%	7.5	3.0	6.0	5.0	P4586TB-ND	—	—	44.00/M	—	42.00/M	38.00/M	—	34.00/M	ECQ-B1H223JF
	.027	±5%	7.5	3.5	6.5	5.0	P4587TB-ND	—	—	44.00/M	—	42.00/M	38.00/M	—	34.00/M	ECQ-B1H273JF
	.033	±5%	7.5	3.5	6.5	5.0	P4569TB-ND	—	—	45.00/M	—	44.00/M	40.00/M	—	35.00/M	ECQ-B1H333JF
	.039	±5%	7.5	4.0	7.0	5.0	P4588TB-ND	—	—	47.00/M	—	45.00/M	41.00/M	—	36.00/M	ECQ-B1H393JF
	.047	±5%	7.5	4.0	7.5	5.0	P4589TB-ND	—	50.00	—	48.00/M	—	44.00/M	39.00/M	—	ECQ-B1H473JF
	.056	±5%	8.0	4.3	7.5	5.0	P4590TB-ND	—	52.00	—	50.00/M	—	45.00/M	40.00/M	—	ECQ-B1H563JF
	.068	±5%	8.0	4.3	8.5	5.0	P4591TB-ND	—	59.00	—	57.00/M	—	52.00/M	46.00/M	—	ECQ-B1H683JF
	.082	±5%	8.0	4.5	9.0	5.0	P4592TB-ND	—	63.00	—	60.00/M	—	55.00/M	48.00/M	—	ECQ-B1H823JF
	.1	±5%	8.0	5.0	10.0	5.0	P4593TB-ND	—	67.00	—	65.00/M	—	59.00/M	52.00/M	—	ECQ-B1H104JF
	.12	±5%	11.0	5.0	11.6	5.0	P4594TB-ND	—	153.00	—	148.00/M	—	134.00/M	118.00/M	—	ECQ-B1H124JF
	.15	±5%	11.0	5.0	12.0	5.0	P4595TB-ND	—	180.00	—	174.00/M	—	158.00/M	140.00/M	—	ECQ-B1H154JF
	.18	±5%	11.0	5.5	12.4	5.0	P4596TB-ND	87.50	—	—	169.00/M	—	154.00/M	136.00/M	—	ECQ-B1H184JF
	.22	±5%	11.0	6.0	13.0	5.0	P4597TB-ND	—	213.00	—	206.00/M	—	187.00/M	165.00/M	—	ECQ-B1H224JF

Panasonic® V-Series ±5% Stacked Metallized Film Capacitors

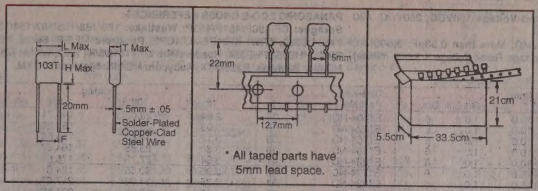
Suitable for Replacement of Monolithic Ceramic Capacitors in Most Cases

ATURES: • High volumetric efficiency • Low sipation factor • Stacked and non-inductive nstruction • Operating temperature range: -40°C 85°C • Temperature coefficient:±c/c: 200 ppm Dissipation factor (maximum): 1.0% • Insulation istance (25°C): 1000MΩ µF • Self-healing

PLICATIONS: • Blocking, by-pass and coupling DC • Pulse, logic and timing circuits • Light duty se forming • Filter and noise suppression

NASONIC ECQ-V CROSS REFERENCE
rague: 453P/454P. **CSF Thompson:** IRD. **mens:** B32509.

convert millimeters to inches divide by 25.4.)



* Panasonic V-Series Stacked Metallized Film Capacitors

Digi-Key® V-Series Capacitors Kit

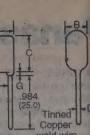
P4542-KIT-ND* (50 Volt K) $49.95
P4700-KIT-ND† (100 Volt K) $49.95

Includes 10 each of those parts indicated below (* or †). 180 capacitors. 10 each of the values listed in the chart. Price includes a notebook style storage box with bin guide for easy storage and quick access.

Working Voltage	Cap. µF	Dimensions (mm) L	T	H	F	Digi-Key Part No. •	Pricing 10	100	1,000	5,000	10,000	Panasonic Part No.
						Bulk Package						
	0.01	7.3	3.2	5.0	5.0	P4513-ND*	.95	7.90	47.00	44.00/M	41.00/M	ECQ-V1H103JL
	0.012	7.3	3.2	5.0	5.0	P4514-ND	1.18	9.80	59.00	54.00/M	51.00/M	ECQ-V1H123JL
	0.015	7.3	3.2	5.0	5.0	P4515-ND*	1.18	9.80	59.00	54.00/M	51.00/M	ECQ-V1H153JL
	0.018	7.3	3.2	5.0	5.0	P4516-ND	1.18	9.80	59.00	54.00/M	51.00/M	ECQ-V1H183JL
	0.022	7.3	3.2	5.0	5.0	P4517-ND*	1.25	10.38	62.00	58.00/M	54.00/M	ECQ-V1H223JL
	0.027	7.3	3.2	5.0	5.0	P4518-ND*	1.28	10.65	64.00	59.00/M	55.00/M	ECQ-V1H273JL
	0.033	7.3	3.2	5.0	5.0	P4519-ND*	1.34	11.20	67.00	62.00/M	58.00/M	ECQ-V1H333JL
	0.039	7.3	3.2	5.0	5.0	P4520-ND	1.39	11.55	69.00	64.00/M	60.00/M	ECQ-V1H393JL
	0.047	7.3	3.2	5.0	5.0	P4521-ND*	1.01	8.40	50.00	47.00/M	44.00/M	ECQ-V1H473JL
	0.056	7.3	3.2	5.0	5.0	P4522-ND	1.01	8.40	50.00	47.00/M	44.00/M	ECQ-V1H563JL
	0.068	7.3	3.2	5.0	5.0	P4523-ND*	1.04	8.70	52.00	48.00/M	45.00/M	ECQ-V1H683JL
	0.082	7.3	3.6	5.0	5.0	P4524-ND*	1.08	8.98	54.00	50.00/M	47.00/M	ECQ-V1H823JL
50	0.1	7.3	4.0	5.0	5.0	P4525-ND*	1.08	8.98	54.00	50.00/M	47.00/M	ECQ-V1H104JL
	0.12	7.3	4.0	5.0	5.0	P4526-ND	1.14	9.53	57.00	53.00/M	49.00/M	ECQ-V1H124JL
	0.15	10.2	3.4	9.0	7.5	P4538-ND	2.07	17.25	103.00	96.00/M	90.00/M	ECQ-V1H154JC
	0.15	7.3	4.4	5.5	5.0	P4665-ND*	1.18	9.80	59.00	54.00/M	51.00/M	ECQ-V1H154JL
	0.18	7.3	4.5	5.5	5.0	P4666-ND*	1.25	10.38	62.00	58.00/M	54.00/M	ECQ-V1H184JL
	0.22	7.3	4.8	5.5	5.0	P4667-ND	1.34	11.20	67.00	62.00/M	58.00/M	ECQ-V1H224JL
	0.27	7.3	4.6	7.0	5.0	P4668-ND*	1.41	11.78	70.00	65.00/M	61.00/M	ECQ-V1H274JL
	0.33	7.3	5.2	7.0	5.0	P4669-ND*	1.51	12.60	75.00	70.00/M	65.00/M	ECQ-V1H334JL
	0.39	7.3	5.7	7.3	5.0	P4670-ND	1.65	13.73	82.00	76.00/M	71.00/M	ECQ-V1H394JL
	0.47	7.3	6.0	7.3	5.0	P4671-ND*	1.82	15.13	90.00	84.00/M	79.00/M	ECQ-V1H474JL
	0.56	7.3	5.8	10.0	5.0	P4672-ND*	2.15	17.93	107.00	100.00/M	93.00/M	ECQ-V1H564JL
	0.68	7.3	6.5	10.0	5.0	P4673-ND*	3.23	26.90	161.00	149.00/M	140.00/M	ECQ-V1H684JL
	0.82	7.3	6.8	10.0	5.0	P4674-ND*	3.23	26.90	161.00	149.00/M	140.00/M	ECQ-V1H824JL
	1.0	7.3	8.0	11.0	5.0	P4675-ND*	3.86	32.20	192.00	179.00/M	167.00/M	ECQ-V1H105JL
	0.18	10.2	3.5	9.0	7.5	P4539-ND	1.23	10.25	61.00	57.00/M	53.00/M	ECQ-V1J184JM
	0.22	10.2	3.5	9.0	7.5	P4540-ND	1.33	11.05	66.00	61.00/M	57.00/M	ECQ-V1J224JM
	0.27	10.2	3.5	9.0	7.5	P4541-ND	1.40	11.63	69.00	65.00/M	60.00/M	ECQ-V1J274JM
	0.33	10.2	3.8	9.0	7.5	P4549-ND	1.49	12.43	74.00	69.00/M	65.00/M	ECQ-V1J334JM
63	0.39	10.2	4.0	9.0	7.5	P4543-ND	1.63	13.55	81.00	75.00/M	70.00/M	ECQ-V1J394JM
	0.47	10.2	4.5	9.0	7.5	P4544-ND	1.79	14.93	89.00	83.00/M	78.00/M	ECQ-V1J474JM
	0.56	10.2	4.9	9.0	7.5	P4545-ND	2.12	17.70	106.00	98.00/M	92.00/M	ECQ-V1J564JM
	0.68	10.2	5.5	10.0	7.5	P4546-ND	3.18	26.53	158.00	147.00/M	138.00/M	ECQ-V1J684JM
	0.82	10.2	6.1	10.0	7.5	P4547-ND	3.18	26.53	158.00	147.00/M	138.00/M	ECQ-V1J824JM
	1.0	10.2	6.9	10.0	7.5	P4548-ND	3.81	31.75	190.00	176.00/M	165.00/M	ECQ-V1J105JM
	0.01	7.3	3.2	7.0	5.0	P4713-ND†	1.28	10.65	64.00	59.00/M	55.00/M	ECQ-V1103JM
	0.012	7.3	3.2	7.0	5.0	P4714-ND	1.28	10.65	64.00	59.00/M	55.00/M	ECQ-V1123JM
	0.015	7.3	3.2	7.0	5.0	P4715-ND†	1.28	10.65	64.00	59.00/M	55.00/M	ECQ-V1153JM
	0.018	7.3	3.2	7.0	5.0	P4716-ND	1.35	11.28	67.00	63.00/M	58.00/M	ECQ-V1183JM
	0.022	7.3	3.2	7.0	5.0	P4717-ND†	1.39	11.55	69.00	64.00/M	60.00/M	ECQ-V1223JM
	0.027	7.3	3.2	7.0	5.0	P4718-ND†	1.46	12.18	73.00	68.00/M	63.00/M	ECQ-V1273JM
	0.033	7.3	3.2	7.0	5.0	P4719-ND†	1.51	12.55	75.00	70.00/M	65.00/M	ECQ-V1333JM
	0.039	7.3	3.2	7.0	5.0	P4720-ND†	1.10	9.15	55.00	51.00/M	48.00/M	ECQ-V1393JM
	0.047	7.3	4.0	7.0	5.0	P4721-ND†	1.10	9.15	55.00	51.00/M	48.00/M	ECQ-V1473JM
	0.056	7.3	4.2	7.0	5.0	P4722-ND†	1.13	9.45	56.00	52.00/M	49.00/M	ECQ-V1563JM
100	0.068	7.3	4.5	7.0	5.0	P4723-ND†	1.17	9.78	58.00	54.00/M	51.00/M	ECQ-V1683JM
	0.082	7.3	5.0	7.0	5.0	P4724-ND†	1.17	9.78	58.00	54.00/M	51.00/M	ECQ-V1823JM
	0.1	7.3	5.8	7.0	5.0	P4725-ND†	1.25	10.38	62.00	58.00/M	54.00/M	ECQ-V1104JM
	0.12	10.0	3.4	9.0	7.5	P4726-ND	1.28	10.65	64.00	59.00/M	55.00/M	ECQ-V1124JM
	0.15	10.0	3.8	9.0	7.5	P4727-ND†	1.35	11.28	67.00	63.00/M	59.00/M	ECQ-V1154JM
	0.18	10.0	4.0	9.0	7.5	P4728-ND†	1.46	12.18	73.00	68.00/M	63.00/M	ECQ-V1184JM
	0.22	10.0	4.3	9.0	7.5	P4729-ND†	1.54	12.80	76.00	71.00/M	66.00/M	ECQ-V1224JM
	0.27	10.0	5.2	10.0	7.5	P4730-ND†	1.64	13.68	82.00	76.00/M	71.00/M	ECQ-V1274JM
	0.33	10.0	5.9	10.0	7.5	P4731-ND†	1.79	14.93	89.00	83.00/M	78.00/M	ECQ-V1334JM
	0.39	10.0	7.5	11.0	7.5	P4732-ND†	1.97	16.43	98.00	91.00/M	85.00/M	ECQ-V1394JM
	0.47	10.0	8.1	11.0	7.5	P4733-ND†	2.34	19.48	116.00	108.00/M	101.00/M	ECQ-V1474JM

rking ltage	Cap. µF	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Pricing 1,000	2,000	5,000	6,000	10,000	26,000	Panasonic Part No.
						Ammo Box Package							
	0.01	7.3	3.2	7.0	5.0	P4513TB-ND	—	57.00/M	—	53.00/M	49.00/M	46.00/M	ECQ-V1H103JL3
	0.012	7.3	3.2	7.0	5.0	P4514TB-ND	—	59.00/M	—	54.00/M	51.00/M	48.00/M	ECQ-V1H123JL3
	0.015	7.3	3.2	7.0	5.0	P4515TB-ND	—	59.00/M	—	54.00/M	51.00/M	48.00/M	ECQ-V1H153JL3
	0.018	7.3	3.2	7.0	5.0	P4516TB-ND	—	59.00/M	—	54.00/M	51.00/M	48.00/M	ECQ-V1H183JL3
	0.022	7.3	3.2	5.0	5.0	P4517TB-ND	—	44.00/M	—	41.00/M	38.00/M	36.00/M	ECQ-V1H223JL3
	0.027	7.3	3.2	7.0	5.0	P4518TB-ND	—	64.00/M	—	59.00/M	55.00/M	52.00/M	ECQ-V1H273JL3
	0.033	7.3	3.2	7.0	5.0	P4519TB-ND	—	67.00/M	—	62.00/M	58.00/M	55.00/M	ECQ-V1H333JL3
	0.039	7.3	3.2	5.0	5.0	P4520TB-ND	—	69.00/M	—	64.00/M	60.00/M	56.00/M	ECQ-V1H393JL3
	0.047	7.3	3.2	7.0	5.0	P4521TB-ND	—	50.00/M	—	47.00/M	44.00/M	41.00/M	ECQ-V1H473JL3
	0.056	7.3	3.2	5.0	5.0	P4522TB-ND	—	50.00/M	—	47.00/M	44.00/M	41.00/M	ECQ-V1H563JL3
	0.068	7.3	3.9	7.0	5.0	P4523TB-ND	—	52.00/M	—	48.00/M	45.00/M	42.00/M	ECQ-V1H683JL3
	0.082	7.3	4.1	7.0	5.0	P4524TB-ND	—	54.00/M	—	50.00/M	47.00/M	44.00/M	ECQ-V1H823JL3
	0.1	7.3	4.4	7.0	5.0	P4525TB-ND	—	54.00/M	—	50.00/M	47.00/M	44.00/M	ECQ-V1H104JL3
50	0.12	7.3	4.7	7.0	5.0	P4526TB-ND	—	54.00/M	—	50.00/M	47.00/M	44.00/M	ECQ-V1H124JL3
	0.15	10.0	3.4	9.0	5.0	P4527TB-ND	59.00	—	54.00/M	—	51.00/M	—	ECQ-V1H154JL3
	0.18	10.0	3.5	9.0	5.0	P4528TB-ND	62.00	—	58.00/M	—	54.00/M	—	ECQ-V1H184JL3
	0.22	10.0	3.7	9.0	5.0	P4529TB-ND	67.00	—	62.00/M	—	58.00/M	—	ECQ-V1H224JL3
	0.27	10.0	4.0	9.0	5.0	P4530TB-ND	70.00	—	65.00/M	—	61.00/M	—	ECQ-V1H274JL3
	0.33	10.0	4.2	9.0	5.0	P4531TB-ND	75.00	—	70.00/M	—	65.00/M	—	ECQ-V1H334JL3
	0.39	10.0	4.9	9.0	5.0	P4532TB-ND	82.00	—	76.00/M	—	71.00/M	—	ECQ-V1H394JL3
	0.47	10.0	5.5	10.0	5.0	P4533TB-ND	90.00	—	84.00/M	—	79.00/M	—	ECQ-V1H474JL3
	0.56	10.0	6.1	10.0	5.0	P4534TB-ND	107.00	—	100.00/M	—	93.00/M	—	ECQ-V1H564JL3
	0.68	10.0	6.8	10.0	5.0	P4535TB-ND	161.00	—	149.00/M	—	140.00/M	—	ECQ-V1H684JL3
	0.82	7.3	6.8	10.0	5.0	P4536TB-ND	161.00	—	149.00/M	—	140.00/M	—	ECQ-V1H824JL3
	1.0	7.3	8.0	11.0	5.0	P4537TB-ND	192.00	—	179.00/M	—	167.00/M	—	ECQ-V1H105JL3

Panasonic® E-Series Metallized Polyester Capacitors



GENERAL SPECIFICATIONS: ELECTRICAL: Rated Voltage 100VDC, 250VDC, 400 V.D.C., 630 V.D.C. **Capacitance Tolerance** ±10% (K)
Insulation Resistance: Less than 0.33µF: 9,000MΩ; More than 0.33µF: 3,000MΩ.
Dissipation Factor = 1.0% at 1kHz **Withstanding Voltage** Rated Voltage X 1.5 (1 minute)
Operating Temperature -40°C ~ 85°C

PANASONIC ECQ-E CROSS REFERENCES:
Sprague: DF/450P/451P/453P; **Westlake:** 160/168/185/167/184/186; **Mepco:** 713A1/719A1/C280; **TRW:** X601PE/X601CPE; **Packtron:** MF/RB; **Secor:** MMKS/MMKR/MMDR; **RIFA:** PHE353/PHE354; **Roederstein:** MKT1818/MKT1822; **WIMA:** MKS; **CSF Thompson:** MD/MC; **Siemens:** B325X-XX; **Rubycon:** MC/MN; **Nichicon:** DDXM.

Working Voltage	Cap. µF	Dimensions (mm) A	B	C	F	G	Dia.	Digi-Key Part No.	Pricing 1	10	100	1,000	5,000	10,000	Panasonic Part No.
	.1	12.0	4.0	7.4	10.0	1.0	.6	E1104-ND	.34	2.94	23.03	146.71	138.23/M	127.28/M	ECQ-E1104KZ
	.12	12.0	4.5	7.4	10.0	1.0	.6	E1124-ND	.35	3.03	23.74	151.20	142.46/M	131.17/M	ECQ-E1124KZ
	.15	12.0	4.0	9.5	10.0	1.0	.6	E1154-ND	.36	3.12	24.44	155.69	146.69/M	135.07/M	ECQ-E1154KZ
	.18	12.0	4.5	10.0	10.0	1.0	.6	E1184-ND	.39	3.30	25.85	164.67	155.15/M	142.86/M	ECQ-E1184KZ
	.22	12.0	5.0	10.5	10.0	1.0	.6	E1224-ND	.41	3.54	27.73	176.65	166.43/M	153.25/M	ECQ-E1224KZ
	.27	17.0	4.5	8.0	15.0	1.0	.6	E1274-ND	.46	3.90	30.55	194.61	183.36/M	168.84/M	ECQ-E1274KZ
	.33	17.0	4.5	10.0	15.0	1.0	.6	E1334-ND	.51	4.35	34.08	217.07	204.52/M	188.32/M	ECQ-E1334KZ
	.39	17.0	5.0	10.0	15.0	1.0	.6	E1394-ND	.53	4.50	35.25	224.55	211.57/M	194.81/M	ECQ-E1394KZ
	.47	17.0	5.5	11.0	15.0	1.0	.6	E1474-ND	.55	4.74	37.13	236.53	222.85/M	205.20/M	ECQ-E1474KZ
	.56	17.0	6.5	11.5	15.0	1.0	.6	E1564-ND	.64	5.46	42.77	272.45	256.70/M	236.37/M	ECQ-E1564KZ
	.68	17.0	7.0	12.0	15.0	1.0	.8	E1684-ND	.72	6.21	48.65	309.88	291.96/M	268.84/M	ECQ-E1684KZ
	.82	17.0	7.5	13.0	15.0	1.0	.8	E1824-ND	.79	6.81	53.35	339.82	320.17/M	294.81/M	ECQ-E1824KZ
100	1.0	17.0	8.0	14.0	15.0	1.0	.8	E1105-ND	.86	7.41	58.05	369.76	348.38/M	320.78/M	ECQ-E1105KZ
	1.2	17.0	8.5	16.0	15.0	1.0	.8	E1125-ND	1.00	8.58	67.21	426.14	403.39/M	371.43/M	ECQ-E1125KZ
	1.5	25.5	7.5	14.5	22.5	1.0	.8	E1155-ND	1.17	10.02	78.49	500.00	471.09/M	433.77/M	ECQ-E1155KZ
	1.8	25.5	8.5	16.0	22.5	1.0	.8	E1185-ND	1.30	11.13	87.19	555.39	523.27/M	481.82/M	ECQ-E1185KZ
	2.2	25.5	9.5	16.5	22.5	1.0	.8	E1225-ND	1.47	12.60	98.70	628.74	592.38/M	545.46/M	ECQ-E1225KZ
	2.7	25.5	10.0	18.5	22.5	1.0	.8	E1275-ND	1.67	14.31	112.10	714.07	672.78/M	619.46/M	ECQ-E1275KZ
	3.3	25.5	10.0	19.0	22.5	1.0	.8	E1335-ND	2.13	18.24	142.88	910.18	857.55/M	789.51/M	ECQ-E1335KZ
	3.9	30.5	11.0	18.0	27.5	1.5	.8	E1395-ND	2.41	20.67	161.92	1031.43	971.79/M	894.81/M	ECQ-E1395KZ
	4.7	30.5	11.0	20.5	27.5	1.5	.8	E1475-ND	2.72	23.31	182.60	1163.17	1095.91/M	1009.09/M	ECQ-E1475KZ
	5.6	30.5	12.5	21.0	27.5	1.5	.8	E1565-ND	3.23	27.72	217.14	1383.23	1303.24/M	1200.00/M	ECQ-E1565KZ
	6.8	30.5	13.0	24.0	27.5	1.5	.8	E1685-ND	3.67	31.47	246.52	1570.35	1479.55/M	1362.34/M	ECQ-E1685KZ
	8.2	30.5	15.0	25.0	27.5	1.5	.8	E1825-ND	4.24	36.30	284.35	1811.37	1706.66/M	1571.43/M	ECQ-E1825KZ
	10.0	30.5	16.0	27.0	27.5	1.5	.8	E1106-ND	4.93	42.24	330.88	2107.78	1985.89/M	1828.57/M	ECQ-E1106KZ
	.01	12.5	5.0	8.5	10.0	1.0	.6	E2103-ND*	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2103KS
	.012	12.5	5.0	8.5	10.0	1.0	.6	E2123-ND*	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2123KS
	.015	12.5	5.0	8.5	10.0	1.0	.6	E2153-ND	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2153KS
	.018	12.5	5.0	8.5	10.0	1.0	.6	E2183-ND	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2183KS
	.022	12.5	5.0	8.5	10.0	1.0	.6	E2223-ND*	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2223KS
	.027	12.5	5.0	8.5	10.0	1.0	.6	E2273-ND	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2273KS
	.033	12.5	5.0	8.5	10.0	1.0	.6	E2333-ND*	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2333KS
	.039	12.5	5.0	8.5	10.0	1.0	.6	E2393-ND	.31	2.67	20.92	133.23	125.53/M	115.59/M	ECQ-E2393KS
	.047	12.5	5.0	8.0	10.0	1.0	.6	E2473-ND*	.26	2.19	17.16	109.28	102.97/M	94.81/M	ECQ-E2473KS
	.056	12.5	5.5	8.5	10.0	1.0	.6	E2563-ND	.32	2.76	21.62	137.72	129.76/M	119.48/M	ECQ-E2563KS
	.068	12.5	5.5	8.5	10.0	1.0	.6	E2683-ND*	.33	2.82	22.09	140.72	132.58/M	122.08/M	ECQ-E2683KS
	.082	12.5	5.5	10.0	10.0	1.0	.6	E2823-ND	.34	2.94	23.03	146.71	138.23/M	127.28/M	ECQ-E2823KS
	.10	12.5	5.5	10.5	10.0	1.0	.6	E2104-ND*	.26	2.20	17.23	109.73	103.38/M	95.20/M	ECQ-E2723KS
	.12	17.5	5.5	10.0	15.0	1.0	.8	E2124-ND	.40	3.42	26.79	170.66	160.79/M	148.06/M	ECQ-E2124KS
250	.15	17.5	6.0	10.5	15.0	1.0	.8	E2154-ND*	.43	3.72	29.14	185.63	174.90/M	161.04/M	ECQ-E2154KS
	.18	17.5	6.0	10.5	15.0	1.0	.8	E2184-ND	.46	3.90	30.55	194.61	183.36/M	168.84/M	ECQ-E2184KS
	.22	17.5	6.0	11.0	15.0	1.0	.8	E2224-ND*	.38	3.30	25.83	164.52	155.01/M	142.73/M	ECQ-E2224KS
	.27	23.0	6.0	10.5	20.0	1.0	.8	E2274-ND	.55	4.71	36.90	235.03	221.44/M	203.90/M	ECQ-E2274KS
	.33	23.0	6.0	11.0	20.0	1.0	.8	E2334-ND*	.60	5.16	40.42	257.48	242.60/M	223.38/M	ECQ-E2334KS
	.39	23.0	6.5	11.5	20.0	1.0	.8	E2394-ND	.65	5.55	43.48	276.95	260.93/M	240.26/M	ECQ-E2394KS
	.47	23.0	7.0	12.0	20.0	1.0	.8	E2474-ND*	.69	5.94	46.53	296.41	279.27/M	257.15/M	ECQ-E2474KS
	.56	23.0	7.5	13.0	20.0	1.0	.8	E2564-ND	.76	6.51	51.00	324.85	306.07/M	281.82/M	ECQ-E2564KS
	.68	23.0	8.5	14.0	20.0	1.0	.8	E2684-ND	.84	7.17	56.17	357.78	337.10/M	310.39/M	ECQ-E2684KS
	.82	31.0	7.5	13.0	27.5	1.0	.8	E2824-ND	.92	7.89	61.81	393.71	370.95/M	341.56/M	ECQ-E2824KS
	1.0	31.0	8.5	14.0	27.5	1.0	.8	E2105-ND*	.98	8.37	65.57	417.66	393.51/M	362.34/M	ECQ-E2105KS
	1.2	31.0	8.5	16.0	27.5	1.0	.8	E2125-ND*	1.07	9.18	71.91	458.08	431.60/M	397.41/M	ECQ-E2125KS
	1.5	31.0	9.5	17.0	27.5	1.0	.8	E2155-ND*	1.38	11.82	92.59	589.82	555.71/M	511.69/M	ECQ-E2155KS
	1.8	31.0	9.5	18.5	27.5	1.0	.8	E2185-ND	1.66	14.25	111.63	711.08	669.96/M	616.89/M	ECQ-E2185KS
	2.2	31.0	10.5	19.5	27.5	1.0	.8	E2225-ND*	1.67	14.31	112.10	714.07	672.78/M	619.48/M	ECQ-E2225KS
	.01	14.0	5.0	8.5	10.5	1.0	.6	E4103-ND	.42	3.60	28.20	179.64	169.26/M	155.85/M	ECQ-E4103KZ
	.012	14.0	5.5	8.5	10.5	1.0	.6	E4123-ND	.42	3.60	28.20	179.64	169.26/M	155.85/M	ECQ-E4123KZ
	.015	14.0	5.0	8.5	10.5	1.0	.6	E4153-ND	.43	3.72	29.14	185.63	174.90/M	161.04/M	ECQ-E4153KZ
	.018	14.0	5.5	8.5	10.5	1.0	.6	E4183-ND	.43	3.72	29.14	185.63	174.90/M	161.04/M	ECQ-E4183KZ
	.022	14.0	5.5	10.0	10.5	1.0	.6	E4223-ND	.44	3.75	29.38	187.13	176.31/M	162.34/M	ECQ-E4223KZ
	.027	14.0	5.5	10.5	10.5	1.0	.6	E4273-ND	.47	3.99	31.26	199.10	187.59/M	172.73/M	ECQ-E4273KZ
	.033	14.0	6.0	11.0	10.5	1.0	.6	E4333-ND	.49	4.20	32.90	209.58	197.46/M	181.82/M	ECQ-E4333KZ
	.039	14.0	6.5	11.5	10.5	1.0	.6	E4393-ND	.50	4.28	33.37	212.57	200.29/M	184.42/M	ECQ-E4393KZ
	.047	14.0	7.0	12.0	10.5	1.0	.6	E4473-ND	.50	4.26	33.37	212.57	200.29/M	184.42/M	ECQ-E4473KZ
	.056	17.0	6.5	11.0	13.5	1.0	.6	E4563-ND	.54	4.59	35.96	229.04	215.80/M	198.71/M	ECQ-E4563KZ
	.068	17.0	7.0	12.0	13.5	1.0	.6	E4683-ND	.57	4.86	38.07	242.51	228.49/M	210.39/M	ECQ-E4683KZ
	.082	17.0	7.5	12.5	13.5	1.0	.6	E4823-ND	.59	5.07	39.72	252.99	238.37/M	219.48/M	ECQ-E4823KZ
	.10	17.0	7.5	14.5	13.5	1.0	.6	E4104-ND	.58	4.98	39.01	248.50	234.14/M	215.59/M	ECQ-E4104KZ
	.12	17.0	8.5	15.5	13.5	1.0	.6	E4124-ND	.66	5.67	44.42	282.93	266.58/M	245.46/M	ECQ-E4124KZ
400	.15	17.0	9.0	16.5	13.5	1.0	.8	E4154-ND	.72	6.21	48.65	309.88	291.96/M	268.84/M	ECQ-E4154KZ
	.18	17.0	10.0	17.0	13.5	1.0	.8	E4184-ND	.77	6.63	51.94	330.84	311.71/M	287.02/M	ECQ-E4184KZ
	.22	24.5	8.5	15.5	20.5	1.0	.8	E4224-ND	.83	7.11	55.70	354.79	334.28/M	307.80/M	ECQ-E4224KZ
	.27	24.5	9.0	16.5	20.5	1.0	.8	E4274-ND	.92	7.86	61.57	392.21	369.54/M	340.26/M	ECQ-E4274KZ
	.33	24.5	9.5	17.0	20.5	1.0	.8	E4334-ND	.99	8.46	66.27	422.15	397.75/M	366.24/M	ECQ-E4334KZ
	.39	29.5	9.5	16.5	25.5	1.5	.8	E4394-ND	1.07	9.18	71.91	458.08	431.60/M	397.41/M	ECQ-E4394KZ
	.47	29.5	10.0	17.5	25.5	1.5	.8	E4474-ND	1.16	9.90	77.55	494.01	465.45/M	428.58/M	ECQ-E4474KZ
	.56	29.5	11.0	18.0	25.5	1.5	.8	E4564-ND	1.26	10.80	84.60	538.92	507.79/M	467.54/M	ECQ-E4564KZ
	.68	29.5	12.0	19.0	25.5	1.5	.8	E4684-ND	1.41	12.09	94.71	603.29	568.41/M	523.38/M	ECQ-E4684KZ
	.82	29.5	13.0	21.0	25.5	1.5	.8	E4824-ND	1.54	13.20	103.40	658.68	620.59/M	571.43/M	ECQ-E4824KZ
	1.0	29.5	15.0	22.0	25.5	1.5	.8	E4105-ND	1.68	14.43	113.04	720.06	678.42/M	624.68/M	ECQ-E4105KZ
	1.2	29.5	15.0	25.0	25.5	1.5	.8	E4125-ND	2.38	20.40	159.80	1017.96	959.10/M	883.12/M	ECQ-E4125KZ
	1.5	43.5	13.0	22.0	38.5	1.5	.8	E4155-ND	2.56	21.96	172.02	1095.80	1032.44/M	950.65/M	ECQ-E4155KZ
	1.8	43.5	14.5	24.0	38.5	1.5	.8	E4185-ND	3.03	26.01	203.75	1297.90	1222.85/M	1125.98/M	ECQ-E4185KZ
	2.2	43.5	16.0	25.5	38.5	1.5	.8	E4225-ND	3.47	29.70	232.65	1482.03	1396.33/M	1285.72/M	ECQ-E4225KZ
	.01	14.0	5.5	8.5	10.5	1.0	.6	E6103-ND	.45	3.87	30.32	193.11	181.95/M	167.54/M	ECQ-E6103KZ
	.015	14.0	6.0	10.5	10.5	1.0	.6	E6153-ND	.48	4.14	32.43	206.59	194.64/M	179.23/M	ECQ-E6153KZ
	.018	14.0	6.0	11.0	10.5	1.0	.6	E6183-ND	.50	4.26	33.37	212.57	200.29/M	184.42/M	ECQ-E6183KZ
	.022	14.0	6.5	12.0	10.5	1.0	.6	E6223-ND	.52	4.44	34.78	221.56	208.75/M	192.21/M	ECQ-E6223KZ
	.027	17.0	5.5	12.5	13.5	1.0	.6	E6273-ND	.54	4.59	35.96	229.04	215.80/M	198.71/M	ECQ-E6273KZ
	.033	17.0	6.0	12.0	13.5	1.0	.6	E6333-ND	.55	4.74	37.13	236.53	222.85/M	205.20/M	ECQ-E6333KZ
	.039	17.0	6.5	12.0	13.5	1.0	.6	E6393-ND	.57	4.86	38.07	242.51	228.49/M	210.39/M	ECQ-E6393KZ
	.047	17.0	7.0	13.5	13.5	1.0	.6	E6473-ND	.58	4.98	39.01	248.50	234.14/M	215.59/M	ECQ-E6473KZ
	.056	17.0	7.5	14.0	13.5	1.0	.6	E6563-ND	.62	5.34	41.83	266.47	251.06/M	231.17/M	ECQ-E6563KZ
	.068	17.0	8.5	15.0	13.5	1.0	.6	E6683-ND	.67	5.76	45.12	287.42	270.81/M	249.35/M	ECQ-E6683KZ
	.082	17.0	9.0	16.0	13.5	1.0	.8	E6823-ND	.72	6.15	48.18	306.89	289.14/M	266.24/M	ECQ-E6823KZ
	.10	24.5	7.0	14.0	20.5	1.5	.8	E6104-ND	.77	6.57	51.47	327.84	308.89/M	284.42/M	ECQ-E6104KZ
630	.12	24.5	8.5	15.5	20.5	1.5	.8	E6124-ND	.85	7.26	56.87	362.27	341.33/M	314.29/M	ECQ-E6124KZ
	.15	24.5	9.0	16.5	20.5	1.5	.8	E6154-ND	.95	8.13	63.69	405.69	382.23/M	351.95/M	ECQ-E6154KZ
	.18	24.5	10.0	17.0	20.5	1.5	.8	E6184-ND	1.01	8.67	67.92	432.63	407.62/M	375.33/M	ECQ-E6184KZ
	.22	29.5	9.5	17.0	25.5	1.5	.8	E6224-ND	1.10	9.45	74.03	471.56	444.29/M	409.10/M	ECQ-E6224KZ
	.27	29.5	10.5	17.5	25.5	1.5	.8	E6274-ND	1.24	10.65	83.43	531.44	500.71/M	461.04/M	ECQ-E6274KZ
	.33	29.5	11.5	18.5	25.5	1.5	.8	E6334-ND	1.40	12.00	94.00	598.80	564.18/M	519.48/M	ECQ-E6334KZ
	.39	29.5	12.0	19.5	25.5	1.5	.8	E6394-ND	1.52	13.05	102.23	651.20	613.54/M	564.94/M	ECQ-E6394KZ
	.47	29.5	13.0	20.5	25.5	1.5	.8	E6474-ND	1.64	14.07	110.22	702.09	661.50/M	609.09/M	ECQ-E6474KZ
	.56	29.5	15.0	21.5	25.5	1.5	.8	E6564-ND	1.95	16.68	130.66	832.33	784.20/M	722.08/M	ECQ-E6564KZ
	.68	43.5	12.5	19.5	38.5	1.5	.8	E6684-ND	2.52	21.60	169.20	1077.84	1015.51/M	935.07/M	ECQ-E6684KZ
	.82	43.5	14.0	21.0	38.5	1.5	.8	E6824-ND	2.77	23.70	185.65	1182.63	1114.24/M	1025.98/M	ECQ-E6824KZ
	1.0	43.5	14.5	24.0	38.5	1.5	.8	E6105-ND	3.36	28.77	225.37	1435.62	1352.61/M	1245.46/M	ECQ-E6105KZ
	1.2	43.5	16.0	25.5	38.5	1.5	.8	E6125-ND	3.53	30.24	236.88	1508.98	1421.72/M	1309.09/M	ECQ-E6125KZ
	1.5	43.5	18.5	27.0	38.5	1.5	.8	E6155-ND	4.31	36.96	289.52	1844.30	1737.65/M	1600.00/M	ECQ-E6155KZ

* **E-KIT-ND** ***Digi-Key® E-Series Capacitors Kit*** 10 each of all values denoted (except #E2104 which has 30 pcs.) - 170 total pieces. Notebook style storage case $5

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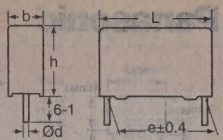
Metallized Polyester Film Capacitors

MKT Series

Construction: • Dielectric: polyethylene terephthalate (polyester) • Tinned wound capacitor technology • Plastic case (UL 94V-0) • Epoxy resin sealing.
Features: • High pulse strength • High contact reliability

Terminals: • Parallel wire leads, tinned **Technical Data:** • Lower category temperature T_{min}: -55°C • Upper category temperature T_{max}: 100°C (125°C for 1000h and V_{DC} = 0.5V_R) • Service life: 200,000h

Dimensions (mm)	
Lead spacing (e)	ød
5.0	0.5
7.5	0.5
10.0	0.5*, 0.6
15.0	0.8

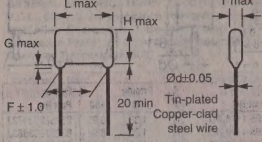


*0.5 for capacitor width b = 4

WV (AC)	Cap (µF)	Toler-ance	Dimensions (mm) b	h	L	e	Digi-Key Part No.	Pricing 1	10	100	Epcos Part No.
32	0.33	±5%	3.0	6.5	7.2	5.0	495-1085-ND	.34	2.29	16.17	B32529C5334J
	0.47	±5%	3.5	8.0	7.2	5.0	495-1086-ND	.37	2.51	17.71	B32529C5474J
	0.68	±5%	4.5	9.5	7.3	5.0	495-1117-ND	.35	2.58	18.40	B32529C5684J
	1.0	±5%	4.5	9.5	7.3	5.0	495-1087-ND	.40	2.97	21.20	B32529C5105J
	1.5	±5%	6.0	10.5	7.5	5.0	495-1088-ND	.71	5.28	38.80	B32529C5155J
	2.2	±5%	7.8	13.0	7.8	5.0	495-1089-ND	1.40	10.49	78.71	B32529D5225J
	3.3	±5%	7.8	13.0	7.8	5.0	495-1090-ND	1.85	14.02	105.84	B32529D5335J
	0.001	±5%	2.5	6.5	7.2	5.0	495-1091-ND	.17	1.29	8.68	B32529C102J
	0.0015	±5%	2.5	6.5	7.2	5.0	495-1092-ND	.17	1.29	8.68	B32529C152J
	0.0022	±5%	2.5	6.5	7.2	5.0	495-1093-ND	.17	1.29	8.68	B32529C222J
	0.0033	±5%	2.5	6.5	7.2	5.0	495-1094-ND	.17	1.29	8.68	B32529C332J
	0.0047	±5%	2.5	6.5	7.2	5.0	495-1095-ND	.17	1.29	8.68	B32529C472J
	0.0068	±5%	2.5	6.5	7.2	5.0	495-1096-ND	.17	1.29	8.68	B32529C682J
	0.01	±5%	2.5	6.5	7.2	5.0	495-1097-ND	.17	1.29	8.68	B32529C103J
	0.015	±5%	2.5	6.5	7.2	5.0	495-1098-ND	.17	1.29	8.68	B32529C153J
	0.022	±5%	2.5	6.5	7.2	5.0	495-1099-ND	.17	1.29	8.68	B32529C223J
	0.033	±5%	2.5	6.5	7.2	5.0	495-1100-ND	.17	1.29	8.68	B32529C333J
	0.047	±5%	2.5	6.5	7.2	5.0	495-1101-ND	.17	1.29	8.68	B32529C473J
	0.068	±5%	2.5	6.5	7.2	5.0	495-1102-ND	.17	1.29	8.68	B32529C683J
	0.10	±5%	2.5	7.0	10.0	7.5	495-1104-ND	.25	1.73	12.18	B32520C104J
	0.10	±5%	2.5	6.5	7.2	5.0	495-1103-ND	.17	1.29	8.68	B32529C104J
	0.15	±5%	2.5	6.5	7.2	5.0	495-1105-ND	.20	1.55	10.42	B32529C154J
	0.22	±5%	2.5	7.0	10.0	7.5	495-1107-ND	.32	2.18	15.40	B32520C224J
	0.22	±5%	2.5	6.5	7.2	5.0	495-1106-ND	.22	1.72	11.56	B32529C224J
	0.33	±5%	2.5	7.0	10.0	7.5	495-1109-ND	.39	2.58	18.18	B32520C334J
	0.33	±5%	3.0	6.5	7.2	5.0	495-1108-ND	.34	2.29	16.17	B32529C334J
	0.47	±5%	3.0	8.0	10.0	7.5	495-1112-ND	.35	2.61	18.68	B32520C474J
40	0.47	±5%	4.0	7.0	13.0	10.0	495-1111-ND	.36	2.67	19.08	B32521C474J
	0.47	±5%	3.5	8.0	7.2	5.0	495-1110-ND	.37	2.51	17.71	B32529C474J
	0.68	±5%	4.0	8.5	10.0	7.5	495-1115-ND	.51	3.76	26.83	B32520C684J
	0.68	±5%	4.0	7.0	10.0	7.5	495-1113-ND	.51	3.76	26.83	B32521C684J
	0.68	±5%	5.0	10.5	18.0	15.0	495-1122-ND	.60	4.41	31.50	B32522C684J
	0.68	±5%	4.5	9.5	7.3	5.0	495-1114-ND	.42	3.07	21.93	B32529C684J
	1.0	±5%	5.0	10.5	10.0	7.5	495-1121-ND	.55	4.08	29.99	B32520C105J
	1.0	±5%	4.0	9.0	13.0	10.0	495-1118-ND	.55	4.08	29.99	B32521C105J
	1.0	±5%	5.0	10.5	18.0	15.0	495-1120-ND	.63	4.65	34.17	B32522C105J
	1.0	±5%	4.5	9.5	7.3	5.0	495-1119-ND	.45	3.30	23.58	B32529C105J
	1.5	±5%	5.0	10.5	10.0	7.5	495-1124-ND	.80	5.95	43.69	B32520C155J
	1.5	±5%	5.0	11.0	13.0	10.0	495-1170-ND	.80	5.95	43.69	B32521C155J
	1.5	±5%	5.0	10.5	18.0	15.0	495-1123-ND	.91	6.77	49.73	B32522C155J
	1.5	±5%	6.0	10.5	7.5	5.0	495-1122-ND	1.05	7.82	57.46	B32529C155J
	2.2	±5%	6.0	12.0	10.3	7.5	495-1128-ND	1.15	8.63	64.71	B32520C225J
	2.2	±5%	5.0	11.0	13.0	10.0	495-1125-ND	1.10	8.24	61.79	B32521C225J
	2.2	±5%	5.0	10.5	18.0	15.0	495-1126-ND	1.11	8.33	62.48	B32522C225J
	2.2	±5%	7.8	13.0	7.8	5.0	495-1127-ND	1.27	9.52	71.39	B32529D225J
	3.3	±5%	6.0	12.0	13.0	10.0	495-1129-ND	1.47	11.01	82.60	B32521C335J
	3.3	±5%	6.0	11.0	18.0	15.0	495-1130-ND	1.49	11.18	83.84	B32522C335J
	4.7	±5%	7.0	12.5	18.0	15.0	495-1131-ND	1.60	12.12	91.46	B32522C475J
	0.001	±5%	2.5	6.5	7.2	5.0	495-1132-ND	.17	1.29	8.68	B32529C1102J
	0.0015	±5%	2.5	6.5	7.2	5.0	495-1133-ND	.17	1.29	8.68	B32529C1152J
	0.0022	±5%	2.5	6.5	7.2	5.0	495-1134-ND	.17	1.29	8.68	B32529C1222J
	0.0033	±5%	2.5	6.5	7.2	5.0	495-1135-ND	.17	1.29	8.68	B32529C1332J
	0.0047	±5%	2.5	6.5	7.2	5.0	495-1136-ND	.17	1.29	8.68	B32529C1472J
	0.0068	±5%	2.5	6.5	7.2	5.0	495-1137-ND	.17	1.29	8.68	B32529C1682J
	0.01	±5%	2.5	6.5	7.2	5.0	495-1138-ND	.17	1.29	8.68	B32529C1103J
	0.015	±5%	2.5	6.5	7.2	5.0	495-1139-ND	.17	1.29	8.68	B32529C1153J
	0.022	±5%	2.5	6.5	7.2	5.0	495-1140-ND	.17	1.29	8.68	B32529C1223J
	0.033	±5%	2.5	6.5	7.2	5.0	495-1141-ND	.17	1.29	8.68	B32529C1333J
	0.047	±5%	2.5	7.0	10.0	7.5	495-1144-ND	.22	1.72	11.56	B32520C1473J
	0.047	±5%	2.5	6.5	7.2	5.0	495-1143-ND	.17	1.29	8.68	B32529C1473J
	0.068	±5%	2.5	7.0	10.0	7.5	495-1145-ND	.24	1.64	11.55	B32520C1683J
	0.068	±5%	2.5	6.5	7.2	5.0	495-1146-ND	.17	1.29	8.68	B32529C1683J
	0.10	±5%	2.5	7.0	10.0	7.5	495-1148-ND	.25	1.73	12.18	B32520C1104J
	0.10	±5%	4.0	7.0	13.0	10.0	495-1149-ND	.29	1.97	13.92	B32521C1104J
	0.10	±5%	2.5	6.5	7.2	5.0	495-1147-ND	.17	1.29	8.68	B32529C1104J
	0.15	±5%	3.0	8.0	10.0	7.5	495-1150-ND	.29	2.00	14.11	B32520C1154J
	0.15	±5%	4.0	7.0	13.0	10.0	495-1152-ND	.31	2.12	14.96	B32521C1154J
63	0.15	±5%	3.0	6.5	7.2	5.0	495-1151-ND	.27	1.82	12.84	B32529C1154J
	0.22	±5%	3.0	8.0	10.0	7.5	495-1153-ND	.34	2.30	16.25	B32520C1224J
	0.22	±5%	4.0	7.0	13.0	10.0	495-1154-ND	.38	2.55	17.96	B32521C1224J
	0.22	±5%	3.5	8.0	7.2	5.0	495-1155-ND	.28	1.89	13.34	B32529C1224J
	0.33	±5%	4.0	8.5	10.0	7.5	495-1156-ND	.34	2.51	17.90	B32520C1334J
	0.33	±5%	4.0	7.0	13.0	10.0	495-1159-ND	.34	2.53	18.08	B32521C1334J
	0.33	±5%	5.0	10.5	18.0	15.0	495-1157-ND	.56	4.11	29.35	B32522C1334J
	0.33	±5%	3.5	8.0	7.2	5.0	495-1158-ND	.38	2.55	17.96	B32529C1334J
	0.47	±5%	5.0	10.5	10.0	7.5	495-1162-ND	.40	2.97	21.20	B32520C1474J
	0.47	±5%	4.0	9.0	13.0	10.0	495-1163-ND	.44	3.21	22.95	B32521C1474J
	0.47	±5%	5.0	10.5	18.0	15.0	495-1161-ND	.57	4.22	30.15	B32522C1474J
	0.47	±5%	4.5	9.5	7.3	5.0	495-1160-ND	.35	2.58	18.43	B32529C1474J
	0.68	±5%	6.0	12.0	10.3	7.5	495-1165-ND	.52	3.86	27.60	B32520C1684J
	0.68	±5%	5.0	11.0	13.0	10.0	495-1164-ND	.53	3.92	28.00	B32521C1684J
	0.68	±5%	5.0	10.5	18.0	15.0	495-1166-ND	.57	4.20	30.88	B32522C1684J
	1.0	±5%	6.0	12.0	13.0	10.0	495-1167-ND	.69	5.13	37.85	B32521C1105J
	1.0	±5%	5.0	10.5	18.0	15.0	495-1168-ND	.70	5.20	38.21	B32522C1105J
	1.0	±5%	7.8	13.0	7.8	5.0	495-1169-ND	.80	5.94	43.64	B32529D1105J
	1.5	±5%	6.0	11.0	18.0	15.0	495-1171-ND	.90	6.72	49.35	B32522C1155J
	2.2	±5%	7.0	12.5	18.0	15.0	495-1172-ND	1.16	8.73	65.45	B32522C225J
	3.3	±5%	8.5	14.5	18.0	15.0	495-1173-ND	1.61	12.11	90.85	B32522C335J
160	0.001	±5%	2.5	6.5	7.2	5.0	495-1174-ND	.17	1.33	8.96	B32529C102J
	0.0015	±5%	2.5	6.5	7.2	5.0	495-1175-ND	.17	1.33	8.96	B32529C152J
	0.0022	±5%	2.5	6.5	7.2	5.0	495-1176-ND	.17	1.33	8.96	B32529C222J
	0.0033	±5%	2.5	6.5	7.2	5.0	495-1177-ND	.17	1.33	8.96	B32529C332J

WV (DC)	WV (AC)	Cap (µF)	Toler-ance	Dimensions (mm) b	h	L	e	Digi-Key Part No.	Pricing 1	10	100	Epcos Part No.
250	160	0.0047	±5%	2.5	6.5	7.2	5.0	495-1178-ND	.17	1.33	8.96	B32529C3472J
		0.0068	±5%	2.5	6.5	7.2	5.0	495-1179-ND	.17	1.33	8.96	B32529C3682J
		0.01	±5%	2.5	6.5	7.2	5.0	495-1180-ND	.17	1.33	8.96	B32529C3103J
		0.015	±5%	2.5	7.0	10.0	7.5	495-1181-ND	.23	1.75	11.81	B32520C3153J
		0.015	±5%	2.5	6.5	7.2	5.0	495-1182-ND	.17	1.33	8.96	B32529C3153J
		0.022	±5%	2.5	7.0	10.0	7.5	495-1184-ND	.23	1.75	11.81	B32520C3223J
		0.022	±5%	2.5	6.5	7.2	5.0	495-1183-ND	.17	1.33	8.96	B32529C3223J
		0.033	±5%	2.5	7.0	10.0	7.5	495-1186-ND	.22	1.49	10.48	B32520C3333J
		0.033	±5%	4.0	7.0	13.0	10.0	495-1185-ND	.24	1.66	11.72	B32521C3333J
		0.033	±5%	3.0	6.5	7.2	5.0	495-1187-ND	.24	1.80	12.15	B32529C3333J
		0.047	±5%	2.5	7.0	10.0	7.5	495-1188-ND	.23	1.55	10.92	B32520C3473J
		0.047	±5%	4.0	7.0	13.0	10.0	495-1189-ND	.26	1.76	12.40	B32521C3473J
		0.047	±5%	3.5	8.0	7.2	5.0	495-1190-ND	.25	1.89	12.74	B32529C3473J
		0.068	±5%	3.0	8.0	10.0	7.5	495-1191-ND	.26	1.79	12.62	B32520C3683J
		0.068	±5%	4.0	7.0	13.0	10.0	495-1193-ND	.28	1.91	13.48	B32521C3683J
		0.068	±5%	4.5	9.5	7.3	5.0	495-1192-ND	.25	1.87	11.80	B32529C3683J
		0.10	±5%	4.0	8.5	10.0	7.5	495-1197-ND	.27	1.85	13.04	B32520C3104J
		0.10	±5%	4.0	7.0	13.0	10.0	495-1194-ND	.29	1.97	13.92	B32521C3104J
		0.10	±5%	5.0	10.5	18.0	15.0	495-1195-ND	.39	2.86	20.43	B32522C3104J
		0.10	±5%	4.5	9.5	7.3	5.0	495-1196-ND	.28	1.89	13.31	B32529C3104J
		0.15	±5%	5.0	10.5	10.0	7.5	495-1199-ND	.38	2.55	17.96	B32520C3154J
		0.15	±5%	4.0	9.0	13.0	10.0	495-1201-ND	.39	2.67	18.81	B32521C3154J
		0.15	±5%	5.0	10.5	18.0	15.0	495-1198-ND	.41	3.05	21.78	B32522C3154J
		0.15	±5%	5.0	10.0	7.5	5.0	495-1200-ND	.40	2.69	19.00	B32529C3154J
		0.22	±5%	5.0	11.0	13.0	10.0	495-1203-ND	.36	2.67	19.08	B32521C3224J
		0.22	±5%	5.0	10.5	18.0	15.0	495-1202-ND	.42	3.08	21.96	B32522C3224J
		0.22	±5%	7.8	13.0	7.8	5.0	495-1204-ND	.44	3.23	23.10	B32529D3224J
		0.33	±5%	5.0	11.0	13.0	10.0	495-1206-ND	.45	3.34	23.83	B32521C3334J
		0.33	±5%	5.0	10.5	18.0	15.0	495-1205-ND	.46	3.37	24.10	B32522C3334J
		0.47	±5%	5.0	12.0	13.0	10.0	495-1208-ND	.57	4.22	30.15	B32521C3474J
		0.47	±5%	6.0	11.0	18.0	15.0	495-1207-ND	.57	4.22	30.15	B32522C3474J
		0.68	±5%	7.0	12.5	18.0	15.0	495-1209-ND	.65	4.83	35.46	B32522C3684J
		1.0	±5%	8.5	14.5	18.0	15.0	495-1210-ND	.74	5.48	40.21	B32522C3105J
		1.0	±5%	8.5	14.5	18.0	15.0	495-1211-ND	.61	4.55	33.44	B32522N3105J
400	200	0.001	±5%	2.5	7.0	10.0	7.5	495-1212-ND	.23	1.75	11.81	B32520C6102J
		0.001	±5%	2.5	6.5	7.2	5.0	495-1213-ND	.19	1.46	9.83	B32529C6102J
		0.0015	±5%	2.5	7.0	10.0	7.5	495-1215-ND	.23	1.75	11.81	B32520C6152J
		0.0015	±5%	2.5	6.5	7.2	5.0	495-1214-ND	.19	1.46	9.83	B32529C6152J
		0.0022	±5%	2.5	7.0	10.0	7.5	495-1216-ND	.23	1.75	11.81	B32520C6222J
		0.0022	±5%	2.5	6.5	7.2	5.0	495-1217-ND	.19	1.46	9.83	B32529C6222J
		0.0033	±5%	2.5	7.0	10.0	7.5	495-1218-ND	.23	1.75	11.81	B32520C6332J
		0.0033	±5%	2.5	6.5	7.2	5.0	495-1219-ND	.19	1.46	9.83	B32529C6332J
		0.0047	±5%	2.5	7.0	10.0	7.5	495-1221-ND	.23	1.75	11.81	B32520C6472J
		0.0047	±5%	2.5	6.5	7.2	5.0	495-1220-ND	.19	1.46	9.83	B32529C6472J
		0.0068	±5%	2.5	7.0	10.0	7.5	495-1222-ND	.23	1.75	11.81	B32520C6682J
		0.0068	±5%	2.5	6.5	7.2	5.0	495-1223-ND	.19	1.46	9.83	B32529C6682J
		0.010	±5%	2.5	7.0	10.0	7.5	495-1226-ND	.23	1.75	11.81	B32520C6103J
		0.01	±5%	4.0	7.0	13.0	10.0	495-1225-ND	.28	1.91	13.48	B32521C6103J
		0.01	±5%	3.0	6.5	7.2	5.0	495-1224-ND	.25	1.89	12.74	B32529C6103J
		0.015	±5%	3.0	8.0	10.0	7.5	495-1227-ND	.25	1.67	11.77	B32520C6153J
		0.015	±5%	4.0	7.0	13.0	10.0	495-1229-ND	.32	2.15	15.18	B32521C6153J
		0.015	±5%	3.5	8.0	7.2	5.0	495-1228-ND	.26	1.97	13.30	B32529C6153J
		0.022	±5%	4.0	8.5	10.0	7.5	495-1232-ND	.25	1.70	11.99	B32520C6223J
		0.022	±5%	4.0	7.0	13.0	10.0	495-1230-ND	.32	2.15	15.18	B32521C6223J
		0.022	±5%	4.5	9.5	7.3	5.0	495-1231-ND	.28	1.89	13.35	B32529C6223J
		0.033	±5%	5.0	10.5	10.0	7.5	495-1233-ND	.32	2.15	15.18	B32520C6333J
		0.033	±5%	4.0	9.0	13.0	10.0	495-1234-ND	.33	2.22	15.62	B32521C6333J
		0.033	±5%	5.0	10.5	7.5	5.0	495-1235-ND	.34	2.29	16.17	B32529B6333J
		0.047	±5%	5.0	10.5	10.0	7.5	495-1238-ND	.36	2.43	17.11	B32520C6473J
		0.047	±5%	5.0	11.0	13.0	10.0	495-1239-ND	.31	2.29	16.33	B32521C6473J
		0.047	±5%	5.0	10.5	18.0	15.0	495-1236-ND	.44	3.22	23.00	B32522C6473J
		0.047	±5%	6.0	10.5	7.5	5.0	495-1237-ND	.39	2.66	18.73	B32529B6473J
		0.068	±5%	6.0	12.0	10.3	7.5	495-1240-ND	.43	2.94	20.74	B32520C6683J
		0.068	±5%	5.0	11.0	13.0	10.0	495-1242-ND	.37	2.70	19.25	B32521C6683J
		0.068	±5%	5.0	10.5	18.0	15.0	495-1241-ND	.45	3.32	23.73	B32522C6683J
		0.10	±5%	6.0	12.0	13.0	10.0	495-1243-ND	.42	3.13	22.35	B32521C6104J
		0.10	±5%	5.0	10.5	18.0	15.0	495-1244-ND	.47	3.43	24.50	B32522C6104J
		0.10	±5%	5.0	10.5	18.0	15.0	495-1245-ND	.37	2.72	19.45	B32522N6104J
		0.10	±5%	7.8	13.0	7.8	5.0	495-1246-ND	.54	3.99	28.48	B32529D6104J
		0.15	±5%	6.0	11.0	18.0	15.0	495-1247-ND	.50	3.68	26.25	B32522C6154J
		0.15	±5%	5.0	10.5	18.0	15.0	495-1248-ND	.41	3.05	21.78	B32522N6154J
		0.22	±5%	7.0	12.5	18.0	15.0	495-1249-ND	.54	3.98	28.40	B32522C6224J
		0.22	±5%	6.0	11.0	18.0	15.0	495-1250-ND	.49	3.59	25.68	B32522N6224J
		0.33	±5%	8.5	14.5	18.0	15.0	495-1251-ND	.59	4.35	31.10	B32522C6334J
		0.47	±5%	8.5	14.5	18.0	15.0	495-1253-ND	.77	5.75	42.23	B32522N6474J
		0.68	±5%	9.0	17.5	18.0	15.0	495-1254-ND	.91	6.70	47.83	B32522N6684J
450	200	0.33	±5%	8.5	14.5	18.0	15.0	495-1252-ND	.57	4.19	29.95	B32522N6334J
630		0.0068	±5%	4.0	9.0	13.0	10.0	495-1260-ND	.47	3.43	24.50	B32521N8682J
		0.01	±5%	4.0	9.0	13.0	10.0	495-1261-ND	.48	3.54	25.28	B32521N8103J
		0.015	±5%	5.0	11.0	13.0	10.0	495-1263-ND	.48	3.54	25.28	B32521N8153J
		0.022	±5%	5.0	11.0	13.0	10.0	495-1264-ND	.49	3.59	25.68	B32521N8223J
	200	0.033	±5%	6.0	12.0	13.0	10.0	495-1265-ND	.50	3.70	26.45	B32521N8333J
		0.033	±5%	5.0	10.5	18.0	15.0	495-1266-ND	.50	3.70	26.45	B32522C8333J
		0.047	±5%	5.0	10.5	18.0	15.0	495-1267-ND	.50	3.70	26.45	B32522C8473J
		0.068	±5%	6.0	11.0	18.0	15.0	495-1268-ND	.63	4.67	32.80	B32522C8683J
		0.10	±5%	7.0	12.5	18.0	15.0	495-1269-ND	.52	3.86	27.60	B32522C8104J
		0.001	±5%	2.5	6.5	7.2	5.0	495-1255-ND	.31	2.07	14.63	B32529C8102J
		0.0022	±5%	2.5	6.5	7.2	5.0	495-1256-ND	.31	2.07	14.63	B32529C8222J
	400	0.0033	±5%	3.5	8.0	7.2	5.0	495-1257-ND	.33	2.22	15.68	B32529C8332J
		0.0047	±5%	3.5	8.0	7.2	5.0	495-1258-ND	.29	1.93	13.64	B32529C8472J
		0.0068	±5%	3.5	8.0	7.2	5.0	495-1259-ND	.34	2.29	16.17	B32529C8682J
		0.01	±5%	5.0	10.0	7.5	5.0	495-1262-ND	.39	2.66	18.73	B32529C8103J

Panasonic ECQ-E(B) Series Miniaturized Metallized Polyester Film Capacitors



The type ECQ-E(B) series is a downsized version of the popular ECQ-E(F) series. It provides similar electrical characteristics in a smaller package.

Features:
• Noninductive construction • Wound metallized polyester dielectric

Applications:
• Blocking, bypassing, filtering, timing, interference suppression and low pulse applications

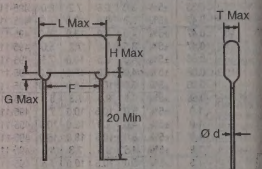
Specifications:
• Operating temperature range: -40°C ~ 85°C • Rated voltage: 250VDC • Capacitance tolerance: ±10%(K) @ 1kHZ • Dissipation factor: ≤1.0% (20°C 1kHz) • Withstand voltage: 250VDC X 150% for 60 seconds between terminals • Insulation resistance: ≥9,000MΩ (C-≤-0.33μF) @ 100VDC, 20° for 60 seconds ≥3,000MΩ · μF (C->-0.33μF) @ 100VDC, 20° for 60 seconds

Voltage (VDC)	Cap. (μF)	Dimensions (mm) L	T	H	F	G	ød	Digi-Key Part No.	Pricing 1	10	100	500	1,000	Panasonic Part No.
250	0.01	7.9	4.2	7.1	5.0	1.0	0.5	P10955-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2103KB
	0.012	7.9	4.2	7.1	5.0	1.0	0.5	P10956-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2123KB
	0.015	7.9	4.2	7.1	5.0	1.0	0.5	P10957-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2153KB
	0.018	7.9	4.3	7.2	5.0	1.0	0.5	P10958-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2183KB
	0.022	7.9	4.3	7.2	5.0	1.0	0.5	P10959-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2223KB
	0.027	7.9	4.3	7.2	5.0	1.0	0.5	P10960-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2273KB
	0.033	7.9	4.3	7.2	5.0	1.0	0.5	P10961-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2333KB
	0.039	7.9	4.5	7.4	5.0	1.0	0.5	P10962-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2393KB
	0.047	7.9	4.5	7.4	5.0	1.0	0.5	P10963-ND	.25	1.68	11.88	41.04	65.00	ECQ-E2473KB
	0.056	7.9	4.7	7.7	5.0	1.0	0.5	P10964-ND	.30	2.06	14.52	50.16	79.00	ECQ-E2563KB
	0.068	7.9	5.1	8.0	5.0	1.0	0.5	P10965-ND	.25	1.85	13.20	47.52	74.00	ECQ-E2683KB
	0.082	7.9	5.4	8.6	5.0	1.0	0.5	P10966-ND	.27	2.02	14.40	51.84	81.00	ECQ-E2823KB
	0.1	7.9	5.9	9.0	5.0	1.0	0.5	P10967-ND	.30	2.02	14.27	49.31	78.00	ECQ-E2104KB
	0.12	7.9	5.7	10.6	5.0	1.0	0.5	P10968-ND	.32	2.35	16.80	60.48	94.00	ECQ-E2124KB
	0.15	7.9	6.3	11.2	5.0	1.0	0.5	P10969-ND	.34	2.49	17.78	63.99	100.00	ECQ-E2154KB
	0.18	10.3	5.0	9.7	7.5	1.0	0.5	P10970-ND	.36	2.62	18.73	67.41	105.00	ECQ-E2184KB
	0.22	10.3	5.4	10.1	7.5	1.0	0.5	P10971-ND	.37	2.72	19.45	70.02	109.00	ECQ-E2224KB
	0.27	10.3	5.9	10.8	7.5	1.0	0.5	P10972-ND	.43	3.19	22.80	82.08	128.00	ECQ-E2274KB
	0.33	10.3	6.4	11.3	7.5	1.0	0.5	P10973-ND	.47	3.46	24.73	89.01	138.00	ECQ-E2334KB
	0.39	12.3	5.7	10.9	10.0	1.0	0.6	P10974-ND	.46	3.44	25.29	91.46	145.00	ECQ-E2394KB
	0.47	12.3	6.2	11.4	10.0	1.0	0.6	P10975-ND	.42	3.14	23.03	83.30	132.00	ECQ-E2474KB
	0.56	12.3	6.7	11.9	10.0	1.0	0.6	P10976-ND	.54	4.03	29.56	106.93	170.00	ECQ-E2564KB
	0.68	12.3	7.3	12.7	10.0	1.0	0.6	P10977-ND	.59	4.43	32.50	117.56	187.00	ECQ-E2684KB
	0.82	15.3	6.3	13.3	12.5	1.0	0.6	P10978-ND	.66	4.92	36.10	130.56	207.00	ECQ-E2824KB
	1.0	15.3	7.0	14.0	12.5	1.0	0.6	P10979-ND	.53	3.93	28.88	104.47	166.00	ECQ-E2105KB
	1.2	15.3	7.6	14.6	12.5	1.0	0.6	P10980-ND	.78	5.81	42.65	154.28	245.00	ECQ-E2125KB
	1.5	15.3	8.6	15.7	12.5	1.0	0.6	P10981-ND	.91	6.83	51.21	182.08	303.00	ECQ-E2155KB
	1.8	20.8	7.6	14.6	17.5	1.0	0.8	P10982-ND	1.00	7.52	56.39	200.48	333.00	ECQ-E2185KB
	2.2	20.8	8.4	15.6	17.5	1.0	0.8	P10983-ND	1.10	8.27	62.01	220.48	367.00	ECQ-E2225KB
	2.7	20.8	9.3	16.7	17.5	1.0	0.8	P10984-ND	1.24	9.33	70.00	248.88	414.00	ECQ-E2275KB
	3.3	20.8	10.5	17.9	17.5	1.0	0.8	P10985-ND	1.51	11.29	84.69	301.12	501.00	ECQ-E2335KB
	3.9	20.8	10.8	19.8	17.5	1.0	0.8	P10986-ND	2.13	16.10	121.54	455.78	790.00	ECQ-E2395KB
	4.7	20.8	11.9	21.0	17.5	1.0	0.8	P10987-ND	2.36	17.88	134.98	506.18	877.00	ECQ-E2475KB

Panasonic ECQ-E(F) Series

F

Miniaturized Metallized Polyester Film Capacitors



The type ECQ-E(F) series uses a dual side metallized polyester film with high dielectric constant(e) which makes it possible to produce large C-values in small dimensions and is an economical capacitor meeting high requirements for professional circuit design.

Features: • Self-healing property • Flame retardant epoxy resin coating

Applications: • Blocking • Bypassing • Filtering • Timing • Interference suppression • Low pulse applications

Specifications: • Reference standard: JIS C5115, C5151 • Operating temperature range: -40°C ~ 85°C (105°C, 75% of Rated voltage) • Rated voltage: 100V, 250V, 400V, 630V • Capacitance tolerance: ±10% (K) • Dissipation factor: 1.0% max. (20°C 1kHz) • Withstand voltage: Rated voltage DC100V ~ 630V (VDC) X 150% 1 minute between terminals • Insulation resistance: DC100V ~ 630V: C ≤ 0.33μF 9,000MΩ min., C->-0.33μF 3,000ΩVμF min.

Working Voltage (VDC)	Capacitance (μF)	Dimensions (mm) L	T	H	F	G	ød	Digi-Key Part No.	Pricing 1	10	100	500	1,000	Panasonic Part No.
100	.01	7.8	4.6	7.7	5.0	1.0	0.5	EF1103-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1103KF
	.012	7.8	4.5	7.6	5.0	1.0	0.5	EF1123-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1123KF
	.015	7.8	4.5	7.6	5.0	1.0	0.5	EF1153-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1153KF
	.018	7.8	4.6	7.7	5.0	1.0	0.5	EF1183-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1183KF
	.022	7.8	4.9	8.0	5.0	1.0	0.5	EF1223-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1223KF
	.027	7.8	4.7	7.8	5.0	1.0	0.5	EF1273-ND	.42	3.12	22.25	80.10	125.00	ECQ-E1273KF
	.033	7.8	4.6	7.7	5.0	1.0	0.5	EF1333-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1333KF
	.039	7.8	4.9	8.0	5.0	1.0	0.5	EF1393-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1393KF
	.047	7.8	4.5	7.5	5.0	1.0	0.5	EF1473-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1473KF
	.056	7.8	4.8	7.9	5.0	1.0	0.5	EF1563-ND	.42	3.12	22.25	80.10	125.00	ECQ-E1563KF
	.068	7.8	4.8	7.9	5.0	1.0	0.5	EF1683-ND	.42	3.12	22.25	80.10	125.00	ECQ-E1683KF
	.082	7.8	4.7	9.9	5.0	1.0	0.5	EF1823-ND	.42	3.12	22.25	80.10	125.00	ECQ-E1823KF
	.1	7.8	5.0	10.0	5.0	1.0	0.5	EF1104-ND	.42	3.12	22.25	80.10	124.60	ECQ-E1104KF
	.12	10.3	4.5	7.5	7.5	1.0	0.6	EF1124-ND	.45	3.29	23.50	84.60	131.60	ECQ-E1124KF
	.15	10.3	4.5	7.5	7.5	1.0	0.6	EF1154-ND	.46	3.36	24.00	86.40	134.40	ECQ-E1154KF
	.18	10.3	4.8	7.9	7.5	1.0	0.6	EF1184-ND	.49	3.64	26.00	93.60	145.60	ECQ-E1184KF
	.22	10.3	5.0	8.0	7.5	1.0	0.6	EF1224-ND	.52	3.85	27.50	99.00	154.00	ECQ-E1224KF
	.27	10.3	4.5	12.0	7.5	1.0	0.6	EF1274-ND	.57	4.20	30.00	108.00	168.00	ECQ-E1274KF
	.33	10.3	6.0	10.7	7.5	1.0	0.6	EF1334-ND	.65	4.76	34.00	122.40	190.40	ECQ-E1334KF
	.39	10.3	6.3	11.0	7.5	1.0	0.6	EF1394-ND	.67	4.90	35.00	126.00	196.00	ECQ-E1394KF
	.47	10.3	6.0	12.0	7.5	1.0	0.6	EF1474-ND	.69	5.11	36.50	131.40	204.40	ECQ-E1474KF
	.56	12.0	5.5	10.9	10.0	1.0	0.6	EF1564-ND	.73	5.44	39.95	144.50	230.00	ECQ-E1564KF
	.68	12.0	6.0	11.9	10.0	1.0	0.6	EF1684-ND	.83	6.18	45.36	164.05	261.00	ECQ-E1684KF
	.82	12.0	6.0	13.5	10.0	1.0	0.6	EF1824-ND	.91	6.75	49.59	179.35	285.00	ECQ-E1824KF
	1.0	12.0	6.7	14.0	10.0	1.0	0.6	EF1105-ND	.99	7.36	54.05	195.50	310.50	ECQ-E1105KF
	1.2	18.5	5.5	12.8	15.0	1.0	0.6	EF1125-ND	1.14	8.51	62.51	226.10	359.10	ECQ-E1125KF
	1.5	18.5	6.0	13.4	15.0	1.0	0.8	EF1155-ND	1.14	8.59	64.40	228.96	380.65	ECQ-E1155KF
	1.8	18.5	6.5	14.4	15.0	1.0	0.8	EF1185-ND	1.38	10.32	77.40	275.20	457.52	ECQ-E1185KF
	2.2	18.5	7.0	15.0	15.0	1.0	0.8	EF1225-ND	1.56	11.70	87.75	312.00	518.70	ECQ-E1225KF
	2.7	18.5	8.0	15.8	15.0	1.0	0.8	EF1275-ND	1.78	13.32	99.90	355.20	590.52	ECQ-E1275KF
	3.3	18.5	8.5	16.5	15.0	1.0	0.8	EF1335-ND	2.26	16.92	126.90	451.20	750.12	ECQ-E1335KF
	3.9	26.0	7.0	16.4	22.5	1.0	0.8	EF1395-ND	2.24	16.99	128.20	480.75	833.30	ECQ-E1395KF
	4.7	26.0	7.5	17.0	22.5	1.0	0.8	EF1475-ND	2.53	19.19	144.80	543.00	941.20	ECQ-E1475KF
	5.6	26.0	8.3	17.5	22.5	1.0	0.8	EF1565-ND	3.01	22.76	171.80	644.25	1117.00	ECQ-E1565KF
	6.8	26.0	9.0	18.5	22.5	1.0	0.8	EF1685-ND	3.42	25.86	195.20	732.00	1269.00	ECQ-E1685KF
	8.2	26.0	10.0	20.0	22.5	1.5	0.8	EF1825-ND	3.94	29.81	225.00	843.75	1463.00	ECQ-E1825KF
	10.0	26.0	11.5	21.0	22.5	1.5	0.8	EF1106-ND	4.58	34.69	261.80	981.75	1701.70	ECQ-E1106KF
250	.01	10.3	4.3	7.4	7.5	1.0	0.6	EF2103-ND	.23	1.71	12.23	44.01	68.00	ECQ-E2103KF
	.012	10.3	4.4	7.5	7.5	1.0	0.6	EF2123-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2123KF
	.015	10.3	4.4	7.5	7.5	1.0	0.6	EF2153-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2153KF
	.018	10.3	4.4	7.5	7.5	1.0	0.6	EF2183-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2183KF
	.022	10.3	4.4	7.5	7.5	1.0	0.6	EF2223-ND	.23	1.71	12.23	44.01	68.00	ECQ-E2223KF
	.027	10.3	4.4	7.5	7.5	1.0	0.6	EF2273-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2273KF
	.033	10.3	4.5	7.5	7.5	1.0	0.6	EF2333-ND	.23	1.71	12.23	44.01	68.00	ECQ-E2333KF
	.039	10.3	4.5	7.5	7.5	1.0	0.6	EF2393-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2393KF
	.047	10.3	4.5	7.5	7.5	1.0	0.6	EF2473-ND	.28	1.91	13.45	46.46	73.00	ECQ-E2473KF
	.056	10.3	4.8	7.9	7.5	1.0	0.6	EF2563-ND	.33	2.23	15.73	54.34	86.00	ECQ-E2563KF
	.068	10.3	4.5	7.5	7.5	1.0	0.6	EF2683-ND	.29	2.15	15.35	55.26	86.00	ECQ-E2683KF
	.082	10.3	4.9	8.0	7.5	1.0	0.6	EF2823-ND	.25	1.86	13.28	47.79	74.00	ECQ-E2823KF
	.1	10.3	5.8	8.4	7.5	1.0	0.6	EF2104-ND	.31	2.07	14.60	50.45	80.00	ECQ-E2104KF
	.12	10.3	6.0	9.0	7.5	1.0	0.6	EF2124-ND	.30	2.18	15.60	56.16	87.00	ECQ-E2124KF

(Continu

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orking oltage VDC)	Capaci-tance (µF)	Dimensions (mm) L	T	H	F	G	ød	Digi-Key Part No.	1	10	Pricing 100	500	1,000	Panasonic Part No.
	.15	10.3	6.0	10.8	7.5	1.0	0.6	EF2154-ND	.32	2.33	16.65	59.94	93.00	ECQ-E2154KF
	.18	12.0	5.0	10.3	10.0	1.0	0.6	EF2184-ND	.38	2.80	20.03	72.09	112.00	ECQ-E2184KF
	.22	12.0	5.5	10.5	10.0	1.0	0.6	EF2224-ND	.40	2.91	20.80	74.88	116.00	ECQ-E2224KF
	.27	12.0	6.0	11.5	10.0	1.0	0.6	EF2274-ND	.43	3.17	22.63	81.45	127.00	ECQ-E2274KF
	.33	12.0	6.5	12.0	10.0	1.0	0.6	EF2334-ND	.40	3.00	22.00	79.56	126.00	ECQ-E2334KF
	.39	18.5	4.9	12.0	15.0	1.0	0.6	EF2394-ND	.51	3.83	28.11	101.66	161.00	ECQ-E2394KF
	.47	18.5	5.3	12.5	15.0	1.0	0.6	EF2474-ND	.51	3.83	28.11	101.66	161.00	ECQ-E2474KF
	.56	18.5	5.5	13.0	15.0	1.0	0.6	EF2564-ND	.53	3.93	28.86	104.38	166.00	ECQ-E2564KF
	.68	18.5	6.0	13.5	15.0	1.0	0.8	EF2684-ND	.54	3.99	29.33	106.08	168.00	ECQ-E2684KF
	.82	18.5	6.5	14.5	15.0	1.0	0.8	EF2824-ND	.56	4.16	30.55	110.50	176.00	ECQ-E2824KF
	1.0	18.5	7.4	15.0	15.0	1.0	0.8	EF2105-ND	.58	4.33	31.77	114.92	183.00	ECQ-E2105KF
250	1.2	18.5	8.0	15.9	15.0	1.0	0.8	EF2125-ND	.72	5.32	39.10	141.44	225.00	ECQ-E2125KF
	1.5	18.5	9.0	16.8	15.0	1.0	0.8	EF2155-ND	.75	5.62	42.12	149.76	249.00	ECQ-E2155KF
	1.8	26.0	7.5	15.5	22.5	1.0	0.8	EF2185-ND	.96	7.18	53.82	191.36	316.00	ECQ-E2185KF
	2.2	26.0	8.5	16.3	22.5	1.0	0.8	EF2225-ND	.92	6.86	51.48	183.04	304.00	ECQ-E2225KF
	2.7	26.0	9.4	17.0	22.5	1.0	0.8	EF2275-ND	1.17	8.80	65.99	234.64	390.00	ECQ-E2275KF
	3.3	26.0	10.3	18.0	22.5	1.5	0.8	EF2335-ND	1.19	8.89	66.69	237.12	394.00	ECQ-E2335KF
	3.9	26.0	11.0	20.5	22.5	1.5	0.8	EF2395-ND	1.14	8.60	64.90	243.38	422.00	ECQ-E2395KF
	4.7	26.0	12.0	21.5	22.5	1.5	0.8	EF2475-ND	1.27	9.65	72.80	273.00	473.00	ECQ-E2475KF
	5.6	31.0	11.8	21.0	27.5	1.5	0.8	EF2565-ND	2.18	16.51	124.60	467.25	810.00	ECQ-E2565KF
	6.8	31.0	13.0	22.4	27.5	1.5	0.8	EF2685-ND	2.32	17.56	132.50	496.88	861.00	ECQ-E2685KF
	8.2	31.0	14.3	23.5	27.5	1.5	0.8	EF2825-ND	2.50	18.96	143.12	536.70	930.00	ECQ-E2825KF
	10.0	31.0	15.9	25.8	27.5	1.5	0.8	EF2106-ND	4.48	33.90	255.84	959.40	1663.00	ECQ-E2105KF
	.01	10.3	4.3	7.4	7.5	1.0	0.6	EF4103-ND	.27	1.97	14.05	50.58	79.00	ECQ-E4103KF
	.012	10.3	4.4	7.5	7.5	1.0	0.6	EF4123-ND	.27	1.97	14.05	50.58	79.00	ECQ-E4123KF
	.015	10.3	4.4	7.5	7.5	1.0	0.6	EF4153-ND	.27	1.97	14.05	50.58	79.00	ECQ-E4153KF
	.018	10.3	4.4	7.5	7.5	1.0	0.6	EF4183-ND	.27	1.97	14.05	50.58	79.00	ECQ-E4183KF
	.022	10.3	4.8	7.9	7.5	1.0	0.6	EF4223-ND	.48	3.50	25.00	90.00	140.00	ECQ-E4223KF
	.027	10.3	5.5	8.0	7.5	1.0	0.6	EF4273-ND	.48	3.50	25.00	90.00	140.00	ECQ-E4273KF
	.033	10.3	6.0	9.0	7.5	1.0	0.6	EF4333-ND	.48	3.50	25.00	90.00	140.00	ECQ-E4333KF
	.039	12.0	4.9	8.0	10.0	1.0	0.6	EF4393-ND	.40	2.94	21.00	75.60	118.00	ECQ-E4393KF
	.047	12.0	5.0	8.3	10.0	1.0	0.6	EF4473-ND	.48	3.50	25.00	90.00	140.00	ECQ-E4473KF
	.056	12.0	5.0	10.0	10.0	1.0	0.6	EF4563-ND	.49	3.61	25.75	92.70	144.00	ECQ-E4563KF
	.068	12.0	5.4	10.5	10.0	1.0	0.6	EF4683-ND	.55	4.08	29.13	104.85	163.00	ECQ-E4683KF
	.082	12.0	5.8	11.0	10.0	1.0	0.6	EF4823-ND	.51	3.75	26.80	96.48	150.00	ECQ-E4823KF
	.1	12.0	6.3	12.0	10.0	1.0	0.6	EF4104-ND	.53	3.92	28.00	100.80	157.00	ECQ-E4104KF
	.12	18.5	5.0	10.0	15.0	1.0	0.6	EF4124-ND	.55	4.06	29.82	107.87	171.00	ECQ-E4124KF
400	.15	18.5	5.0	12.4	15.0	1.0	0.6	EF4154-ND	.56	4.20	30.81	111.44	177.00	ECQ-E4154KF
	.18	18.5	5.4	12.5	15.0	1.0	0.6	EF4184-ND	.60	4.46	32.76	118.49	188.00	ECQ-E4184KF
	.22	18.5	5.9	13.0	15.0	1.0	0.6	EF4224-ND	.70	5.23	38.38	138.81	220.00	ECQ-E4224KF
	.27	18.5	6.5	14.3	15.0	1.0	0.8	EF4274-ND	.71	5.26	38.63	139.74	222.00	ECQ-E4274KF
	.33	18.5	7.0	14.9	15.0	1.0	0.8	EF4334-ND	.76	5.66	41.55	150.28	239.00	ECQ-E4334KF
	.39	18.5	7.5	15.4	15.0	1.0	0.8	EF4394-ND	.83	6.16	45.21	163.54	260.00	ECQ-E4394KF
	.47	18.5	7.8	17.0	15.0	1.0	0.8	EF4474-ND	.95	7.06	51.82	187.43	298.00	ECQ-E4474KF
	.56	26.0	6.5	16.0	22.5	1.0	0.8	EF4564-ND	.96	7.18	53.82	191.36	318.00	ECQ-E4564KF
	.68	26.0	7.0	16.5	22.5	1.0	0.8	EF4684-ND	.77	5.77	43.29	153.92	256.00	ECQ-E4684KF
	.82	26.0	7.9	17.3	22.5	1.0	0.8	EF4824-ND	1.10	8.27	62.01	220.48	367.00	ECQ-E4824KF
	1.0	26.0	8.5	18.9	22.5	1.0	0.8	EF4105-ND	1.17	8.77	65.77	233.84	389.00	ECQ-E4105KF
	1.2	26.0	9.5	18.9	22.5	1.0	0.8	EF4125-ND	1.77	13.39	101.08	379.05	657.00	ECQ-E4125KF
	1.5	31.0	9.5	19.0	27.5	1.0	0.8	EF4155-ND	2.28	17.23	130.00	487.50	845.00	ECQ-E4155KF
	1.8	31.0	11.0	20.5	27.5	1.5	0.8	EF4185-ND	2.28	17.23	130.00	487.50	845.00	ECQ-E4185KF
	2.2	31.0	11.0	22.0	27.5	1.5	0.8	EF4225-ND	2.94	22.23	167.78	629.18	1091.00	ECQ-E4225KF
	.01	12.0	4.5	7.5	10.0	1.0	0.6	EF6103-ND	.32	2.37	16.90	60.84	95.00	ECQ-E6103KF
	.012	12.0	4.5	7.8	10.0	1.0	0.6	EF6123-ND	.40	2.95	21.08	75.87	118.00	ECQ-E6123KF
	.015	12.0	5.0	8.2	10.0	1.0	0.6	EF6153-ND	.44	3.28	23.40	84.24	131.00	ECQ-E6153KF
	.018	12.0	4.9	10.0	10.0	1.0	0.6	EF6183-ND	.45	3.35	23.93	86.13	134.00	ECQ-E6183KF
	.022	12.0	5.3	10.5	10.0	1.0	0.6	EF6223-ND	.46	3.42	24.45	88.02	137.00	ECQ-E6223KF
	.027	12.0	5.5	10.9	10.0	1.0	0.6	EF6273-ND	.47	3.46	24.70	88.92	138.00	ECQ-E6273KF
	.033	12.0	6.0	11.9	10.0	1.0	0.6	EF6333-ND	.49	3.59	25.68	92.43	144.00	ECQ-E6333KF
	.039	12.0	6.0	13.4	10.0	1.0	0.6	EF6393-ND	.48	3.53	25.23	90.81	141.00	ECQ-E6393KF
	.047	12.0	6.5	13.5	10.0	1.0	0.6	EF6473-ND	.48	3.53	25.23	90.81	141.00	ECQ-E6473KF
	.056	18.5	5.4	10.5	15.0	1.0	0.6	EF6563-ND	.48	3.60	26.41	95.54	152.00	ECQ-E6563KF
	.068	18.5	5.8	11.0	15.0	1.0	0.6	EF6683-ND	.50	3.73	27.38	99.03	157.00	ECQ-E6683KF
	.082	18.5	6.5	12.0	15.0	1.0	0.6	EF6823-ND	.51	3.83	28.11	101.66	161.00	ECQ-E6823KF
	.1	18.5	6.3	14.0	15.0	1.0	0.6	EF6104-ND	.55	4.13	30.32	109.65	174.00	ECQ-E6104KF
	.12	18.5	6.3	14.5	15.0	1.0	0.8	EF6124-ND	.58	4.29	31.54	114.07	181.00	ECQ-E6124KF
	.15	18.5	7.5	15.4	15.0	1.0	0.8	EF6154-ND	.60	4.49	32.99	119.34	190.00	ECQ-E6154KF
630	.18	18.5	8.0	16.0	15.0	1.0	0.8	EF6184-ND	.84	6.22	45.71	165.33	263.00	ECQ-E6184KF
	.22	18.5	9.0	16.5	15.0	1.0	0.8	EF6224-ND	.89	6.66	48.88	176.80	281.00	ECQ-E6224KF
	.27	26.0	7.0	16.5	22.5	1.0	0.8	EF6274-ND	.85	6.40	47.97	170.56	284.00	ECQ-E6274KF
	.33	26.0	7.8	17.0	22.5	1.0	0.8	EF6334-ND	.87	6.55	49.14	174.72	290.00	ECQ-E6334KF
	.39	26.0	8.5	17.9	22.5	1.0	0.8	EF6394-ND	1.09	8.18	61.31	218.00	362.00	ECQ-E6394KF
	.47	26.0	9.3	18.5	22.5	1.0	0.8	EF6474-ND	1.23	9.24	69.28	246.32	410.00	ECQ-E6474KF
	.56	26.0	10.0	20.0	22.5	1.5	0.8	EF6564-ND	1.29	9.67	72.54	257.92	429.00	ECQ-E6564KF
	.68	26.0	11.5	21.0	22.5	1.5	0.8	EF6684-ND	1.20	9.09	68.64	257.40	446.00	ECQ-E6684KF
	.82	31.0	11.3	20.5	27.5	1.5	0.8	EF6824-ND	1.74	13.15	99.22	372.08	645.00	ECQ-E6824KF
	1.0	31.0	12.5	21.9	27.5	1.5	0.8	EF6105-ND	1.82	13.78	104.00	390.00	676.00	ECQ-E6105KF
	1.2	31.0	13.5	23.0	27.5	1.5	0.8	EF6125-ND	1.84	13.92	105.04	393.90	683.00	ECQ-E6125KF
	1.5	31.0	15.3	24.7	27.5	1.5	0.8	EF6155-ND	2.09	15.79	119.20	447.00	775.00	ECQ-E6155KF
	1.8	31.0	16.8	27.0	27.5	1.5	0.8	EF6185-ND	2.32	17.56	132.50	496.88	861.00	ECQ-E6185KF
	2.2	31.0	19.5	29.0	27.5	1.5	0.8	EF6225-ND	3.57	27.01	203.84	764.40	1325.00	ECQ-E6225KF

anasonic NEW! ECQ-E(H) Series Metallized Polyester Film Capacitors

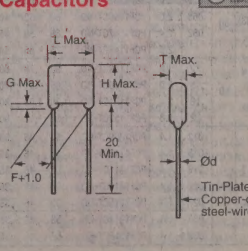
RoHS COMPLIANT

ECQ-E(H) series has a non-inductive construction using a metallized Polyester film with a flame retardant epoxy resin coating for an active filter.

ures: • Smaller size • Self-healing property • Excellent electrical characteristics • Flame retardant epoxy resin coating

cation: Active filter circuit

ifications: • Operating Temperature Range: -40°C ~ 105°C • Rated Voltage: 450VDC (Derating of rated voltage by 1.25%/C° at more than 85°C) • Cap-ce Tolerance: ±10% • Dissipation Factor (tanδ): tanδ ≤ 1.0% (20°C, 1kHz) • Withstand Voltage: Between terminals: Rated (450VDC) X 150% 60 seconds. een terminal to enclosure: Rated voltage (450VDC) X 200% 1 second to 5 seconds • Insulation Resistance (IR): IR ≥ 3000 MΩ µF (20°C, 100VDC, 60 nds)



age C)	Cap. (µF)	Dimensions (mm) L	T	H	F	G	ød	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Panasonic Part No.
	0.47	12.7	7.7	16.0	10.0	1.0	0.6	E6825-ND	1.21	.86	.64	.46	.38	ECQE2W474KH
	0.68	18.2	6.9	15.3	15.0	1.0	0.8	E6826-ND	1.29	.92	.69	.49	.41	ECQE2W684KH
0	1.0	18.2	8.5	16.9	15.0	1.0	0.8	E6827-ND	1.80	1.13	.85	.61	.51	ECQE2W105KH
	1.5	25.7	8.2	16.2	22.5	1.0	0.8	E6828-ND	2.17	1.64	1.24	.93	.83	ECQE2W155KH
	2.2	25.7	9.4	19.7	22.5	1.0	0.8	E6829-ND	2.61	1.98	1.50	1.12	.99	ECQE2W225KH

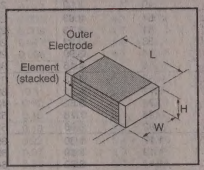
Panasonic SMT Capacitors

ECW-U (PEN Film, Standand Type) and ECH-U (PPS Film, High Grade Type)

Features: • Small in size • High moisture resistance

Applications: Type ECH-U: • Time constant • Filtering • Qscillation and resonance **Type ECW-U:** • Coupling • By-pass • General purpose

Size Code	Dim. (mm)* L	W	Size Code	Dim. (mm)* L	W
0805 (2012)	2.0	1.25	2825 (7163)	7.1	6.3
1206 (3216)	3.2	1.6	3022 (7755)	7.7	5.5
1210 (3225)	3.2	2.5	3925 (9863)	9.8	6.3
1913 (4833)	4.8	3.3	3931 (9880)	9.8	8.0
2416 (6041)	6.0	4.1	6031 (1580)	15.2	8.0
2420 (6050)	6.0	5.0	6039 (1510)	15.2	10.0
2820 (7150)	7.1	5.0			



* For H-measurement, see chart.

ECW-U(B) Series

Specifications: • Operating Temperature: -55°C ~ 105°C • Rated Voltage: 16VDC, 50VDC • Capacitance Tolerance: 5% • Withstanding Voltage (between terminals): Rated Voltage x 175% 1 to 5s • Dissipation Factor: ≤1.0% (20°C, 1kHz) • Insulation Resistance: C≤0.33μF: ≥3000MΩ (20°C, 10VDC, 50VDC 60s) • Reflow Soldering Conditions: 240°C maximum and 30 seconds maximum at more than 210°C (temperature at cap surface).

Item Code	WV DC	Cap. μF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECW-U(B) (Standard Type) 5% Tolerance, Reflow Only NOT RECOMMENDED FOR NEW DESIGN											
1206 (3216) Size	50	.0033	0.8	PCF1040CT-ND	.50	.44	.34	PCF1040TR-ND	3,000	200.00/M	ECW-U1H332JB5
		.0039	0.8	PCF1041CT-ND	.50	.44	.34	PCF1041TR-ND	3,000	200.00/M	ECW-U1H392JB5
		.0047	0.8	PCF1042CT-ND	.50	.44	.34	PCF1042TR-ND	3,000	200.00/M	ECW-U1H472JB5
		.0056	0.8	PCF1043CT-ND	.53	.46	.36	PCF1043TR-ND	3,000	212.00/M	ECW-U1H562JB5
		.0068	0.8	PCF1044CT-ND	.53	.46	.36	PCF1044TR-ND	3,000	212.00/M	ECW-U1H682JB5
		.0082	1.0	PCF1045CT-ND	.54	.47	.36	PCF1045TR-ND	3,000	216.00/M	ECW-U1H822JB5
		.01	1.0	PCF1046CT-ND	.55	.48	.37	PCF1046TR-ND	3,000	218.00/M	ECW-U1H103JB5
1210 (3225) Size	50	.012	1.0	PCF1047CT-ND	.56	.49	.37	PCF1047TR-ND	2,000	222.00/M	ECW-U1H123JB5
		.015	1.0	PCF1048CT-ND	.57	.49	.38	PCF1048TR-ND	2,000	225.00/M	ECW-U1H153JB5
		.018	1.4	PCF1049CT-ND	.58	.51	.39	PCF1049TR-ND	2,000	231.00/M	ECW-U1H183JB5
		.022	1.4	PCF1050CT-ND	.59	.52	.40	PCF1050TR-ND	2,000	236.00/M	ECW-U1H223JB5
		.027	1.4	PCF1051CT-ND	.60	.52	.40	PCF1051TR-ND	2,000	240.00/M	ECW-U1H273JB5
		.033	2.0	PCF1052CT-ND	.61	.53	.41	PCF1052TR-ND	2,000	242.00/M	ECW-U1H333JB5
		.039	2.0	PCF1053CT-ND	.63	.55	.42	PCF1053TR-ND	2,000	252.00/M	ECW-U1H393JB5
		.047	2.0	PCF1054CT-ND	.65	.56	.43	PCF1054TR-ND	2,000	258.00/M	ECW-U1H473JB5

ECW-U(C) Series

Specifications: • Operating Temperature: (16VDC, 50VDC) -55°C ~ 105°C; (100VDC, 250VDC) -40°C ~ 85°C • Rated Voltage: 16, 50, 100, and 250VDC • Withstanding Voltage Between Terminals: (16VDC, 50VDC) Rated Voltage x 175% 1 to 5s; (100VDC or 250VDC) Rated Voltage x 150% 60s • Dissipation Factor: ≤1.0% (20°C, 1kHz) • Insulation Resistance: (C≤0.33μF) ≥3000MΩ; (C>0.33μF) 1000MΩ • Reflow Soldering Conditions: (16VDC, 50VDC) 240°C maximum and 30 seconds maximum at more than 210°C (temperature at cap surface); (100VDC, 250VDC) 230°C maximum and 30 seconds maximum at more than 210°C (temperature at cap surface).

Item Code	WV DC	Cap. μF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECW-U(C) (Standard Type) 5% Tolerance, Reflow Only											
1913 (4833) Size	16	.12	1.4	PCF1137CT-ND	.72	.62	.48	PCF1137TR-ND	3,000	285.00/M	ECW-U1C124JC9
		.15	2.0	PCF1138CT-ND	.75	.65	.50	PCF1138TR-ND	3,000	300.00/M	ECW-U1C154JC9
		.18	4.8	PCF1139CT-ND	.83	.72	.55	PCF1139TR-ND	3,000	330.00/M	ECW-U1C184JC9
		.22	4.8	PCF1140CT-ND	.90	.78	.60	PCF1140TR-ND	2,000	360.00/M	ECW-U1C224JC9
2416 (6041) Size	16	.27	1.8	PCF1141CT-ND	.98	.85	.65	PCF1141TR-ND	3,000	390.00/M	ECW-U1C274JC9
		.33	2.0	PCF1142CT-ND	1.05	.91	.70	PCF1142TR-ND	3,000	420.00/M	ECW-U1C334JC9
		.39	2.4	PCF1143CT-ND	1.13	.98	.75	PCF1143TR-ND	2,000	450.00/M	ECW-U1C394JC9
		.47	2.8	PCF1144CT-ND	1.20	1.04	.80	PCF1144TR-ND	2,000	480.00/M	ECW-U1C474JC9
1913 (4833) Size	50	.056	2.0	PCF1145CT-ND	.60	.52	.40	PCF1145TR-ND	3,000	240.00/M	ECW-U1H563JC9
		.068	2.0	PCF1146CT-ND	.60	.52	.40	PCF1146TR-ND	3,000	240.00/M	ECW-U1H683JC9
		.082	2.4	PCF1147CT-ND	.68	.59	.45	PCF1147TR-ND	2,000	270.00/M	ECW-U1H823JC9
		.1	2.8	PCF1148CT-ND	.75	.65	.50	PCF1148TR-ND	2,000	300.00/M	ECW-U1H104JC9
2416 (6041) Size	50	.12	1.8	PCF1149CT-ND	.90	.78	.60	PCF1149TR-ND	3,000	360.00/M	ECW-U1H124JC9
		.15	2.0	PCF1150CT-ND	1.05	.91	.70	PCF1150TR-ND	3,000	420.00/M	ECW-U1H154JC9
		.18	2.4	PCF1151CT-ND	1.20	1.04	.80	PCF1151TR-ND	2,000	480.00/M	ECW-U1H184JC9
		.22	2.8	PCF1152CT-ND	1.35	1.17	.90	PCF1152TR-ND	2,000	540.00/M	ECW-U1H224JC9
1913 (4833) Size	100	.012	1.4	PCF1209CT-ND	.53	.46	.35	PCF1209TR-ND	3,000	208.00/M	ECW-U1123JC9
		.015	1.4	PCF1210CT-ND	.53	.46	.35	PCF1210TR-ND	3,000	208.00/M	ECW-U1153JC9
		.018	1.4	PCF1211CT-ND	.53	.46	.35	PCF1211TR-ND	3,000	208.00/M	ECW-U1183JC9
		.022	1.4	PCF1212CT-ND	.53	.46	.35	PCF1212TR-ND	3,000	208.00/M	ECW-U1223JC9
		.027	1.4	PCF1213CT-ND	.53	.46	.35	PCF1213TR-ND	3,000	208.00/M	ECW-U1273JC9
		.033	1.4	PCF1214CT-ND	.53	.46	.35	PCF1214TR-ND	3,000	208.00/M	ECW-U1333JC9
		.039	1.4	PCF1215CT-ND	.53	.46	.35	PCF1215TR-ND	3,000	208.00/M	ECW-U1393JC9
1913 (4833) Size	100	.047	1.4	PCF1216CT-ND	.66	.57	.44	PCF1216TR-ND	3,000	261.00/M	ECW-U1473JC9
		.056	2.0	PCF1217CT-ND	.66	.57	.44	PCF1217TR-ND	3,000	261.00/M	ECW-U1563JC9
		.068	2.4	PCF1218CT-ND	.79	.68	.53	PCF1218TR-ND	2,000	313.00/M	ECW-U1683JC9
		.082	2.8	PCF1219CT-ND	.85	.74	.57	PCF1219TR-ND	2,000	339.00/M	ECW-U1823JC9
2416 (6041) Size	100	.1	1.8	PCF1220CT-ND	.92	.80	.61	PCF1220TR-ND	3,000	366.00/M	ECW-U1104JC9
		.12	2.4	PCF1221CT-ND	1.05	.91	.70	PCF1221TR-ND	2,000	416.00/M	ECW-U1124JC9
		.15	2.8	PCF1222CT-ND	1.18	1.02	.79	PCF1222TR-ND	2,000	469.00/M	ECW-U1154JC9
1913 (4833) Size	250	.001	1.4	PCF1361CT-ND	.59	.51	.40	PCF1361TR-ND	3,000	234.00/M	ECW-U2102JC9
		.0012	1.4	PCF1362CT-ND	.59	.51	.40	PCF1362TR-ND	3,000	234.00/M	ECW-U2122JC9
		.0015	1.4	PCF1363CT-ND	.59	.51	.40	PCF1363TR-ND	3,000	234.00/M	ECW-U2152JC9
		.0018	1.4	PCF1364CT-ND	.59	.51	.40	PCF1364TR-ND	3,000	234.00/M	ECW-U2182JC9
		.0022	1.4	PCF1365CT-ND	.59	.51	.40	PCF1365TR-ND	3,000	234.00/M	ECW-U2222JC9
		.0027	1.4	PCF1366CT-ND	.59	.51	.40	PCF1366TR-ND	3,000	234.00/M	ECW-U2272JC9
		.0033	1.4	PCF1367CT-ND	.59	.51	.40	PCF1367TR-ND	3,000	234.00/M	ECW-U2332JC9
		.0039	1.4	PCF1368CT-ND	.59	.51	.40	PCF1368TR-ND	3,000	234.00/M	ECW-U2392JC9
		.0047	1.4	PCF1369CT-ND	.59	.51	.40	PCF1369TR-ND	3,000	234.00/M	ECW-U2472JC9
		.0056	1.4	PCF1370CT-ND	.59	.51	.40	PCF1370TR-ND	3,000	234.00/M	ECW-U2562JC9
		.0068	1.4	PCF1371CT-ND	.59	.51	.40	PCF1371TR-ND	3,000	234.00/M	ECW-U2682JC9
		.0082	1.4	PCF1372CT-ND	.59	.51	.40	PCF1372TR-ND	3,000	234.00/M	ECW-U2822JC9
		.01	1.4	PCF1373CT-ND	.59	.51	.40	PCF1373TR-ND	3,000	234.00/M	ECW-U2103JC9
		.012	1.4	PCF1374CT-ND	.59	.51	.40	PCF1374TR-ND	3,000	234.00/M	ECW-U2123JC9
		.015	1.4	PCF1375CT-ND	.59	.51	.40	PCF1375TR-ND	3,000	234.00/M	ECW-U2153JC9
		.018	2.0	PCF1376CT-ND	.66	.57	.44	PCF1376TR-ND	3,000	261.00/M	ECW-U2183JC9
		.022	2.0	PCF1377CT-ND	.66	.57	.44	PCF1377TR-ND	3,000	261.00/M	ECW-U2223JC9
		.027	2.4	PCF1378CT-ND	.79	.68	.53	PCF1378TR-ND	2,000	313.00/M	ECW-U2273JC9
		.033	2.8	PCF1379CT-ND	.85	.74	.57	PCF1379TR-ND	2,000	339.00/M	ECW-U2333JC9
2416 (6041) Size	250	.039	2.0	PCF1380CT-ND	.92	.80	.61	PCF1380TR-ND	3,000	366.00/M	ECW-U2393JC9
		.047	2.4	PCF1381CT-ND	.98	.85	.65	PCF1381TR-ND	2,000	390.00/M	ECW-U2473JC9
		.056	2.8	PCF1382CT-ND	1.05	.91	.70	PCF1382TR-ND	2,000	416.00/M	ECW-U2563JC9
		.068	3.2	PCF1383CT-ND	.99	.86	.66	PCF1383TR-ND	2,000	393.00/M	ECW-U2683JC9
2420 (6050) Size	250	.082	3.2	PCF1384CT-ND	1.56	1.36	1.04	PCF1384TR-ND	1,500	624.00/M	ECW-U2823JC9
		.1	3.8	PCF1385CT-ND	1.38	1.20	.92	PCF1385TR-ND	1,500	551.00/M	ECW-U2104JC9
		.12	4.5	PCF1386CT-ND	1.74	1.51	1.16	PCF1386TR-ND	1,500	693.00/M	ECW-U2124JC9
ECW-U(C) (Standard Type) 10% Tolerance, Reflow Only											
1913 (4833) Size	100	.012	1.4	PCF1223CT-ND	.47	.41	.32	PCF1223TR-ND	3,000	188.00/M	ECW-U1123KC9
		.015	1.4	PCF1224CT-ND	.47	.41	.32	PCF1224TR-ND	3,000	188.00/M	ECW-U1153KC9
		.018	1.4	PCF1225CT-ND	.47	.41	.32	PCF1225TR-ND	3,000	188.00/M	ECW-U1183KC9
		.022	1.4	PCF1226CT-ND	.47	.41	.32	PCF1226TR-ND	3,000	188.00/M	ECW-U1223KC9
1913 (4833) Size	100	.027	1.4	PCF1227CT-ND	.47	.41	.32	PCF1227TR-ND	3,000	188.00/M	ECW-U1273KC9
		.033	1.4	PCF1228CT-ND	.47	.41	.32	PCF1228TR-ND	3,000	188.00/M	ECW-U1333KC9
		.039	1.4	PCF1229CT-ND	.47	.41	.32	PCF1229TR-ND	3,000	188.00/M	ECW-U1393KC9
		.047	2.0	PCF1230CT-ND	.59	.51	.40	PCF1230TR-ND	3,000	234.00/M	ECW-U1473KC9
		.056	2.0	PCF1231CT-ND	.59	.51	.40	PCF1231TR-ND	3,000	234.00/M	ECW-U1563KC9
		.068	2.4	PCF1232CT-ND	.71	.61	.47	PCF1232TR-ND	2,000	281.00/M	ECW-U1683KC9
		.082	2.8	PCF1233CT-ND	.77	.67	.51	PCF1233TR-ND	2,000	306.00/M	ECW-U1823KC9
2416 (6041) Size	100	.1	1.8	PCF1234CT-ND	.83	.72	.55	PCF1234TR-ND	3,000	328.00/M	ECW-U1104KC9
		.12	2.4	PCF1235CT-ND	.94	.82	.63	PCF1235TR-ND	2,000	375.00/M	ECW-U1124KC9
		.15	2.8	PCF1236CT-ND	1.06	.92	.71	PCF1236TR-ND	2,000	422.00/M	ECW-U1154KC9
2820 (7150) Size	100	.18	2.0	PCF1237CT-ND	1.18	1.02	.79	PCF1237TR-ND	1,500	469.00/M	ECW-U1184KC9
		.22	2.4	PCF1238CT-ND	1.31	1.13	.87	PCF1238TR-ND	1,500	521.00/M	ECW-U1224KC9
		.27	2.9	PCF1239CT-ND	1.34	1.16	.90	PCF1239TR-ND	1,500	534.00/M	ECW-U1274KC9
		.33	3.5	PCF1240CT-ND	1.36	1.18	.91	PCF1240TR-ND	1,500	544.00/M	ECW-U1334KC9
3022 (7755)	100	.39	3.4	PCF1241CT-ND	1.41	1.22	.94	PCF1241TR-ND	1,000	561.00	ECW-U1394KC9
		.47	4.0	PCF1242CT-ND	1.44	1.25	.96	PCF1242TR-ND	1,000	574.00	ECW-U1474KC9
3925 (9863) Size	100	.56	3.0	PCF1243CT-ND	1.50	1.30	1.00	PCF1243TR-ND	1,000	598.00	ECW-U1564KC9
		.68	3.6	PCF1244CT-ND	1.57	1.36	1.05	PCF1244TR-ND	1,000	624.00	ECW-U1684KC9
		.82	4.3	PCF1245CT-ND	1.63	1.41	1.09	PCF1245TR-ND	1,000	651.00	ECW-U1824KC9
		1.0	5.1	PCF1246CT-ND	1.70	1.47	1.13	PCF1246TR-ND	1,000	677.00	ECW-U1105KC9
1913 (4833) Size	250	.001	1.4	PCF1247CT-ND	.53	.46	.35	PCF1247TR-ND	3,000	208.00/M	ECW-U2102KC9
		.0012	1.4	PCF1248CT-ND	.53	.46	.35	PCF1248TR-ND	3,000	208.00/M	ECW-U2122KC9
		.0015	1.4	PCF1249CT-ND	.53	.46	.35	PCF1249TR-ND	3,000	208.00/M	ECW-U2152KC9
		.0018	1.4	PCF1250CT-ND	.53	.46	.35	PCF1250TR-ND	3,000	208.00/M	ECW-U2182KC9
		.0022	1.4	PCF1251CT-ND	.53	.46	.35	PCF1251TR-ND	3,000	208.00/M	ECW-U2222KC9
		.0027	1.4	PCF1252CT-ND	.53	.46	.35	PCF1252TR-ND	3,000	208.00/M	ECW-U2272KC9
		.0033	1.4	PCF1253CT-ND	.53	.46	.35	PCF1253TR-ND	3,000	208.00/M	ECW-U2332KC9
		.0039	1.4	PCF1254CT-ND	.53	.46	.35	PCF1254TR-ND	3,000	208.00/M	ECW-U2392KC9
		.0047	1.4	PCF1255CT-ND	.53	.46	.35	PCF1255TR-ND	3,000	208.00/M	ECW-U2472KC9
		.0056	1.4	PCF1256CT-ND	.53	.46	.35	PCF1256TR-ND	3,000	208.00/M	ECW-U2562KC9
		.0068	1.4	PCF1257CT-ND	.53	.46	.35	PCF1257TR-ND	3,000	208.00/M	ECW-U2682KC9
		.0082	1.4	PCF1258CT-ND	.53	.46	.35	PCF1258TR-ND	3,000	208.00/M	ECW-U2822KC9
		.01	1.4	PCF1259CT-ND	.53	.46	.35	PCF1259TR-ND	3,000	208.00/M	ECW-U2103KC9
		.012	1.4	PCF1260CT-ND	.53	.46	.35	PCF1260TR-ND	3,000	208.00/M	ECW-U2123KC9
		.015	1.4	PCF1261CT-ND	.53	.46	.35	PCF1261TR-ND	3,000	208.00/M	ECW-U2153KC9
		.018	2.0	PCF1262CT-ND	.59	.51	.40	PCF1262TR-ND	3,000	234.00/M	ECW-U2183KC9
		.022	2.0	PCF1263CT-ND	.59	.51	.40	PCF1263TR-ND	3,000	234.00/M	ECW-U2223KC9
		.027	2.4	PCF1264CT-ND	.71	.61	.47	PCF1264TR-ND	2,000	281.00/M	ECW-U2273KC9
		.033	2.8	PCF1265CT-ND	.77	.67	.51	PCF1265TR-ND	2,000	306.00/M	ECW-U2333KC9
2416 (6041) Size	250	.039	2.0	PCF1266CT-ND	.83	.72	.55	PCF1266TR-ND	3,000	328.00/M	ECW-U2393KC9
		.047	2.4	PCF1267CT-ND	.89	.77	.59	PCF1267TR-ND	2,000	353.00/M	ECW-U2473KC9
		.056	2.8	PCF1268CT-ND	.94	.82	.63	PCF1268TR-ND	2,000	375.00/M	ECW-U2563KC9

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WV DC	Cap. pF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECW-U(C) (Standard Type) 10% Tolerance, Reflow Only										
250	.068	3.2	PCF1269CT-ND	1.00	.87	.67	PCF1269TR-ND	2,000	399.00/M	ECW-U2683KC9
	.082	3.2	PCF1270CT-ND	1.06	.92	.71	PCF1270TR-ND	1,500	422.00/M	ECW-U2823KC9
	.1	3.8	PCF1271CT-ND	1.12	.97	.75	PCF1271TR-ND	1,500	446.00/M	ECW-U2104KC9
	.12	2.8	PCF1272CT-ND	1.18	1.02	.79	PCF1272TR-ND	1,500	469.00/M	ECW-U2124KC9
250	.15	3.5	PCF1273CT-ND	1.44	1.25	.96	PCF1273TR-ND	1,000	574.00	ECW-U2154KCV
	.18	4.1	PCF1274CT-ND	1.57	1.36	1.05	PCF1274TR-ND	1,000	624.00	ECW-U2184KCV
	.22	5.1	PCF1275CT-ND	1.70	1.47	1.13	PCF1275TR-ND	1,000	677.00	ECW-U2224KCV
250	.27	3.9	PCF1276CT-ND	1.83	1.59	1.22	PCF1276TR-ND	1,000	729.00	ECW-U2274KCV
	.33	4.8	PCF1277CT-ND	1.95	1.69	1.30	PCF1277TR-ND	1,000	780.00	ECW-U2334KCV
250	.39	4.4	PCF1278CT-ND	2.09	1.81	1.39	PCF1278TR-ND	1,000	833.00	ECW-U2394KCV
	.47	5.3	PCF1279CT-ND	2.22	1.92	1.48	PCF1279TR-ND	1,000	885.00	ECW-U2474KCV
250	.56	3.7	PCF1280CT-ND	2.61	2.26	1.74	PCF1280TR-ND	750	780.75	ECW-U2564KCZ
	.68	4.4	PCF1281CT-ND	3.26	2.82	2.17	PCF1281TR-ND	750	975.75	ECW-U2684KCZ
250	.82	4.2	PCF1282CT-ND	3.58	3.10	2.39	PCF1282TR-ND	750	1073.25	ECW-U2824KCZ
	1.0	5.1	PCF1283CT-ND	3.90	3.38	2.60	PCF1283TR-ND	750	1170.00	ECW-U2105KCZ

W-U(X) Series

ifications: • Operating Temperature: -55°C ~ 105°C • Rated Voltage: 100VDC • Withstanding Voltage een Terminals: Rated Voltage x 175% 1 to 5s • Dissipation Factor: ≤1.0% (20°C, 1kHz) • Insulation stance: ≥3000MΩ (20°C, 100VDC 60s) • Reflow Soldering Conditions: 240°C maximum and 30 seconds mum at more than 210°C (temperature at cap surface).

WV DC	Cap. pF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECW-U(X) (Standard Type) 5% Tolerance, Reflow Only										
	.001	1.1	PCF1348CT-ND	.46	.40	.31	PCF1348TR-ND	3,000	184.00/M	ECW-U1102JX5
	.0012	1.1	PCF1349CT-ND	.46	.40	.31	PCF1349TR-ND	3,000	184.00/M	ECW-U1122JX5
	.0015	1.1	PCF1350CT-ND	.46	.40	.31	PCF1350TR-ND	3,000	184.00/M	ECW-U1152JX5
100	.0018	1.1	PCF1351CT-ND	.46	.40	.31	PCF1351TR-ND	3,000	184.00/M	ECW-U1182JX5
100	.0022	1.1	PCF1352CT-ND	.46	.40	.31	PCF1352TR-ND	3,000	184.00/M	ECW-U1222JX5
	.0027	1.1	PCF1353CT-ND	.46	.40	.31	PCF1353TR-ND	3,000	184.00/M	ECW-U1272JX5
	.0033	1.5	PCF1354CT-ND	.46	.40	.31	PCF1354TR-ND	2,000	184.00/M	ECW-U1332JX5
	.0039	1.5	PCF1355CT-ND	.46	.40	.31	PCF1355TR-ND	2,000	184.00/M	ECW-U1392JX5
	.0047	1.5	PCF1356CT-ND	.46	.40	.31	PCF1356TR-ND	2,000	184.00/M	ECW-U1472JX5
	.0056	1.5	PCF1357CT-ND	.49	.43	.33	PCF1357TR-ND	2,000	195.00/M	ECW-U1562JX5
100	.0068	1.5	PCF1358CT-ND	.49	.43	.33	PCF1358TR-ND	2,000	195.00/M	ECW-U1682JX5
	.0082	2.1	PCF1359CT-ND	.49	.43	.33	PCF1359TR-ND	2,000	195.00/M	ECW-U1822JX5
	.01	2.1	PCF1360CT-ND	.49	.43	.33	PCF1360TR-ND	2,000	195.00/M	ECW-U1103JX5

W-U (V16) and (V17) Series

ifications: • Operating Temperature: -55°C ~ 105°C • Rated Voltage: 250VDC, 400VDC • Withstanding ge Between Terminals: (250VDC) 400VDC for 60s; (400VDC) 600VDC for 60s • Dissipation Factor: % (20°C, 1kHz) • Insulation Resistance: (250VDC) ≥3000MΩ • Reflow Soldering Conditions: 230°C mum and 30 seconds maximum at more than 210°C (temperature at cap surface).

WV DC	Cap. pF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECW-U(V16) (Standard Type) 5% Tolerance, Reflow Only										
	.001	1.4	PCF1390CT-ND	.47	.41	.32	PCF1390TR-ND	3,000	188.00/M	ECW-U2102V16
	.0012	1.4	PCF1391CT-ND	.47	.41	.32	PCF1391TR-ND	3,000	188.00/M	ECW-U2122V16
	.0015	1.4	PCF1392CT-ND	.47	.41	.32	PCF1392TR-ND	3,000	188.00/M	ECW-U2152V16
	.0018	1.4	PCF1393CT-ND	.47	.41	.32	PCF1393TR-ND	3,000	188.00/M	ECW-U2182V16
	.0022	1.4	PCF1394CT-ND	.47	.41	.32	PCF1394TR-ND	3,000	188.00/M	ECW-U2222V16
	.0033	1.4	PCF1395CT-ND	.47	.41	.32	PCF1395TR-ND	3,000	188.00/M	ECW-U2332V16
	.0047	1.4	PCF1396CT-ND	.47	.41	.32	PCF1396TR-ND	3,000	188.00/M	ECW-U2472V16
	.0056	1.4	PCF1397CT-ND	.47	.41	.32	PCF1397TR-ND	3,000	188.00/M	ECW-U2562V16
250	.0068	1.4	PCF1398CT-ND	.47	.41	.32	PCF1398TR-ND	3,000	188.00/M	ECW-U2682V16
	.0082	1.4	PCF1399CT-ND	.47	.41	.32	PCF1399TR-ND	3,000	188.00/M	ECW-U2822V16
	.01	1.4	PCF1400CT-ND	.47	.41	.32	PCF1400TR-ND	3,000	188.00/M	ECW-U2103V16
	.012	1.4	PCF1401CT-ND	.47	.41	.32	PCF1401TR-ND	3,000	188.00/M	ECW-U2123V16
	.015	1.4	PCF1402CT-ND	.47	.41	.32	PCF1402TR-ND	3,000	188.00/M	ECW-U2153V16
	.018	2.0	PCF1403CT-ND	.53	.46	.35	PCF1403TR-ND	3,000	209.00/M	ECW-U2183V16
	.022	2.0	PCF1404CT-ND	.53	.46	.35	PCF1404TR-ND	3,000	209.00/M	ECW-U2223V16
	.027	2.4	PCF1405CT-ND	.63	.54	.42	PCF1405TR-ND	2,000	249.00/M	ECW-U2273V16
	.033	2.8	PCF1406CT-ND	.68	.59	.45	PCF1406TR-ND	2,000	270.00/M	ECW-U2333V16
	.039	2.0	PCF1407CT-ND	.73	.64	.49	PCF1407TR-ND	3,000	291.00/M	ECW-U2393V16
250	.047	2.4	PCF1408CT-ND	.78	.68	.52	PCF1408TR-ND	2,000	312.00/M	ECW-U2473V16
	.056	2.8	PCF1409CT-ND	.84	.73	.56	PCF1409TR-ND	2,000	333.00/M	ECW-U2563V16
	.068	3.2	PCF1410CT-ND	.89	.77	.59	PCF1410TR-ND	2,000	354.00/M	ECW-U2683V16
	.082	3.2	PCF1411CT-ND	.94	.82	.63	PCF1411TR-ND	1,500	375.00/M	ECW-U2823V16
250	.1	3.8	PCF1412CT-ND	.99	.86	.66	PCF1412TR-ND	1,500	395.00/M	ECW-U2104V16
	.12	4.5	PCF1413CT-ND	1.04	.91	.70	PCF1413TR-ND	1,500	416.00/M	ECW-U2124V16
ECW-U(V17) (Standard Type) 5% Tolerance, Reflow Only										
	.001	1.4	PCF1414CT-ND	.53	.46	.35	PCF1414TR-ND	3,000	209.00/M	ECW-U4102V17
	.0012	1.4	PCF1415CT-ND	.53	.46	.35	PCF1415TR-ND	3,000	209.00/M	ECW-U4122V17
400	.0015	1.4	PCF1416CT-ND	.53	.46	.35	PCF1416TR-ND	3,000	209.00/M	ECW-U4152V17
	.0018	1.4	PCF1417CT-ND	.53	.46	.35	PCF1417TR-ND	3,000	209.00/M	ECW-U4182V17
	.0022	1.4	PCF1418CT-ND	.53	.46	.35	PCF1418TR-ND	3,000	209.00/M	ECW-U4222V17

Item Code	WV DC	Cap. pF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
1913 (4833) Size	400	.0027	1.4	PCF1419CT-ND	.53	.46	.35	PCF1419TR-ND	3,000	209.00/M	ECW-U4272V17
		.0033	1.4	PCF1420CT-ND	.53	.46	.35	PCF1420TR-ND	3,000	209.00/M	ECW-U4332V17
		.0039	1.4	PCF1421CT-ND	.53	.46	.35	PCF1421TR-ND	3,000	209.00/M	ECW-U4392V17
		.0047	1.4	PCF1422CT-ND	.53	.46	.35	PCF1422TR-ND	3,000	209.00/M	ECW-U4472V17
		.0056	2.0	PCF1423CT-ND	.53	.46	.35	PCF1423TR-ND	3,000	209.00/M	ECW-U4562V17
		.0068	2.0	PCF1424CT-ND	.53	.46	.35	PCF1424TR-ND	3,000	209.00/M	ECW-U4682V17
		.0082	2.4	PCF1425CT-ND	.60	.52	.40	PCF1425TR-ND	2,000	239.00/M	ECW-U4822V17
		.01	2.8	PCF1426CT-ND	.63	.54	.42	PCF1426TR-ND	2,000	249.00/M	ECW-U4103V17
2416 (6041) Size	400	.012	2.0	PCF1427CT-ND	.68	.59	.45	PCF1427TR-ND	3,000	270.00/M	ECW-U4123V17
		.015	2.4	PCF1428CT-ND	.73	.64	.49	PCF1428TR-ND	2,000	291.00/M	ECW-U4153V17
		.018	2.8	PCF1429CT-ND	.78	.68	.52	PCF1429TR-ND	2,000	312.00/M	ECW-U4183V17
		.022	3.2	PCF1430CT-ND	.84	.73	.56	PCF1430TR-ND	2,000	333.00/M	ECW-U4223V17
2420 (6050)	400	.027	3.0	PCF1431CT-ND	.92	.79	.61	PCF1431TR-ND	1,500	365.00/M	ECW-U4273V17
		.033	3.6	PCF1432CT-ND	.99	.86	.66	PCF1432TR-ND	1,500	395.00/M	ECW-U4333V17
2820 (7150)	400	.039	3.2	PCF1433CT-ND	.99	.86	.66	PCF1433TR-ND	1,500	395.00/M	ECW-U4393V17
		.047	3.8	PCF1434CT-ND	1.04	.91	.70	PCF1434TR-ND	1,500	416.00/M	ECW-U4473V17
2825 (7163)	400	.056	3.6	PCF1435CT-ND	1.04	.91	.70	PCF1435TR-ND	1,000	416.00	ECW-U4563V17
		.068	4.4	PCF1436CT-ND	1.10	.95	.73	PCF1436TR-ND	1,000	437.00	ECW-U4683V17
3925 (9863)	400	.082	3.4	PCF1437CT-ND	1.10	.95	.73	PCF1437TR-ND	1,000	437.00	ECW-U4823V17
		.1	4.0	PCF1438CT-ND	1.17	1.02	.78	PCF1438TR-ND	1,000	468.00	ECW-U4104V17
3931 (9880)	400	.12	3.8	PCF1439CT-ND	1.17	1.02	.78	PCF1439TR-ND	1,000	468.00	ECW-U4124V17
		.15	4.6	PCF1440CT-ND	1.25	1.09	.84	PCF1440TR-ND	1,000	500.00	ECW-U4154V17

ECH-U(B) Series

Specifications: • Operating Temperature: -55°C ~ 125°C • Rated Voltage: 50VDC • Capacitance Tolerance: 2%, 5% • Withstanding Voltage (between terminals): Rated Voltage x 175% 1 to 5s • Dissipation Factor: ≤0.5% (20°C, 1kHz) • Insulation Resistance: ≥3000MΩ (20°C, 60s) • Soldering Conditions: (Flow) 260°C maximum and 5 seconds maximum; (Reflow) 260°C maximum, 30 seconds maximum at more than 230°C (temperature at cap surface).

Item Code	WV DC	Cap. pF	Dim. H (mm)	Digi-Key Part No.	Cut Tape Price Each 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
ECH-U(B) (High Grade Type) 2% Tolerance Reflow/Flow NOT RECOMMENDED FOR NEW DESIGN											
0805 (2012) Size	50	.0001	0.8	PCF1089CT-ND	.62	.54	.42	PCF1089TR-ND	3,000	248.00/M	ECH-U1H101GB5
		.00012	0.8	PCF1090CT-ND	.62	.54	.42	PCF1090TR-ND	3,000	248.00/M	ECH-U1H121GB5
		.00015	0.8	PCF1091CT-ND	.62	.54	.42	PCF1091TR-ND	3,000	248.00/M	ECH-U1H151GB5
		.00018	0.8	PCF1092CT-ND	.62	.54	.42	PCF1092TR-ND	3,000	248.00/M	ECH-U1H181GB5
		.00022	0.8	PCF1093CT-ND	.62	.54	.42	PCF1093TR-ND	3,000	248.00/M	ECH-U1H221GB5
		.00027	0.8	PCF1094CT-ND	.62	.54	.42	PCF1094TR-ND	3,000	248.00/M	ECH-U1H271GB5
		.00033	0.8	PCF1095CT-ND	.62	.54	.42	PCF1095TR-ND	3,000	248.00/M	ECH-U1H331GB5
		.00039	0.8	PCF1096CT-ND	.62	.54	.42	PCF1096TR-ND	3,000	248.00/M	ECH-U1H391GB5
		.00047	0.8	PCF1097CT-ND	.62	.54	.42	PCF1097TR-ND	3,000	248.00/M	ECH-U1H471GB5
		.00056	0.8	PCF1098CT-ND	.62	.54	.42	PCF1098TR-ND	3,000	248.00/M	ECH-U1H561GB5
		.00068	0.8	PCF1099CT-ND	.62	.54	.42	PCF1099TR-ND	3,000	248.00/M	ECH-U1H681GB5
		.00082	0.8	PCF1100CT-ND	.62	.54	.42	PCF1100TR-ND	3,000	248.00/M	ECH-U1H821GB5
		.001	0.8	PCF1101CT-ND	.62	.54	.42	PCF1101TR-ND	3,000	248.00/M	ECH-U1H102GB5
		.0012	0.8	PCF1102CT-ND	.62	.54	.42	PCF1102TR-ND	3,000	248.00/M	ECH-U1H122GB5
		.0015	0.8	PCF1103CT-ND	.62	.54	.42	PCF1103TR-ND	3,000	248.00/M	ECH-U1H152GB5
		.0018	0.8	PCF1104CT-ND	.62	.54	.42	PCF1104TR-ND	3,000	248.00/M	ECH-U1H182GB5
		.0022	0.8	PCF1105CT-ND	.62	.54	.42	PCF1105TR-ND	3,000	248.00/M	ECH-U1H222GB5
		.0027	0.8	PCF1106CT-ND	.62	.54	.42	PCF1106TR-ND	3,000	248.00/M	ECH-U1H272GB5
1206 (3216) Size	50	.0033	0.8	PCF1107CT-ND	.73	.63	.49	PCF1107TR-ND	3,000	290.00/M	ECH-U1H332GB5
		.0039	0.8	PCF1108CT-ND	.74	.65	.50	PCF1108TR-ND	3,000	296.00/M	ECH-U1H392GB5
		.0047	0.8	PCF1109CT-ND	.77	.66	.51	PCF1109TR-ND	3,000	305.00/M	ECH-U1H472GB5
		.0056	0.8	PCF1110CT-ND	.79	.68	.53	PCF1110TR-ND	3,000	314.00/M	ECH-U1H562GB5
		.0068	0.8	PCF1111CT-ND	.81	.70	.54	PCF1111TR-ND	3,000	323.00/M	ECH-U1H682GB5
		.0082	1.0	PCF1112CT-ND	.83	.72	.56	PCF1112TR-ND	3,000	332.00/M	ECH-U1H822GB5
		.01	1.0	PCF1113CT-ND	.86	.74	.57	PCF1113TR-ND	3,000	341.00/M	ECH-U1H103GB5
1210 (3225) Size	50	.012	1.0	PCF1114CT-ND	.87	.76	.58	PCF1114TR-ND	2,000	347.00/M	ECH-U1H123GB5
		.015	1.0	PCF1115CT-ND	.90	.78	.60	PCF1115TR-ND	2,000	357.00/M	ECH-U1H153GB5
		.018	1.4	PCF1116CT-ND	.92	.80	.62	PCF1116TR-ND	2,000	368.00/M	ECH-U1H183GB5
		.022	1.4	PCF1117CT-ND	.96	.83	.64	PCF1117TR-ND	2,000	381.00/M	ECH-U1H223GB5
		.027	1.4	PCF1118CT-ND	1.00	.87	.67	PCF1118TR-ND	2,000	399.00/M	ECH-U1H273GB5
		.033	2.0	PCF1119CT-ND	1.05	.91	.70	PCF1119TR-ND	2,000	417.00/M	ECH-U1H333GB5
		.039	2.0	PCF1120CT-ND	1.10	.95	.73	PCF1120TR-ND	2,000	437.00/M	ECH-U1H393GB5
ECH-U(B) (High Grade Type) 5% Tolerance Reflow/Flow NOT RECOMMENDED FOR NEW DESIGN											
0805 (2012) Size	16	.0033	0.8	PCF1070CT-ND	.49	.43	.33	PCF1070TR-ND	3,000	195.00/M	ECH-U1C332JB5
		.0039	0.8	PCF1071CT-ND	.49	.43	.33	PCF1071TR-ND	3,000	195.00/M	ECH-U1C392JB5
		.0047	0.8	PCF1072CT-ND	.49	.43	.33	PCF1072TR-ND	3,000	195.00/M	ECH-U1C472JB5
		.0056	0.8	PCF1073CT-ND	.49	.43	.33	PCF1073TR-ND	3,000	195.00/M	ECH-U1C562JB5
		.0068	0.8	PCF1074CT-ND	.49	.43	.33	PCF1074TR-ND	3,000	195.00/M	ECH-U1C682JB5
		.0082	1.0	PCF1075CT-ND	.49	.43	.33	PCF1075TR-ND	3,000	195.00/M	ECH-U1C822JB5
		.01	1.0	PCF1076CT-ND	.41	.35	.27	PCF1076TR-ND	3,000	160.00/M	ECH-U1C103JB5
1206 (3216) Size	16	.012	0.8	PCF1077CT-ND	.52	.45	.35	PCF1077TR-ND	3,000	206.00/M	ECH-U1C123JB5
		.015	0.8	PCF1078CT-ND	.54	.47	.36	PCF1078TR-ND	3,000	213.00/M	ECH-U1C153JB5
		.018	0.8	PCF1079CT-ND	.54	.47	.36	PCF1079TR-ND	3,000	213.00/M	ECH-U1C183JB5
		.022	0.8	PCF1080CT-ND	.58	.50	.39	PCF1080TR-ND	3,000	230.00/M	ECH-U1C223JB5
		.027	1.0	PCF1081CT-ND	.59	.52	.40	PCF1081TR-ND	3,000	236.00/M	ECH-U1C273JB5
		.033	1.0	PCF1082CT-ND	.61	.53	.41	PCF1082TR-ND	3,000	243.00/M	ECH-U1C333JB5
		.039	1.4	PCF1083CT-ND	.64	.55	.43	PCF1083TR-ND	2,000	254.00/M	ECH-U1C393JB5
		.047	1.4	PCF1084CT-ND	.56	.48	.37	PCF1084TR-ND	2,000	221.00/M	ECH-U1C473JB5

F

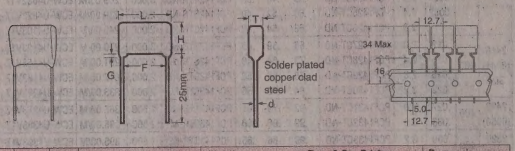
Panasonic P-Series Polypropylene Capacitors

Features:
• Wide capacitance range • Close capacitance tolerance • High insulation resistance • Low dissipation factor • Non-inductive const. • Epoxy resin coating

Applications:
• Blocking, by-pass and coupling of DC and signal to UHF range • Pulse, logic and timing circuit • Light duty pulse forming network • Filter and noise suppression circuit

Electrical Specifications:
• Reference Standard: EIAJ RC-3670A • Temperature Range: -40°C ~ 85°C • Dissipation Factor: 1% maximum at 1KHz and 25°C • Withstand Voltage: 1-5 seconds at 250% of rated voltage • Insulation Resistance: 45,000MΩ minimum, for Values less than .33μF, 15,000 MΩ/μF minimum, for .33μF and greater. (Measured after a 2-minute charge at rated voltage and 25°C.)

PANASONIC ECQ-P CROSS REF.: Sprague: 715P **Westlake:** 173/174 **Mepco/Electra:** 719E1/719H1 **Secor:** PFDS/PFDR **Roderstein:** KP1835 **Wima:** FKP **CSI:** **Thompson; PL/PS Rubycon:** PP **Nissei:** APS/APA



WV DC	Cap. μF	Tolerance	Dimensions (mm) L	T	H	F	d	Digi-Key Part No.	Tape & Box Pricing 500	1,000	5,000	Panasonic Part No.
	.0001	5%	8.5	4.5	7.5	5.0	0.5	P3101TN-ND	—	138.00	133.00/M	ECQ-P1H101JZ3
	.00012	5%	8.5	4.5	7.5	5.0	0.5	P3121TN-ND	—	138.00	133.00/M	ECQ-P1H121JZ3
	.00015	5%	8.5	4.5	7.5	5.0	0.5	P3151TN-ND	—	138.00	133.00/M	ECQ-P1H151JZ3
	.00018	5%	8.5	4.5	7.5	5.0	0.5	P3181TN-ND	—	138.00	133.00/M	ECQ-P1H181JZ3
	.00022	5%	8.5	4.5	7.5	5.0	0.5	P3221TN-ND	—	138.00	133.00/M	ECQ-P1H221JZ3
	.00027	5%	8.5	4.5	7.5	5.0	0.5	P3271TN-ND	—	138.00	133.00/M	ECQ-P1H271JZ3
	.00033	5%	8.5	4.5	7.5	5.0	0.5	P3331TN-ND	—	138.00	133.00/M	ECQ-P1H331JZ3
	.00039	5%	8.5	4.5	7.5	5.0	0.5	P3391TN-ND	—	138.00	133.00/M	ECQ-P1H391JZ3
	.00047	5%	8.5	4.5	7.5	5.0	0.5	P3471TN-ND	—	138.00	133.00/M	ECQ-P1H471JZ3
	.00056	5%	8.5	4.5	7.5	5.0	0.5	P3561TN-ND	—	138.00	133.00/M	ECQ-P1H561JZ3
	.00068	5%	8.5	4.5	7.5	5.0	0.5	P3681TN-ND	—	138.00	133.00/M	ECQ-P1H681JZ3
	.00082	5%	8.5	4.5	7.5	5.0	0.5	P3821TN-ND	—	138.00	133.00/M	ECQ-P1H821JZ3
	.001	2%	8.5	4.5	7.5	5.0	0.5	P3102TN-ND	—	193.00	187.00/M	ECQ-P1H102GZ3
	.0012	2%	8.5	4.5	7.5	5.0	0.5	P3122TN-ND	—	193.00	187.00/M	ECQ-P1H122GZ3
	.0015	2%	8.5	4.5	7.5	5.0	0.5	P3152TN-ND	—	193.00	187.00/M	ECQ-P1H152GZ3
50	.0018	2%	8.5	4.5	7.5	5.0	0.5	P3182TN-ND	—	193.00	187.00/M	ECQ-P1H182GZ3
	.0022	2%	8.5	4.5	7.5	5.0	0.5	P3222TN-ND	—	193.00	187.00/M	ECQ-P1H222GZ3
	.0027	2%	8.5	4.5	7.5	5.0	0.5	P3272TN-ND	—	193.00	187.00/M	ECQ-P1H272GZ3
	.0033	2%	8.5	4.5	7.5	5.0	0.5	P3332TN-ND	—	193.00	187.00/M	ECQ-P1H332GZ3
	.0039	2%	8.5	4.5	7.5	5.0	0.5	P3392TN-ND	—	193.00	187.00/M	ECQ-P1H392GZ3
	.0047	2%	8.5	4.5	7.5	5.0	0.5	P3472TN-ND	—	193.00	187.00/M	ECQ-P1H472GZ3
	.0056	2%	8.5	4.5	8.0	5.0	0.5	P3562TN-ND	—	206.00	199.00/M	ECQ-P1H562GZ3
	.0068	2%	8.5	5.0	8.0	5.0	0.5	P3682TN-ND	—	206.00	199.00/M	ECQ-P1H682GZ3
	.0082	2%	12.0	5.5	9.0	5.0	0.6	P3822TN-ND	—	221.00	214.00/M	ECQ-P1H822GZ3
	.01	2%	12.0	5.0	8.5	5.0	0.6	P3103TN-ND	—	221.00	214.00/M	ECQ-P1H103GZ3
	.012	2%	12.0	5.5	9.0	5.0	0.6	P3123TN-ND	—	221.00	214.00/M	ECQ-P1H123GZ3
	.015	2%	12.0	5.0	9.0	5.0	0.6	P3153TN-ND	—	221.00	214.00/M	ECQ-P1H153GZ3
	.018	2%	12.0	5.0	9.0	5.0	0.6	P3183TN-ND	—	221.00	214.00/M	ECQ-P1H183GZ3
	.022	2%	12.0	5.5	10.0	5.0	0.6	P3223TN-ND	—	238.00	230.00/M	ECQ-P1H223GZ3
	.027	2%	12.0	6.0	11.0	5.0	0.6	P3273TN-ND	136.50	—	264.00/M	ECQ-P1H273GZ3
	.033	2%	12.0	6.5	00.5	5.0	0.6	P3333TN-ND	136.50	—	264.00/M	ECQ-P1H333GZ3

WV DC	Cap. μF	Tolerance	Dimensions (mm) L	T	H	F	G	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
	.0001	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3101-ND*	.23	1.99	16.58	99.00	ECQ-P1H101JZ
	.00012	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3121-ND	.23	1.99	16.58	99.00	ECQ-P1H121JZ
	.00015	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3151-ND	.23	1.99	16.58	99.00	ECQ-P1H151JZ
	.00018	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3181-ND	.23	1.99	16.58	99.00	ECQ-P1H181JZ
	.00022	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3221-ND*	.23	1.99	16.58	99.00	ECQ-P1H221JZ
	.00027	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3271-ND	.23	1.99	16.58	99.00	ECQ-P1H271JZ
	.00033	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3331-ND*	.23	1.99	16.58	99.00	ECQ-P1H331JZ
	.00039	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3391-ND	.23	1.99	16.58	99.00	ECQ-P1H391JZ
	.00047	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3471-ND*	.23	1.99	16.58	99.00	ECQ-P1H471JZ
	.00056	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3561-ND	.23	1.99	16.58	99.00	ECQ-P1H561JZ
	.00068	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3681-ND	.23	1.99	16.58	99.00	ECQ-P1H681JZ
	.00082	5%	8.5	4.5	7.5	5.0	1.0	0.5	P3821-ND	.23	1.99	16.58	99.00	ECQ-P1H821JZ
	.001	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3102-ND*	.46	3.90	32.50	194.00	ECQ-P1H102GZ
	.0012	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3122-ND	.46	3.90	32.50	194.00	ECQ-P1H122GZ
	.0015	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3152-ND	.46	3.90	32.50	194.00	ECQ-P1H152GZ
	.0018	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3182-ND	.46	3.90	32.50	194.00	ECQ-P1H182GZ
	.0022	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3222-ND*	.46	3.90	32.50	194.00	ECQ-P1H222GZ
	.0027	2%	8.5	4.5	7.6	5.0	1.0	0.5	P3272-ND	.46	3.90	32.50	194.00	ECQ-P1H272GZ
	.0033	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3332-ND*	.46	3.90	32.50	194.00	ECQ-P1H332GZ
	.0039	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3392-ND	.46	3.90	32.50	194.00	ECQ-P1H392GZ
	.0047	2%	8.5	4.5	7.5	5.0	1.0	0.5	P3472-ND*	.46	3.90	32.50	194.00	ECQ-P1H472GZ
	.0056	2%	8.5	4.5	8.0	5.0	1.0	0.5	P3562-ND	.49	4.20	35.00	209.00	ECQ-P1H562GZ
	.0068	2%	8.5	5.0	8.0	5.0	1.0	0.5	P3682-ND	.49	4.20	35.00	209.00	ECQ-P1H682GZ
	.0082	2%	12.0	5.5	9.0	7.5	1.0	0.6	P3822-ND	.49	4.20	35.00	209.00	ECQ-P1H822GZ
	.01	2%	12.0	5.0	8.5	7.5	1.0	0.6	P3103-ND*	.53	4.50	37.50	224.00	ECQ-P1H103GZ
	.012	2%	12.0	5.5	9.0	7.5	1.0	0.6	P3123-ND	.53	4.50	37.50	224.00	ECQ-P1H123GZ
	.015	2%	12.0	5.0	9.0	7.5	1.0	0.6	P3153-ND	.53	4.50	37.50	224.00	ECQ-P1H153GZ
	.018	2%	12.0	5.5	9.5	7.5	1.0	0.6	P3183-ND	.57	4.86	40.50	242.00	ECQ-P1H183GZ
	.022	2%	12.0	5.5	10.5	7.5	1.0	0.6	P3223-ND*	.57	4.86	40.50	242.00	ECQ-P1H223GZ
	.027	2%	12.0	6.0	11.0	7.5	1.0	0.6	P3273-ND	.59	5.07	42.25	252.00	ECQ-P1H273GZ
	.033	2%	12.0	6.5	11.5	7.5	1.0	0.6	P3333-ND*	.59	5.07	42.25	252.00	ECQ-P1H333GZ
	.039	2%	14.5	5.5	12.0	10.0	1.0	0.6	P3393-ND	.64	5.52	46.00	275.00	ECQ-P1H393GZ
	.047	2%	14.5	6.0	12.5	10.0	1.0	0.6	P3473-ND*	.64	5.52	46.00	275.00	ECQ-P1H473GZ
	.056	2%	14.5	6.5	13.5	10.0	1.0	0.6	P3563-ND	.72	6.15	51.25	306.00	ECQ-P1H563GZ
	.068	2%	14.5	7.0	14.0	10.0	1.0	0.6	P3683-ND	.86	7.41	61.75	369.00	ECQ-P1H683GZ
	.082	2%	17.0	7.0	14.0	12.5	1.0	0.6	P3823-ND	.86	7.41	61.75	369.00	ECQ-P1H823GZ
	.1	2%	17.0	7.5	14.5	12.5	1.0	0.6	P3104-ND*	.86	7.41	61.75	369.00	ECQ-P1H104GZ
	.12	2%	17.0	8.5	15.5	12.5	1.0	0.6	P3124-ND	1.06	9.06	75.50	451.00	ECQ-P1H124GZ
	.15	2%	20.0	8.0	15.5	15.0	1.0	0.6	P3154-ND	1.06	9.06	75.50	451.00	ECQ-P1H154GZ
	.18	2%	20.0	9.0	16.0	15.0	1.0	0.6	P3184-ND	1.28	11.01	91.75	548.00	ECQ-P1H184GZ
	.22	2%	20.0	9.5	17.0	15.0	1.0	0.6	P3224-ND*	1.28	11.01	91.75	548.00	ECQ-P1H224GZ
	.27	2%	20.0	10.5	18.0	15.0	1.0	0.6	P3274-ND	1.58	13.56	113.00	675.00	ECQ-P1H274GZ
	.33	2%	22.5	10.0	19.5	17.5	1.0	0.8	P3334-ND*	1.58	13.56	113.00	675.00	ECQ-P1H334GZ
	.39	2%	22.5	11.0	20.0	17.5	1.0	0.8	P3394-ND	1.89	16.20	135.00	806.00	ECQ-P1H394GZ
	.47	2%	22.5	12.0	21.0	17.5	1.0	0.8	P3474-ND	1.89	16.20	135.00	806.00	ECQ-P1H474GZ

*P3100-KIT-ND *Digi-Key® P-Series Capacitors Kit* 10 each of parts indicated. Notebook style storage and bin, storage guide included..... $89.

ECQ-P (Z) Series Polypropylene Film Capacitors

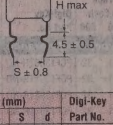
Non-inductive construction using Polypropylene film with epoxy resin coating.

Features:
• Excellent temperature and frequency characteristics.
• Excellent long term stability

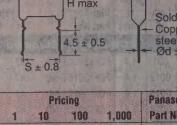
Applications:
• Dolby circuits
• Oscillation circuits

Electrical Specifications:
• Temperature Range: -40°C ~ 85°C
• Rated Voltage: 50VDC. (Voltage derating is required above 70°. See data sheet for details.)
• Dissipation Factor: 0.1% maximum at 1kHz and 20° • Withstand Voltage: Between terminals: Rated voltage: (VDC) x 250% 1 to 5s • Insulation Resistance: C≤ 0.33μF: 45000MΩ minimum C≤ 0.33μF: 15000MΩ μF minimum (20°C Rated Voltage - 60s)

.0075 - .47 μF



.0001 - .0068 μF



WV DC	Cap. μF	Tolerance	Dimensions (mm) L	T	H	S	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
	0.0001	5%	8.5	4.5	12.5	5.0	0.50	P3889-ND	23	1.94	16.20	97.20	ECQ-P1H101JZW
	0.00012	5%	8.5	4.5	12.5	5.0	0.50	P3890-ND	23	1.94	16.20	97.20	ECQ-P1H121JZW
	0.00015	5%	8.5	4.5	12.5	5.0	0.50	P3891-ND	23	1.94	16.20	97.20	ECQ-P1H151JZW
	0.00018	5%	8.5	4.5	12.5	5.0	0.50	P3892-ND	23	1.94	16.20	97.20	ECQ-P1H181JZW
	0.00022	5%	8.5	4.5	12.5	5.0	0.50	P3893-ND	23	1.94	16.20	97.20	ECQ-P1H221JZW
	0.00027	5%	8.5	4.5	12.5	5.0	0.50	P3894-ND	23	1.94	16.20	97.20	ECQ-P1H271JZW
	0.00033	5%	8.5	4.5	12.5	5.0	0.50	P3895-ND	23	1.94	16.20	97.20	ECQ-P1H331JZW
	0.00039	5%	8.5	4.5	12.5	5.0	0.50	P3896-ND	23	1.94	16.20	97.20	ECQ-P1H391JZW
	0.00047	5%	8.5	4.5	12.5	5.0	0.50	P3897-ND	23	1.94	16.20	97.20	ECQ-P1H471JZW
	0.00056	5%	8.5	4.5	12.5	5.0	0.50	P3898-ND	23	1.94	16.20	97.20	ECQ-P1H561JZW
	0.00068	5%	8.5	4.5	12.5	5.0	0.50	P3899-ND	23	1.94	16.20	97.20	ECQ-P1H681JZW
	0.00082	5%	8.5	4.5	12.5	5.0	0.50	P3900-ND	23	1.94	16.20	97.20	ECQ-P1H821JZW
	0.0011	2%	8.5	4.5	12.5	5.0	0.50	P3901-ND	.35	3.04	25.30	151.80	ECQ-P1H102GZW
	0.0012	2%	8.5	4.5	12.5	5.0	0.50	P3902-ND	.35	3.04	25.30	151.80	ECQ-P1H122GZW
	0.0015	2%	8.5	4.5	12.5	5.0	0.50	P3903-ND	.35	3.04	25.30	151.80	ECQ-P1H152GZW
50	0.0018	2%	8.5	4.5	12.5	5.0	0.50	P3904-ND	.35	3.04	25.30	151.80	ECQ-P1H182GZW
	0.0022	2%	8.5	4.5	12.5	5.0	0.50	P3905-ND	.35	3.04	25.30	151.80	ECQ-P1H222GZW
	0.0027	2%	8.5	4.5	12.5	5.0	0.50	P3906-ND	.35	3.04	25.30	151.80	ECQ-P1H272GZW
	0.0033	2%	8.5	4.5	12.5	5.0	0.50	P3907-ND	.35	3.04	25.30	151.80	ECQ-P1H332GZW
	0.0039	2%	8.5	4.5	12.5	5.0	0.50	P3908-ND	.35	3.04	25.30	151.80	ECQ-P1H392GZW
	0.0047	2%	8.5	4.5	12.5	5.0	0.50	P3909-ND	.35	3.04	25.30	151.80	ECQ-P1H472GZW
	0.0056	2%	8.5	4.5	13.0	5.0	0.50	P3910-ND	.38	3.28	27.30	163.80	ECQ-P1H562GZW
	0.0068	2%	8.5	5.0	13.0	5.0	0.50	P3911-ND	.38	3.28	27.30	163.80	ECQ-P1H682GZW
	0.0082	2%	12.0	5.5	14.0	5.0	0.60	P3912-ND	.38	3.28	27.30	163.80	ECQ-P1H822GZW
	0.01	2%	12.0	5.0	13.5	5.0	0.60	P3913-ND	.41	3.55	29.60	177.60	ECQ-P1H103GZW
	0.012	2%	12.0	5.0	14.0	5.0	0.60	P3914-ND	.41	3.55	29.60	177.60	ECQ-P1H123GZW
	0.015	2%	12.0	5.0	14.0	5.0	0.60	P3915-ND	.41	3.55	29.60	177.60	ECQ-P1H153GZW
	0.018	2%	12.0	5.5	14.5	5.0	0.60	P3916-ND	.45	3.86	32.20	193.20	ECQ-P1H183GZW
	0.022	2%	12.0	5.5	15.5	5.0	0.60	P3917-ND	.45	3.86	32.20	193.20	ECQ-P1H223GZW
	0.027	2%	12.0	6.0	16.0	5.0	0.60	P3918-ND	.45	3.86	32.20	193.20	ECQ-P1H273GZW
	0.033	2%	12.0	6.5	16.5	5.0	0.60	P3919-ND	.47	4.04	33.63	201.75	ECQ-P1H333GZW
	0.039	2%	14.5	5.5	17.0	5.0	0.60	P3920-ND	.52	4.42	36.80	220.80	ECQ-P1H393GZW

WV DC	Cap. μF	Tolerance	Dimensions (mm) L	T	H	S	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
	0.047	2%	14.5	6.0	17.5	5.0	0.60	P3921-ND	.60	5.14	42.85	257.10	ECQ-P1H473GZW
	0.056	2%	14.5	6.5	18.5	5.0	0.60	P3922-ND	.60	5.14	42.85	257.10	ECQ-P1H563GZW
	0.068	2%	14.5	7.0	19.0	5.0	0.60	P3923-ND	.60	5.14	42.85	257.10	ECQ-P1H683GZW
	0.082	2%	17.0	7.0	19.0	7.5	0.60	P3924-ND	.60	5.14	42.85	257.10	ECQ-P1H823GZW
	0.1	2%	17.0	7.5	19.5	7.5	0.60	P3925-ND	.82	7.06	58.83	352.95	ECQ-P1H104GZW
	0.12	2%	17.0	8.5	20.5	7.5	0.60	P3926-ND	1.03	8.81	73.45	440.70	ECQ-P1H124GZW
	0.15	2%	20.0	8.0	20.5	10.0	0.60	P3927-ND	1.03	8.81	73.45	440.70	ECQ-P1H154GZW
	0.18	2%	20.0	9.0	21.0	10.0	0.60	P3928-ND	1.10	9.41	78.45	470.70	ECQ-P1H184GZW
	0.22	2%	20.0	9.5	22.0	10.0	0.60	P3929-ND	1.32	11.31	94.28	565.65	ECQ-P1H224GZW
	0.27	2%	20.0	10.5	23.0	10.0	0.60	P3930-ND	1.32	11.31	94.28	565.65	ECQ-P1H274GZW
	0.33	2%	22.5	10.0	24.5	12.5	0.80	P3931-ND	1.33	11.39	94.88	569.25	ECQ-P1H334GZW
	0.39	2%	22.5	11.0	25.0	12.5	0.80	P3932-ND	1.59	13.66	113.85	683.10	ECQ-P1H394GZW
	0.47	2%	22.5	12.0	26.0	12.5	0.80	P3933-ND	1.59	13.66	113.85	683.10	ECQ-P1H474GZW
	0.001	1%	8.5	4.5	12.5	5.0	0.50	P3824-ND	.63	5.42	45.15	270.90	ECQ-P1H102FW
	0.0011	1%	8.5	4.5	12.5	5.0	0.50	P3825-ND	.63	5.42	45.15	270.90	ECQ-P1H112FW
50	0.0012	1%	8.5	4.5	12.5	5.0	0.50	P3826-ND	.63	5.42	45.15	270.90	ECQ-P1H122FW
	0.0013	1%	8.5	4.5	12.5	5.0	0.50	P3827-ND	.63	5.42	45.15	270.90	ECQ-P1H132FW
	0.0015	1%	8.5	4.5	12.5	5.0	0.50	P3828-ND	.63	5.42	45.15	270.90	ECQ-P1H152FW
	0.0016	1%	8.5	4.5	12.5	5.0	0.50	P3829-ND	.63	5.42	45.15	270.90	ECQ-P1H162FW
	0.0018	1%	8.5	4.5	12.5	5.0	0.50	P3830-ND	.63	5.42	45.15	270.90	ECQ-P1H182FW
	0.002	1%	8.5	4.5	12.5	5.0	0.50	P3831-ND	.63	5.42	45.15	270.90	ECQ-P1H202FW
	0.0022	1%	8.5	4.5	12.5	5.0	0.50	P3832-ND	.63	5.42	45.15	270.90	ECQ-P1H222FW
	0.0024	1%	8.5	4.5	12.5	5.0	0.50	P3833-ND	.63	5.42	45.18	271.05	ECQ-P1H242FW
	0.0027	1%	8.5	4.5	12.5	5.0	0.50	P3834-ND	.63	5.42	45.18	271.05	ECQ-P1H272FW
	0.003	1%	8.5	4.5	12.5	5.0	0.50	P3835-ND	.63	5.42	45.18	271.05	ECQ-P1H302FW
	0.0033	1%	8.5	4.5	12.5	5.0	0.50	P3836-ND	.63	5.42	45.18	271.05	ECQ-P1H332FW
	0.0036	1%	8.5	4.5	12.5	5.0	0.50	P3837-ND	.63	5.42	45.18	271.05	ECQ-P1H362FW
	0.0039	1%	8.5	4.5	12.5	5.0	0.50	P3838-ND	.63	5.42	45.18	271.05	ECQ-P1H392FW
	0.0043	1%	8.5	4.5	12.5	5.0	0.50	P3839-ND	.63	5.42	45.18	271.05	ECQ-P1H432FW
	0.0047	1%	8.5	4.5	12.5	5.0	0.50	P3840-ND	.63	5.42	45.18	271.05	ECQ-P1H472FW

(Continued)

More Product Available Online: www.digikey.com
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Panasonic ECQ-P (Z) Polypropylene Film Capacitors (Cont.)

Cap. µF	Tolerance	Dimensions (mm) L	T	H	S	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
0.0051	1%	8.5	4.5	13.0	5.0	0.50	P3841-ND	.63	5.42	45.18	271.05	ECQ-P1H512FZW
0.0056	1%	8.5	4.5	13.0	5.0	0.50	P3842-ND	.63	5.42	45.18	271.05	ECQ-P1H562FZW
0.0062	1%	8.5	5.0	13.0	5.0	0.50	P3843-ND	.63	5.42	45.18	271.05	ECQ-P1H622FZW
0.0068	1%	8.5	5.0	13.0	5.0	0.50	P3844-ND	.63	5.42	45.18	271.05	ECQ-P1H682FZW
0.0075	1%	12.0	5.0	14.0	5.0	0.60	P3845-ND	.63	5.42	45.18	271.05	ECQ-P1H752FZW
0.0082	1%	12.0	5.5	14.0	5.0	0.60	P3846-ND	.63	5.42	45.18	271.05	ECQ-P1H822FZW
0.0091	1%	12.0	5.0	13.5	5.0	0.60	P3847-ND	.63	5.42	45.18	271.05	ECQ-P1H912FZW
0.01	1%	12.0	5.0	13.5	5.0	0.60	P3848-ND	.63	5.42	45.18	271.05	ECQ-P1H103FZW
0.011	1%	12.0	5.0	14.0	5.0	0.60	P3849-ND	.65	5.56	46.33	277.95	ECQ-P1H113FZW
0.012	1%	12.0	5.5	14.0	5.0	0.60	P3850-ND	.65	5.56	46.33	277.95	ECQ-P1H123FZW
0.013	1%	12.0	5.0	14.0	5.0	0.60	P3851-ND	.65	5.56	46.33	277.95	ECQ-P1H133FZW
0.015	1%	12.0	5.0	14.0	5.0	0.60	P3852-ND	.65	5.56	46.33	277.95	ECQ-P1H153FZW
0.016	1%	12.0	5.5	14.0	5.0	0.60	P3853-ND	.65	5.56	46.33	277.95	ECQ-P1H163FZW
0.018	1%	12.0	5.5	14.5	5.0	0.60	P3854-ND	.65	5.56	46.33	277.95	ECQ-P1H183FZW
0.02	1%	12.0	5.5	14.5	5.0	0.60	P3855-ND	.74	6.35	52.90	317.40	ECQ-P1H203FZW
0.022	1%	12.0	5.5	15.5	5.0	0.60	P3856-ND	.61	5.26	43.80	262.80	ECQ-P1H223FZW
0.024	1%	12.0	6.0	15.5	5.0	0.60	P3857-ND	.74	6.35	52.90	317.40	ECQ-P1H243FZW
0.027	1%	12.0	6.0	16.0	5.0	0.60	P3858-ND	.74	6.35	52.90	317.40	ECQ-P1H273FZW
0.03	1%	12.0	6.5	16.0	5.0	0.60	P3859-ND	.84	7.19	59.95	359.70	ECQ-P1H303FZW
0.033	1%	12.0	6.5	16.5	5.0	0.60	P3860-ND	.84	7.19	59.95	359.70	ECQ-P1H333FZW
0.036	1%	14.5	5.5	17.0	5.0	0.60	P3861-ND	.84	7.19	59.95	359.70	ECQ-P1H363FZW
0.039	1%	14.5	5.5	17.0	5.0	0.60	P3862-ND	.84	7.19	59.95	359.70	ECQ-P1H393FZW
0.043	1%	14.5	6.0	17.0	5.0	0.60	P3863-ND	.84	7.19	59.95	359.70	ECQ-P1H433FZW
0.047	1%	14.5	6.0	17.5	5.0	0.60	P3864-ND	.84	7.19	59.95	359.70	ECQ-P1H473FZW

WV DC	Cap. µF	Tolerance	Dimensions (mm) L	T	H	S	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
50	0.051	1%	14.5	6.5	18.5	5.0	0.60	P3865-ND	1.11	9.48	79.00	474.00	ECQ-P1H513FZW
	0.056	1%	14.5	6.5	18.5	5.0	0.60	P3866-ND	1.11	9.48	79.00	474.00	ECQ-P1H563FZW
	0.062	1%	14.5	7.0	19.0	5.0	0.60	P3867-ND	1.11	9.48	79.00	474.00	ECQ-P1H623FZW
	0.068	1%	14.5	7.0	19.0	5.0	0.60	P3868-ND	1.11	9.48	79.00	474.00	ECQ-P1H683FZW
	0.075	1%	17.0	6.5	18.5	7.5	0.60	P3869-ND	1.11	9.48	79.00	474.00	ECQ-P1H753FZW
	0.082	1%	17.0	7.0	19.0	7.5	0.60	P3870-ND	1.11	9.48	79.00	474.00	ECQ-P1H823FZW
	0.091	1%	17.0	7.0	19.0	7.5	0.60	P3871-ND	1.11	9.48	79.03	474.15	ECQ-P1H913FZW
	0.1	1%	17.0	7.5	19.5	7.5	0.60	P3872-ND	1.15	9.87	82.23	493.35	ECQ-P1H104FZW
	0.11	1%	17.0	8.0	20.5	7.5	0.60	P3873-ND	1.43	12.23	101.88	611.25	ECQ-P1H114FZW
	0.12	1%	17.0	8.5	20.5	7.5	0.60	P3874-ND	1.43	12.23	101.88	611.25	ECQ-P1H124FZW
	0.13	1%	17.0	8.5	21.0	7.5	0.60	P3875-ND	1.43	12.23	101.88	611.25	ECQ-P1H134FZW
	0.15	1%	20.0	8.0	20.5	10.0	0.60	P3876-ND	1.43	12.23	101.88	611.25	ECQ-P1H154FZW
	0.16	1%	20.0	8.5	20.5	10.0	0.60	P3877-ND	1.43	12.23	101.88	611.25	ECQ-P1H164FZW
	0.18	1%	20.0	9.0	21.0	10.0	0.60	P3878-ND	1.43	12.23	101.88	611.25	ECQ-P1H184FZW
	0.20	1%	20.0	9.5	21.5	10.0	0.60	P3879-ND	1.43	12.23	101.88	611.25	ECQ-P1H204FZW
	0.22	1%	20.0	9.5	22.0	10.0	0.60	P3880-ND	1.43	12.23	101.88	611.25	ECQ-P1H224FZW
	0.24	1%	20.0	10.0	22.5	10.0	0.60	P3881-ND	1.89	16.19	134.90	809.40	ECQ-P1H244FZW
	0.27	1%	20.0	10.5	23.0	10.0	0.60	P3882-ND	1.98	17.00	141.70	850.20	ECQ-P1H274FZW
	0.30	1%	22.5	9.5	24.0	12.5	0.80	P3883-ND	1.98	17.00	141.70	850.20	ECQ-P1H304FZW
	0.33	1%	22.5	10.0	24.5	12.5	0.80	P3884-ND	2.21	18.97	158.05	948.30	ECQ-P1H334FZW
	0.36	1%	22.5	10.5	25.0	12.5	0.80	P3885-ND	2.21	18.97	158.05	948.30	ECQ-P1H364FZW
	0.39	1%	22.5	11.0	25.0	12.5	0.80	P3886-ND	2.44	20.93	174.40	1046.40	ECQ-P1H394FZW
	0.43	1%	22.5	11.5	25.5	12.5	0.80	P3887-ND	2.61	22.40	186.68	1120.05	ECQ-P1H434FZW
	0.47	1%	22.5	12.0	26.0	12.5	0.80	P3888-ND	2.76	23.69	197.40	1184.40	ECQ-P1H474FZW

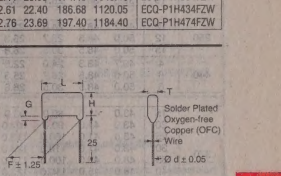
CQP(U) Series Polypropylene Film Capacitors

nductive construction using Polypropylene film with retardant epoxy resin coating.

res: • Low loss and excellent frequency characteristics ellent temperature characteristics • High insulation ance

Applications: • High frequency and high current circuits • General purpose circuit

Electrical Specifications: • Reference Standard: EIAJ RC-3670B Characteristics P • Temperature Range: -40°C ~ 85°C Derating of rated voltage at more than 85°C (rated voltage x 50%) • Dissipation Factor: 0.1% maximum at 1kHz and 20°C • Withstand Voltage: 1-5 seconds at 250% of rated voltage between terminals • Insulation Resistance: 45,000 MΩ minimum, for values equal to or less than .33µF. 15,000 MΩ/µF minimum, for greater than .33µF (20°C, 100VDC, 60s)



Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	G	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
.0082	5%	19.5	6.0	16.0	15.0	1.0	0.60	P3475-ND	.39	3.33	27.78	166.00	ECQ-P4822JU
.01	5%	19.5	6.5	16.5	15.0	1.0	0.60	P3476-ND	.40	3.43	28.60	171.00	ECQ-P4103JU
.012	5%	19.5	6.5	18.5	15.0	1.0	0.60	P3477-ND	.42	3.58	29.85	178.00	ECQ-P4123JU
.015	5%	19.5	6.0	18.5	15.0	1.0	0.60	P3478-ND	.43	3.72	31.03	185.00	ECQ-P4153JU
.018	5%	19.5	6.0	19.0	15.0	1.0	0.60	P3479-ND	.45	3.87	32.23	192.00	ECQ-P4183JU
.022	5%	19.5	6.0	19.4	15.0	1.0	0.60	P3480-ND	.47	3.99	33.25	199.00	ECQ-P4223JU
.027	5%	19.5	6.5	20.0	15.0	1.0	0.60	P3481-ND	.48	4.10	34.13	204.00	ECQ-P4273JU
.033	5%	19.5	7.0	21.8	15.0	1.0	0.60	P3482-ND	.49	4.24	35.30	211.00	ECQ-P4333JU
.039	5%	19.5	7.5	22.8	15.0	1.0	0.60	P3483-ND	.51	4.34	36.18	216.00	ECQ-P4393JU
.047	5%	19.5	8.0	23.4	15.0	1.0	0.60	P3484-ND	.60	5.13	42.78	255.00	ECQ-P4473JU
.056	5%	24.5	7.0	22.0	20.0	1.5	0.80	P3485-ND	.60	5.18	43.20	258.00	ECQ-P4563JU
.068	5%	24.5	7.5	23.0	20.0	1.5	0.80	P3486-ND	.65	5.58	46.50	278.00	ECQ-P4683JU
.082	5%	24.5	8.5	23.8	20.0	1.5	0.80	P3487-ND	.70	6.00	50.03	299.00	ECQ-P4823JU
.1	5%	24.5	9.0	26.6	20.0	1.5	0.80	P3488-ND	.82	7.00	58.33	348.00	ECQ-P4104JU
.12	5%	24.5	10.0	27.4	20.0	1.5	0.80	P3489-ND	.83	7.16	59.63	356.00	ECQ-P4124JU
.15	5%	24.5	11.0	28.6	20.0	1.5	0.80	P3490-ND	.94	8.02	66.80	399.00	ECQ-P4154JU
.18	5%	29.5	10.5	26.0	25.0	1.5	0.80	P3491-ND	1.03	8.81	73.45	439.00	ECQ-P4184JU
.22	5%	29.5	11.5	27.0	25.0	1.5	0.80	P3492-ND	1.15	9.83	81.90	489.00	ECQ-P4224JU
.27	5%	29.5	13.0	28.4	25.0	1.5	0.80	P3493-ND	1.31	11.23	93.55	559.00	ECQ-P4274JU
.33	5%	29.5	15.0	29.8	25.0	1.5	0.80	P3494-ND	1.44	12.34	102.83	614.00	ECQ-P4334JU
.39	5%	35.0	15.0	30.0	30.0	1.5	0.80	P3495-ND	1.51	12.95	107.95	644.00	ECQ-P4394JU
.47	5%	35.0	16.5	31.4	30.0	1.5	0.80	P3496-ND	1.61	13.82	115.15	687.00	ECQ-P4474JU
.001	5%	14.5	.0	15.5	10.0	1.0	0.60	P3497-ND	.33	2.80	23.30	139.00	ECQ-P6102JU
.0012	5%	14.5	5.5	15.5	10.0	1.0	0.60	P3498-ND	.33	2.80	23.30	139.00	ECQ-P6122JU

WV DC	Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	G	d	Digi-Key Part No.	Pricing 1	10	100	1,000	Panasonic Part No.
630	.0015	5%	14.5	5.5	15.5	10.0	1.0	0.60	P3499-ND	.33	2.80	23.30	139.00	ECQ-P6152JU
	.0018	5%	14.5	5.5	15.5	10.0	1.0	0.60	P3500-ND	.33	2.80	23.30	139.00	ECQ-P6182JU
	.0022	5%	14.5	5.5	15.5	10.0	1.0	0.60	P3501-ND	.33	2.80	23.30	139.00	ECQ-P6222JU
	.0027	5%	14.5	5.5	16.0	10.0	1.0	0.60	P3502-ND	.33	2.80	23.30	139.00	ECQ-P6272JU
	.0033	5%	14.5	6.0	16.5	10.0	1.0	0.60	P3503-ND	.33	2.80	23.30	139.00	ECQ-P6332JU
	.0039	5%	14.5	6.0	18.5	10.0	1.0	0.60	P3504-ND	.33	2.80	23.30	139.00	ECQ-P6392JU
	.0047	5%	14.5	6.5	18.5	10.0	1.0	0.60	P3505-ND	.33	2.80	23.30	139.00	ECQ-P6472JU
	.0056	5%	14.5	7.0	19.0	15.0	1.0	0.60	P3506-ND	.33	2.80	23.30	139.00	ECQ-P6562JU
	.0068	5%	19.5	5.5	18.5	15.0	1.0	0.60	P3507-ND	.36	3.08	25.58	153.00	ECQ-P6682JU
	.0082	5%	19.5	6.0	19.0	15.0	1.0	0.60	P3508-ND	.39	3.32	27.65	165.00	ECQ-P6822JU
	.01	5%	19.5	6.0	19.4	15.0	1.0	0.60	P3509-ND	.41	3.56	29.63	177.00	ECQ-P6103JU
	.012	5%	19.5	6.5	19.8	15.0	1.0	0.60	P3510-ND	.44	3.79	31.60	189.00	ECQ-P6123JU
	.015	5%	19.5	7.0	20.4	15.0	1.0	0.60	P3511-ND	.47	4.03	33.58	200.00	ECQ-P6153JU
	.018	5%	19.5	7.0	22.6	15.0	1.0	0.60	P3512-ND	.50	4.27	35.55	212.00	ECQ-P6183JU
	.022	5%	19.5	8.0	23.4	15.0	1.0	0.60	P3513-ND	.51	4.41	36.73	219.00	ECQ-P6223JU
	.027	5%	19.5	8.5	24.2	15.0	1.0	0.60	P3514-ND	.55	4.74	39.50	236.00	ECQ-P6273JU
	.033	5%	24.5	8.0	23.2	20.0	1.5	0.80	P3515-ND	.57	4.88	40.68	243.00	ECQ-P6333JU
	.039	5%	24.5	8.5	23.8	20.0	1.5	0.80	P3516-ND	.63	5.40	45.03	269.00	ECQ-P6393JU
	.047	5%	24.5	9.0	24.6	20.0	1.5	0.80	P3517-ND	.72	6.16	51.35	307.00	ECQ-P6473JU
	.056	5%	24.5	10.0	27.4	20.0	1.5	0.80	P3518-ND	.72	6.16	51.35	307.00	ECQ-P6563JU
	.068	5%	24.5	11.0	28.4	20.0	1.5	0.80	P3519-ND	.80	6.83	56.88	340.00	ECQ-P6683JU
	.082	5%	29.5	10.5	25.6	25.0	1.5	0.80	P3520-ND	.86	7.40	61.63	368.00	ECQ-P6823JU
	.1	5%	29.5	11.5	26.8	25.0	1.5	0.80	P3521-ND	.93	8.01	66.75	399.00	ECQ-P6104JU

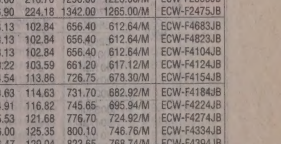
CWF(B) Series Metallized Polypropylene Film Capacitors

ned for applications where high currant and requency are required.

res: • Low-loss. • Excellent frequency character- • Flame retardant epoxy resin coating

cations: • High frequency and high current circuits (TV, display, monitor, power supply, etc.)

Electrical Specifications: • Temperature Range: -25°C ~ 85°C • Rated Voltage: 250VDC (150Vrms, 250Vp-p). 400VDC (200Vrms, 400Vp-p) • Dissipation Factor: .068 to .51µF: 0.05% max. (20°C, 1kHz) 250VDC, .56 to 4.7µF: 0.1% max. (20°C, 1kHz) 250VDC, .068 to 4.7µF: 0.2% maximum (20°C, 10kHz) 250VDC, .068 to 1.5µF: 0.1% maximum (20°C, 1kHz) 400VDC • Withstand Voltage: Between terminals.- Rated voltage: (VDC) x 150% for 60s • Insulation Resistance: 9,000 MΩ minimum, for values 0.068 to .33µF, 3,000 MΩ/µF minimum, for 0.36 to 4.7µF (20°C, 100VDC, 60s)



Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Pricing 1	10	100	1,000	5,000	Panasonic Part No.
.068	5%	18.0	6.0	13.0	15.0	PF2683-ND	.49	4.18	34.83	209.00	196.00/M	ECW-F2683JB
.082	5%	18.0	6.5	13.5	15.0	PF2823-ND	.49	4.18	34.83	209.00	196.00/M	ECW-F2823JB
.1	5%	18.0	7.0	14.0	15.0	PF2104-ND	.49	4.18	34.83	209.00	196.00/M	ECW-F2104JB
.12	5%	18.0	7.5	14.5	15.0	PF2124-ND	.50	4.28	35.65	213.00	201.00/M	ECW-F2124JB
.15	5%	18.0	8.5	15.0	15.0	PF2154-ND	.55	4.71	39.23	235.00	221.00/M	ECW-F2154JB
.18	5%	18.0	6.5	13.5	15.0	PF2184-ND	.55	4.73	39.45	236.00	223.00/M	ECW-F2184JB
.22	5%	18.0	7.0	14.0	15.0	PF2224-ND	.56	4.82	40.20	241.00	227.00/M	ECW-F2224JB
.27	5%	18.0	8.0	14.5	15.0	PF2274-ND	.58	4.95	41.28	247.00	233.00/M	ECW-F2274JB
.33	5%	18.0	8.5	15.0	15.0	PF2334-ND	.59	5.08	42.35	254.00	239.00/M	ECW-F2334JB
.39	5%	18.0	9.0	16.0	15.0	PF2394-ND	.62	5.34	44.50	266.00	251.00/M	ECW-F2394JB
.47	5%	23.0	8.0	15.0	20.0	PF2474-ND	.65	5.59	46.58	279.00	263.00/M	ECW-F2474JB
.56	5%	23.0	8.5	15.5	20.0	PF2564-ND	.68	5.85	48.73	292.00	275.00/M	ECW-F2564JB
.68	5%	23.0	9.5	16.5	20.0	PF2684-ND	.71	6.10	50.83	304.00	287.00/M	ECW-F2684JB
.82	5%	23.0	10.5	17.0	20.0	PF2824-ND	.73	6.23	51.88	311.00	293.00/M	ECW-F2824JB
1.0	5%	23.0	11.5	18.0	20.0	PF2105-ND	.79	6.74	56.13	336.00	317.00/M	ECW-F2105JB
1.2	5%	23.0	12.5	19.5	20.0	PF2125-ND	1.38	11.86	98.85	592.00	558.00/M	ECW-F2125JB
1.5	5%	23.0	14.0	21.0	20.0	PF2155-ND	1.48	12.71	105.88	634.00	597.00/M	ECW-F2155JB
1.8	5%	28.0	12.5	21.0	25.0	PF2185-ND	1.61	13.76	114.70	687.00	647.00/M	ECW-F2185JB
2.2	5%	28.0	14.0	22.5	25.0	PF2225-ND	1.73	14.82	123.53	740.00	697.00/M	ECW-F2225JB
2.7	5%	28.0	15.5	24.0	25.0	PF2275-ND	1.99	17.08	142.33	852.00	803.00/M	ECW-F2275JB

WV DC	Cap. µF	Tolerance	Dimensions (mm) L	T	H	F	Digi-Key Part No.	Pricing 1	10	100	1,000	5,000	Panasonic Part No.
250	3.3	5%	28.0	17.0	25.0	25.0	PF2335-ND	2.79	23.91	199.25	1193.00	1124.00/M	ECW-F2335JB
	3.9	5%	33.0	16.5	25.5	30.0	PF2395-ND	3.03	26.00	216.70	1298.00	1223.00/M	ECW-F2395JB
	4.7	5%	33.0	18.0	27.0	30.0	PF2475-ND	3.14	26.90	224.18	1342.00	1265.00/M	ECW-F2475JB
400	.068	5%	18.0	6.5	13.0	15.0	PF4683-ND	1.53	13.13	102.84	656.40	612.64/M	ECW-F4683JB
	.082	5%	18.0	7.0	13.5	15.0	PF4823-ND	1.53	13.13	102.84	656.40	612.64/M	ECW-F4823JB
	.1	5%	18.0	7.5	14.0	15.0	PF4104-ND	1.53	13.13	102.84	656.40	612.64/M	ECW-F4104JB
	.12	5%	18.0	8.0	15.0	15.0	PF4124-ND	1.54	13.22	103.59	661.20	617.12/M	ECW-F4124JB
	.15	5%	18.0	8.5	15.5	15.0	PF4154-ND	1.70	14.54	113.86	726.75	678.30/M	ECW-F4154JB
	.18	5%	18.0	9.5	16.5	15.0	PF4184-ND	1.71	14.63	114.63	731.70	682.92/M	ECW-F4184JB
	.22	5%	20.0	9.5	16.5	17.0	PF4224-ND	1.74	14.91	116.82	745.65	695.94/M	ECW-F4224JB
	.27	5%	20.0	10.5	17.0	17.0	PF4274-ND	1.81	15.53	121.68	776.70	724.92/M	ECW-F4274JB
	.33	5%	20.0	11.5	18.0	17.0	PF4334-ND	1.87	16.00	125.35	800.10	746.76/M	ECW-F4334JB
	.39	5%	23.0	13.5	20.5	20.0	PF4394-ND	1.92	16.47	129.04	823.65	768.74/M	ECW-F4394JB
	.47	5%	23.0	14.5	21.5	20.0	PF4474-ND	2.03	17.42	136.42	870.75	812.70/M	ECW-F4474JB
	.56	5%	23.0	13.0	20.0	20.0	PF4564-ND	2.14	18.35	143.77	917.70	856.52/M	ECW-F4564JB
	.68	5%	23.0	14.5	21.5	20.0	PF4684-ND	2.25	19.30	151.15	964.80	900.48/M	ECW-F4684JB
	.82	5%	28.0	14.0	20.5	25.0	PF4824-ND	2.36	20.24	158.53	1011.90	944.44/M	ECW-F4824JB
	1.0	5%	28.0	15.0	22.0	25.0	PF4105-ND	2.47	21.18	165.89	1058.85	988.26/M	ECW-F4105JB
	1.2	5%	28.0	16.5	23.5	25.0	PF4125-ND	2.64	22.59	176.98	1129.65	1054.34/M	ECW-F4125JB
	1.5	5%	28.0	18.5	25.5	25.0	PF4155-ND	2.80	24.00	188.02	1200.15	1120.14/M	ECW-F4155JB

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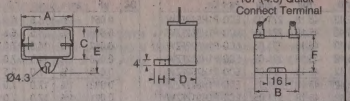
Panasonic® AC Film Capacitors

Stack Type: Panasonic's "stack type" construction offers significant reduction in case size (compared to oil-filled can type) with a built-in mounting foot.

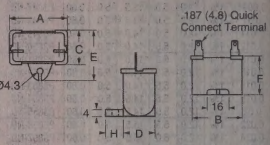
Features: • Compact size compared to oil-filled type capacitors • 0.187 inch (4.75mm) terminals standard (0.250 inch [6.35mm] available) • 180, 200, 230 are standard voltages • U.L. 810 (File # E76560) and C.S.A listed (CSA-C22.2 No. 0-M91 File # LR99617) • JIS standard is available. (JIS C 4908) • Primary applications: refrigeration, motor run, lighting, etc. • Flame retardant plastic case is rated 94 V-0



Voltage VAC	Cap. µF	Dimensions A	B	C	D	E	F	H	Digi-Key Part No.	Pricing 1	10	100	500	Panasonic Part No.
									Stack Type - SQ Case					
180	7.5	39.5	38.0	17.5	16.0	28.0	30.5	11.0	P9400-ND	3.40	27.20	231.20	1020.00	JS18755-AA
	10	39.5	38.0	22.0	20.5	32.5	30.5	11.0	P9401-ND	4.08	32.60	277.10	1222.50	JS18106-AA
	12	39.5	38.0	22.0	20.5	34.2	32.0	13.0	P9402-ND	4.55	36.40	309.40	1365.00	JS18126-AA
	15	39.5	38.0	26.7	25.2	37.0	32.0	11.0	P9403-ND	5.58	44.60	379.10	1672.50	JS18156-AA
	20	39.5	38.0	26.7	25.2	37.0	41.0	11.0	P9404-ND	6.50	52.00	442.00	1950.00	JS18206-AA
210	8	39.5	38.0	22.0	20.5	32.5	30.5	11.0	P9658-ND	3.83	30.60	260.10	1147.50	JS211805-AA
	10	39.5	38.0	22.0	20.5	34.2	32.0	13.0	P9405-ND	4.20	33.60	285.60	1260.00	JS21106-AA
	12	39.5	38.0	26.7	25.2	37.0	32.0	11.0	P9406-ND	4.70	37.60	319.60	1410.00	JS21126-AA
	15	39.5	38.0	26.7	25.2	37.0	41.0	11.0	P9407-ND	5.65	45.20	384.20	1695.00	JS21156-AA
230	10	39.5	38.0	22.0	20.5	34.2	32.0	13.0	P9408-ND	4.93	39.40	334.90	1477.50	JS23106-AA
	12	39.5	38.0	26.7	25.2	37.0	41.0	11.0	P9409-ND	5.43	43.40	368.90	1627.50	JS23126-AA
	15	39.5	38.0	26.7	25.2	37.0	41.0	11.0	P9410-ND	7.03	56.20	477.70	2107.50	JS23156-AA
									Wound Type - Q Case					
250	10	49.7	48.3	24.0	22.5	34.5	34.5	11.5	P9411-ND	6.75	54.00	459.00	2025.00	JS251106-BA
	12	50.0	48.5	26.7	25.3	37.5	38.0	11.5	P9412-ND	7.68	61.40	521.90	2302.50	JS251126-BA
	15	50.0	48.5	30.5	28.8	41.0	36.0	11.5	P9413-ND	9.08	72.60	617.10	2722.50	JS251156-BA
440	4	49.7	48.3	24.0	22.5	34.5	34.5	11.5	P9659-ND	7.85	62.80	533.80	2355.00	DS441405-BA
	5	50.0	48.5	26.7	25.3	37.5	38.0	11.5	P9660-ND	8.38	67.00	569.50	2512.50	DS441505-BA
	6	50.0	48.5	30.5	28.8	41.0	41.5	11.5	P9661-ND	9.58	76.60	651.10	2872.50	DS441605-BA
									Oil Wound Type					
370	15	43.0	41.0	80.0	93.0	16.0	—	—	P9662-ND	4.38	35.00	297.50	1312.50	DS371156-CA
	20	43.0	41.0	90.0	103.0	16.0	—	—	P9663-ND	4.93	39.40	334.90	1477.50	DS371206-CA
	25	43.0	41.0	100.0	113.0	16.0	—	—	P9664-ND	5.55	44.40	377.40	1665.00	DS371256-CA
	30	43.0	41.0	110.0	123.0	16.0	—	—	P9665-ND	6.08	48.60	413.10	1822.50	DS371306-CA
	35	48.0	45.0	100.0	113.0	18.0	—	—	P9666-ND	6.70	53.60	455.60	2010.00	DS371356-CA
	40	48.0	45.0	110.0	123.0	18.0	—	—	P9667-ND	7.28	58.20	494.70	2182.50	DS371406-CA
	45	53.0	50.5	100.0	113.0	18.0	—	—	P9668-ND	7.98	63.80	542.30	2392.50	DS371456-CA
	50	53.0	50.5	110.0	123.0	18.0	—	—	P9669-ND	8.58	68.60	583.10	2572.50	DS371506-CA

Wound Type: Panasonic's "wound type" construction brin dry film technology to higher voltage and microfarad applic tions, not available from our "stack type" construction.

Features: • Replacement for typical oil-filled aluminum or pla tic can capacitor • Compact size —ideal where space is a pr mium • Built-in mounting bracket eliminates need for mounti strap • Meets U.L. 810 (File #E76560) • Primary applicatio motor run, lighting, etc. • Terminals: 0.187 inch (4.75mm)

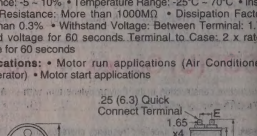


Oil Wound Type – *Metalized polypropylene film:*

Features: • Self protection function built-in • Low-Loss a inherent temperature rise • Small and compact

Specifications: • Meets U.L. 810 (File #E76560) • Capacitan Tolerance: -5 ~ 10% • Temperature Range: -25°C ~ 70°C • ins lation Resistance: More than 1000MΩ • Dissipation Fact Less than 0.3% • Withstand Voltage: Between Terminal: 1. x rated voltage for 60 seconds. Terminal to Case: 2 x rat voltage for 60 seconds

Applications: • Motor run applications (Air Conditioni Refrigerator) • Motor start applications



F

Axial Ceramic Capacitors

Mechanical Parameters:

Terminal Strength: 2.2 Kg (5 lbs.) Minimum pull to destruction, per Method B5 of RS-198-CII, Test Condition A.

Lead Materials: #24 AWG (.020" ±0.001") Tinned, Copper Clad Steel. 30% Conductivity. Temper: Soft; Tensile Strength: 65000 PSI Maximum

Body: Conformally coated Epoxy.

Electrical Parameters:

Capacitance: Measured @ 1Mhz @ 1.0 ±0.2 VRMS @ 25°C for C0G types with C ≤1000pF. Measured @ 1Khz @ 1.0 ±0.2 VRMS @ 25°C for C0G types with C >1000pF. Measured @ 1Khz @ 1.0 VRMS ±.2 VRMS @ 25°C for X7R types. Measure @ 1Khz @ .0.5 VRMS ±.1 VRMS @ 25°C for Z5U types.

Dissipation Factor: .1% Maximum for C0G types, 2.5% Maximum for X7R types and 4.0% for Z5U types; measurement conditions are the same as for capacitance measurement.

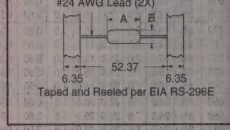
Dielectric Strength: Parts are subjected for up to 5 seconds @ 25°C to 250% of Rated Voltage and will exhibit no evidence of breakdown.

insulation Resistance: When measured @ 25°C and Rated Voltage, the following Minimum Values will be met: 100KMΩ or 1000MΩ x µF (whichever is less) for C0G and X7R types, 10KMΩ or 1000MΩ x µF (whichever is less) for Z5U types.

Body Insulation: 500VDC Minimum, in accordance with RS-198-CII.

Operating Temperature Range: -55°C ~ 125°C for C0G, -55°C ~ 125°C for X7R, -55°C ~ 85°C for Z5U

Packaging: Mono-Axial parts are supplied in tape and reel and form per EIA RS-296.



Size Code	A	B
15	3.81mm Max	2.54mm Ma
20	5.08mm Max	3.05mm Ma

Type	Voltage	Capac-itance	Cap. Tol.(%)	Size Code	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No.	Tape and Reel Size	Pricing	BC Components Part No.
COG	100V	10pf	±5	15	1011PHCT-ND	1.20	8.65	59.85	1011PHTR-ND	7,000	40.00/M	A100J15C0GH5TAA
		15pf	±5	15	1012PHCT-ND	1.20	8.65	59.85	1012PHTR-ND	7,000	40.00/M	A150J15C0GH5TAA
		18pf	±5	15	1013PHCT-ND	1.17	8.45	58.50	1013PHTR-ND	7,000	39.00/M	A180J15C0GH5TAA
		22pf	±5	15	1014PHCT-ND	1.17	8.45	58.50	1014PHTR-ND	7,000	39.00/M	A220J15C0GH5TAA
		27pf	±5	15	1015PHCT-ND	1.17	8.45	58.50	1015PHTR-ND	7,000	39.00/M	A270J15C0GH5TAA
		33pf	±5	15	1016PHCT-ND	1.17	8.45	58.50	1016PHTR-ND	7,000	39.00/M	A330J15C0GH5TAA
		47pf	±5	15	1017PHCT-ND	1.20	8.65	59.85	1017PHTR-ND	7,000	40.00/M	A470J15C0GH5TAA
		68pf	±5	15	1018PHCT-ND	1.20	8.65	59.85	1018PHTR-ND	7,000	40.00/M	A680J15C0GH5TAA
		82pf	±5	15	1019PHCT-ND	1.17	8.45	58.50	1019PHTR-ND	7,000	39.00/M	A820J15C0GH5TAA
	50V	100pf	±5	15	1001PHCT-ND	.77	5.56	38.48	1001PHTR-ND	7,000	26.00/M	A101J15C0GF5TAA
		180pf	±5	15	1003PHCT-ND	.98	7.09	49.05	1003PHTR-ND	7,000	33.00/M	A181J15C0GF5TAA
		220pf	±5	15	1004PHCT-ND	.96	6.92	47.93	1004PHTR-ND	7,000	32.00/M	A221J15C0GF5TAA
		330pf	±5	15	1005PHCT-ND	1.17	8.45	58.50	1005PHTR-ND	7,000	39.00/M	A331J15C0GF5TAA
		390pf	±5	15	1006PHCT-ND	1.17	8.45	58.50	—	—	—	A391J15C0GF5TAA
		470pf	±5	15	1007PHCT-ND	1.19	8.61	59.63	1007PHTR-ND	7,000	40.00/M	A471J15C0GF5TAA
		560pf	±5	15	1008PHCT-ND	1.41	10.21	70.65	1008PHTR-ND	7,000	47.00/M	A561J15C0GF5TAA
		680pf	±5	15	1009PHCT-ND	1.41	10.21	70.65	1009PHTR-ND	7,000	47.00/M	A681J15C0GF5TAA
		1000pf	±5	15	1010PHCT-ND	1.35	9.75	67.50	1010PHTR-ND	7,000	45.00/M	A102J15C0GF5TAA
X7R	100V	220pf	±10	15	1110PHCT-ND	.78	5.66	39.15	—	—	—	A221K15X7RH5TAA
		270pf	±10	15	1111PHCT-ND	.78	5.66	39.15	1111PHTR-ND	7,000	26.00/M	A271K15X7RH5TAA
		330pf	±10	15	1112PHCT-ND	.80	5.75	39.83	1112PHTR-ND	7,000	27.00/M	A331K15X7RH5TAA
		470pf	±10	15	1113PHCT-ND	.80	5.75	39.83	1113PHTR-ND	7,000	27.00/M	A471K15X7RH5TAA
		680pf	±10	15	1114PHCT-ND	.78	5.66	39.15	1114PHTR-ND	7,000	26.00/M	A681K15X7RH5TAA
		820pf	±10	15	1115PHCT-ND	.80	5.75	39.83	1115PHTR-ND	7,000	27.00/M	A821K15X7RH5TAA
		.001µf	±10	15	1116PHCT-ND	.78	5.66	39.15	1116PHTR-ND	7,000	26.00/M	A102K15X7RH5TAA
		.0012µf	±10	15	1117PHCT-ND	.82	5.92	40.95	1117PHTR-ND	7,000	27.00/M	A122K15X7RH5TAA
		.0015µf	±10	15	1118PHCT-ND	.84	6.05	41.85	1118PHTR-ND	7,000	28.00/M	A152K15X7RH5TAA
		.0022µf	±10	15	1119PHCT-ND	.84	6.05	41.85	1119PHTR-ND	7,000	28.00/M	A222K15X7RH5TAA
	50V	.0033µf	±10	15	1101PHCT-ND	.74	5.33	36.90	1101PHTR-ND	7,000	25.00/M	A332K15X7RF5TAA
		.0047µf	±10	15	1102PHCT-ND	.72	5.20	36.00	1102PHTR-ND	7,000	24.00/M	A472K15X7RF5TAA
		.01µf	±10	15	1103PHCT-ND	.70	5.04	34.88	1103PHTR-ND	7,000	23.00/M	A103K15X7RF5TAA
		.022µf	±10	15	1105PHCT-ND	.78	5.62	38.93	1105PHTR-ND	7,000	26.00/M	A223K15X7RF5TAA
		.033µf	±10	15	1106PHCT-ND	.83	6.01	41.63	1106PHTR-ND	7,000	28.00/M	A333K15X7RF5TAA
		.047µf	±10	15	1107PHCT-ND	.86	6.24	43.20	1107PHTR-ND	7,000	29.00/M	A473K15X7RF5TAA
		.056µf	±10	15	1108PHCT-ND	1.21	8.74	60.53	—	—	—	A563K15X7RF5TAA
		.1µf	±10	15	1109PHCT-ND	.84	6.08	42.08	1109PHTR-ND	7,000	28.05/M	A104K15X7RF5TAA
Z5U	50V	.022µf	±20	15	1207PHCT-ND	1.53	11.05	76.50	—	—	—	A223M15Z5UF5TAA
		.033µf	±20	15	1208PHCT-ND	1.38	9.95	68.85	—	—	—	A333M15Z5UF5TAA

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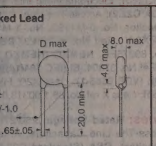
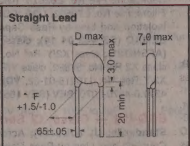
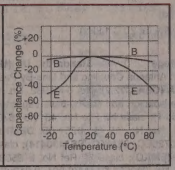
ramic Disc Capacitors for Safety Regulations – Type NS-A
C384-14 2nd Ed. Sub-Class Y1/X1)

ked Lead



Straight Lead





Class II Equipment. Type NS-A is recognized by UL and CSA (UL1414/250VAC and CSA C22.2 No. 1).

SPECIFICATIONS: • **Operating Temperature Range:** -25°C ~ 85°C • **Rated Voltage:**

Applicable Standards	Rated Voltage
UL	250 VAC
CSA	125 VAC
IEC 384-14 2nd Ed. (EN 132 400) Sub-Class Y1	250 VAC
SEV 1016 (3300 to 4700 pF)	250 VAC
BSI (BS415: 1990), VDE 560-2, SEV1016 (100 to 2200 pF)	400 VAC

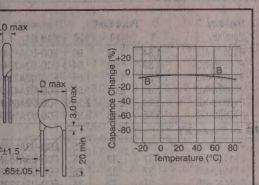
- **Dielectric Withstanding Voltage:** 4000VAC (50/60Hz) for 1 minute
- **Capacitance:** Within the tolerance, when measured at 1kHz ± 20%, 1 Vrms and 20°C
- **Dissipation Factor (tan δ):** 0.025 maximum, when measured at 1kHz ± 20%, 1 Vrms and 20°C
- **Insulation Resistance:** 10,000MΩ min. at 500VDC and 1 minute electrification
- **Temperature Characteristics:**

Temp. Char.	Capacitance Change	Temp. Range
B/Y5P/2B4	±10% Maximum	-25°C ~ 85°C
E/Y5U/2E4	+20/-55% Maximum	-25°C ~ 85°C

The reference temperature: 20°C

Nominal Capacitance (pF)	Capacitance Tolerance (%)	Temperature Characteristics	Dimensions (mm) D	Dimensions (mm) F	Kinked Lead - RoHS Compliant Digi-Key Part No.	Pricing 10	Pricing 100	Pricing 1000	Panasonic Part No.	Straight Lead (Not Recommended for New Design) Digi-Key Part No.	Pricing 5	Pricing 10	Pricing 100	Panasonic Part No.
100	±20	B	11.00	10.0	P9521-ND	4.37	29.29	149.10	ECK-ANA101MB	—	—	—	—	—
150	±20	B	11.00	10.0	P9522-ND	4.37	29.30	149.14	ECK-ANA151MB	P10447-ND	3.42	5.04	36.00	ECK-DNA151MB
220	±20	B	11.00	10.0	P9523-ND	4.37	29.29	149.10	ECK-ANA221MB	—	—	—	—	—
470	±20	B	11.00	10.0	P9524-ND	4.37	29.29	149.10	ECK-ANA471MB	—	—	—	—	—
1000	±20	B	11.00	10.0	P9525-ND	4.37	29.29	149.10	ECK-ANA102MB	—	—	—	—	—
1500	±20	E	11.00	10.0	P9526-ND	4.37	29.29	149.10	ECK-ANA152ME	—	—	—	—	—
2200	±20	E	11.00	10.0	P9527-ND	4.37	29.29	149.10	ECK-ANA222ME	P10452-ND	4.86	7.23	53.11	ECK-DNA222ME
3300	±20	E	13.00	10.0	P9528-ND	4.68	31.38	159.74	ECK-ANA332ME	P10453-ND	5.61	8.35	61.34	ECK-DNA332ME
4700	±20	E	16.00	10.0	P9529-ND	4.92	32.54	195.21	ECK-ANA472ME	P10454-ND	6.30	9.38	68.86	ECK-DNA472ME

ramic Disc Capacitors for Safety Regulations – Type NS-B (IEC384-14 2nd Ed. Sub-Class Y2)



Class I Equipment. Type NS-B is recognized by UL and CSA (UL1414/250 VAC and CSA C22.2 No. 1).

SPECIFICATIONS:
- **Operating Temperature Range:** -25°C ~ 85°C
- **Dielectric Withstanding Voltage:** 2600 VAC (50/60 Hz) for 1 minute
- **Capacitance:** Within the tolerance, when measured at 1kHz ± 20%, 1 Vrms and 20°C
- **Dissipation Factor (tan δ):** 0.025 maximum, when measured at 1kHz ± 20%, 1 Vrms and 20°C
- **Insulation Resistance:** 10,000MΩ min. at 500VDC and 1 minute electrification

- **Rated Voltage:**

Applicable Standards	Rated Voltage
UL	250 VAC
CSA	125 VAC
IEC 384-14 2nd Ed. (EN 132 400) Sub-Class Y2	250 VAC
SEV 1016 (3300 to 4700 pF)	250 VAC
BSI (BS415: 1990), VDE 560-2, SEV1016 (100 to 2200 pF)	400 VAC

- **Temperature Characteristics:**

Temperature Characteristics	Capacitance Change	Temperature Range
B/Y5P/2B4	±10% Max.	-25°C ~ 85°C

The reference temperature: 20°C

Nominal Capacitance (pF)	Capacitance Tolerance (%)	Temperature Characteristics	Dimensions (mm) D	Dimensions (mm) F	Digi-Key Part No.	Pricing 5	Pricing 10	Pricing 100	Panasonic Part No.
220	±20	B	10.5	7.5	P10445-ND	1.70	2.51	17.92	ECK-DNB221MB

ramic Disc Capacitors for Safety Regulations – Type TS (IEC384-14 2nd Ed. Sub-Class Y2/X1)

ved by UL and CSA for rated voltage 250VAC.
MMENDED APPLICATIONS:
suppression circuit for switching power supply.
IFICATIONS:
rating Temperature Range: -25°C ~ 125°C
ed Voltage: 250VAC
age Proof: 2600VAC for 1 minute
acitance: Within the tolerance, when measured at 1kHz
%, 1 Vrms and 20°C
ipation Factor (tan δ): 0.025 maximum, when measured at 1kHz ± 20%, 1 Vrms and 20°C

- **Insulation Resistance:** 10,000MΩ min. at 500VDC and 1 minute electrification
- **Temperature Characteristics:**

Temperature Characteristics	Capacitance Change	Temperature Range
B/Y5P/2B4	±10% Maximum	-25°C ~ 85°C
E/Y5U/2E4	+20/-55% Maximum	-25°C ~ 85°C
F/Y5V/2F4	+30/-80% Maximum	-25°C ~ 85°C

The reference temperature: 20°C

Fig. 1

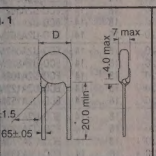
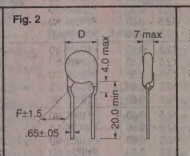


Fig. 2



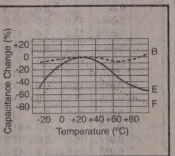
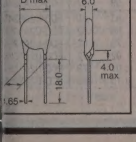


Fig.	Nominal Cap. (pF)	Cap. Tol. (%)	Temp. Char.	Dimensions (mm) D ± 1.0	Dimensions (mm) F	Digi-Key Part No.	Pricing 5	Pricing 10	Pricing 100	Panasonic Part No.
	100	±20	B	7.0	7.5	P10455-ND	2.24	3.06	20.52	ECK-ATS101MB
	150	±20	B	7.0	7.5	P10456-ND	2.24	3.06	20.52	ECK-ATS151MB
	220	±20	B	7.0	7.5	P10457-ND	2.24	3.06	20.52	ECK-ATS221MB
	330	±20	B	7.0	7.5	P10458-ND	2.24	3.06	20.52	ECK-ATS331MB
1	470	±20	B	7.0	7.5	P10459-ND	2.24	3.06	20.52	ECK-ATS471MB
	680	±20	B	7.0	7.5	P10460-ND	2.24	3.06	20.52	ECK-ATS681MB
	1000	±20	E	7.0	7.5	P10461-ND	2.33	3.18	21.34	ECK-ATS102ME
	1000	±20	B	9.5	7.5	P9657-ND	2.41	3.26	23.02	ECK-ATS102MB
	1500	±20	E	8.0	7.5	P10462-ND	2.65	3.62	24.28	ECK-ATS152ME
	2200	±20	E	9.0	7.5	P10463-ND	2.69	3.68	24.70	ECK-ATS222ME
2	3300	±20	E	11.5	7.5	P10464-ND	3.24	4.43	29.73	ECK-ATS332ME
1	4700	±20	E	14.0	10.0	P10465-ND	3.35	4.55	30.13	ECK-ATS472ME
2	4700	±20	F	11.5	7.5	P10466-ND	3.24	4.43	29.73	ECK-ATS472MF
	4700	±20	E	14.0	7.5	P10468-ND	3.35	4.55	30.13	ECK-ATS472ME6
1	10000	±20	F	16.0*	10.0	P10467-ND	3.73	5.07	33.55	ECK-ATS103MF
2	10000	±20	F	16.0*	7.5	P10469-ND	3.73	5.07	33.55	ECK-ATS103MF6

* D is ± 1.5.

ramic Disc Capacitors for Safety Regulations – Type VS (Sub-Class Y2/X1)

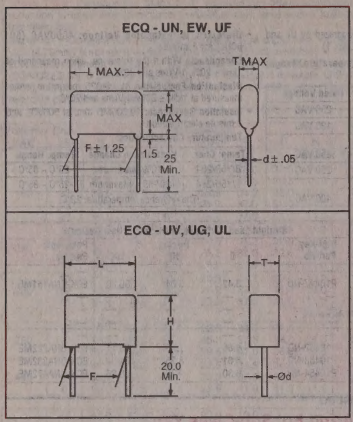
VS is recognized by VDE (IEC60384-14) and UL/CSA.
URES: • Miniature size, 30% smaller than conventional Type TS
MMENDED APPLICATIONS: • AC adapter, Battery charger for PC, Mobile-phone
minal peripheral equipment as MODEM, xDSL
IFICATIONS: • **Operating Temperature Range:** -25°C ~ 125°C (-25°C ~ 85°C for UL/CSA) • **Rated Voltage:** 250VAC/Y2, 440VAC/X1 • **Voltage Proof:** 1500VAC, 1 minute
ipation Factor (tan δ): 0.025 maximum, when measured at 1kHz ± 20%, 1.0±0.2 Vrms
0°C (for Temperature Characteristics B, E and F) • **Insulation Resistance:** 10,000MΩ at 500VDC and 60±5 second electrification



Temp. Char.	Capacitance Change	Temperature Range
SL	+350 ~ -1000ppm/°C	20°C ~ 85°C
B	±10% Maximum	-20°C ~ 85°C
E	+20, -55% Maximum	-20°C ~ 85°C
F	+30, -80% Maximum	-20°C ~ 85°C

The reference temperature: 20°C

Nominal Cap. (pF)	Cap. Tol. (%)	Temp. Char.	Dimensions (mm) D	Dimensions (mm) F	Digi-Key Part No.	Cut Tape Pricing 1	Cut Tape Pricing 10	Cut Tape Pricing 100	Digi-Key Part No.	Tape & Box Size	Tape & Box Pricing	Panasonic Part No
5	±0.5pF	SL	8.0	5.0	P11408CT-ND	.32	2.18	15.40	P11408TB-ND	1,000	84.00	ECC-NVS050DG
10	±0.5pF	SL	8.0	5.0	P11409CT-ND	.52	3.56	23.86	P11409TB-ND	1,000	122.00	ECC-NVS100DG
22	±5%	SL	8.0	5.0	P11410CT-ND	.52	3.56	23.86	P11410TB-ND	1,000	122.00	ECC-NVS220JG
47	±5%	SL	8.0	5.0	P11411CT-ND	.52	3.56	23.86	P11411TB-ND	1,000	122.00	ECC-NVS470JG
100	±10%	B	8.0	5.0	P11412CT-ND	.52	3.56	23.86	P11412TB-ND	1,000	122.00	ECK-NVS101KB
150	±10%	B	8.0	5.0	P11413CT-ND	.52	3.56	23.86	P11413TB-ND	1,000	122.00	ECK-NVS151KB
220	±10%	B	8.0	5.0	P11414CT-ND	.52	3.56	23.86	P11414TB-ND	1,000	122.00	ECK-NVS221KB
330	±10%	B	8.0	5.0	P11415CT-ND	.52	3.56	23.86	P11415TB-ND	1,000	122.00	ECK-NVS331KB
470	±10%	B	8.0	5.0	P11416CT-ND	.52	3.56	23.86	P11416TB-ND	1,000	122.00	ECK-NVS471KB
1000	±10%	B	9.0	5.0	P11417CT-ND	.34	2.51	17.92	P11417TB-ND	1,000	100.00	ECK-NVS102KB
1000	±20%	E	8.0	5.0	P11418CT-ND	.57	3.87	25.95	P11418TB-ND	1,000	132.00	ECK-NVS102ME
1500	±20%	E	8.0	5.0	P11419CT-ND	.57	3.87	25.95	P11419TB-ND	1,000	132.00	ECK-NVS152ME
2200	±20%	E	9.0	5.0	P11420CT-ND	.61	4.18	28.04	P11420TB-ND	1,000	143.00	ECK-NVS222ME
4700	±20%	E	11.0	5.0	P11421CT-ND	.74	5.02	33.21	P11421TB-ND	1,000	199.00	ECK-NVS472ME
4700	±20%	F	10.0	5.0	P11422CT-ND	.70	4.76	31.50	P11422TB-ND	1,000	189.00	ECK-NVS472MF
10000	±20%	F	14.0	7.5	P11423CT-ND	.81	5.54	36.63	P11423TB-ND	500	138.50	ECK-NVS103MF



Electrical Specifications:

- **Operating Temperature Range:** -40°C ~ 85°C (-40°C ~ 100°C for ECQ-UG/UL)
- **Capacitance Tolerance:** ±20% (M)
- **Dissipation Factor:** Less than 1.0% (at 20°C 1 kHz)

ECQ-UN Series: **Rated Voltage:** 250VAC. **Standards: UL (UL 1414);** Across-The-Line Capacitor, Antenna Coupling and Line-By-Pass Capacitors. File No. E62674. **CSA (CSA C22.2);** No. 0-M1982, No. 1-M1981. Across-The-Line, antenna-isolation and line-by-pass capacitor. File No. LR35752. **VDE (VED0565-1);** class X2 File No. 4811.6-4670-1041, **SEV (SEV1055);** class X, Ref No. 89. 5 50251.05. **DEMKO (AFSNIT21);** class X2, Ref No. 70726EC. **SEMKO (SS4430414);** class X2 Reg No. 8602146. **NEMKO (NEMKO);** class X2 Ref No. E 25082 02. **EI (E384-14);** class X2, Reg No. 062521 01-14(0.001-0.012µF), Reg No. 062522 01-15(0.015-0.22µF).

ECQ-EW Series: **Rated Voltage:** 250VAC. **Standards: UL (UL 1283);** Electromagnetic Interference Filters Class X File No. E79502. **SEMKO (SS 443 04 14);** class X2 Reg No. 8932009. **DEMKO (AFSNIT21);** class X2 Ref No. 94911EC. **VDE (VDE0565-1);** class X2 File No. 4811. 6-4670-1035.

ECQ-UF Series: **Rated Voltage:** 250VAC **Standards: SEMKO (SEMKO 101)** Reg. No. 61-88271/1-4. **DEMKO (AFSNIT 21);** class Y/X, Ref No. 61254EC. **VDE (VDE 0565-1)** class Y/X2, File No. 4811-6-1-4670-1032. **BSI (BS415);** certified No. 6026. **UL (UL1414)** Across-The-Line Capacitor & Antenna-Coupling and Line-by-pass. File No. E62674. **CSA (CSA C22.2)** No. 0-M1982, No.1-M1981, Across-The-Line, Antenna-Isolation and Line-by-Pass Capacitor, File No. LR35752.

ECQ-UV Series: **Rated Voltage:** 250VAC **Standards: UL (UL14** Across-The-Line Capacitors, Antenna-Coupling and Line-by-P Capacitors. File No. E62674. **(UL1283);** Electromagnetic Interfere Filters, File No. E79502. **CSA (CSA C22.2);** Across-The-Line, Ante Isolation and Line-by-Pass Capacitor, No. 0-M1982, No. 1-M1 **SEMKO (SS 443 04 14);** class X2/Y Reg No. 8804123. **DEM (AFSNIT21);** class X2/Y Ref No. 89275EC. **NEMKO (NEMKO 1** class X2 Ref No. 37892, class Y Ref No. 37894. **EI (IEC 384/14);** c X2/Y Reg No. 110918-01-02. **VDE (VDE 0565-1);** class X2/Y File 4811.6-4670-1070. **SEV (SEV 1055);** class X ref No. 88.1 00318.01

ECQ-UG — Class X2 Series: **Rated Voltage:** 250/275 **Standards: UL (UL1414);** Across-The-Line Capacitors, Ante Coupling and Line-by-Pass Capacitors. **CSA (Standard C22.2 1-94);** Across-The-Line Capacitors. Antenna-Isolation and Line-by-P Capacitors. **SEMKO, DEMKO, NEMKO, FIMCO, VDE, SEV;** IEC 14, 1993, EN132400, Class X2.

ECQ-UG — Class X1 Series: **Rated Voltage:** 250/300 **Standards: UL (UL1414);** Across-The-Line Capacitors, Ante Coupling and Line-by-Pass Capacitors. **CSA (Standard C22.2 1-94);** Across-The-Line Capacitors. Antenna-Isolation and Line-by-P Capacitors. **FIMCO and VDE;** IEC384-14, 1993, A1 - 1995, EN132 Class X1.

ECQ-UL Series: **Rated Voltage:** 250/275VAC **Standards (UL1414);** Across-The-Line Capacitors. Antenna-Coupling and by-Pass Capacitors. **CSA (Standard C22.2 No. 1-94);** Across-The Capacitors., Antenna-Isolation and Line-by-Pass Capacitors. IEC384-14, 1993, EN132400, Class X2.

F

Voltage (VAC)	Cap. (µF)	L	T	H	F	d	Digi-Key Part No.	1	10	100	Panasonic Part No.
							ECQ-UN				
250	0.0047	17.0	6.5	13.5	13.5	0.6	P4600-ND†	.93	.80	.67	ECQ-U2A472MN
	0.01	17.0	7.0	14.0	13.5	0.6	P4601-ND†	.93	.80	.67	ECQ-U2A103MN
	0.047	25.5	7.0	14.0	21.5	0.6	P4602-ND†	1.18	1.01	.84	ECQ-U2A473MN
	0.1	30.5	7.5	17.01	26.5	0.8	P4603-ND†	1.44	1.24	1.03	ECQ-U2A104MN
							ECQ-EW				
250	0.047	17.0	7.5	13.0	13.5	0.6	P4604-ND†	.79	.69	.57	ECQ-E2A473MW
	0.1	24.0	8.0	13.5	20.5	0.8	P4605-ND†	.95	.81	.68	ECQ-E2A104MW
	0.22	24.0	10.5	17.5	20.5	0.8	P4606-ND†	1.34	1.15	.96	ECQ-E2A224MW
	0.47	29.0	13.0	20.5	25.5	0.8	P4607-ND†	1.79	1.54	1.28	ECQ-E2A474MW
							ECQ-UF				
250	0.0047	20.0	7.0	14.5	16.5	0.6	P4608-ND†	.90	.78	.65	ECQ-U2A472MF
	0.01	23.0	7.5	15.0	19.5	0.6	P4609-ND†	.95	.81	.68	ECQ-U2A103MF
							ECQ-UV				
	0.001	17.5	4.0	10.5	15.0	0.6	P4617-ND	.76	.66	.55	ECQ-U2A102MV
	0.0012	17.5	4.0	10.5	15.0	0.6	P4618-ND	.76	.66	.55	ECQ-U2A122MV
	0.0015	17.5	4.0	10.5	15.0	0.6	P4619-ND	.76	.66	.55	ECQ-U2A152MV
	0.0018	17.5	4.0	10.5	15.0	0.6	P4620-ND	.76	.66	.55	ECQ-U2A182MV
	0.0022	17.5	4.0	10.5	15.0	0.6	P4621-ND	.76	.66	.55	ECQ-U2A222MV
	0.0027	17.5	4.0	10.5	15.0	0.6	P4622-ND	.76	.66	.55	ECQ-U2A272MV
	0.0033	17.5	4.0	10.5	15.0	0.6	P4623-ND	.76	.66	.55	ECQ-U2A332MV
	0.0039	17.5	4.0	10.5	15.0	0.6	P4624-ND	.76	.66	.55	ECQ-U2A392MV
	0.0047	17.5	4.0	10.5	15.0	0.6	P4625-ND	.76	.66	.55	ECQ-U2A472MV
	0.0056	17.5	4.0	10.5	15.0	0.6	P4626-ND	.76	.66	.55	ECQ-U2A562MV
	0.0068	17.5	4.0	10.5	15.0	0.6	P4627-ND	.76	.66	.55	ECQ-U2A682MV
	0.0082	17.5	4.0	10.5	15.0	0.6	P4628-ND	.76	.66	.55	ECQ-U2A822MV
	0.01	17.5	4.0	10.5	15.0	0.6	P4629-ND	.76	.66	.55	ECQ-U2A103MV
	0.012	17.5	4.0	10.5	15.0	0.6	P4630-ND	.76	.66	.55	ECQ-U2A123MV
	0.015	17.5	4.0	10.5	15.0	0.6	P4631-ND	.76	.66	.55	ECQ-U2A153MV
	0.018	17.5	4.5	10.5	15.0	0.6	P4632-ND	.76	.66	.55	ECQ-U2A183MV
	0.022	17.5	4.5	10.5	15.0	0.6	P4633-ND	.76	.66	.55	ECQ-U2A223MV
250	0.027	17.5	4.5	13.0	15.0	0.6	P4634-ND	.76	.66	.55	ECQ-U2A273MV
	0.033	17.5	4.5	13.0	15.0	0.6	P4635-ND	.76	.66	.55	ECQ-U2A333MV
	0.039	17.5	5.5	12.5	15.0	0.6	P4636-ND	.76	.66	.55	ECQ-U2A393MV
	0.047	17.5	5.5	12.5	15.0	0.6	P4637-ND	.90	.77	.65	ECQ-U2A473MV
	0.056	17.5	7.0	14.0	15.0	0.6	P4638-ND	.78	.67	.56	ECQ-U2A563MV
	0.068	17.5	7.0	14.0	15.0	0.6	P4639-ND	.78	.67	.56	ECQ-U2A683MV
	0.082	17.5	8.0	15.0	15.0	0.6	P4640-ND	.78	.67	.56	ECQ-U2A823MV
	0.1	17.5	8.0	15.0	15.0	0.8	P4610-ND	.78	.67	.56	ECQ-U2A104MV
	0.12	25.5	6.5	16.5	22.5	0.6	P4641-ND	1.13	.97	.81	ECQ-U2A124MV
	0.15	25.5	6.5	16.5	22.5	0.8	P4611-ND	1.18	1.02	.85	ECQ-U2A154MV
	0.18	25.5	8.5	17.0	22.5	0.6	P4642-ND	1.18	1.02	.85	ECQ-U2A184MV
	0.22	25.5	8.5	17.0	22.5	0.8	P4612-ND	1.28	1.10	.92	ECQ-U2A224MV
	0.27	30.5	10.0	18.0	27.5	0.6	P4643-ND	1.79	1.54	1.28	ECQ-U2A274MV
	0.33	30.5	10.0	18.0	27.5	0.8	P4613-ND	1.79	1.54	1.29	ECQ-U2A334MV
	0.39	30.5	12.0	20.0	27.5	0.6	P4644-ND	1.79	1.54	1.29	ECQ-U2A394MV
	0.47	30.5	12.0	20.0	27.5	0.8	P4614-ND	2.00	1.72	1.43	ECQ-U2A474MV
	0.56	30.5	13.5	23.5	27.5	0.6	P4645-ND	2.07	1.77	1.48	ECQ-U2A564MV
	0.68	30.5	13.5	23.5	27.5	0.8	P4615-ND	2.36	2.03	1.69	ECQ-U2A684MV
	0.82	30.5	16.5	26.5	27.5	0.6	P4646-ND	2.66	2.28	1.90	ECQ-U2A824MV
	1.0	30.5	16.5	26.5	27.5	0.8	P4616-ND	2.75	2.36	1.97	ECQ-U2A105MV
							ECQ-UG — Class X2				
250/275	0.033	15.0	6.0	13.0	12.5	0.60	P10520-ND	.94	.81	.64	ECQ-U2A333MG
	0.047	15.0	6.0	13.0	12.5	0.60	P10521-ND	.97	.84	.66	ECQ-U2A473MG
	0.068	15.0	8.0	15.0	12.5	0.60	P10522-ND	1.07	.92	.72	ECQ-U2A683MG
	0.1	15.0	8.0	16.5	12.5	0.60	P10523-ND	1.07	.93	.73	ECQ-U2A104MG
	0.1	17.5	6.0	15.0	15.0	0.80	P10524-ND	.91	.78	.61	ECQ-U2A104BC1
250/300	0.15	17.5	8.0	16.5	15.0	0.80	P10525-ND	1.34	1.15	.90	ECQ-U2A154MG
	0.22	17.5	9.0	17.5	15.0	0.80	P10526-ND	1.39	1.19	.94	ECQ-U2A224MG
	0.33	25.5	9.0	18.5	22.5	0.80	P10527-ND	2.30	1.97	1.55	ECQ-U2A334MG
	0.47	25.5	10.5	20.0	22.5	0.80	P10528-ND	2.35	2.01	1.58	ECQ-U2A474MG
	0.68	25.5	12.5	22.0	22.5	0.80	P10529-ND	3.19	2.74	2.15	ECQ-U2A684MG
	1.0	25.5	15.5	24.5	22.5	0.80	P10530-ND	3.55	3.05	2.39	ECQ-U2A105MG
							ECQ-UG — Class X1				
	0.01	15.0	5.0	11.5	12.5	0.60	P11110-ND	.37	.32	.25	ECQ-U3A103MG
	0.015	15.0	5.0	11.5	12.5	0.60	P11111-ND	.37	.32	.25	ECQ-U3A153MG
	0.022	15.0	5.0	11.5	12.5	0.60	P11112-ND	.37	.32	.25	ECQ-U3A223MG
	0.033	15.0	6.0	13.0	12.5	0.60	P11113-ND	.37	.32	.25	ECQ-U3A333MG
	0.047	15.0	6.0	13.0	12.5	0.60	P11114-ND	.37	.32	.25	ECQ-U3A473MG
250/300	0.068	15.0	8.0	15.0	12.5	0.60	P11115-ND	.37	.32	.25	ECQ-U3A683MG
	0.1	15.0	8.0	15.0	12.5	0.60	P11116-ND	.37	.32	.25	ECQ-U3A104MG
	0.15	17.5	8.0	16.5	15.0	0.80	P11117-ND	.51	.44	.35	ECQ-U3A154MG
	0.22	17.5	9.0	17.5	15.0	0.80	P11118-ND	.61	.53	.42	ECQ-U3A224MG
	0.33	25.5	9.0	18.5	22.5	0.80	P11119-ND	.92	.79	.62	ECQ-U3A334MG
	0.47	25.5	10.5	20.0	22.5	0.80	P11120-ND	1.22	1.05	.83	ECQ-U3A474MG
	0.68	25.5	12.5	22.0	22.5	0.80	P11121-ND	1.63	1.40	1.10	ECQ-U3A684MG
	1.0	27.0	16.5	25.5	22.5	0.80	P11122-ND	2.03	1.75	1.37	ECQ-U3A105MG
							ECQ-UL				
	0.001	15.0	5.0	11.5	12.5	0.60	P10988-ND	.20	.18	.14	ECQ-U2A102MG
	0.0012	15.0	5.0	11.5	12.5	0.60	P10989-ND	.20	.18	.14	ECQ-U2A122MG
	0.0015	15.0	5.0	11.5	12.5	0.60	P10990-ND	.20	.18	.14	ECQ-U2A152MG
	0.0018	15.0	5.0	11.5	12.5	0.60	P10991-ND	.20	.18	.14	ECQ-U2A182MG
	0.0022	15.0	5.0	11.5	12.5	0.60	P10992-ND	.20	.18	.14	ECQ-U2A222MG
	0.0027	15.0	5.0	11.5	12.5	0.60	P10993-ND	.20	.18	.14	ECQ-U2A272MG
	0.0033	15.0	5.0	11.5	12.5	0.60	P10994-ND	.20	.18	.14	ECQ-U2A332MG
	0.0039	15.0	5.0	11.5	12.5	0.60	P10995-ND	.20	.18	.14	ECQ-U2A392MG
	0.0047	15.0	5.0	11.5	12.5	0.60	P10996-ND	.20	.18	.14	ECQ-U2A472MG
	0.0056	15.0	5.0	11.5	12.5	0.60	P10997-ND	.20	.18	.14	ECQ-U2A562MG
	0.0068	15.0	5.0	11.5	12.5	0.60	P10998-ND	.20	.18	.14	ECQ-U2A682MG
	0.0082	15.0	5.0	11.5	12.5	0.60	P10999-ND	.20	.18	.14	ECQ-U2A822MG
	0.01	15.0	5.0	11.5	12.5	0.60	P10724-ND	.20	.18	.14	ECQ-U2A103MG
	0.012	15.0	5.0	11.5	12.5	0.60	P11000-ND	.20	.18	.14	ECQ-U2A123MG
	0.015	15.0	5.0	11.5	12.5	0.60	P10725-ND	.20	.18	.14	ECQ-U2A153MG
	0.018	15.0	5.0	13.0	12.5	0.60	P11001-ND	.20	.18	.14	ECQ-U2A183MG
	0.022	15.0	5.0	11.5	12.5	0.60	P10726-ND	.20	.18	.14	ECQ-U2A223MG
	0.027	15.0	5.0	11.5	12.5	0.60	P11002-ND	.20	.18	.14	ECQ-U2A273MG
	0.033	15.0	6.0	13.0	12.5	0.60	P10727-ND	.20	.18	.14	ECQ-U2A333MG
250/275	0.039	15.0	6.0	13.0	12.5	0.60	P11003-ND	.20	.18	.14	ECQ-U2A393MG
	0.047	15.0	6.0	13.0	12.5	0.60	P10728-ND	.20	.18	.14	ECQ-U2A473MG
	0.056	17.5	4.5	11.5	15.0	0.60	P11004-ND	.20	.18	.14	ECQ-U2A563MG
	0.068	17.5	4.5	11.5	15.0	0.60	P10729-ND	.20	.18	.14	ECQ-U2A683MG
	0.082	17.5	5.5	12.0	15.0	0.60	P11005-ND	.20	.18	.14	ECQ-U2A823MG
	0.1	17.5	5.5	12.0	15.0	0.60	P10730-ND	.20	.18	.14	ECQ-U2A104MG
	0.12	17.5	6.5	14.5	15.0	0.60	P11006-ND	.21	.19	.15	ECQ-U2A124MG
	0.15	17.5	6.5	14.5	15.0	0.60	P10731-ND	.23	.20	.16	ECQ-U2A154MG
	0.18	17.5	8.0	16.0	15.0	0.60	P11007-ND	.26	.22	.18	ECQ-U2A184MG
	0.22	17.5	8.0	16.0	15.0	0.60	P10732-ND	.28	.24	.19	ECQ-U2A224MG
	0.27	17.5	9.5	17.5	15.0	0.80	P11008-ND	.33	.28	.22	ECQ-U2A274MG
	0.33	17.5	9.5	17.5	15.0	0.80	P10733-ND	.37	.32	.25	ECQ-U2A334MG
	0.39	25.5	8.5	17.5	22.5	0.80	P11009-ND	.42	.36	.29	ECQ-U2A394MG
	0.47	25.5	8.5	17.5	22.5	0.80	P10734-ND	.47	.40	.32	ECQ-U2A474MG
	0.56	25.5	10.5	19.5	22.5	0.80	P11010-ND	.58	.50	.40	ECQ-U2A564MG
	0.68	25.5	10.5	19.5	22.5	0.80	P10735-ND	.69	.59	.47	ECQ-U2A684MG
	0.82	25.5	12.5	22.0	22.5	0.80	P11011-ND	.72	.63	.49	ECQ-U2A824MG
	1.0	25.5	12.0	22.0	22.5	0.80	P10736-ND	.76	.66	.52	ECQ-U2A105MG
	1.2	30.5	16.5	26.5	27.5	0.80	P11012-ND	.92	.79	.62	ECQ-U2A125MG
	1.5	30.5	16.5	26.5	27.5	0.80	P10737-ND	1.07	.92	.72	ECQ-U2A155MG
	1.8	30.5	19.0	29.5	27.5	0.80	P11013-ND	1.17	1.01	.79	ECQ-U2A185MG
	2.2	30.5	19.0	29.5	27.5	0.80	P10738-ND	1.27	1.10	.86	ECQ-U2A225MG

† P4650-KIT-ND *Digi-Key® X-Y Series Capacitors Kit* 10 each of all values denoted. (100 pcs.) Notebook style box included. $9

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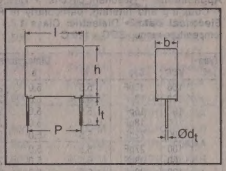
Interference Suppression Film Capacitors MKP 338 X1 and MKP 338 X2

...res: • Consists of a low-inductive wound cell of metallized polypropylene film, potted in a flame-...lant case **X1 Applications:** • For X1 electromagnetic interference suppression • Specially designed ...et the requirements of the "IEC 60384-14 2nd edition and EN 132400", requiring a 4kV peak pulse ...ge test UL1414 and CSA-C22.2 No. 1 specifications **X2 Applications:** • For X2 electromagnetic ...erence suppression • Specially designed to meet the requirements of the "IEC 60384-14 2nd edition and EN 132400", requiring for X2 a 2.5kV peak pulse voltage test and both UL1414 and CSA-C22.2 No. 1 specifications **X1 Specifications: Rated (AC) Voltage, 50 to 60Hz:** 440V **Rated (DC) Voltage:** 1000V **Rated Temperature:** 105°C **C-Tol:** ±20% **Safety Class:** X1; across the line **X2 Specifications: Rated (AC) Voltage, 50 to 60Hz:** 275V **Rated (DC) Voltage:** 630V **Rated Temperature:** 105°C **C-Tol:** ±20% **Safety Class:** X2 across the line

...afety Approvals (X1)		Voltage	Value	File Numbers
...al	UL1414	250V (AC)	10nF to 1µF	E112471
...® us	UL1283 and CSA 22.2.8	440V (AC)	10nF to 1µF	Pending
...02	EN132400	440V (AC)	10nF to 1µF	ENEC/B04/2001

Safety Approvals (X2)		Voltage	Value	File Numbers
.al	UL1414	250V (AC)	1nF to 1µF	E112471
	UL1283	305V (AC)	1nF to 3.3µF	E109565
	CSA-C22.2 No. 1	250V (AC)	1nF to 1µF	1087424 (LR94054-15)
	CSA-C22.2 No. 8	275V (AC)	1nF to 3.3µF	1078568
	CCEE	275V (AC)	1nF to 3.3µF	CH0038043-99
02	EN132400	275V (AC)	1nF to 3.3µF	ENEC/B05/2001



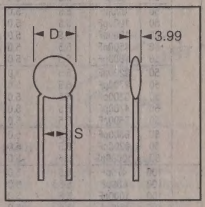
...-	Cap. (µF)	Dimensions (mm) b	h	l	P	l_t	ød	Digi-Key Part No.	Price Each 1	10	100	BC Components Part No.
								MKP 338 X1 Series (±20% Tolerance)				
	.01	5.0	11.0	17.5	15.0	3.5	.60	BC1574-ND	.77	.67	.45	2222 338 10103
	.01	5.0	11.0	17.5	15.0	25.0	.60	BC1587-ND	.77	.67	.45	2222 338 14103
	.015	5.0	11.0	17.5	15.0	3.5	.60	BC1577-ND	.79	.68	.45	2222 338 10153
	.015	5.0	11.0	17.5	15.0	25.0	.60	BC1590-ND	.79	.68	.45	2222 338 14153
	.022	5.0	11.0	17.5	15.0	3.5	.60	BC1579-ND	.79	.68	.46	2222 338 10223
	.022	5.0	11.0	17.5	15.0	25.0	.60	BC1592-ND	.79	.68	.46	2222 338 14223
	.033	6.0	12.0	17.5	15.0	3.5	.60	BC1581-ND	.68	.59	.39	2222 338 10333
	.033	6.0	12.0	17.5	15.0	25.0	.60	BC1594-ND	.68	.59	.39	2222 338 14333
	.047	7.0	13.5	17.5	15.0	3.5	.80	BC1583-ND	.69	.60	.40	2222 338 10473
	.047	7.0	13.5	17.5	15.0	25.0	.80	BC1596-ND	.69	.60	.40	2222 338 14473
	.068	8.5	15.0	17.5	15.0	3.5	.80	BC1585-ND	.72	.62	.41	2222 338 10683
	.068	8.5	15.0	17.5	15.0	25.0	.80	BC1598-ND	.72	.62	.41	2222 338 14683
	.10	10.0	16.5	17.5	15.0	3.5	.80	BC1575-ND	.77	.66	.44	2222 338 10104
	.10	10.0	16.5	17.5	15.0	25.0	.80	BC1588-ND	.77	.66	.44	2222 338 14104
	.15	8.5	18.0	26.0	22.5	3.5	.80	BC1578-ND	.91	.78	.59	2222 338 10154
	.15	8.5	18.0	26.0	22.5	25.0	.80	BC1591-ND	.91	.78	.53	2222 338 14154
	.22	10.0	19.5	26.0	22.5	3.5	.80	BC1580-ND	1.10	.94	.63	2222 338 10224
	.22	10.0	19.5	26.0	22.5	25.0	.80	BC1593-ND	1.10	.94	.63	2222 338 14224
	.33	13.0	23.0	31.0	27.5	3.5	.80	BC1582-ND	1.24	1.06	.71	2222 338 10334
	.33	13.0	23.0	31.0	27.5	25.0	.80	BC1595-ND	1.24	1.06	.71	2222 338 14334
	.47	15.0	25.0	31.0	27.5	3.5	.80	BC1584-ND	.78	.67	.45	2222 338 10474
	.47	15.0	25.0	31.0	27.5	25.0	.80	BC1597-ND	.76	.66	.44	2222 338 14474
	.68	18.0	28.0	31.0	27.5	3.5	.80	BC1586-ND	2.60	2.24	1.49	2222 338 10684
	1.0	21.0	31.0	31.0	27.5	3.5	.80	BC1576-ND	3.27	2.80	1.87	2222 338 10105
	1.0	21.0	31.0	31.0	27.5	25.0	.80	BC1589-ND	3.27	2.80	1.87	2222 338 14105

Volt-age	Cap. (µF)	Dimensions (mm) b	h	l	P	l_t	ød	Digi-Key Part No.	Price Each 1	10	100	BC Components Part No.
								MKP 338 X2 Series (±20% Tolerance)				
	.001	4.0	9.0	10.0	7.5	3.5	.50	BC1599-ND	.35	.31	.21	2222 338 20102
	.0015	4.0	9.0	10.0	7.5	3.5	.50	BC1603-ND	.35	.31	.21	2222 338 20152
	.0022	4.0	9.0	10.0	7.5	3.5	.50	BC1607-ND	.38	.33	.22	2222 338 20222
	.0033	4.0	9.0	10.0	7.5	3.5	.50	BC1611-ND	.41	.36	.24	2222 338 20332
	.0047	4.0	9.0	10.0	7.5	3.5	.50	BC1615-ND	.42	.37	.25	2222 338 20472
	.0068	4.0	9.0	10.0	7.5	3.5	.50	BC1618-ND	.45	.39	.26	2222 338 20682
	.01	4.0	9.0	10.0	7.5	3.5	.50	BC1600-ND	.47	.41	.28	2222 338 20103
	.015	4.0	9.0	10.0	7.5	3.5	.50	BC1604-ND	.48	.42	.28	2222 338 20153
	.022	4.0	9.0	10.0	7.5	3.5	.50	BC1608-ND	.49	.42	.28	2222 338 20223
	.033	5.0	10.5	10.0	7.5	3.5	.50	BC1612-ND	.42	.36	.24	2222 338 20333
275 (AC)	.047	6.0	11.5	10.0	7.5	3.5	.50	BC1616-ND	.42	.37	.25	2222 338 20473
	.068	6.0	12.0	12.5	10.0	3.5	.60	BC1619-ND	.44	.38	.26	2222 338 20683
	.10	6.0	12.0	12.5	10.0	3.5	.60	BC1601-ND	.47	.41	.27	2222 338 20104
	.15	7.0	13.5	17.5	15.0	3.5	.80	BC1605-ND	.50	.43	.29	2222 338 20154
	.22	8.5	15.0	17.5	15.0	3.5	.80	BC1609-ND	.63	.55	.37	2222 338 20224
	.33	10.0	16.5	17.5	15.0	3.5	.80	BC1613-ND	.72	.62	.41	2222 338 20334
	.47	8.5	18.0	26.0	22.5	3.5	.80	BC1617-ND	1.13	.97	.65	2222 338 20474
	.68	10.0	19.5	26.0	22.5	3.5	.80	BC1620-ND	1.52	1.31	.87	2222 338 20684
	1.0	12.0	22.0	26.0	22.5	3.5	.80	BC1602-ND	1.90	1.63	1.09	2222 338 20105
	1.5	15.0	25.0	31.0	27.5	3.5	.80	BC1606-ND	2.51	2.15	1.44	2222 338 20155
	2.2	18.0	28.0	31.0	27.5	3.5	.80	BC1610-ND	3.05	2.61	1.75	2222 338 20225
	3.3	21.0	31.0	31.0	27.5	3.5	.80	BC1614-ND	4.50	3.86	2.58	2222 338 20335

F

eramic Disc Capacitors

...A Temperature oefficient Code	C0G	Y5V	Y5P
apacitance	30PPM/°C	+22%, -82%	±10%
emperature Coefficient			
perating Temperature Range	-25°C – 85°C	-30°C – 85°C	-30°C – 85°C
olerance on Capacitance	±5%	+80/-20%	±10%
Factor	C ≥ 30pF Q ≥ 1000 C < 30pF: Q ≥ 400 +20°C	—	—
issipation Factor	—	4.0% maximum	2.5% maximum
sulation Resistance	10000MΩ	10000MΩ minimum	10000MΩ minimum



...r-e	Dim. (mm) D	S	Cap. Value	Digi-Key Part No.	Pricing 10	100	500	1,000	BC Components Part No.
				Type C0G, 100V					
	5.00	6.35	10pF	1426PH-ND◊	1.72	13.48	49.00	72.21	D100D20C0GH63L6R
	5.00	6.35	15pF	1427PH-ND◊	1.00	7.89	28.70	42.29	D150J20C0GH63L6R
	5.00	6.35	18pF	1428PH-ND◊	1.00	7.89	28.70	42.29	D180J20C0GH63L6R
	5.00	6.35	22pF	1429PH-ND◊	1.00	7.89	28.70	42.29	D220J20C0GH63L6R
	5.00	6.35	27pF	1430PH-ND◊	.50	3.96	14.40	21.22	D270J20C0GH63L6R
	5.00	6.35	33pF	1431PH-ND◊	.50	3.96	14.40	21.22	D330J20C0GH63L6R
	6.50	6.35	56pF	1433PH-ND◊	1.72	13.48	49.00	72.21	D560J25C0GH63L6R
	6.50	6.35	68pF	1336PH-ND	1.72	13.48	49.00	72.00	D680J25C0GH63L6
	6.50	6.35	68pF	1434PH-ND◊	1.72	13.48	49.00	72.21	D680J25C0GH63L6R
	7.37	6.35	100pF	1435PH-ND◊	2.76	21.70	78.90	116.27	D101J29C0GH63L6R
	7.37	6.35	120pF	1436PH-ND◊	3.69	29.01	105.50	155.47	D121J33C0GH63L6R
	10.01	6.35	150pF	1340PH-ND	1.75	13.75	50.00	74.00	D151J33C0GH63L6
	10.01	6.35	220pF	1438PH-ND◊	3.69	29.01	105.50	155.47	D221J39C0GH63L6R
				Type C0G, 500V					
	5.00	6.35	15pF	1439PH-ND◊	2.17	17.05	62.00	91.37	D150J20C0GL63L6R
	6.50	6.35	22pF	1358PH-ND	1.37	10.73	39.00	57.00	D220J25C0GL63L6
	6.50	6.35	22pF	1440PH-ND◊	2.17	17.05	62.00	91.37	D220J25C0GL63L6R
				Type Y5P, 100V					
%	5.00	6.35	100pF	1441PH-ND◊	1.11	8.72	31.70	46.72	D101K20Y5PH63L6R
%	5.00	6.35	220pF	1442PH-ND◊	1.11	8.72	31.70	46.72	D221K20Y5PH63L6R
%	5.00	6.35	330pF	1377PH-ND	1.37	10.73	39.00	57.00	D331K20Y5PH63L6
%	5.00	6.35	330pF	1443PH-ND◊	1.11	8.72	31.70	46.72	D331K20Y5PH63L6R
%	5.00	6.35	470pF	1444PH-ND◊	1.11	8.72	31.70	46.72	D471K20Y5PH63L6R
%	5.00	6.35	1000pF	1445PH-ND◊	1.11	8.72	31.70	46.72	D102K20Y5PH63L6R

Toler-ance	Dim. (mm) D	S	Cap. Value	Digi-Key Part No.	Pricing 10	100	500	1,000	BC Components Part No.
10%	6.50	6.35	2200pF	1446PH-ND◊	1.11	8.72	31.70	46.72	D222K25Y5PH63L6R
10%	8.83	6.35	2700pF	1447PH-ND◊	2.65	20.79	75.60	111.41	D272K33Y5PL63L6R
10%	7.37	6.35	3300pF	1389PH-ND	1.82	14.30	52.00	77.00	D332K29Y5PH63L6
10%	7.37	6.35	3300pF	1448PH-ND◊	1.39	10.92	39.70	58.51	D332K29Y5PH63L6R
10%	8.83	6.35	4700pF	1391PH-ND	1.10	8.61	31.30	46.00	D472K33Y5PH63L6
10%	8.83	6.35	4700pF	1449PH-ND◊	1.39	10.92	39.70	58.51	D472K33Y5PH63L6R
				Type Y5V, 100V					
+80/-20	5.00	6.35	1500pF	1395PH-ND	.77	6.05	22.00	32.00	D152Z20Y5VH63L6
				Type Y5P, 500V					
10%	5.00	6.35	100pF	1401PH-ND	1.37	10.73	39.00	57.00	D101K20Y5PL63L6
10%	5.00	6.35	100pF	1451PH-ND◊	1.79	14.08	51.20	75.45	D101K20Y5PL63L6R
10%	5.00	6.35	150pF	1402PH-ND	1.37	10.73	39.00	57.00	D151K20Y5PL63L6
10%	5.00	6.35	150pF	1452PH-ND◊	1.79	14.08	51.20	75.45	D151K20Y5PL63L6R
10%	5.00	6.35	220pF	1404PH-ND	1.37	10.73	39.00	57.00	D221K20Y5PL63L6
10%	5.00	6.35	220pF	1453PH-ND◊	1.79	14.08	51.20	75.45	D221K20Y5PL63L6R
10%	5.00	6.35	330pF	1406PH-ND	1.37	10.73	39.00	57.00	D331K20Y5PL63L6
10%	5.00	6.35	330pF	1455PH-ND◊	1.79	14.08	51.20	75.45	D331K20Y5PL63L6R
10%	5.00	6.35	470pF	1458PH-ND◊	1.79	14.08	51.20	75.45	D471K20Y5PL63L6R
10%	6.50	6.35	1000pF	1412PH-ND	1.61	12.65	46.00	68.00	D102K25Y5PL63L6
10%	6.50	6.35	1000pF	1457PH-ND◊	1.79	14.08	51.20	75.45	D102K25Y5PL63L6R
10%	9.91	9.52	2200pF	1458PH-ND◊	1.41	11.08	40.30	59.39	D222K33Y5PL63L0R
10%	11.99	9.52	3300pF	1417PH-ND	1.72	13.48	49.00	72.00	D332K39Y5PL63L0
10%	17.53	9.52	0.01µF	1424PH-ND	3.05	23.93	87.00	128.00	D103K69Y5PL63L0
10%	17.53	9.52	0.01µF	1460PH-ND◊	1.51	11.83	43.00	63.37	D103K69Y5PL63L0R

◊ *RoHS Compliant*

Multilayer Ceramic Capacitors

EPCOS

COG

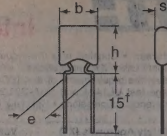
Features: • Good thermal stability • High insulation resistance • Low dissipation factor • Low inductance
Applications • Resonant circuits • Timing elements • Coupling and filtering, particularly in RF circuits
Electrical Data: • Dielectric: Class 1 • Operating temperature range: -55°C ~ 125°C

X7R

Features: • High volumetric efficiency • Non-linear capacitance change • High insulation resistance • High pulse strength **Applications:** • Blocking • Coupling • Decoupling • Interference suppression **Electrical Data:** • Standard: EIA • Dielectric: Class 2 • Operating temperature range: -55°C ~ 125°C

Z5U (Y5U)

Features: • Extremely high volumetric efficiency • Non-linear capacitance change • Y5U characteristic is also fulfilled **Applications:** • Blocking • Coupling • Decoupling • Interference suppression **Electrical Data:** • Standard: EIA • Dielectric: Class 2 • Operating temperature range: -30°C ~ 85°C



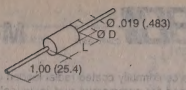
† Bulk parts have 30mm lead len

Type-Tol.	VDC	Cap.	Dimensions(mm) h	b	s	e	Digi-Key Part No.	Bulk Pricing 1	10	100	Digi-Key Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key Part No	Ammo Pack Size	Pricin
	100	10pF	5.5	5.0	2.5	2.5	P4837-ND	.38	2.56	18.03	495-1000-1-ND	1.64	12.51	86.63	495-1000-3-ND	2,500	57,76/
	100	12pF	5.5	5.0	2.5	2.5	P4838-ND	.38	2.56	18.03	495-1001-1-ND	1.64	12.51	86.63	495-1001-3-ND	2,500	57,76/
	100	15pF	5.5	5.0	2.5	2.5	P4839-ND	.14	.93	6.55	495-1002-1-ND	1.64	12.51	86.63	495-1002-3-ND	2,500	57,76/
	100	18pF	5.5	5.0	2.5	2.5	P4840-ND	.38	2.56	18.03	495-1003-1-ND	1.64	12.51	86.63	495-1003-3-ND	2,500	57,76/
	100	22pF	5.5	5.0	2.5	2.5	P4841-ND	.38	2.56	18.03	495-1004-1-ND	.82	6.24	43.20	495-1004-3-ND	2,500	28,80/
	100	27pF	5.5	5.0	2.5	2.5	P4842-ND	.11	.75	5.28	495-1005-1-ND	1.64	12.51	86.63	495-1005-3-ND	2,500	57,76/
	100	33pF	5.5	5.0	2.5	2.5	P4843-ND	.38	2.56	18.03	495-1006-1-ND	1.64	12.51	86.63	495-1006-3-ND	2,500	57,76/
	100	39pF	5.5	5.0	2.5	2.5	—	—	—	—	495-1007-1-ND	1.64	12.51	86.63	495-1007-3-ND	2,500	57,76/
	100	47pF	5.5	5.0	2.5	2.5	P4845-ND	.38	2.56	18.03	495-1008-1-ND	1.64	12.51	86.63	495-1008-3-ND	2,500	57,76/
	100	56pF	5.5	5.0	2.5	2.5	P4846-ND	.38	2.56	18.03	495-1009-1-ND	1.64	12.51	86.63	495-1009-3-ND	2,500	57,76/
	100	68pF	5.5	5.0	2.5	2.5	P4847-ND	.38	2.56	18.03	495-1010-1-ND	1.64	12.51	86.63	495-1010-3-ND	2,500	57,76/
	100	82pF	5.5	5.0	2.5	2.5	P4848-ND	.38	2.56	18.03	495-1011-1-ND	1.64	12.51	86.63	495-1011-3-ND	2,500	57,76/
	100	100pF	5.5	5.0	2.5	2.5	P4849-ND	.11	.75	5.28	495-1012-1-ND	1.64	12.51	86.63	495-1012-3-ND	2,500	57,76/
	100	120pF	5.5	5.0	2.5	2.5	P4850-ND	.38	2.56	18.03	495-1483-1-ND	1.64	12.51	86.63	495-1483-3-ND	2,500	57,76/
	100	150pF	5.5	5.0	2.5	2.5	P4851-ND	.38	2.56	18.03	495-1013-1-ND	1.64	12.51	86.63	495-1013-3-ND	2,500	57,76/
	100	180pF	5.5	5.0	2.5	2.5	P4852-ND	.38	2.56	18.03	495-1484-1-ND	1.64	12.51	86.63	495-1484-3-ND	2,500	57,76/
	100	220pF	5.5	5.0	2.5	5.0	P4853-ND	.50	3.41	24.04	495-1014-1-ND	2.30	17.58	121.73	495-1014-3-ND	2,500	81,16/
	100	270pF	5.5	5.0	2.5	5.0	P4854-ND	.50	3.41	24.04	495-1015-1-ND	2.30	17.58	121.73	495-1015-3-ND	2,500	81,16/
	100	330pF	5.5	5.0	2.5	5.0	P4855-ND	.50	3.41	24.04	495-1016-1-ND	2.30	17.58	121.73	495-1016-3-ND	2,500	81,16/
	100	390pF	5.5	5.0	2.5	5.0	P4856-ND	.50	3.41	24.04	495-1485-1-ND	2.30	17.58	121.73	495-1485-3-ND	2,500	81,16/
	100	470pF	5.5	5.0	2.5	5.0	P4857-ND	.31	2.11	14.85	495-1017-1-ND	2.30	17.58	121.73	495-1017-3-ND	2,500	81,16/
	100	560pF	5.5	5.0	2.5	2.5	P4858-ND	.49	3.62	25.88	495-1486-1-ND	2.59	19.83	137.25	495-1486-3-ND	2,500	91,50/
	100	680pF	5.5	5.0	2.5	5.0	P4859-ND	.11	.82	5.85	495-1018-1-ND	2.59	19.83	137.25	495-1018-3-ND	2,500	91,50/
	100	820pF	5.5	5.0	2.5	5.0	P4860-ND	.57	4.23	30.19	495-1019-1-ND	3.06	23.40	162.00	495-1019-3-ND	2,500	108,00/
	100	1000pF	5.5	5.0	2.5	5.0	P4861-ND	.57	4.23	30.19	495-1020-1-ND	3.06	23.40	162.00	495-1020-3-ND	2,500	108,00/
	100	1200pF	6.5	5.0	2.5	5.0	—	—	—	—	495-1021-1-ND	3.73	28.50	197.33	495-1021-3-ND	2,500	131,56/
COG	100	1500pF	6.5	5.0	2.5	5.0	P4863-ND	.69	5.07	36.23	495-1022-1-ND	3.73	28.50	197.33	495-1022-3-ND	2,500	131,56/
5%	100	1800pF	6.5	5.0	2.5	5.0	—	—	—	—	495-1023-1-ND	7.04	53.85	372.83	495-1023-3-ND	2,500	248,56/
	100	2200pF	6.5	5.0	2.5	5.0	P4865-ND	1.25	9.31	68.37	495-1024-1-ND	7.04	53.85	372.83	495-1024-3-ND	2,500	248,56/
	50	100pF	5.5	5.0	2.5	2.5	P4925-ND	.14	.93	6.55	495-1025-1-ND	1.01	7.74	53.55	495-1025-3-ND	2,500	35,70/
	50	120pF	5.5	5.0	2.5	2.5	P4926-ND	.38	2.56	18.03	495-1026-1-ND	1.64	12.51	86.63	495-1026-3-ND	2,500	57,76/
	50	150pF	5.5	5.0	2.5	2.5	P4927-ND	.38	2.56	18.03	495-1027-1-ND	1.64	12.51	86.63	495-1027-2-ND‡	2,500	57,76/
	50	180pF	5.5	5.0	2.5	2.5	P4928-ND	.38	2.56	18.03	495-1028-1-ND	1.64	12.51	86.63	495-1028-2-ND‡	2,500	57,76/
	50	220pF	5.5	5.0	2.5	2.5	P4929-ND	.14	.93	6.55	495-1029-1-ND	1.64	12.51	86.63	495-1029-3-ND	2,500	57,76/
	50	270pF	5.5	5.0	2.5	2.5	P4930-ND	.38	2.56	18.03	495-1489-1-ND	1.64	12.51	86.63	495-1489-2-ND‡	2,500	57,76/
	50	330pF	5.5	5.0	2.5	2.5	P4931-ND	.38	2.56	18.03	495-1030-1-ND	1.64	12.51	86.63	495-1030-2-ND‡	2,500	57,76/
	50	390pF	5.5	5.0	2.5	2.5	P4932-ND	.44	3.00	21.19	495-1031-1-ND	1.88	14.40	99.68	495-1031-2-ND‡	2,500	66,46/
	50	470pF	5.5	5.0	2.5	2.5	P4933-ND	.44	3.00	21.19	495-1032-1-ND	1.88	14.40	99.68	495-1032-3-ND	2,500	66,46/
	50	560pF	5.5	5.0	2.5	2.5	P4934-ND	.44	3.00	21.19	495-1033-1-ND	2.13	16.25	112.50	495-1033-2-ND‡	2,500	75,00/
	50	680pF	5.5	5.0	2.5	5.0	P4935-ND	.28	2.03	14.50	495-1034-1-ND	2.48	18.95	131.18	495-1034-3-ND	2,500	87,46/
	50	820pF	5.5	5.0	2.5	5.0	P4936-ND	.46	3.38	24.15	495-1035-1-ND	2.48	18.95	131.18	495-1035-3-ND	2,500	87,46/
	50	1000pF	5.5	5.0	2.5	5.0	P4937-ND	.12	.90	6.43	495-1036-1-ND	2.48	18.95	131.18	495-1036-3-ND	2,500	38,56/
	50	1200pF	5.5	5.0	2.5	5.0	P4938-ND	.55	4.07	29.04	—	—	—	—	—	—	—
	50	1500pF	5.5	5.0	2.5	5.0	P4939-ND	.55	4.07	29.04	495-1038-1-ND	2.94	22.49	155.70	495-1038-3-ND	2,500	103,80/
	50	1800pF	5.5	5.0	2.5	5.0	P4940-ND	.68	4.99	35.65	495-1039-1-ND	3.54	27.04	187.20	495-1039-2-ND‡	2,500	124,80/
	50	2200pF	5.5	5.0	2.5	5.0	P4941-ND	.68	4.99	35.65	495-1040-1-ND	1.64	12.51	86.63	495-1040-3-ND	2,500	57,76/
	50	2700pF	6.5	5.0	2.5	5.0	P4942-ND	.82	6.07	44.59	495-1041-1-ND	4.72	36.11	249.98	495-1041-3-ND	2,500	166,66/
	50	3300pF	6.5	5.0	2.5	5.0	P4943-ND	.20	1.49	10.97	495-1042-1-ND	4.72	36.11	249.98	495-1042-3-ND	2,500	166,66/
	50	4700pF	6.5	5.0	2.5	5.0	P4944-ND	1.00	7.43	54.59	495-1043-1-ND	5.72	43.71	302.63	495-1043-3-ND	2,500	201,76/
	50	5600pF	6.5	5.0	2.5	5.0	P4945-ND	1.63	12.21	91.60	495-1044-1-ND	10.24	78.33	542.25	495-1044-3-ND	2,500	361,50/
	50	6800pF	6.5	5.0	2.5	5.0	P4946-ND	1.63	12.21	91.60	495-1045-1-ND	10.24	78.33	542.25	495-1045-3-ND	2,500	361,50/
	50	8200pF	6.5	5.0	2.5	5.0	—	—	—	—	495-1046-1-ND	11.77	90.03	623.25	495-1046-3-ND	2,500	415,50/
	50	10000pF	6.5	5.0	2.5	5.0	P4948-ND	.34	2.55	19.13	495-1047-1-ND	3.61	27.63	191.25	495-1047-3-ND	2,500	127,50/
	100	470pF	5.5	5.0	2.5	2.5	—	—	—	—	495-1048-1-ND*	1.47	11.28	78.08	495-1048-3-ND*	2,500	52,06/
	100	680pF	5.5	5.0	2.5	2.5	P4897-ND	.35	2.38	16.76	495-1049-1-ND	1.47	11.28	78.08	495-1049-3-ND	2,500	52,06/
	100	1000pF	5.5	5.0	2.5	2.5	P4898-ND	.13	.87	6.16	495-1050-1-ND	.95	7.28	50.40	495-1050-3-ND	2,500	33,60/
	100	1500pF	5.5	5.0	2.5	2.5	P4899-ND	.35	2.38	16.76	495-1051-1-ND	1.47	11.28	78.08	495-1051-3-ND	2,500	52,06/
	100	2200pF	5.5	5.0	2.5	2.5	P4900-ND	.35	2.38	16.76	495-1487-1-ND	1.47	11.28	78.08	495-1487-3-ND	2,500	52,06/
	100	3300pF	5.5	5.0	2.5	2.5	P4901-ND	.35	2.38	16.76	495-1052-1-ND	1.47	11.28	78.08	495-1052-3-ND	2,500	52,06/
	100	4700pF	5.5	5.0	2.5	2.5	P4902-ND	.13	.91	6.44	495-1053-1-ND	1.47	11.28	78.08	495-1053-3-ND	2,500	52,06/
	100	6800pF	5.5	5.0	2.5	2.5	P4903-ND	.44	3.00	21.19	495-1054-1-ND	1.89	14.43	99.90	495-1054-3-ND	2,500	66,60/
	100	10000pF	5.5	5.0	2.5	2.5	P4904-ND	.13	.91	6.44	495-1055-1-ND	1.89	14.43	99.90	495-1055-3-ND	2,500	66,60/
	100	15000pF	5.5	5.0	2.5	2.5	P4905-ND	.60	4.05	26.20	495-1488-1-ND	1.89	14.43	99.90	495-1488-3-ND	2,500	66,60/
	100	22000pF	6.5	5.0	2.5	2.5	P4906-ND	.17	1.16	8.20	495-1056-1-ND	2.10	16.02	110.93	495-1056-3-ND	2,500	73,96/
	100	33000pF	6.5	5.0	2.5	2.5	P4907-ND	.54	3.68	25.93	495-1057-1-ND	2.30	17.58	121.73	495-1057-3-ND	2,500	81,16/
	100	47000pF	6.5	5.0	2.5	2.5	P4908-ND	.17	1.24	8.88	495-1058-1-ND	2.78	21.26	147.15	495-1058-3-ND	2,500	98,10/
	100	68000pF	6.5	5.0	2.5	2.5	P4909-ND	.60	4.39	31.34	495-1059-1-ND	3.47	26.52	183.60	495-1059-3-ND	2,500	122,40/
	100	.1uF	6.5	5.0	2.5	2.5	P4910-ND	.23	1.67	11.93	495-1060-1-ND	4.16	31.82	220.28	495-1060-3-ND	2,500	146,86/
	100	.15uF	6.5	5.0	2.5	5.0	P4911-ND	1.24	9.20	67.56	495-1061-1-ND	2.26	17.29	119.70	495-1061-3-ND	2,500	79,80/
X7R	50	3300pF	5.5	5.0	2.5	2.5	P4949-ND	.35	2.38	16.76	495-1062-1-ND	1.40	10.73	74.25	495-1062-2-ND‡	2,500	49,50/
10%	50	4700pF	5.5	5.0	2.5	2.5	P4950-ND	.35	2.38	16.76	495-1063-1-ND	.95	7.28	50.40	495-1063-3-ND	2,500	33,60/
	50	6800pF	5.5	5.0	2.5	2.5	P4951-ND	.35	2.38	16.76	—	—	—	—	—	—	—
	50	10000pF	5.5	5.0	2.5	2.5	P4922-ND	.13	.87	6.16	495-1065-1-ND	.95	7.28	50.40	495-1065-3-ND	2,500	33,60/
	50	15000pF	5.5	5.0	2.5	2.5	P4952-ND	.35	2.38	16.76	495-1066-1-ND	1.40	10.73	74.25	495-1066-3-ND	2,500	49,50/
	50	22000pF	5.5	5.0	2.5	2.5	P4953-ND	.13	.91	6.44	495-1067-1-ND	.99	7.61	52.65	495-1067-3-ND	2,500	35,10/
	50	33000pF	5.5	5.0	2.5	5.0	P4954-ND	.49	3.32	23.40	495-1068-1-ND	2.08	15.93	110.25	495-1068-3-ND	2,500	73,50/
	50	47000pF	5.5	5.0	2.5	5.0	P4955-ND	.16	1.05	7.43	495-1069-1-ND	1.15	8.78	60.75	495-1069-3-ND	2,500	40,50/
	50	68000pF	6.5	5.0	2.5	5.0	P4956-ND	.48	3.54	25.30	495-1070-1-ND	2.55	19.50	135.00	495-1070-3-ND	2,500	90,00/
	50	.1uF	6.5	5.0	2.5	5.0	P4923-ND	.12	.88	6.30	495-1071-1-ND	1.07	8.19	56.70	495-1071-3-ND	2,500	37,80/
	50	.15uF	6.5	5.0	2.5	5.0	P13014-ND†	.40	2.73	19.25	—	—	—	—	—	—	—
	50	.15uF	6.5	5.0	2.5	5.0	P4957-ND	.65	4.78	34.16	495-1072-1-ND	4.34	33.15	229.50	495-1072-3-ND	2,500	153,00/
	50	.22uF	6.5	5.0	2.5	5.0	P4958-ND	.26	1.91	14.05	495-1073-1-ND	7.09	54.21	375.30	495-1073-3-ND	2,500	250,20/
	50	.33uF	9.0	7.5	2.5	5.0	P4959-ND	1.45	10.82	79.45	495-1074-1-ND	8.64	66.11	457.65	495-1074-3-ND	2,000	305,10/
	50	.47uF	9.0	7.5	2.5	5.0	P4960-ND	.42	3.14	23.51	495-1075-1-ND	11.22	85.80	594.00	495-1075-3-ND	2,000	396,00/
	50	.68uF	9.0	7.5	2.5	5.0	P4961-ND	2.42	18.11	135.84	495-1076-1-ND	6.74	51.58	357.08	495-1076-3-ND	2,000	238,05/
	50	1.0uF	9.0	7.5	2.5	5.0	P4962-ND	.67	5.10	38.46	495-1077-1-ND	8.17	62.50	432.58	495-1077-3-ND	2,000	288,45/
	50	10000pF	5.5	5.0	2.5	2.5	P4963-ND	.12	.80	5.64	495-1078-1-ND	1.40	10.73	74.25	495-1078-3-ND	2,500	49,50/
	50	22000pF	5.5	5.0	2.5	2.5	P4964-ND	.32	2.15	15.18	495-1079-1-ND	1.40	10.73	74.25	495-1079-3-ND	2,500	49,50/
Z5U	50	47000pF	5.5	5.0	2.5	2.5	P4965-ND	.37	2.51	17.71	495-1080-1-ND	1.62	12.42	85.95	495-1080-3-ND	2,500	57,30/
(Y5U)	50	.1uF	5.5	5.0	2.5	2.5	P4924-ND	.15	1.02	7.21	495-1081-1-ND	1.84	14.11	97.65	495-1081-3-ND	2,500	65,10/
20%	50	.22uF	6.5	5.0	2.5	5.0	P4966-ND	.19	1.40	10.03	495-1082-1-ND	1.70	13.03	90.23	495-1082-3-ND	2,500	60,16/
	50	.47uF	6.5	5.0	2.5	5.0	P4967-ND	.17	1.28	9.40	495-1083-1-ND	1.11	8.52	58.95	495-1083-3-ND	2,500	39,30/
	50	1.0uF	6.5	5.0	2.5	5.0	P4968-ND	.35	2.60	19.11	495-1490-1-ND	8.49	64.90	449.33	495-1490-3-ND	2,500	299,56/
	50	2.2uF	9.0	7.5	2.5	5.0	P4969-ND	3.24	24.56	185.38	495-1084-1-ND	23.42	179.08	1239.75	495-1084-3-ND	2,000	826,50/

‡ Tape and Reel * 20% tolerance

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

SpinGuard® Axial Leaded Ceramic Capacitors



SpinGuard series is the industry leading conformally coated axial leaded multilayer capacitor.

Applications: • Decoupling • Filtering

Dielectric	VDC	Cap.	Cap. Tol. (%)	Dimensions - Inch (mm) L Maximum	D Maximum	Digi-Key Part No.	Cut Tape Pricing 1	10	100	1000	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
	200	22pF	±5	.170 (4.32)	.100 (2.54)	478-2426-1-ND	.16	1.53	11.05	76.50	478-2426-2-ND	7,500	51.00/M	SA102A220JAA
	200	22pF	±5	.170 (4.32)	.100 (2.54)	478-3142-1-ND§	.16	1.53	11.05	76.50	478-3142-2-ND§	7,500	51.00/M	SA102A220JAR
0G	200	100pF	±5	.170 (4.32)	.100 (2.54)	478-2425-1-ND	.16	1.53	11.05	76.50	478-2425-2-ND	7,500	51.00/M	SA102A101JAA
	200	100pF	±5	.170 (4.32)	.100 (2.54)	478-3141-1-ND§	.16	1.53	11.05	76.50	478-3141-2-ND§	7,500	51.00/M	SA102A101JAR
	50	1000pF	±5	.170 (4.32)	.100 (2.54)	478-2431-1-ND	.19	1.80	13.00	90.00	478-2431-2-ND	7,500	60.00/M	SA105A102JAA
	50	1000pF	±5	.170 (4.32)	.100 (2.54)	478-3147-1-ND§	.19	1.80	13.00	90.00	478-3147-2-ND§	7,500	60.00/M	SA105A102JAR
	100	1000pF	±10	.170 (4.32)	.100 (2.54)	478-2427-1-ND	.13	1.26	9.10	63.00	—	—	—	SA101C102KAA
	100	1000pF	±10	.170 (4.32)	.100 (2.54)	478-3143-1-ND§	.13	1.26	9.10	63.00	478-3143-2-ND§	7,500	42.00/M	SA101C102KAR
	100	10000pF	±10	.170 (4.32)	.100 (2.54)	478-2428-1-ND	.13	1.26	9.10	63.00	478-2428-2-ND	7,500	42.00/M	SA101C103KAA
	100	10000pF	±10	.170 (4.32)	.100 (2.54)	478-3144-1-ND§	.13	1.26	9.10	63.00	478-3144-2-ND§	7,500	42.00/M	SA101C103KAR
	100	56000pF	±10	.290 (7.37)	.150 (3.81)	478-2429-1-ND	.31	2.93	21.13	146.25	478-2429-2-ND	5,000	98.00/M	SA301C563KAA
	100	56000pF	±10	.290 (7.37)	.150 (3.81)	478-3145-1-ND§	.31	2.93	21.13	146.25	478-3145-2-ND§	5,000	98.00/M	SA301C563KAR
	100	.10µF	±10	.290 (7.37)	.150 (3.81)	478-2430-1-ND	.32	3.06	22.10	153.00	478-2430-2-ND	5,000	102.00/M	SA301C104KAA
	100	.10µF	±10	.290 (7.37)	.150 (3.81)	478-3146-1-ND§	.32	3.06	22.10	153.00	478-3146-2-ND§	5,000	102.00/M	SA301C104KAR
7R	50	10000pF	±10	.170 (4.32)	.100 (2.54)	478-2432-1-ND	.13	1.22	8.78	60.75	478-2432-2-ND	7,500	41.00/M	SA105C103KAA
	50	10000pF	±10	.170 (4.32)	.100 (2.54)	478-3148-1-ND§	.13	1.22	8.78	60.75	478-3148-2-ND§	7,500	41.00/M	SA105C103KAR
	50	47000pF	±10	.170 (4.32)	.100 (2.54)	478-2433-1-ND	.18	1.67	12.03	83.25	478-2433-2-ND	7,500	56.00/M	SA105C473KAA
	50	47000pF	±10	.170 (4.32)	.100 (2.54)	478-3149-1-ND§	.18	1.67	12.03	83.25	478-3149-2-ND§	7,500	56.00/M	SA105C473KAR
	50	.10µF	±10	.170 (4.32)	.100 (2.54)	478-3150-1-ND§	.14	1.35	9.75	67.50	478-3150-2-ND§	7,500	45.00/M	SA105C104KAR
	50	.10µF	±10	.170 (4.32)	.120 (3.05)	478-2435-1-ND	.16	1.53	11.05	76.50	—	—	—	SA115C104KAA
	50	.10µF	±10	.170 (4.32)	.120 (3.05)	478-3151-1-ND§	.16	1.53	11.05	76.50	478-3151-2-ND§	5,000	51.00/M	SA115C104KAR
	50	.10µF	±10	.260 (6.60)	.100 (2.54)	478-2436-1-ND	.21	2.03	14.63	101.25	478-2436-2-ND	5,000	68.00/M	SA205C104KAA
	50	.10µF	±10	.260 (6.60)	.100 (2.54)	478-3152-1-ND§	.21	2.03	14.63	101.25	478-3152-2-ND§	5,000	68.00/M	SA205C104KAR
	50	.22µF	±10	.290 (7.37)	.150 (3.81)	478-3153-1-ND§	.53	5.04	36.40	252.00	478-3153-2-ND§	5,000	168.00/M	SA305C224KAR
	100	.10µF	±20	.170 (4.32)	.120 (3.05)	478-2438-1-ND	.13	1.26	9.10	63.00	—	—	—	SA111E104MAA
	100	.10µF	±20	.170 (4.32)	.120 (3.05)	478-3154-1-ND§	.13	1.26	9.10	63.00	478-3154-2-ND§	5,000	42.00/M	SA111E104MAR
	50	10000pF	±20	.170 (4.32)	.100 (2.54)	478-2439-1-ND	.13	1.26	9.10	63.00	—	—	—	SA105E103MAA
	50	10000pF	±20	.170 (4.32)	.100 (2.54)	478-3155-1-ND§	.13	1.26	9.10	63.00	478-3155-2-ND§	7,500	42.00/M	SA105E103MAR
	50	.10µF	±20	.170 (4.32)	.100 (2.54)	478-2440-1-ND	.13	1.26	9.10	63.00	—	—	—	SA105E104MAA
5U	50	.10µF	±20	.170 (4.32)	.100 (2.54)	478-3156-1-ND§	.13	1.26	9.10	63.00	478-3156-2-ND§	7,500	42.00/M	SA105E104MAR
	50	.10µF	+80/-20	.170 (4.32)	.100 (2.54)	478-3157-1-ND§	.13	1.26	9.10	63.00	478-3157-2-ND§	7,500	42.00/M	SA105E104ZAR
	50	.47µF	±20	.290 (7.37)	.150 (3.81)	478-2442-1-ND	.43	4.05	29.25	202.50	478-2442-2-ND	5,000	135.00/M	SA305E474MAA
	50	.47µF	±20	.290 (7.37)	.150 (3.81)	478-3158-1-ND§	.43	4.05	29.25	202.50	478-3158-2-ND§	5,000	135.00/M	SA305E474MAR
	50	1.0µF	±20	.290 (7.37)	.150 (3.81)	478-2443-1-ND	.61	5.81	41.93	290.25	—	—	—	SA305E105MAA
	50	1.0µF	±20	.290 (7.37)	.150 (3.81)	478-3159-1-ND§	.61	5.81	41.93	290.25	478-3159-2-ND§	5,000	194.00/M	SA305E105MAR

RoHS Compliant

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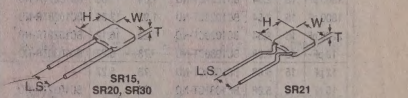
SkyCap® Radial Leaded Ceramic Capacitors

SkyCap series is the industry leading conformally coated radial leaded multilayer capacitor.

Applications: • Decoupling • Filtering • Automotive

Size Code	Dimensions Inch (mm) W Max.	H Max.	T Max.	L.S
15	.150 (3.81)	.150 (3.81)	.100 (2.54)	.100 (2.54)
20	.200 (5.08)	.200 (5.08)	.125 (3.175)	.100 (2.54)
21	.200 (5.08)	.200 (5.08)	.125 (3.175)	.200 (5.08)
30	.300 (7.62)	.300 (7.62)	1.50 (3.81)	.200 (5.08)



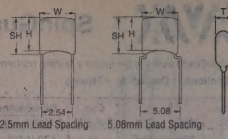
Dielectric	Size Code	VDC	Cap.	Cap. Tol. (%)	Digi-Key Part No.	Pricing 1	10	100	500	1000	AVX Part No.
	15	200	10pF	±10	478-2444-ND	.20	1.51	10.75	38.70	60.20	SR152A100KAA
	15	200	10pF	±10	478-3160-ND§	.20	1.51	10.75	38.70	60.20	SR152A100KAR
	15	200	15pF	±10	478-2445-ND	.20	1.51	10.75	38.70	60.20	SR152A150KAA
	15	200	15pF	±10	478-3161-ND§	.20	1.51	10.75	38.70	60.20	SR152A150KAR
	15	200	22pF	±10	478-3162-ND§	.20	1.51	10.75	38.70	60.20	SR152A220KAR
	15	200	33pF	±10	478-3163-ND§	.20	1.51	10.75	38.70	60.20	SR152A330KAR
	15	200	47pF	±10	478-2448-ND	.20	1.51	10.75	38.70	60.20	SR152A470KAA
	15	200	47pF	±10	478-3164-ND§	.20	1.51	10.75	38.70	60.20	SR152A470KAR
	15	200	68pF	±10	478-2449-ND	.20	1.51	10.75	38.70	60.20	SR152A680KAA
	15	200	68pF	±10	478-3165-ND§	.20	1.51	10.75	38.70	60.20	SR152A680KAR
	15	100	100pF	±10	478-3166-ND§	.17	1.26	9.00	32.40	50.40	SR151A101KAR
	15	100	150pF	±10	478-3167-ND§	.17	1.26	9.00	32.40	50.40	SR151A151KAR
	15	100	220pF	±10	478-3168-ND§	.19	1.37	9.75	35.10	54.60	SR151A221KAR
	15	100	330pF	±10	478-3169-ND§	.19	1.44	10.25	36.90	57.40	SR151A331KAR
	15	100	470pF	±10	478-3170-ND§	.20	1.51	10.75	38.70	60.20	SR151A471KAR
	15	100	680pF	±10	478-2455-ND	.22	1.61	11.50	41.40	64.40	SR151A681KAA
	15	100	680pF	±10	478-3171-ND§	.22	1.61	11.50	41.40	64.40	SR151A681KAR
	15	100	1000pF	±10	478-2456-ND	.19	1.44	10.25	36.90	57.40	SR151C102KAA
	15	100	1000pF	±10	478-3172-ND§	.19	1.44	10.25	36.90	57.40	SR151C102KAR
	15	100	1500pF	±10	478-2457-ND	.19	1.44	10.25	36.90	57.40	SR151C152KAA
	15	100	1500pF	±10	478-3173-ND§	.19	1.44	10.25	36.90	57.40	SR151C152KAR
	15	100	2200pF	±10	478-2458-ND	.24	1.79	12.75	45.90	71.40	SR151C222KAA
	15	100	2200pF	±10	478-3174-ND§	.24	1.79	12.75	45.90	71.40	SR151C222KAR
	15	100	3300pF	±10	478-2459-ND	.24	1.79	12.75	45.90	71.40	SR151C332KAA
	15	100	3300pF	±10	478-3175-ND§	.24	1.79	12.75	45.90	71.40	SR151C332KAR
	15	100	4700pF	±10	478-2460-ND	.27	1.96	14.00	50.40	78.40	SR151C472KAA
	15	100	4700pF	±10	478-3176-ND§	.27	1.96	14.00	50.40	78.40	SR151C472KAR
	15	100	6800pF	±10	478-3177-ND§	.27	1.96	14.00	50.40	78.40	SR151C682KAR
	15	100	10000pF	±10	478-3178-ND§	.24	1.75	12.50	45.00	70.00	SR151C103KAR
	21	100	10000pF	±10	478-3179-ND§	.21	1.54	11.00	39.60	61.60	SR211C103KAR
	21	100	15000pF	±10	478-2464-ND	.21	1.58	11.25	40.50	63.00	SR211C153KAA
	21	100	15000pF	±10	478-3180-ND§	.21	1.58	11.25	40.50	63.00	SR211C153KAR
	21	100	22000pF	±10	478-3181-ND§	.24	1.79	12.75	45.90	71.40	SR211C223KAR
	21	100	33000pF	±10	478-2466-ND	.24	1.79	12.75	45.90	71.40	SR211C333KAA
	21	100	33000pF	±10	478-3182-ND§	.24	1.79	12.75	45.90	71.40	SR211C333KAR
	21	100	47000pF	±10	478-2467-ND	.24	1.79	12.75	45.90	71.40	SR211C473KAA
X7R	21	100	47000pF	±10	478-3183-ND§	.24	1.79	12.75	45.90	71.40	SR211C473KAR
	21	100	68000pF	±10	478-2468-ND	.24	1.79	12.75	45.90	71.40	SR211C683KAA
	21	100	68000pF	±10	478-3184-ND§	.24	1.79	12.75	45.90	71.40	SR211C683KAR
	21	100	.10µF	±10	478-3185-ND§	.24	1.79	12.75	45.90	71.40	SR211C104KAR
	20	50	68000pF	±10	478-2470-ND	.21	1.58	11.25	40.50	63.00	SR205C683KAA
	20	50	68000pF	±10	478-3186-ND§	.21	1.58	11.25	40.50	63.00	SR205C683KAR
	20	50	.10µF	±10	478-3187-ND§	.24	1.79	12.75	45.90	71.40	SR205C104KAR
	21	50	.10µF	±10	478-3188-ND§	.24	1.79	12.75	45.90	71.40	SR215C104KAR
	30	50	.47µF	±10	478-2473-ND	1.01	7.46	53.25	191.70	298.20	SR305C474KAA
	30	50	.47µF	±10	478-3189-ND§	1.01	7.46	53.25	191.70	298.20	SR305C474KAR
	21	100	.10µF	+80/-20	478-2474-ND	.27	1.96	14.00	50.40	78.40	SR211E104ZAA
	21	100	.10µF	+80/-20	478-3190-ND§	.27	1.96	14.00	50.40	78.40	SR211E104ZAR
	21	100	.22µF	+80/-20	478-2475-ND	.35	2.56	18.25	65.70	102.20	SR211E224ZAA
	21	100	.22µF	+80/-20	478-3191-ND§	.35	2.56	18.25	65.70	102.20	SR211E224ZAR
Z5U	20	50	.10µF	±20	478-3192-ND§	.16	1.19	8.50	30.60	47.60	SR205E104MAR
	21	50	.10µF	±20	478-3193-ND§	.15	1.12	8.00	28.80	44.80	SR215E104MAR
	21	50	.33µF	±20	478-2478-ND	.37	2.70	19.25	69.30	107.80	SR215E334MAA
	21	50	.33µF	±20	478-3194-ND§	.37	2.70	19.25	69.30	107.80	SR215E334MAR
	30	50	1.0µF	±20	478-3195-ND§	.59	4.34	31.00	111.60	173.60	SR305E105MAR

§ *RoHS Compliant*

Mono-Kap™ Leaded Ceramic Multilayer Capacitors

These conformally coated radial leaded capacitors are designed for commercial and industrial applications, such as: timing, coupling/decoupling, signal comparison and biasing.

Size Code	Dimensions (mm) W Max.	H Max.	T Max.	SH Max. 2.54mm LS	5.08mm LS
15	4.0	4.0	2.5	5.58	6.5
20	5.0	5.0	3.2	6.58	7.5



Cap. Value	Size Code	LS	Digi-Key Part No.	Cut Tape Pricing 10	100	Digi-Key Part No.	Tape & Reel Pricing	BC Components Part No.
Type COG 50V ±5%								
10 pF	15	2.54	BC1001CT-ND	.74	5.36	BC1001TR-ND	100.00/4,000	K100J15C0GF5TL2
12 pF	15	2.54	BC1002CT-ND	.73	5.27	BC1002TR-ND	96.00/4,000	K120J15C0GF5TL2
15 pF	15	2.54	BC1003CT-ND	.74	5.36	BC1003TR-ND	100.00/4,000	K150J15C0GF5TL2
18 pF	15	2.54	BC1004CT-ND	.73	5.27	BC1004TR-ND	96.00/4,000	K180J15C0GF5TL2
22 pF	15	2.54	BC1005CT-ND	.74	5.36	BC1005TR-ND	100.00/4,000	K220J15C0GF5TL2
27 pF	15	2.54	BC1006CT-ND	.74	5.36	BC1006TR-ND	100.00/4,000	K270J15C0GF5TL2
33 pF	15	2.54	BC1007CT-ND	.74	5.36	BC1007TR-ND	99.00/4,000	K330J15C0GF5TL2
39 pF	15	2.54	BC1008CT-ND	.74	5.36	BC1008TR-ND	100.00/4,000	K390J15C0GF5TL2
47 pF	15	2.54	BC1009CT-ND	.73	5.27	BC1009TR-ND	96.00/4,000	K470J15C0GF5TL2
56 pF	15	2.54	BC1010CT-ND	.74	5.36	BC1010TR-ND	100.00/4,000	K560J15C0GF5TL2
68 pF	15	2.54	BC1011CT-ND	.73	5.27	BC1011TR-ND	96.00/4,000	K680J15C0GF5TL2
82 pF	15	2.54	BC1012CT-ND	.73	5.27	BC1012TR-ND	96.00/4,000	K820J15C0GF5TL2
100 pF	15	2.54	BC1013CT-ND	.73	5.27	BC1013TR-ND	96.00/4,000	K101J15C0GF5TL2
120 pF	15	2.54	BC1014CT-ND	.88	6.34	BC1014TR-ND	116.00/4,000	K121J15C0GF5TL2
150 pF	15	2.54	BC1015CT-ND	.88	6.34	BC1015TR-ND	116.00/4,000	K151J15C0GF5TL2
180 pF	15	2.54	BC1016CT-ND	.90	6.47	BC1016TR-ND	120.00/4,000	K181J15C0GF5TL2
220 pF	15	2.54	BC1017CT-ND	.88	6.34	BC1017TR-ND	116.00/4,000	K221J15C0GF5TL2
270 pF	15	2.54	BC1018CT-ND	1.08	7.80	BC1018TR-ND	144.00/4,000	K271J15C0GF5TL2
330 pF	15	2.54	BC1019CT-ND	1.10	7.96	BC1019TR-ND	148.00/4,000	K331J15C0GF5TL2
390 pF	15	2.54	BC1020CT-ND	1.08	7.80	BC1020TR-ND	144.00/4,000	K391J15C0GF5TL2
470 pF	15	2.54	BC1021CT-ND	1.08	7.80	BC1021TR-ND	144.00/4,000	K471J15C0GF5TL2
560 pF	15	2.54	BC1022CT-ND	1.32	9.56	BC1022TR-ND	176.00/4,000	K561J15C0GF5TL2
680 pF	15	2.54	BC1023CT-ND	1.32	9.56	BC1023TR-ND	176.00/4,000	K681J15C0GF5TL2
820 pF	15	2.54	BC1024CT-ND	1.32	9.56	BC1024TR-ND	176.00/4,000	K821J15C0GF5TL2
1000 pF	15	2.54	BC1025CT-ND	1.10	7.96	BC1025TR-ND	148.00/4,000	K102J15C0GF5TL2
1200 pF	15	2.54	BC1026CT-ND	1.92	13.88	BC1026TR-ND	256.00/4,000	K122J15C0GF5TL2
1500 pF	15	2.54	BC1027CT-ND	1.64	11.86	BC1027TR-ND	220.00/4,000	K152J15C0GF5TL2
1800 pF	15	2.54	BC1028CT-ND	1.92	13.88	BC1028TR-ND	256.00/4,000	K182J15C0GF5TL2
2200 pF	15	2.54	BC1029CT-ND	2.23	16.12	BC1029TR-ND	296.00/4,000	K222J15C0GF5TL2
10 pF	15	5.08	BC1030CT-ND	.73	5.27	BC1030TR-ND	96.00/4,000	K100J15C0GF5TH5
12 pF	15	5.08	BC1031CT-ND	.73	5.27	—	—	K120J15C0GF5TH5
15 pF	15	5.08	BC1032CT-ND	.73	5.27	BC1032TR-ND	96.00/4,000	K150J15C0GF5TH5
18 pF	15	5.08	BC1033CT-ND	.74	5.36	BC1033TR-ND	100.00/4,000	K180J15C0GF5TH5
22 pF	15	5.08	BC1034CT-ND	.74	5.36	BC1034TR-ND	100.00/4,000	K220J15C0GF5TH5
27 pF	15	5.08	BC1035CT-ND	.73	5.27	BC1035TR-ND	96.00/4,000	K270J15C0GF5TH5
33 pF	15	5.08	BC1036CT-ND	.73	5.27	BC1036TR-ND	96.00/4,000	K330J15C0GF5TH5
47 pF	15	5.08	BC1038CT-ND	.73	5.27	BC1038TR-ND	96.00/4,000	K470J15C0GF5TH5
56 pF	15	5.08	BC1039CT-ND	.73	5.27	BC1039TR-ND	96.00/4,000	K560J15C0GF5TH5
68 pF	15	5.08	BC1040CT-ND	.73	5.27	BC1040TR-ND	96.00/4,000	K680J15C0GF5TH5
82 pF	15	5.08	BC1041CT-ND	.73	5.27	BC1041TR-ND	96.00/4,000	K820J15C0GF5TH5
100 pF	15	5.08	BC1042CT-ND	.73	5.27	BC1042TR-ND	96.00/4,000	K101J15C0GF5TH5
150 pF	15	5.08	BC1043CT-ND	.88	6.34	BC1043TR-ND	116.00/4,000	K151J15C0GF5TH5
220 pF	15	5.08	BC1044CT-ND	.88	6.34	BC1044TR-ND	116.00/4,000	K221J15C0GF5TH5
330 pF	15	5.08	BC1045CT-ND	1.08	7.80	BC1045TR-ND	144.00/4,000	K331J15C0GF5TH5
470 pF	15	5.08	BC1046CT-ND	1.10	7.96	BC1046TR-ND	148.00/4,000	K471J15C0GF5TH5
1000 pF	15	5.08	BC1048CT-ND	1.08	7.80	BC1048TR-ND	144.00/4,000	K102J15C0GF5TH5
1500 pF	15	5.08	BC1049CT-ND	1.92	13.88	—	—	K152J15C0GF5TH5
2200 pF	15	5.08	BC1050CT-ND	2.23	16.12	BC1050TR-ND	296.00/4,000	K222J15C0GF5TH5
3300 pF	20	5.08	BC1051CT-ND	4.95	35.78	BC1051TR-ND	495.00/3,000	K332J20C0GF5TH5
4700 pF	20	5.08	BC1052CT-ND	5.05	36.50	BC1052TR-ND	504.00/3,000	K472J20C0GF5TH5
Type COG 100V ±5%								
10 pF	15	2.54	BC1054CT-ND	1.11	8.03	BC1054TR-ND	148.00/4,000	K100J15C0GH5TL2
22 pF	15	2.54	BC1055CT-ND	1.11	8.03	BC1055TR-ND	148.00/4,000	K220J15C0GH5TL2
100 pF	15	2.54	BC1057CT-ND	1.11	8.03	BC1057TR-ND	148.00/4,000	K101J15C0GH5TL2
220 pF	15	2.54	BC1058CT-ND	1.41	10.17	BC1058TR-ND	188.00/4,000	K221J15C0GH5TL2
100 pF	15	5.08	BC1064CT-ND	1.11	8.03	BC1064TR-ND	148.00/4,000	K101J15C0GH5TH5
220 pF	15	5.08	BC1065CT-ND	1.38	9.98	BC1065TR-ND	184.00/4,000	K221J15C0GH5TH5
470 pF	15	5.08	BC1066CT-ND	1.77	12.77	BC1066TR-ND	236.00/4,000	K471J15C0GH5TH5
Type X7R 50V ±10%								
220 pF	15	2.54	BC1068CT-ND	.67	4.81	BC1068TR-ND	88.00/4,000	K221K15X7RF5TL2
330 pF	15	2.54	BC1069CT-ND	.67	4.81	—	—	K331K15X7RF5TL2
680 pF	15	2.54	BC1071CT-ND	.68	4.91	BC1071TR-ND	92.00/4,000	K681K15X7RF5TL2
1000 pF	15	2.54	BC1072CT-ND	.68	4.91	BC1072TR-ND	92.00/4,000	K102K15X7RF5TL2

Cap. Value	Size Code	LS	Digi-Key Part No.	Cut Tape Pricing 10	100	Digi-Key Part No.	Tape & Reel Pricing	BC Components Part No.
2200 pF	15	2.54	BC1074CT-ND	.67	4.84	BC1074TR-ND	88.00/4,000	K222K15X7RF5T
3300 pF	15	2.54	BC1075CT-ND	.68	4.94	BC1075TR-ND	92.00/4,000	K332K15X7RF5T
4700 pF	15	2.54	BC1076CT-ND	.67	4.84	BC1076TR-ND	88.00/4,000	K472K15X7RF5T
6800 pF	15	2.54	BC1077CT-ND	.67	4.84	BC1077TR-ND	88.00/4,000	K682K15X7RF5T
.01 µF	15	2.54	BC1078CT-ND	.68	4.91	BC1078TR-ND	92.00/4,000	K103K15X7RF5T
.022 µF	15	2.54	BC1080CT-ND	.75	5.43	BC1080TR-ND	100.00/4,000	K223K15X7RF5T
.033 µF	15	2.54	BC1081CT-ND	.82	5.92	BC1081TR-ND	108.00/4,000	K333K15X7RF5T
.047 µF	15	2.54	BC1082CT-ND	.80	5.75	BC1082TR-ND	108.00/4,000	K473K15X7RF5T
.068 µF	15	2.54	BC1083CT-ND	1.14	8.22	BC1083TR-ND	152.00/4,000	K683K15X7RF5T
.1 µF	15	2.54	BC1084CT-ND	.77	5.59	BC1084TR-ND	105.00/4,000	K104K15X7RF5T
220 pF	15	5.08	BC1085CT-ND	.67	4.81	BC1085TR-ND	88.00/4,000	K221K15X7RF5T
330 pF	15	5.08	BC1086CT-ND	.67	4.81	BC1086TR-ND	88.00/4,000	K331K15X7RF5T
470 pF	15	5.08	BC1087CT-ND	.67	4.81	BC1087TR-ND	88.00/4,000	K471K15X7RF5T
680 pF	15	5.08	BC1088CT-ND	.67	4.81	—	—	K681K15X7RF5T
1000 pF	15	5.08	BC1089CT-ND	.67	4.81	BC1089TR-ND	88.00/4,000	K102K15X7RF5T
2200 pF	15	5.08	BC1091CT-ND	.67	4.84	BC1091TR-ND	88.00/4,000	K222K15X7RF5T
3300 pF	15	5.08	BC1092CT-ND	.67	4.84	BC1092TR-ND	88.00/4,000	K332K15X7RF5T
4700 pF	15	5.08	BC1093CT-ND	.67	4.84	BC1093TR-ND	88.00/4,000	K472K15X7RF5T
6800 pF	15	5.08	BC1094CT-ND	.67	4.84	BC1094TR-ND	88.00/4,000	K682K15X7RF5T
.01 µF	15	5.08	BC1095CT-ND	.68	4.91	BC1095TR-ND	92.00/4,000	K103K15X7RF5T
.015 µF	15	5.08	BC1096CT-ND	.75	5.40	BC1096TR-ND	100.00/4,000	K153K15X7RF5T
.022 µF	15	5.08	BC1097CT-ND	.75	5.43	BC1097TR-ND	100.00/4,000	K223K15X7RF5T
.033 µF	15	5.08	BC1098CT-ND	.80	5.79	BC1098TR-ND	108.00/4,000	K333K15X7RF5T
.047 µF	15	5.08	BC1099CT-ND	.80	5.75	BC1099TR-ND	108.00/4,000	K473K15X7RF5T
.1 µF	15	5.08	BC1101CT-ND	.79	5.69	BC1101TR-ND	105.00/4,000	K104K15X7RF5T
.15 µF	20	5.08	BC1102CT-ND	3.54	25.58	BC1102TR-ND	354.00/3,000	K154K20X7RF5T
.22 µF	20	5.08	BC1103CT-ND	2.22	16.02	BC1103TR-ND	222.00/3,000	K224K20X7RF5T
Type X7R 100V ±10%								
1000 pF	15	2.54	BC1108CT-ND	.76	5.49	BC1108TR-ND	100.00/4,000	K102K15X7RH5T
4700 pF	15	2.54	BC1110CT-ND	.80	5.75	BC1110TR-ND	108.00/4,000	K472K15X7RH5T
.01 µF	15	2.54	BC1111CT-ND	.98	7.09	BC1111TR-ND	132.00/4,000	K103K15X7RH5T
.022 µF	20	2.54	BC1112CT-ND	1.44	10.43	BC1112TR-ND	192.00/4,000	K223K20X7RH5T
.1 µF	20	2.54	BC1114CT-ND	1.92	13.85	BC1114TR-ND	191.70/3,000	K104K20X7RH5T
470 pF	15	5.08	BC1116CT-ND	.75	5.43	BC1116TR-ND	100.00/4,000	K471K15X7RH5T
1000 pF	15	5.08	BC1117CT-ND	.76	5.49	BC1117TR-ND	100.00/4,000	K102K15X7RH5T
2200 pF	15	5.08	BC1118CT-ND	.80	5.75	—	—	K222K15X7RH5T
.01 µF	15	5.08	BC1120CT-ND	.98	7.09	BC1120TR-ND	132.00/4,000	K103K15X7RH5T
.047 µF	20	5.08	BC1122CT-ND	2.07	14.92	BC1122TR-ND	207.00/3,000	K473K20X7RH5T
.1 µF	20	5.08	BC1123CT-ND	1.92	13.85	BC1123TR-ND	192.00/3,000	K104K20X7RH5T
Type Z5U 50V ±20%								
.15 µF	15	2.54	BC1128CT-ND	1.80	13.00	—	—	K154M15Z5UF5T
Type Z5U 100V ±20%								
.022 µF	20	2.54	BC1141CT-ND	1.46	10.53	—	—	K223M20Z5UH5T
.047 µF	20	2.54	BC1142CT-ND	1.98	14.30	—	—	K473M20Z5UH5T
Type Y5V 25V +80/-20%								
.022 µF	15	2.54	BC1147CT-ND	1.31	9.43	—	—	K223Z15Y5VE5T
.1 µF	15	2.54	BC1148CT-ND	.65	4.68	BC1148TR-ND	86.40/4,000	K104Z15Y5VE5T
.47 µF	20	2.54	BC1150CT-ND	2.89	20.90	BC1150TR-ND	289.35/3,000	K474Z20Y5VE5T
1 µF	20	2.54	BC1151CT-ND	4.50	32.50	BC1151TR-ND	450.00/3,000	K105Z20Y5VE5T
.01 µF	15	5.08	BC1152CT-ND	1.13	8.13	BC1152TR-ND	150.00/4,000	K103Z15Y5VE5T
1 µF	20	5.08	BC1157CT-ND	4.50	32.50	BC1157TR-ND	450.00/3,000	K105Z20Y5VE5T
Type Y5V 50V +80/-20%								
.01 µF	15	2.54	BC1158CT-ND	.69	4.97	BC1158TR-ND	92.00/4,000	K103Z15Y5VF5T
.022 µF	15	2.54	BC1159CT-ND	.69	4.97	—	—	K223Z15Y5VF5T
.1 µF	15	2.54	BC1160CT-ND	.65	4.68	BC1160TR-ND	86.40/4,000	K104Z15Y5VF5T
1 µF	20	2.54	BC1162CT-ND	1.71	12.32	BC1162TR-ND	171.00/3,000	K105Z20Y5VF5T
.01 µF	15	5.08	BC1163CT-ND	.69	4.97	BC1163TR-ND	92.00/4,000	K103Z15Y5VF5T
.022 µF	15	5.08	BC1164CT-ND	.69	4.97	—	—	K223Z15Y5VF5T
.1 µF	15	5.08	BC1165CT-ND	.65	4.68	BC1165TR-ND	88.00/4,000	K104Z15Y5VF5T
.47 µF	20	5.08	BC1167CT-ND	1.88	13.55	BC1167TR-ND	189.00/3,000	K474Z20Y5VF5T
1 µF	20	5.08	BC1168CT-ND	1.74	12.58	BC1168TR-ND	174.00/3,000	K105Z20Y5VF5T

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Panasonic

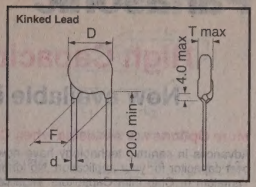
High Voltage Ceramic Disc Capacitors

BP Characteristics Y5P, 1 to 3 kVDC

atures: • Wide operating temperature: -25º ~ 125ºC • Improved in "Voltage vs. Temperature Rise" through low-loss ceramic dielectric material applied • Flame-retardant ulating coating applied • Easy mounting through Kinked Lead

commended Applications: • Snubber circuit of switching power supply • Horizontal resonance circuit of TV and CRT display • Inverter type lighting apparatus • High tage pulse and DC circuits

ecifications: • **Characteristic:** KBP • **Operating Temperature Range:** -25º ~ 125ºC • **Rated Voltage:** 1-3 kVDC • **Dielectric Withstanding Voltage:** Rated voltage 1 to 3 kVDC: 0% of rated voltage for 1 to 5 seconds • **Capacitance:** Within the specified tolerance when measured at 1 kHz ± 20%, 1 to 5 Vrms, and 20ºC • **Q or Dissipation Factor:** Tanδ ≥ 0.025 **nsulation Resistance:** 10,000MΩ minimum at 500VDC 1 minute,electrification • **Temperature Characteristics:** Temperature Coefficient: +350 ~ -1000 ppm/ºC (Temperature Range: ? ~ 85ºC) • Y5P: Maximum capacitance change is ±10% over temperature range of -25º ~ 85ºC



olt-ge	Capac-itance	Tolerance	Temp. Char.	Dimensions (mm) D	T	F	d	Kinked Lead - *RoHS Compliant* Digi-Key Part No.	Pricing 10	100	1,000	Panasonic Part No.	Straight Lead (Not recommended for New Design) Digi-Key Part No.	Pricing 10	100	1000	Panasonic Part No.
	100pF	±10%	Y5P	6.0	4.5	5.00	.6	P9530-ND	2.20	14.25	62.85	ECK-A3A101KBP	P4116-ND	2.61	18.43	100.50	ECK-D3A101KBP
	120pF	±10%	Y5P	6.0	4.5	5.00	.6	P9531-ND	2.20	14.25	62.85	ECK-A3A121KBP	—	—	—	—	—
	150pF	±10%	Y5P	6.0	4.5	5.00	.6	P9532-ND	2.20	14.25	62.85	ECK-A3A151KBP	—	—	—	—	—
	180pF	±10%	Y5P	6.0	4.5	5.00	.6	P9533-ND	2.20	14.25	62.85	ECK-A3A181KBP	P4119-ND	2.54	17.89	97.50	ECK-D3A181KBP
	220pF	±10%	Y5P	6.0	4.5	5.00	.6	P9534-ND	2.20	14.25	62.85	ECK-A3A221KBP	—	—	—	—	—
	270pF	±10%	Y5P	6.0	4.5	5.00	.6	P9535-ND	2.20	14.25	62.85	ECK-A3A271KBP	P4121-ND	2.54	17.88	97.50	ECK-D3A271KBP
	330pF	±10%	Y5P	8.0	4.5	5.00	.6	P9536-ND	2.20	14.25	62.85	ECK-A3A331KBP	P4122-ND	2.98	21.25	119.00	ECK-D3A331KBP
	390pF	±20%	Y5P	8.0	4.5	5.00	.6	P9537-ND	2.20	14.25	62.85	ECK-A3A391KBP	P4123-ND	2.98	21.25	119.00	ECK-D3A391KBP
	470pF	±10%	Y5P	8.0	4.5	5.00	.6	P9538-ND	2.20	14.25	62.85	ECK-A3A471KBP	—	—	—	—	—
	560pF	±10%	Y5P	8.0	4.5	5.00	.6	P9539-ND	2.51	16.29	71.85	ECK-A3A561KBP	P4125-ND	2.98	21.25	119.00	ECK-D3A561KBP
	680pF	±10%	Y5P	8.0	4.5	5.00	.6	P9540-ND	2.51	16.29	71.85	ECK-A3A681KBP	P4126-ND	3.12	22.00	120.00	ECK-D3A681KBP
	820pF	±10%	Y5P	10.0	4.5	5.00	.6	P9541-ND	2.51	16.29	71.85	ECK-A3A821KBP	P4127-ND	2.98	21.25	119.00	ECK-D3A821KBP
K-	1000pF	±10%	Y5P	10.0	4.5	5.00	.6	P9542-ND	2.83	18.33	80.85	ECK-A3A102KBP	P4128-ND	2.98	21.25	119.00	ECK-D3A102KBP
	1200pF	±10%	Y5P	10.0	4.5	5.00	.6	P9543-ND	2.83	18.33	80.85	ECK-A3A122KBP	—	—	—	—	—
	1500pF	±10%	Y5P	11.0	4.5	5.00	.6	P9544-ND	2.83	18.33	80.85	ECK-A3A152KBP	—	—	—	—	—
	1800pF	±10%	Y5P	11.0	4.5	5.00	.6	P9545-ND	3.62	23.43	103.35	ECK-A3A182KBP	—	—	—	—	—
	2200pF	±10%	Y5P	13.0	4.5	5.00	.6	P9546-ND	3.44	23.07	117.46	ECK-A3A222KBP	P4199-ND	3.71	26.50	148.40	ECK-D3A222KBP
	2700pF	±10%	Y5P	13.0	4.5	5.00	.6	P9547-ND	3.44	23.07	117.46	ECK-A3A272KBP	—	—	—	—	—
	3300pF	±10%	Y5P	13.5	4.5	10.00	.65	P9548-ND	4.73	31.71	161.42	ECK-A3A332KBP	—	—	—	—	—
	3900pF	±10%	Y5P	15.5	4.5	10.00	.65	P9549-ND	4.73	31.71	161.42	ECK-A3A392KBP	—	—	—	—	—
	4700pF	±10%	Y5P	18.0	4.5	10.00	.65	P9550-ND	4.69	31.01	186.03	ECK-A3A472KBP	P4136-ND	6.40	47.00	270.00	ECK-D3A472KBP
	5600pF	±10%	Y5P	18.0	4.5	10.00	.65	P9551-ND	5.50	36.38	218.30	ECK-A3A562KBP	P4137-ND	6.40	47.00	270.00	ECK-D3A562KBP
	10000pF	±10%	Y5P	22.0	5.0	10.00	.65	P9552-ND	9.91	74.30	439.17	ECK-A3A103KBP	P4140-ND	9.57	71.78	424.27	ECK-D3A103KBP
	100pF	±10%	Y5P	7.0	5.0	7.5	.65	P9553-ND	3.32	22.25	113.26	ECK-A3D101KBP	P4474A-ND	3.78	27.00	151.20	ECK-D3D101KBP
	120pF	±10%	Y5P	7.0	5.0	7.5	.65	P9554-ND	3.32	22.25	113.26	ECK-A3D121KBP	P4475A-ND	3.78	27.00	151.20	ECK-D3D121KBP
	150pF	±10%	Y5P	7.0	5.0	7.5	.65	P9555-ND	3.32	22.25	113.26	ECK-A3D151KBP	—	—	—	—	—
	180pF	±10%	Y5P	7.0	5.0	7.5	.65	P9556-ND	3.32	22.25	113.26	ECK-A3D181KBP	—	—	—	—	—
	220pF	±10%	Y5P	7.0	5.0	7.5	.65	P9557-ND	3.32	22.25	113.26	ECK-A3D221KBP	P4476A-ND	3.78	27.00	151.20	ECK-D3D221KBP
	270pF	±10%	Y5P	7.0	5.0	7.5	.65	P9558-ND	3.32	22.25	113.26	ECK-A3D271KBP	—	—	—	—	—
	330pF	±10%	Y5P	7.0	5.0	7.5	.65	P9559-ND	3.32	22.25	113.26	ECK-A3D331KBP	—	—	—	—	—
	390pF	±10%	Y5P	7.0	5.0	7.5	.65	P9560-ND	3.32	22.25	113.26	ECK-A3D391KBP	P4481A-ND	3.78	27.00	151.20	ECK-D3D391KBP
	470pF	±10%	Y5P	7.5	5.0	7.5	.65	P9561-ND	3.32	22.25	113.26	ECK-A3D471KBP	—	—	—	—	—
	560pF	±10%	Y5P	8.0	5.0	7.5	.65	P9562-ND	3.32	22.25	113.26	ECK-A3D561KBP	—	—	—	—	—
K	680pF	±10%	Y5P	9.0	5.0	7.5	.65	P9563-ND	3.93	26.35	134.12	ECK-A3D681KBP	P4484A-ND	4.27	30.50	170.80	ECK-D3D681KBP
	820pF	±10%	Y5P	9.0	5.0	7.5	.65	P9564-ND	3.93	26.35	134.12	ECK-A3D821KBP	P4485A-ND	4.27	30.50	170.80	ECK-D3D821KBP
	1000pF	±10%	Y5P	10.0	5.0	7.5	.65	P9565-ND	5.22	35.01	178.22	ECK-A3D102KBP	—	—	—	—	—
	1200pF	±10%	Y5P	10.5	5.0	7.5	.65	P9566-ND	5.22	35.01	178.22	ECK-A3D122KBP	—	—	—	—	—
	1500pF	±10%	Y5P	12.0	5.0	7.5	.65	P9567-ND	4.94	32.69	196.16	ECK-A3D152KBP	P4488A-ND	6.30	46.30	265.95	ECK-D3D152KBP
	1800pF	±10%	Y5P	12.5	5.0	7.5	.65	P9568-ND	4.94	32.69	196.16	ECK-A3D182KBP	—	—	—	—	—
	2200pF	±10%	Y5P	14.0	5.0	10.0	.65	P9569-ND	5.55	36.72	220.32	ECK-A3D222KBP	—	—	—	—	—
	2700pF	±10%	Y5P	16.0	5.0	10.0	.65	P9570-ND	5.55	36.72	220.32	ECK-A3D272KBP	—	—	—	—	—
	3300pF	±10%	Y5P	17.0	5.0	10.0	.65	P9571-ND	7.03	46.51	279.05	ECK-A3D332KBP	—	—	—	—	—
	3900pF	±10%	Y5P	18.0	5.0	10.0	.65	P9572-ND	7.03	46.51	279.05	ECK-A3D392KBP	P4493A-ND	12.33	92.48	546.63	ECK-D3D392KBP
	4700pF	±10%	Y5P	25.0	5.0	10.0	.65	P9573-ND	8.85	66.38	392.35	ECK-A3D472KBP	—	—	—	—	—
	5600pF	±10%	Y5P	25.0	5.0	10.0	.65	P9574-ND	8.85	66.38	392.35	ECK-A3D562KBP	—	—	—	—	—
	100pF	±10%	Y5P	7.5	6.0	7.5	.65	P9575-ND	3.44	23.07	117.46	ECK-A3F101KBP	—	—	—	—	—
	120pF	±10%	Y5P	7.5	6.0	7.5	.65	P9576-ND	3.44	23.07	117.46	ECK-A3F121KBP	P4497A-ND	3.85	27.50	154.00	ECK-D3F121KBP
	150pF	±10%	Y5P	7.5	6.0	7.5	.65	P9577-ND	3.44	23.07	117.46	ECK-A3F151KBP	—	—	—	—	—
	180pF	±10%	Y5P	7.5	6.0	7.5	.65	P9578-ND	3.44	23.07	117.46	ECK-A3F181KBP	—	—	—	—	—
	220pF	±10%	Y5P	7.5	6.0	7.5	.65	P9579-ND	3.44	23.07	117.46	ECK-A3F221KBP	P4500A-ND	3.85	27.50	154.00	ECK-D3F221KBP
	270pF	±10%	Y5P	7.5	6.0	7.5	.65	P9580-ND	3.44	23.07	117.46	ECK-A3F271KBP	P4501A-ND	3.85	27.50	154.00	ECK-D3F271KBP
	330pF	±10%	Y5P	8.0	6.0	7.5	.65	P9581-ND	3.44	23.07	117.46	ECK-A3F331KBP	P4502A-ND	4.10	29.25	163.80	ECK-D3F331KBP
	390pF	±10%	Y5P	9.0	6.0	7.5	.65	P9582-ND	3.99	26.76	136.22	ECK-A3F391KBP	—	—	—	—	—
	470pF	±10%	Y5P	9.5	6.0	7.5	.65	P9583-ND	3.99	26.76	136.22	ECK-A3F471KBP	—	—	—	—	—
K	560pF	±10%	Y5P	10.0	6.0	7.5	.65	P9584-ND	3.99	26.76	136.22	ECK-A3F561KBP	—	—	—	—	—
	680pF	±10%	Y5P	11.0	6.0	7.5	.65	P9585-ND	4.53	29.99	179.96	ECK-A3F681KBP	P4506A-ND	6.30	46.30	265.95	ECK-D3F681KBP
	820pF	±10%	Y5P	11.0	6.0	7.5	.65	P9586-ND	4.53	29.99	179.96	ECK-A3F821KBP	—	—	—	—	—
	1000pF	±10%	Y5P	12.5	6.0	7.5	.65	P9587-ND	5.34	35.37	212.22	ECK-A3F102KBP	—	—	—	—	—
	1200pF	±10%	Y5P	14.5	6.0	10.0	.65	P9588-ND	5.80	38.41	230.45	ECK-A3F122KBP	P4509A-ND	9.69	72.68	429.59	ECK-D3F122KBP
	1500pF	±10%	Y5P	14.5	6.0	10.0	.65	P9589-ND	5.80	38.41	230.45	ECK-A3F152KBP	—	—	—	—	—
	1800pF	±10%	Y5P	14.5	6.0	10.0	.65	P9590-ND	5.80	38.41	230.45	ECK-A3F182KBP	—	—	—	—	—
	2200pF	±10%	Y5P	17.0	6.0	10.0	.65	P9591-ND	7.03	46.51	279.05	ECK-A3F222KBP	—	—	—	—	—
	2700pF	±10%	Y5P	18.5	6.0	10.0	.65	P9592-ND	7.03	46.51	279.05	ECK-A3F272KBP	—	—	—	—	—

F

Panasonic

High Capacitance Multilayer Ceramic Chip (MLCC) Capacitors

Now available in capacitance values of 1 µF (in 0402) up to 100 µF (in 1210)

More Options are Available when Choosing Capacitors

Advances in ceramic technology have now increased your choices when selecting the best capacitor for your application. No longer are you restricted to Aluminum Electrolytic, Tantalum or Chip Film Capacitors. High capacitance MLCC capacitors from Panasonic now offer higher capacitance and better performance. The superior reliability, ESR and impedance of MLCCs can now be found in higher capacitance values.

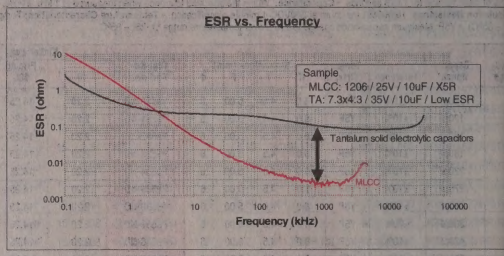
Product Design Benefits

Several technology improvements have made it possible for Panasonic to put more capacitance (1µF and greater) into smaller case sizes (1210 down to 0402) while maintaining the largest possible operating voltage (6.3V up to 50V). These mechanical and electrical characteristics will enable you to make products having smaller size, less weight, increased performance and at a lower cost, thereby making your products more competitive.

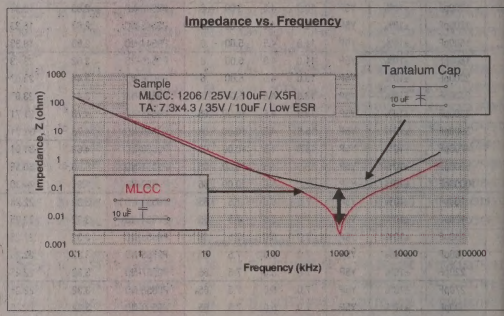
Electrical Performance Advantages of MLCCs

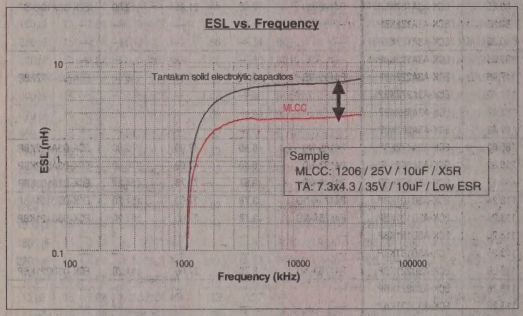
The lower Impedance and Equivalent Series Resistance (ESR) of MLCC Capacitors vs. Tantalum Capacitors, especially at the higher frequencies in the 100kHz to 1MHz range, provides a performance advantage for your decoupling needs.

Lower Equivalent Series Resistance (ESR)



Lower Impedance (Z)





F

Engineering Kit of High Capacitance Multilayer Ceramic Chip (MLCC) Capacitors is available.

PCC18B-KIT-ND **$49.9**

Contains 20 pieces each of 20 assorted values - 400 pieces total. Values range from 1µF to 22µF in case sizes 0402 - 1206, and 0405 array. Temperatu characteristic is X5R. Please call Digi-Key for details.

Microwave (Hi-Q) Multilayer Ceramic Chip Capacitors

Now Available in Case Sizes of 0402 (0.1 ~ 15 pF) and 0201 (0.1 ~ 3 pF)

Features and Major Characteristics:

- High-Q values compared to standard MLCCs, due to their unique materials that includes silver inner-electrodes (refer to the graphs)
- Small Case Sizes: 0201 (0.6 x 0.3 mm) and 0402 (1.0 x 0.5 mm) Wide Range of Capacitance Values (0.1 to 15 pF, in 0.1 increments)
- Tight Capacitance Tolerances (as low as + / - 0.05 pF for 0.5 pF and lower)
- Very Stable C0G Temperature Characteristics (0 + / - 30 ppm / °C) 25V Rated Operating Voltage
- Lead (Pb) Free Part Numbers: ECD-G0Exxxx (0402) and ECD-GZExxxx (0201) (Dielectric Materials, Electrodes, and Terminations)

Benefits:

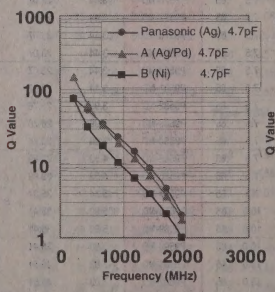
Excellent electrical performance in RF and Microwave circuitry such as Impedance Matching, Resonant Circuits and Coupling.

Typical Applications:

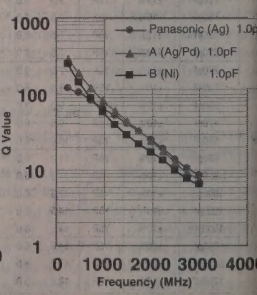
Their small sizes are especially suited for RF and Microwave Circuitry contained within: RF Front-end Modules, Power Amplifier (PA) Modules, Duplexers, Voltage Controlled Oscillators (VCOs), Filter Circuitry (such as Band-Pass Filters), Impedance Matching Circuitry, Resonant Circuitry, Coupling and Bluetooth, Wireless LAN and Modem products.

Hi-Q Kits available in 0201 and 0402 case sizes. Call Digi-Key for details.

Q vs Freq. / 0402



Q vs Freq. / 0201



Multilayer Ceramic Chip Capacitors

0201, 0402, 0508, 0603, 0612, 0805, 1206, 1210 and 1812

RoHS Compliant Parts Available

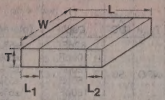
ATURES:

mall in size and wide capacitance range
uperior humidity characteristic and long life due to the monolithic onstruction
xcellent solderability and resistance to soldering heat due to erminals with three layers of silver nickel and solder
ow self-inductance and excellent frequency characteristic

RECOMMENDED APPLICATIONS:

Class 1 (T.C. Type): Temperature compensations, tuned circuits and filter circuits, where low loss and high stability of capacitance and high insulation resistance are required.

Class 2 (HI-K type): Coupling and By-pass, where low loss and high stability of capacitance are not so important.



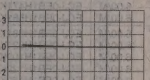
Dimensions shown in mm.

Size Code (EIA)	L◊	W◊	L1 / L2
0201	0.6	0.3	0.15
0402	1.00	0.50	0.20
0508	1.25	2.00	0.20
0603	1.60	0.80	0.30
0612	1.60	3.2	0.30
0805	2.0	1.25	0.50
1206	3.20	1.60	0.60
1210	3.20	2.50	0.60
1812	4.50	3.20	0.90

◊ See data sheet for dimensional tolerance.

P0 Type - Class 1:
Operating temperature range: -55°C ~ 125°C

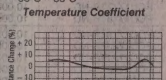
Temperature Coefficient



X7R Type - Class 2:
- Operating temperature range: -55°C ~ 85°C

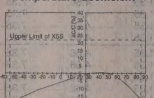
X5R Type - Class 2:
- Operating temperature range: -55°C ~ 85°C

Temperature Coefficient



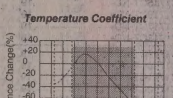
X5S Type - Class2:
- Operating temperature range: -55°C ~ 85°C

Temperature Coefficient



Y5V Type - Class 2:
- Operating temperature range: -30°C ~ 85°C
(F Type: -25°C ~ 85°C)

Temperature Coefficient



ce Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
		0.5pF	±.25pF	0.30	PCC2101CT-ND	.18	1.28	4.59	7.14	PCC2101TR-ND	15,000	6.00/M	ECJ-ZEC1E0R5C
		1.0pF	±.25pF	0.30	PCC2102CT-ND	.18	1.28	4.59	7.14	PCC2102TR-ND	15,000	6.00/M	ECJ-ZEC1E010C
		1.5pF	±.25pF	0.30	PCC2103CT-ND	.18	1.28	4.59	7.14	PCC2103TR-ND	15,000	6.00/M	ECJ-ZEC1E1R5C
		2.0pF	±.25pF	0.30	PCC2104CT-ND	.18	1.28	4.59	7.14	PCC2104TR-ND	15,000	6.00/M	ECJ-ZEC1E020C
		3.0pF	±.25pF	0.30	PCC2105CT-ND	.18	1.28	4.59	7.14	PCC2105TR-ND	15,000	6.00/M	ECJ-ZEC1E030C
		4.0pF	±.25pF	0.30	PCC2106CT-ND	.18	1.28	4.59	7.14	PCC2106TR-ND	15,000	6.00/M	ECJ-ZEC1E040C
		5.0pF	±.25pF	0.30	PCC2107CT-ND	.18	1.28	4.59	7.14	PCC2107TR-ND	15,000	6.00/M	ECJ-ZEC1E050C
		6.0pF	±.5pF	0.30	PCC2108CT-ND	.18	1.28	4.59	7.14	PCC2108TR-ND	15,000	6.00/M	ECJ-ZEC1E060D
		7.0pF	±.5pF	0.30	PCC2109CT-ND	.18	1.28	4.59	7.14	PCC2109TR-ND	15,000	6.00/M	ECJ-ZEC1E070D
	25	8.0pF	±.5pF	0.30	PCC2110CT-ND	.18	1.28	4.59	7.14	PCC2110TR-ND	15,000	6.00/M	ECJ-ZEC1E080D
		9.0pF	±.5pF	0.30	PCC2111CT-ND	.18	1.28	4.59	7.14	PCC2111TR-ND	15,000	6.00/M	ECJ-ZEC1E090D
		10pF	±.5pF	0.30	PCC2112CT-ND	.18	1.28	4.59	7.14	PCC2112TR-ND	15,000	6.00/M	ECJ-ZEC1E100D
		12pF	±5%	0.30	PCC2113CT-ND	.18	1.28	4.59	7.14	PCC2113TR-ND	15,000	6.00/M	ECJ-ZEC1E120J
		15pF	±5%	0.30	PCC2114CT-ND	.18	1.28	4.59	7.14	PCC2114TR-ND	15,000	6.00/M	ECJ-ZEC1E150J
	NP0	18pF	±5%	0.30	PCC2115CT-ND	.18	1.28	4.59	7.14	PCC2115TR-ND	15,000	6.00/M	ECJ-ZEC1E180J
		22pF	±5%	0.30	PCC2116CT-ND	.18	1.28	4.59	7.14	PCC2116TR-ND	15,000	6.00/M	ECJ-ZEC1E220J
		27pF	±5%	0.30	PCC2117CT-ND	.18	1.28	4.59	7.14	PCC2117TR-ND	15,000	6.00/M	ECJ-ZEC1E270J
		33pF	±5%	0.30	PCC2118CT-ND	.18	1.28	4.59	7.14	PCC2118TR-ND	15,000	6.00/M	ECJ-ZEC1E330J
		39pF	±5%	0.30	PCC2119CT-ND	.18	1.28	4.59	7.14	PCC2119TR-ND	15,000	6.00/M	ECJ-ZEC1C390J
		47pF	±5%	0.30	PCC2120CT-ND	.18	1.28	4.59	7.14	PCC2120TR-ND	15,000	6.00/M	ECJ-ZEC1C470J
		56pF	±5%	0.30	PCC2121CT-ND	.18	1.28	4.59	7.14	PCC2121TR-ND	15,000	6.00/M	ECJ-ZEC1C560J
	16	68pF	±5%	0.30	PCC2122CT-ND	.18	1.28	4.59	7.14	PCC2122TR-ND	15,000	6.00/M	ECJ-ZEC1C680J
		82pF	±5%	0.30	PCC2123CT-ND	.18	1.28	4.59	7.14	PCC2123TR-ND	15,000	6.00/M	ECJ-ZEC1C820J
		100pF	±5%	0.30	PCC2124CT-ND	.18	1.28	4.59	7.14	PCC2124TR-ND	15,000	6.00/M	ECJ-ZEC1C101J
1		150pF	±10%	0.30	PCC2388CT-ND	.33	2.13	6.88	8.75	PCC2388TR-ND	15,000	7.00/M	ECJ-ZEB1H151K
		220pF	±10%	0.30	PCC2389CT-ND	.33	2.13	6.88	8.75	PCC2389TR-ND	15,000	7.00/M	ECJ-ZEB1H221K
		330pF	±10%	0.30	PCC2390CT-ND	.33	2.13	6.88	8.75	PCC2390TR-ND	15,000	7.00/M	ECJ-ZEB1H331K
		470pF	±10%	0.30	PCC2391CT-ND	.33	2.13	6.88	8.75	PCC2391TR-ND	15,000	7.00/M	ECJ-ZEB1H471K
	50	680pF	±10%	0.30	PCC2392CT-ND	.33	2.13	6.88	8.75	PCC2392TR-ND	15,000	7.00/M	ECJ-ZEB1H681K
		1000pF	±10%	0.30	PCC2387CT-ND	.33	2.13	6.88	8.75	PCC2387TR-ND	15,000	7.00/M	ECJ-ZEB1H102K
		150pF	±10%	0.30	PCC2125CT-ND	.18	1.28	4.59	7.14	PCC2125TR-ND	15,000	6.00/M	ECJ-ZEB1E151K
		220pF	±10%	0.30	PCC2126CT-ND	.18	1.28	4.59	7.14	PCC2126TR-ND	15,000	6.00/M	ECJ-ZEB1E221K
		331pF	±10%	0.30	PCC2127CT-ND	.18	1.28	4.59	7.14	PCC2127TR-ND	15,000	6.00/M	ECJ-ZEB1E331K
		470pF	±10%	0.30	PCC2128CT-ND	.18	1.28	4.59	7.14	PCC2128TR-ND	15,000	6.00/M	ECJ-ZEB1E471K
X7R	25	680pF	±10%	0.30	PCC2129CT-ND	.18	1.28	4.59	7.14	PCC2129TR-ND	15,000	6.00/M	ECJ-ZEB1E681K
		1000pF	±10%	0.30	PCC2130CT-ND	.18	1.28	4.59	7.14	PCC2130TR-ND	15,000	6.00/M	ECJ-ZEB1E102K
		1500pF	±10%	0.30	PCC2385CT-ND	.33	2.13	6.88	8.75	PCC2385TR-ND	15,000	7.00/M	ECJ-ZEB1E152K
		2200pF	±10%	0.30	PCC2386CT-ND	.33	2.13	6.88	8.75	PCC2386TR-ND	15,000	7.00/M	ECJ-ZEB1E222K
		1500pF	±10%	0.30	PCC2131CT-ND	.18	1.28	4.59	7.14	PCC2131TR-ND	15,000	6.00/M	ECJ-ZEB1C152K
	16	2200pF	±10%	0.30	PCC2132CT-ND	.18	1.28	4.59	7.14	PCC2132TR-ND	15,000	6.00/M	ECJ-ZEB1C222K
		3300pF	±10%	0.30	PCC2384CT-ND	.33	2.13	6.88	8.75	PCC2384TR-ND	15,000	7.00/M	ECJ-ZEB1C332K
	10	3300pF	±10%	0.30	PCC2133CT-ND	.18	1.28	4.59	7.14	PCC2133TR-ND	15,000	6.00/M	ECJ-ZEB1A332K
		4700pF	±10%	0.30	PCC2134CT-ND	.18	1.28	4.59	7.14	PCC2134TR-ND	15,000	6.00/M	ECJ-ZEB0J472K
		6800pF	±10%	0.30	PCC2135CT-ND	.18	1.28	4.59	7.14	PCC2135TR-ND	15,000	6.00/M	ECJ-ZEB0J682K
		10000pF	±10%	0.30	PCC2136CT-ND	.18	1.28	4.59	7.14	PCC2136TR-ND	15,000	6.00/M	ECJ-ZEB0J103K
	6.3	1µF	±10%	0.30	PCC2366CT-ND	.53	3.49	11.28	14.35	PCC2366TR-ND	15,000	11.00/M	ECJ-ZEB0J104K
X5R		1µF	±10%	0.30	PCC13492CT-ND†	.76	4.97	16.09	20.48	PCC13492TR-ND†	15,000	15.00/M	ECJ-ZEB0J104K
		1µF	±20%	0.30	PCC2336CT-ND	.35	2.36	7.98	12.16	PCC2336TR-ND	15,000	10.00/M	ECJ-ZEB0J104M
		4700pF	±10%	0.30	PCC2382CT-ND	.33	2.13	6.88	8.75	PCC2382TR-ND	15,000	7.00/M	ECJ-ZEB1A472K
	10	6800pF	±10%	0.03	PCC2383CT-ND	.33	2.13	6.88	8.75	PCC2383TR-ND	15,000	7.00/M	ECJ-ZEB1A682K
		.01µF	±10%	0.30	PCC2381CT-ND	.33	2.13	6.88	8.75	PCC2381TR-ND	15,000	7.00/M	ECJ-ZEB1A103K
		.5pF	±.25pF	0.50	PCC0R5CQCT-ND*	.19	1.35	4.66	7.35	PCC0R5CQTR-ND	10,000	6.00/M	ECJ-0EC1H0R5C
		1.0pF	±.25pF	0.50	PCC010CQCT-ND*	.19	1.35	4.66	7.35	PCC010CQTR-ND	10,000	6.00/M	ECJ-0EC1H010C
		1.5pF	±.25pF	0.50	PCC1R5CQCT-ND*	.19	1.35	4.66	7.35	PCC1R5CQTR-ND	10,000	6.00/M	ECJ-0EC1H1R5C
		2.0pF	±.25pF	0.50	PCC020CQCT-ND*	.19	1.35	4.66	7.35	PCC020CQTR-ND	10,000	6.00/M	ECJ-0EC1H020C
		3.0pF	±.25pF	0.50	PCC030CQCT-ND*	.19	1.35	4.66	7.35	PCC030CQTR-ND	10,000	6.00/M	ECJ-0EC1H030C
		4.0pF	±.25pF	0.50	PCC040CQCT-ND*	.19	1.35	4.66	7.35	PCC040CQTR-ND	10,000	6.00/M	ECJ-0EC1H040C
		5.0pF	±.25pF	0.50	PCC050CQCT-ND*	.19	1.35	4.66	7.35	PCC050CQTR-ND	10,000	6.00/M	ECJ-0EC1H050C
		6.0pF	±.5pF	0.50	PCC060CQCT-ND*	.19	1.35	4.66	7.35	PCC060CQTR-ND	10,000	6.00/M	ECJ-0EC1H060D
		7.0pF	±.5pF	0.50	PCC070CQCT-ND*	.19	1.35	4.66	7.35	PCC070CQTR-ND	10,000	6.00/M	ECJ-0EC1H070D
		8.0pF	±.5pF	0.50	PCC080CQCT-ND*	.19	1.35	4.66	7.35	PCC080CQTR-ND	10,000	6.00/M	ECJ-0EC1H080D
2	NP0	9.0pF	±.5pF	0.50	PCC090CQCT-ND*	.19	1.35	4.66	7.35	PCC090CQTR-ND	10,000	6.00/M	ECJ-0EC1H090D
		10pF	±.5pF	0.50	PCC100CQCT-ND*	.19	1.35	4.66	7.35	PCC100CQTR-ND	10,000	6.00/M	ECJ-0EC1H100D
		12pF	±5%	0.50	PCC120CQCT-ND*	.19	1.35	4.66	7.35	PCC120CQTR-ND	10,000	6.00/M	ECJ-0EC1H120J
		15pF	±5%	0.50	PCC150CQCT-ND*	.19	1.35	4.66	7.35	PCC150CQTR-ND	10,000	6.00/M	ECJ-0EC1H150J
		18pF	±5%	0.50	PCC180CQCT-ND*	.19	1.35	4.66	7.35	PCC180CQTR-ND	10,000	6.00/M	ECJ-0EC1H180J
	50	22pF	±5%	0.50	PCC220CQCT-ND*	.19	1.35	4.66	7.35	PCC220CQTR-ND	10,000	6.00/M	ECJ-0EC1H220J
		27pF	±5%	0.50	PCC270CQCT-ND*	.19	1.35	4.66	7.35	PCC270CQTR-ND	10,000	6.00/M	ECJ-0EC1H270J
		33pF	±5%	0.50	PCC330CQCT-ND*	.19	1.35	4.66	7.35	PCC330CQTR-ND	10,000	6.00/M	ECJ-0EC1H330J
		39pF	±5%	0.50	PCC390CQCT-ND*	.19	1.35	4.66	7.35	PCC390CQTR-ND	10,000	6.00/M	ECJ-0EC1H390J
		47pF	±5%	0.50	PCC470CQCT-ND*	.19	1.35	4.66	7.35	PCC470CQTR-ND	10,000	6.00/M	ECJ-0EC1H470J
		56pF	±5%	0.50	PCC560CQCT-ND*	.19	1.35	4.66	7.35	PCC560CQTR-ND	10,000	6.00/M	ECJ-0EC1H560J
		68pF	±5%	0.50	PCC680CQCT-ND*	.19	1.35	4.66	7.35	PCC680CQTR-ND	10,000	6.00/M	ECJ-0EC1H680J

duced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

(Continued)

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Size Code	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
			.82pF	±5%	0.50	PCC820CQCT-ND*	.19	1.35	4.66	7.35	PCC820CQTR-ND	10,000	6.00/M	ECJ-0EC1H820J
			100pF	±5%	0.50	PCC101CQCT-ND*	.20	1.43	4.94	7.80	PCC101CQTR-ND	10,000	7.00/M	ECJ-0EC1H101J
			120pF	±5%	0.50	PCC121CQCT-ND*	.20	1.43	4.94	7.80	PCC121CQTR-ND	10,000	7.00/M	ECJ-0EC1H121J
			150pF	±5%	0.50	PCC151CQCT-ND*	.20	1.43	4.94	7.80	PCC151CQTR-ND	10,000	7.00/M	ECJ-0EC1H151J
			180pF	±5%	0.50	PCC181CQCT-ND*	.18	1.30	4.68	7.28	PCC181CQTR-ND	10,000	7.00/M	ECJ-0EC1H181J
			220pF	±5%	0.50	PCC221CQCT-ND*	.18	1.30	4.68	7.28	PCC221CQTR-ND	10,000	7.00/M	ECJ-0EC1H221J
			100pF	±10%	0.50	PCC1709CT-ND*	.19	1.35	4.66	7.35	PCC1709TR-ND	10,000	6.00/M	ECJ-0EB1H101K
			120pF	±10%	0.50	PCC1710CT-ND*	.19	1.35	4.66	7.35	PCC1710TR-ND	10,000	6.00/M	ECJ-0EB1H121K
			150pF	±10%	0.50	PCC1711CT-ND*	.19	1.35	4.66	7.35	PCC1711TR-ND	10,000	6.00/M	ECJ-0EB1H151K
			180pF	±10%	0.50	PCC1712CT-ND*	.19	1.35	4.66	7.35	PCC1712TR-ND	10,000	6.00/M	ECJ-0EB1H181K
			220pF	±10%	0.50	PCC1713CT-ND*	.19	1.35	4.66	7.35	PCC1713TR-ND	10,000	6.00/M	ECJ-0EB1H221K
			270pF	±10%	0.50	PCC1714CT-ND*	.19	1.35	4.66	7.35	PCC1714TR-ND	10,000	6.00/M	ECJ-0EB1H271K
			330pF	±10%	0.50	PCC1715CT-ND*	.19	1.35	4.66	7.35	PCC1715TR-ND	10,000	6.00/M	ECJ-0EB1H331K
			390pF	±10%	0.50	PCC1716CT-ND*	.19	1.35	4.66	7.35	PCC1716TR-ND	10,000	6.00/M	ECJ-0EB1H391K
			470pF	±10%	0.50	PCC1717CT-ND*	.19	1.35	4.66	7.35	PCC1717TR-ND	10,000	6.00/M	ECJ-0EB1H471K
			560pF	±10%	0.50	PCC1718CT-ND*	.19	1.35	4.66	7.35	PCC1718TR-ND	10,000	6.00/M	ECJ-0EB1H561K
		50	680pF	±10%	0.50	PCC1719CT-ND*	.19	1.35	4.66	7.35	PCC1719TR-ND	10,000	6.00/M	ECJ-0EB1H681K
			820pF	±10%	0.50	PCC1720CT-ND*	.19	1.35	4.66	7.35	PCC1720TR-ND	10,000	6.00/M	ECJ-0EB1H821K
			1000pF	±10%	0.50	PCC1721CT-ND*	.19	1.35	4.66	7.35	PCC1721TR-ND	10,000	6.00/M	ECJ-0EB1H102K
			1200pF	±10%	0.50	PCC1722CT-ND*	.19	1.35	4.66	7.35	PCC1722TR-ND	10,000	6.00/M	ECJ-0EB1H122K
			1500pF	±10%	0.50	PCC1723CT-ND*	.19	1.35	4.66	7.35	PCC1723TR-ND	10,000	6.00/M	ECJ-0EB1H152K
			1800pF	±10%	0.50	PCC1724CT-ND*	.19	1.35	4.66	7.35	PCC1724TR-ND	10,000	6.00/M	ECJ-0EB1H182K
			2200pF	±10%	0.50	PCC1725CT-ND*	.19	1.35	4.66	7.35	PCC1725TR-ND	10,000	6.00/M	ECJ-0EB1H222K
			2700pF	±10%	0.50	PCC1726CT-ND*	.19	1.35	4.66	7.35	PCC1726TR-ND	10,000	6.00/M	ECJ-0EB1H272K
			3300pF	±10%	0.50	PCC1727CT-ND*	.19	1.35	4.66	7.35	PCC1727TR-ND	10,000	6.00/M	ECJ-0EB1H332K
			3900pF	±10%	0.50	PCC1728CT-ND*	.19	1.35	4.66	7.35	PCC1728TR-ND	10,000	6.00/M	ECJ-0EB1H392K
			100pF	±10%	0.50	PCC1702CT-ND	2.81	19.80	68.40	108.00	PCC1702TR-ND	10,000	90.00/M	ECJ-0EB1E101K
			120pF	±10%	0.50	PCC1703CT-ND	2.81	19.80	68.40	108.00	PCC1703TR-ND	10,000	90.00/M	ECJ-0EB1E121K
			150pF	±10%	0.50	PCC1704CT-ND	2.81	19.80	68.40	108.00	PCC1704TR-ND	10,000	90.00/M	ECJ-0EB1E151K
			180pF	±10%	0.50	PCC1705CT-ND	2.81	19.80	68.40	108.00	PCC1705TR-ND	10,000	90.00/M	ECJ-0EB1E181K
			220pF	±10%	0.50	PCC1706CT-ND	2.81	19.80	68.40	108.00	PCC1706TR-ND	10,000	90.00/M	ECJ-0EB1E221K
			270pF	±10%	0.50	PCC271BQCT-ND	2.89	20.35	70.30	111.00	PCC271BQTR-ND	10,000	93.00/M	ECJ-0EB1E271K
			330pF	±10%	0.50	PCC331BQCT-ND	2.89	20.35	70.30	111.00	PCC331BQTR-ND	10,000	93.00/M	ECJ-0EB1E331K
			391pF	±10%	0.50	PCC391BQCT-ND	2.89	20.35	70.30	111.00	PCC391BQTR-ND	10,000	93.00/M	ECJ-0EB1E391K
			470pF	±10%	0.50	PCC471BQCT-ND	2.89	20.35	70.30	111.00	PCC471BQTR-ND	10,000	93.00/M	ECJ-0EB1E471K
			560pF	±10%	0.50	PCC561BQCT-ND	2.89	20.35	70.30	111.00	PCC561BQTR-ND	10,000	93.00/M	ECJ-0EB1E561K
			680pF	±10%	0.50	PCC681BQCT-ND	2.89	20.35	70.30	111.00	PCC681BQTR-ND	10,000	93.00/M	ECJ-0EB1E681K
			820pF	±10%	0.50	PCC821BQCT-ND	2.89	20.35	70.30	111.00	PCC821BQTR-ND	10,000	93.00/M	ECJ-0EB1E821K
		25	1000pF	±10%	0.50	PCC102BQCT-ND	2.89	20.35	70.30	111.00	PCC102BQTR-ND	10,000	93.00/M	ECJ-0EB1E102K
			1200pF	±10%	0.50	PCC122BQCT-ND	2.89	20.35	70.30	111.00	PCC122BQTR-ND	10,000	93.00/M	ECJ-0EB1E122K
			1500pF	±10%	0.50	PCC152BQCT-ND	2.89	20.35	70.30	111.00	PCC152BQTR-ND	10,000	93.00/M	ECJ-0EB1E152K
			1800pF	±10%	0.50	PCC182BQCT-ND	2.89	20.35	70.30	111.00	PCC182BQTR-ND	10,000	93.00/M	ECJ-0EB1E182K
			2200pF	±10%	0.50	PCC222BQCT-ND	2.89	20.35	70.30	111.00	PCC222BQTR-ND	10,000	93.00/M	ECJ-0EB1E222K
			2700pF	±10%	0.50	PCC272BQCT-ND	3.12	22.00	76.00	120.00	PCC272BQTR-ND	10,000	100.00/M	ECJ-0EB1E272K
			3300pF	±10%	0.50	PCC332BQCT-ND	3.39	23.93	82.65	130.50	PCC332BQTR-ND	10,000	109.00/M	ECJ-0EB1E332K
			3900pF	±10%	0.50	PCC392BQCT-ND	3.51	24.75	85.50	135.00	PCC392BQTR-ND	10,000	113.00/M	ECJ-0EB1E392K
			4700pF	±10%	0.50	PCC472BQCT-ND*	.19	1.35	4.66	7.35	PCC472BQTR-ND	10,000	6.00/M	ECJ-0EB1E472K
			5600pF	±10%	0.50	PCC1707CT-ND*	.19	1.35	4.66	7.35	PCC1707TR-ND	10,000	6.00/M	ECJ-0EB1E562K
			6800pF	±10%	0.50	PCC1708CT-ND*	.19	1.35	4.66	7.35	PCC1708TR-ND	10,000	6.00/M	ECJ-0EB1E682K
			8200pF	±10%	0.50	PCC2271CT-ND	.19	1.35	4.66	7.35	PCC2271TR-ND	10,000	6.00/M	ECJ-0EB1E822K
0402			.01µF	±10%	0.50	PCC2270CT-ND	.19	1.35	4.66	7.35	PCC2270TR-ND	10,000	6.00/M	ECJ-0EB1E103K
			5600pF	±10%	0.50	PCC562BQCT-ND	2.42	17.05	58.90	93.00	PCC562BQTR-ND	10,000	78.00/M	ECJ-0EB1C562K
			6800pF	±10%	0.50	PCC682BQCT-ND	2.50	17.60	60.80	96.00	PCC682BQTR-ND	10,000	80.00/M	ECJ-0EB1C682K
			8200pF	±10%	0.50	PCC822BQCT-ND*	2.54	17.88	61.75	97.50	PCC822BQTR-ND	10,000	81.00/M	ECJ-0EB1C822K
			10000pF	±10%	0.50	PCC103BQCT-ND*	.19	1.35	4.66	7.35	PCC103BQTR-ND	10,000	6.00/M	ECJ-0EB1C103K
		16	12000pF	±10%	0.50	PCC1700CT-ND*	.19	1.35	4.66	7.35	PCC1700TR-ND	10,000	6.00/M	ECJ-0EB1C123K
			15000pF	±10%	0.50	PCC1701CT-ND*	.21	1.46	5.04	7.95	PCC1701TR-ND	10,000	7.00/M	ECJ-0EB1C153K
			18000pF	±10%	0.50	PCC2137CT-ND*	.38	2.67	9.22	14.57	PCC2137TR-ND	10,000	8.00/M	ECJ-0EB1C183K
			22000pF	±10%	0.50	PCC2138CT-ND*	.25	1.79	6.18	9.75	PCC2138TR-ND	10,000	8.00/M	ECJ-0EB1C223K
			.1µF	±10%	0.50	PCC13490CT-ND	1.14	7.44	24.06	30.63	PCC13490TR-ND	10,000	25.00/M	ECJ-0EX1C104K
		16	.1µF	±10%	0.50	PCC2363CT-ND	.93	6.08	19.66	25.03	PCC2363TR-ND	10,000	20.00/M	ECJ-0EB1C104K
			27000pF	±10%	0.50	PCC2139CT-ND	.26	1.84	6.37	10.05	PCC2139TR-ND	10,000	8.00/M	ECJ-0EB1A273K
			33000pF	±10%	0.50	PCC2140CT-ND	.26	1.84	6.37	10.05	PCC2140TR-ND	10,000	8.00/M	ECJ-0EB1A333K
			39000pF	±10%	0.50	PCC2141CT-ND	.26	1.84	6.37	10.05	PCC2141TR-ND	10,000	8.00/M	ECJ-0EB1A393K
			47000pF	±10%	0.50	PCC2142CT-ND	.26	1.84	6.37	10.05	PCC2142TR-ND	10,000	8.00/M	ECJ-0EB1A473K
		10	56000pF	±10%	0.50	PCC2143CT-ND	.26	1.84	6.37	10.05	PCC2143TR-ND	10,000	8.00/M	ECJ-0EB1A563K
			68000pF	±10%	0.50	PCC2144CT-ND	.26	1.84	6.37	10.05	PCC2144TR-ND	10,000	8.00/M	ECJ-0EB1A683K
			82000pF	±10%	0.50	PCC2145CT-ND	.26	1.84	6.37	10.05	PCC2145TR-ND	10,000	8.00/M	ECJ-0EB1A823K
	X5R		.1µF	±10%	0.50	PCC2146CT-ND*	.26	1.84	6.37	10.05	PCC2146TR-ND	10,000	8.00/M	ECJ-0EB1A104K
			1.0µF	±20%	0.50	PCC2364CT-ND	2.01	12.99	40.11	57.30	PCC2364TR-ND	10,000	51.00/M	ECJ-0EB1A105M
			.22µF	±10%	0.50	PCC2269CT-ND	.69	4.65	15.75	24.00	PCC2269TR-ND	10,000	19.00/M	ECJ-0EB0J224K
			.47µF	±10%	0.50	PCC2394CT-ND	.89	5.82	18.84	23.98	PCC2394TR-ND	10,000	19.00/M	ECJ-0EB0J474K
		6.3	1µF	±20%	0.50	PCC2257CT-ND	1.12	7.89	27.27	43.05	PCC2257TR-ND	10,000	36.00/M	ECJ-0EB0J105M
			1µF	±10%	0.50	PCC2393CT-ND	1.85	12.07	39.05	49.70	PCC2393TR-ND	10,000	40.00/M	ECJ-0EB0J105K
			1µF	±10%	0.50	PCC13493CT-ND†	1.99	13.01	42.08	53.55	PCC13493TR-ND†	10,000	43.00/M	ECJ-0EBFJ105K
			2.2µF	±20%	0.50	PCC2421CT-ND	2.28	14.79	45.68	65.25	PCC2421TR-ND	10,000	58.00/M	ECJ-0EB0J225M
			1000pF	+80%/-20%	0.50	PCC1741CT-ND	.19	1.35	4.66	7.35	PCC1741TR-ND	10,000	6.00/M	ECJ-0EF1H102Z
			1500pF	+80%/-20%	0.50	PCC1742CT-ND	2.57	18.15	62.70	99.00	PCC1742TR-ND	10,000	83.00/M	ECJ-0EF1H152Z
			2200pF	+80%/-20%	0.50	PCC1743CT-ND	.19	1.35	4.66	7.35	PCC1743TR-ND	10,000	6.00/M	ECJ-0EF1H222Z
		50	3300pF	+80%/-20%	0.50	PCC1744CT-ND	2.57	18.15	62.70	99.00	PCC1744TR-ND	10,000	83.00/M	ECJ-0EF1H332Z
			4700pF	+80%/-20%	0.50	PCC1745CT-ND	.19	1.35	4.66	7.35	PCC1745TR-ND	10,000	6.00/M	ECJ-0EF1H472Z
			6800pF	+80%/-20%	0.50	PCC1746CT-ND	2.57	18.15	62.70	99.00	PCC1746TR-ND	10,000	83.00/M	ECJ-0EF1H682Z
			10000pF	+80%/-20%	0.50	PCC1747CT-ND	.19	1.35	4.66	7.35	PCC1747TR-ND	10,000	6.00/M	ECJ-0EF1H103Z
			1000pF	+80%/-20%	0.50	PCC1732CT-ND	.19	1.35	4.66	7.35	PCC1732TR-ND	10,000	6.00/M	ECJ-0EF1E102Z
			1500pF	+80%/-20%	0.50	PCC1733CT-ND	2.57	18.15	62.70	99.00	PCC1733TR-ND	10,000	83.00/M	ECJ-0EF1E152Z
			2200pF	+80%/-20%	0.50	PCC1734CT-ND	.19	1.35	4.66	7.35	PCC1734TR-ND	10,000	6.00/M	ECJ-0EF1E222Z
			3300pF	+80%/-20%	0.50	PCC1735CT-ND	2.57	18.15	62.70	99.00	PCC1735TR-ND	10,000	83.00/M	ECJ-0EF1E332Z
	Y5V	25	4700pF	+80%/-20%	0.50	PCC1736CT-ND	.19	1.35	4.66	7.35	PCC1736TR-ND	10,000	6.00/M	ECJ-0EF1E472Z
			6800pF	+80%/-20%	0.50	PCC1737CT-ND	2.57	18.15	62.70	99.00	PCC1737TR-ND	10,000	83.00/M	ECJ-0EF1E682Z
			10000pF	+80%/-20%	0.50	PCC1738CT-ND	.19	1.35	4.66	7.35	PCC1738TR-ND	10,000	6.00/M	ECJ-0EF1E103Z
			15000pF	+80%/-20%	0.50	PCC1739CT-ND	2.54	17.88	61.75	97.50	PCC1739TR-ND	10,000	81.00/M	ECJ-0EF1E153Z
			22000pF	+80%/-20%	0.50	PCC1740CT-ND	.19	1.35	4.66	7.35	PCC1740TR-ND	10,000	6.00/M	ECJ-0EF1E223Z
			15000pF	+80%/-20%	0.50	PCC153FQCT-ND	3.08	21.73	75.05	118.50	PCC153FQTR-ND	10,000	99.00/M	ECJ-0EF1C153Z
			22000pF	+80%/-20%	0.50	PCC223FQCT-ND	.19	1.35	4.66	7.35	PCC223FQTR-ND	10,000	6.00/M	ECJ-0EF1C223Z
		16	33000pF	+80%/-20%	0.50	PCC333FQCT-ND	3.39	23.93	82.65	130.50	PCC333FQTR-ND	10,000	109.00/M	ECJ-0EF1C333Z
			47000pF	+80%/-20%	0.50	PCC1729CT-ND	.19	1.35	4.66	7.35	PCC1729TR-ND	10,000	6.00/M	ECJ-0EF1C473Z
			68000pF	+80%/-20%	0.50	PCC1730CT-ND	3.39	23.93	82.65	130.50	PCC1730TR-ND	10,000	109.00/M	ECJ-0EF1C683Z
			.1µF	+80%/-20%	0.50	PCC1731CT-ND	.19	1.35	4.66	7.35	PCC1731TR-ND	10,000	6.00/M	ECJ-0EF1C104Z
		10	.22µF	+80%/-20%	0.50	PCC2272CT-ND	.73	4.90	16.59	25.28	PCC2272TR-ND	10,000	20.00/M	ECJ-0EF1A224Z
		6.3	1µF	+80%/-20%	0.50	PCC2268CT-ND	.94	6.36	21.53	32.80	PCC2268TR-ND	10,000	26.00/M	ECJ-0EF0J105Z
0508	X7R	50	.01µF	±10%	0.85	PCC2187CT-ND	2.04	14.55	52.38	87.30	PCC2187TR-ND	4,000	76.00/M	ECY-29RH103KV

‡ Reduced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

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ze de	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
08	X7R	25	.1µF	±10%	0.85	PCC2188CT-ND	2.04	14.55	52.38	87.30	PCC2188TR-ND	4,000	76.00/M	ECY-29RE104KV
	X5R	10	1µF	±10%	0.85	PCC2189CT-ND	2.28	16.25	58.50	97.50	PCC2189TR-ND	4,000	85.00/M	ECY-29RA105KV
			10pF	±0.5pF	0.80	PCC1941CT-ND	.43	2.88	9.77	15.81	PCC1941TR-ND	4,000	13.00/M	ECJ-1VC2A100D
			15pF	±5%	0.80	PCC1942CT-ND	.43	2.88	9.77	15.81	PCC1942TR-ND	4,000	13.00/M	ECJ-1VC2A150J
			22pF	±5%	0.80	PCC1943CT-ND	.43	2.88	9.77	15.81	PCC1943TR-ND	4,000	13.00/M	ECJ-1VC2A220J
		100	33pF	±5%	0.80	PCC1944CT-ND	.36	2.56	8.84	14.88	PCC1944TR-ND	4,000	12.00/M	ECJ-1VC2A330J
			47pF	±5%	0.80	PCC1945CT-ND	.36	2.56	8.84	14.88	PCC1945TR-ND	4,000	12.00/M	ECJ-1VC2A470J
			68pF	±5%	0.80	PCC1946CT-ND	.36	2.56	8.84	14.88	PCC1946TR-ND	4,000	12.00/M	ECJ-1VC2A680J
			100pF	±5%	0.80	PCC1947CT-ND	.36	2.56	8.84	14.88	PCC1947TR-ND	4,000	12.00/M	ECJ-1VC2A101J
			.5pF	±0.25pF	0.80	PCCD R5CVCT-ND*	.31	2.11	7.14	11.56	PCC0R5CVTR-ND	4,000	9.00/M	ECJ-1VC1H0R5C
			1pF	±0.25pF	0.80	PCC010CVCT-ND*	.31	2.11	7.14	11.56	PCC010CVTR-ND	4,000	9.00/M	ECJ-1VC1H010C
			1.5pF	±0.25pF	0.80	PCC1R5CVCT-ND*	.31	2.11	7.14	11.56	PCC1R5CVTR-ND	4,000	9.00/M	ECJ-1VC1H1R5C
			2pF	±0.25pF	0.80	PCC020CVCT-ND*	.31	2.11	7.14	11.56	PCC020CVTR-ND	4,000	9.00/M	ECJ-1VC1H020C
			3pF	±0.25pF	0.80	PCC030CVCT-ND*	.31	2.11	7.14	11.56	PCC030CVTR-ND	4,000	9.00/M	ECJ-1VC1H030C
			4pF	±0.25pF	0.80	PCC040CVCT-ND*	.31	2.11	7.14	11.56	PCC040CVTR-ND	4,000	9.00/M	ECJ-1VC1H040C
			5pF	±0.25pF	0.80	PCC050CVCT-ND*	.31	2.11	7.14	11.56	PCC050CVTR-ND	4,000	9.00/M	ECJ-1VC1H050C
			6pF	±0.5pF	0.80	PCC060CVCT-ND*	.31	2.11	7.14	11.56	PCC060CVTR-ND	4,000	9.00/M	ECJ-1VC1H060D
			7pF	±0.5pF	0.80	PCC070CVCT-ND*	.31	2.11	7.14	11.56	PCC070CVTR-ND	4,000	9.00/M	ECJ-1VC1H070D
			8pF	±0.5pF	0.80	PCC080CVCT-ND*	.31	2.11	7.14	11.56	PCC080CVTR-ND	4,000	9.00/M	ECJ-1VC1H080D
			9pF	±0.5pF	0.80	PCC090CVCT-ND*	.31	2.11	7.14	11.56	PCC090CVTR-ND	4,000	9.00/M	ECJ-1VC1H090D
			10pF	±0.5pF	0.80	PCC100CVCT-ND*	.31	2.11	7.14	11.56	PCC100CVTR-ND	4,000	9.00/M	ECJ-1VC1H100D
			12pF	±5%	0.80	PCC120ACVCT-ND	.31	2.11	7.14	11.56	PCC120ACVTR-ND	4,000	9.00/M	ECJ-1VC1H120J
			15pF	±5%	0.80	PCC150ACVCT-ND*	.31	2.11	7.14	11.56	PCC150ACVTR-ND	4,000	9.00/M	ECJ-1VC1H150J
	NPO		18pF	±5%	0.80	PCC180ACVCT-ND*	.31	2.11	7.14	11.56	PCC180ACVTR-ND	4,000	9.00/M	ECJ-1VC1H180J
			22pF	±5%	0.80	PCC220ACVCT-ND*	.31	2.11	7.14	11.56	PCC220ACVTR-ND	4,000	9.00/M	ECJ-1VC1H220J
			27pF	±5%	0.80	PCC270ACVCT-ND*	.31	2.11	7.14	11.56	PCC270ACVTR-ND	4,000	9.00/M	ECJ-1VC1H270J
			33pF	±5%	0.80	PCC330ACVCT-ND*	.31	2.11	7.14	11.56	PCC330ACVTR-ND	4,000	9.00/M	ECJ-1VC1H330J
		50	39pF	±5%	0.80	PCC390ACVCT-ND*	.31	2.11	7.14	11.56	PCC390ACVTR-ND	4,000	9.00/M	ECJ-1VC1H390J
			47pF	±5%	0.80	PCC470ACVCT-ND*	.31	2.11	7.14	11.56	PCC470ACVTR-ND	4,000	9.00/M	ECJ-1VC1H470J
			56pF	±5%	0.80	PCC560ACVCT-ND*	.31	2.11	7.14	11.56	PCC560ACVTR-ND	4,000	9.00/M	ECJ-1VC1H560J
			68pF	±5%	0.80	PCC680ACVCT-ND*	.31	2.11	7.14	11.56	PCC680ACVTR-ND	4,000	9.00/M	ECJ-1VC1H680J
			82pF	±5%	0.80	PCC820ACVCT-ND*	.31	2.11	7.14	11.56	PCC820ACVTR-ND	4,000	9.00/M	ECJ-1VC1H820J
			100pF	±5%	0.80	PCC101ACVCT-ND*	.31	2.11	7.14	11.56	PCC101ACVTR-ND	4,000	9.00/M	ECJ-1VC1H101J
			120pF	±5%	0.80	PCC121ACVCT-ND*	.31	2.11	7.14	11.56	PCC121ACVTR-ND	4,000	9.00/M	ECJ-1VC1H121J
			150pF	±5%	0.80	PCC151ACVCT-ND*	.31	2.11	7.14	11.56	PCC151ACVTR-ND	4,000	9.00/M	ECJ-1VC1H151J
			180pF	±5%	0.80	PCC181ACVCT-ND*	.31	2.11	7.14	11.56	PCC181ACVTR-ND	4,000	9.00/M	ECJ-1VC1H181J
			220pF	±5%	0.80	PCC221ACVCT-ND*	.31	2.11	7.14	11.56	PCC221ACVTR-ND	4,000	9.00/M	ECJ-1VC1H221J
			270pF	±5%	0.80	PCC271ACVCT-ND*	.31	2.11	7.14	11.56	PCC271ACVTR-ND	4,000	9.00/M	ECJ-1VC1H271J
			330pF	±5%	0.80	PCC331ACVCT-ND*	.31	2.11	7.14	11.56	PCC331ACVTR-ND	4,000	9.00/M	ECJ-1VC1H331J
			390pF	±5%	0.80	PCC391ACVCT-ND*	.31	2.11	7.14	11.56	PCC391ACVTR-ND	4,000	9.00/M	ECJ-1VC1H391J
			470pF	±5%	0.80	PCC2147CT-ND	.31	2.11	7.14	11.56	PCC2147TR-ND	4,000	9.00/M	ECJ-1VC1H471J
			560pF	±5%	0.80	PCC2148CT-ND	.52	3.47	11.76	19.04	PCC2148TR-ND	4,000	15.00/M	ECJ-1VC1H561J
			680pF	±5%	0.80	PCC2149CT-ND	.52	3.47	11.76	19.04	PCC2149TR-ND	4,000	15.00/M	ECJ-1VC1H681J
			820pF	±5%	0.80	PCC2150CT-ND	.52	3.47	11.76	19.04	PCC2150TR-ND	4,000	15.00/M	ECJ-1VC1H821J
			1000pF	±5%	0.80	PCC2151CT-ND	.64	4.34	14.70	23.80	PCC2151TR-ND	4,000	19.00/M	ECJ-1VC1H102J
			220pF	±10%	0.80	PCC1953CT-ND	.44	3.08	10.64	17.92	PCC1953TR-ND	4,000	15.00/M	ECJ-1VB2D221K
			330pF	±10%	0.80	PCC1954CT-ND	.44	3.08	10.64	17.92	PCC1954TR-ND	4,000	15.00/M	ECJ-1VB2D331K
		200	470pF	±10%	0.80	PCC1955CT-ND	.44	3.08	10.64	17.92	PCC1955TR-ND	4,000	15.00/M	ECJ-1VB2D471K
			680pF	±10%	0.80	PCC1956CT-ND	.44	3.08	10.64	17.92	PCC1956TR-ND	4,000	15.00/M	ECJ-1VB2D681K
			1000pF	±10%	0.80	PCC1957CT-ND	.44	3.08	10.64	17.92	PCC1957TR-ND	4,000	15.00/M	ECJ-1VB2D102K
03			220pF	±10%	0.80	PCC1948CT-ND	.40	2.70	9.14	14.79	PCC1948TR-ND	4,000	12.00/M	ECJ-1VB2A221K
			330pF	±10%	0.80	PCC1949CT-ND	.40	2.70	9.14	14.79	PCC1949TR-ND	4,000	12.00/M	ECJ-1VB2A331K
		100	470pF	±10%	0.80	PCC1950CT-ND	.40	2.70	9.14	14.79	PCC1950TR-ND	4,000	12.00/M	ECJ-1VB2A471K
			680pF	±10%	0.80	PCC1951CT-ND	.40	2.70	9.14	14.79	PCC1951TR-ND	4,000	12.00/M	ECJ-1VB2A681K
			1000pF	±10%	0.80	PCC1952CT-ND	.40	2.70	9.14	14.79	PCC1952TR-ND	4,000	12.00/M	ECJ-1VB2A102K
			220pF	±10%	0.80	PCC221BVCT-ND	.83	5.58	18.90	30.60	PCC221BVTR-ND	4,000	24.00/M	ECU-V1H221KBV*
			1000pF	±10%	0.80	PCC1772CT-ND*	.29	1.92	6.51	10.54	PCC1772TR-ND	4,000	8.00/M	ECJ-1VB1H102K
			1200pF	±10%	0.80	PCC1773CT-ND*	.29	1.92	6.51	10.54	PCC1773TR-ND	4,000	8.00/M	ECJ-1VB1H122K
			1500pF	±10%	0.80	PCC1774CT-ND*	.29	1.92	6.51	10.54	PCC1774TR-ND	4,000	8.00/M	ECJ-1VB1H152K
			1800pF	±10%	0.80	PCC1775CT-ND*	.29	1.92	6.51	10.54	PCC1775TR-ND	4,000	8.00/M	ECJ-1VB1H182K
			2200pF	±10%	0.80	PCC1776CT-ND*	.23	1.52	5.15	8.33	PCC1776TR-ND	4,000	7.00/M	ECJ-1VB1H222K
			2700pF	±10%	0.80	PCC1777CT-ND*	.29	1.92	6.51	10.54	PCC1777TR-ND	4,000	8.00/M	ECJ-1VB1H272K
			3300pF	±10%	0.80	PCC1778CT-ND*	.29	1.92	6.51	10.54	PCC1778TR-ND	4,000	8.00/M	ECJ-1VB1H332K
			3900pF	±10%	0.80	PCC1779CT-ND*	.29	1.92	6.51	10.54	PCC1779TR-ND	4,000	8.00/M	ECJ-1VB1H392K
			4700pF	±10%	0.80	PCC1780CT-ND*	.29	1.92	6.51	10.54	PCC1780TR-ND	4,000	8.00/M	ECJ-1VB1H472K
			5600pF	±10%	0.80	PCC1781CT-ND*	.29	1.92	6.51	10.54	PCC1781TR-ND	4,000	8.00/M	ECJ-1VB1H562K
			6800pF	±10%	0.80	PCC1782CT-ND*	.29	1.92	6.51	10.54	PCC1782TR-ND	4,000	8.00/M	ECJ-1VB1H682K
		50	8200pF	±10%	0.80	PCC1783CT-ND*	.29	1.92	6.51	10.54	PCC1783TR-ND	4,000	8.00/M	ECJ-1VB1H822K
			10000pF	±10%	0.80	PCC1784CT-ND*	.27	1.83	6.20	10.03	PCC1784TR-ND	4,000	8.00/M	ECJ-1VB1H103K
			12000pF	±10%	0.80	PCC123BVCT-ND	.47	3.17	10.75	17.41	PCC123BVTR-ND	4,000	14.00/M	ECU-V1H123KBV*
	X7R		12000pF	±10%	0.80	PCC1785CT-ND*	.34	2.26	7.67	12.41	PCC1785TR-ND	4,000	10.00/M	ECJ-1VB1H123K
			15000pF	±10%	0.80	PCC1786CT-ND*	.34	2.26	7.67	12.41	PCC1786TR-ND	4,000	10.00/M	ECJ-1VB1H153K
			.018µF	±10%	0.80	PCC2281CT-ND	.34	2.26	7.67	11.68	PCC2281TR-ND	4,000	10.00/M	ECJ-1VB1H183K
			.022µF	±10%	0.80	PCC2282CT-ND	.34	2.26	7.67	11.68	PCC2282TR-ND	4,000	10.00/M	ECJ-1VB1H223K
			.027µF	±10%	0.80	PCC2283CT-ND	.58	3.94	13.34	20.32	PCC2283TR-ND	4,000	17.00/M	ECJ-1VB1H273K
			.033µF	±10%	0.80	PCC2284CT-ND	.58	3.94	13.34	20.32	PCC2284TR-ND	4,000	17.00/M	ECJ-1VB1H333K
			.039µF	±10%	0.80	PCC2285CT-ND	.58	3.94	13.34	20.32	PCC2285TR-ND	4,000	17.00/M	ECJ-1VB1H393K
			.047µF	±10%	0.80	PCC2286CT-ND	.83	5.40	17.48	22.23	PCC2286TR-ND	4,000	24.00/M	ECJ-1VB1H473K
			.1µF	±10%	0.80	PCC2398CT-ND	.90	5.87	18.98	24.15	PCC2398TR-ND	4,000	21.00/M	ECJ-1VB1H104K
			10000pF	±10%	0.80	PCC1763CT-ND	.27	1.83	6.20	10.03	PCC1763TR-ND	4,000	8.00/M	ECJ-1VB1E103K
			12000pF	±10%	0.80	PCC1764CT-ND	.34	2.26	7.67	12.41	PCC1764TR-ND	4,000	10.00/M	ECJ-1VB1E123K
			15000pF	±10%	0.80	PCC1765CT-ND	.34	2.26	7.67	12.41	PCC1765TR-ND	4,000	10.00/M	ECJ-1VB1E153K
			18000pF	±10%	0.80	PCC1766CT-ND*	.34	2.26	7.67	12.41	PCC1766TR-ND	4,000	10.00/M	ECJ-1VB1E183K
			22000pF	±10%	0.80	PCC1767CT-ND*	.34	2.26	7.67	12.41	PCC1767TR-ND	4,000	10.00/M	ECJ-1VB1E223K
			27000pF	±10%	0.80	PCC1768CT-ND*	.34	2.26	7.67	12.41	PCC1768TR-ND	4,000	10.00/M	ECJ-1VB1E273K
		25	33000pF	±10%	0.80	PCC1769CT-ND*	.34	2.26	7.67	12.41	PCC1769TR-ND	4,000	10.00/M	ECJ-1VB1E333K
			39000pF	±10%	0.80	PCC1770CT-ND*	.34	2.26	7.67	12.41	PCC1770TR-ND	4,000	10.00/M	ECJ-1VB1E393K
			47000pF	±10%	0.80	PCC1771CT-ND*	.34	2.26	7.67	12.41	PCC1771TR-ND	4,000	10.00/M	ECJ-1VB1E473K
			.056µF	±10%	0.80	PCC2278CT-ND	.45	3.04	10.29	15.68	PCC2278TR-ND	4,000	13.00/M	ECJ-1VB1E563K
			.068µF	±10%	0.80	PCC2279CT-ND	.45	3.04	10.29	15.68	PCC2279TR-ND	4,000	13.00/M	ECJ-1VB1E683K
			.082µF	±10%	0.80	PCC2280CT-ND	.45	3.04	10.29	15.68	PCC2280TR-ND	4,000	13.00/M	ECJ-1VB1E823K
			.1µF	±10%	0.80	PCC2277CT-ND	.45	3.04	10.29	15.68	PCC2277TR-ND	4,000	13.00/M	ECJ-1VB1E104K
			10000pF	±10%	0.80	PCC1750CT-ND	.35	2.36	7.98	12.92	PCC1750TR-ND	4,000	10.00/M	ECJ-1VB1C103K
			12000pF	±10%	0.80	PCC1751CT-ND	.35	2.36	7.98	12.92	PCC1751TR-ND	4,000	10.00/M	ECJ-1VB1C123K
			15000pF	±10%	0.80	PCC1752CT-ND	.35	2.36	7.98	12.92	PCC1752TR-ND	4,000	10.00/M	ECJ-1VB1C153K
			18000pF	±10%	0.80	PCC1753CT-ND	.35	2.36	7.98	12.92	PCC1753TR-ND	4,000	10.00/M	ECJ-1VB1C183K
		16	22000pF	±10%	0.80	PCC1754CT-ND	.35	2.36	7.98	12.92	PCC1754TR-ND	4,000	10.00/M	ECJ-1VB1C223K
			27000pF	±10%	0.80	PCC1755CT-ND	.35	2.36	7.98	12.92	PCC1755TR-ND	4,000	10.00/M	ECJ-1VB1C273K
			33000pF	±10%	0.80	PCC1756CT-ND	.35	2.36	7.98	12.92	PCC1756TR-ND	4,000	10.00/M	ECJ-1VB1C333K
			39000pF	±10%	0.80	PCC1757CT-ND	.35	2.36	7.98	12.92	PCC1757TR-ND	4,000	10.00/M	ECJ-1VB1C393K
			47000pF	±10%	0.80	PCC1758CT-ND	.35	2.36	7.98	12.92	PCC1758TR-ND	4,000	10.00/M	ECJ-1VB1C473K

educed DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

(Continued)

Size Code	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
0603	X7R	16	56000pF	±10%	0.80	PCC1759CT-ND•	.35	2.36	7.98	12.92	PCC1759TR-ND	4,000	10.00/M	ECJ-1VB1C563K
			68000pF	±10%	0.80	PCC1760CT-ND•	.35	2.36	7.98	12.92	PCC1760TR-ND	4,000	10.00/M	ECJ-1VB1C683K
			82000pF	±10%	0.80	PCC1761CT-ND•	.35	2.36	7.98	12.92	PCC1761TR-ND	4,000	10.00/M	ECJ-1VB1C823K
			.1µF	±10%	0.80	PCC1762CT-ND•	.35	2.36	7.98	12.92	PCC1762TR-ND	4,000	10.00/M	ECJ-1VB1C104K
		25	.1µF	±10%	0.80	PCC2422CT-ND	2.12	13.86	44.83	57.05	PCC2422TR-ND	4,000	51.00/M	ECJ-1VB1E105K
		16	1.0µF	±10%	0.80	PCC2224CT-ND	.87	6.20	22.32	34.72	PCC2224TR-ND	4,000	32.00/M	ECJ-1VB1C105K
		10	.12µF	±10%	0.80	PCC1906CT-ND•	1.76	12.38	42.75	72.00	PCC1906TR-ND	4,000	59.00/M	ECJ-1VB1A124K
			.15µF	±10%	0.80	PCC1748CT-ND•	.30	2.09	7.22	12.16	PCC1748TR-ND	4,000	10.00/M	ECJ-1VB1A154K
			.18µF	±10%	0.80	PCC1907CT-ND•	1.79	12.65	43.70	73.60	PCC1907TR-ND	4,000	60.00/M	ECJ-1VB1A184K
			.22µF	±10%	0.80	PCC1749CT-ND•	.46	3.25	11.21	18.88	PCC1749TR-ND	4,000	15.00/M	ECJ-1VB1A224K
			.33µF	±10%	0.80	PCC2274CT-ND	.46	3.25	11.21	18.88	PCC2274TR-ND	4,000	16.00/M	ECJ-1VB1A334K
			.47µF	±10%	0.80	PCC2275CT-ND	.46	3.25	11.21	18.88	PCC2275TR-ND	4,000	16.00/M	ECJ-1VB1A474K
			.68µF	±10%	0.80	PCC2276CT-ND	.97	6.54	22.16	33.76	PCC2276TR-ND	4,000	28.00/M	ECJ-1VB1A684K
			1µF	±10%	0.80	PCC2174CT-ND	.74	5.28	18.99	31.65	PCC2174TR-ND	4,000	27.00/M	ECJ-1VB1A105K
			2.2µF	±20%	0.80	PCC2365CT-ND	1.35	9.08	29.70	46.20	PCC2365TR-ND	4,000	44.00/M	ECJ-1VB1A225M
			2.2µF	±10%	0.80	PCC2397CT-ND	1.73	11.22	34.65	49.50	PCC2397TR-ND	4,000	48.00/M	ECJ-1VB1A225K
	X5R	16	.27µF	±10%	0.80	PCC1906CT-ND	2.34	16.50	57.00	96.00	PCC1908TR-ND	4,000	78.00/M	ECJ-1VB0J274K
			.33µF	±10%	0.80	PCC1908CT-ND	2.34	16.50	57.00	96.00	PCC1909TR-ND	4,000	78.00/M	ECJ-1VB0J334K
			.39µF	±10%	0.80	PCC1910CT-ND	2.34	16.50	57.00	96.00	PCC1910TR-ND	4,000	78.00/M	ECJ-1VB0J394K
			.47µF	±10%	0.80	PCC1911CT-ND	.45	3.19	11.02	18.56	PCC1911TR-ND	4,000	15.00/M	ECJ-1VB0J474K
			.56µF	±10%	0.80	PCC1912CT-ND	2.42	17.05	58.90	99.20	PCC1912TR-ND	4,000	81.00/M	ECJ-1VB0J564K
		6.3	.68µF	±10%	0.80	PCC1913CT-ND	.45	3.19	11.02	18.56	PCC1913TR-ND	4,000	15.00/M	ECJ-1VB0J684K
			.82µF	±10%	0.80	PCC1914CT-ND	2.50	17.60	60.80	102.40	PCC1914TR-ND	4,000	83.00/M	ECJ-1VB0J824K
			1µF	±10%	0.80	PCC1915CT-ND•	.51	3.63	12.54	21.12	PCC1915TR-ND	4,000	17.00/M	ECJ-1VB0J105K
			2.2µF	±10%	0.80	PCC2273CT-ND	1.17	8.25	28.50	45.00	PCC2273TR-ND	4,000	39.00/M	ECJ-1VB0J225K
			2.2µF	±10%	0.80	PCC13494CT-ND†	2.28	14.88	48.13	61.25	PCC13494TR-ND†	4,000	54.00/M	ECJ-1VBFJ225K
			4.7µF	±10%	0.80	PCC2396CT-ND	1.97	12.75	39.38	56.25	PCC2396TR-ND	4,000	54.00/M	ECJ-1VB0J475K
			4.7µF	±10%	0.80	PCC13495CT-ND†	2.29	14.86	45.89	65.55	PCC13495TR-ND†	4,000	63.00/M	ECJ-1VBFJ475K
			4.7µF	±20%	0.80	PCC2318CT-ND	1.46	10.31	35.63	56.25	PCC2318TR-ND	4,000	49.00/M	ECJ-1VB0J475M
			10µF	±20%	0.80	PCC2395CT-ND	4.10	27.50	90.00	140.00	PCC2395TR-ND	4,000	133.00/M	ECJ-1VB0J106M
		4.0	10µF	±20%	0.80	PCC2367CT-ND	3.25	21.49	81.18	128.93	PCC2367TR-ND	4,000	124.00/M	ECJ-1VB0G106M
	X5S	25	1.0µF	±20%	0.80	PCC2354CT-ND	1.67	11.77	40.66	64.20	PCC2354TR-ND	4,000	56.00/M	ECJ-1V41E105M
	Y5V	50	1500pF	+80%/-20%	0.80	PCC1796CT-ND	.70	4.75	16.08	26.03	PCC1796TR-ND	4,000	21.00/M	ECU-V1H152ZFV*
			10000pF	+80%/-20%	0.80	PCC1801CT-ND	.29	1.92	6.51	10.54	PCC1801TR-ND	4,000	8.00/M	ECJ-1VF1H103Z
			15000pF	+80%/-20%	0.80	PCC1802CT-ND	.69	4.65	15.75	25.50	PCC1802TR-ND	4,000	20.00/M	ECJ-1VF1H153Z
			22000pF	+80%/-20%	0.80	PCC1803CT-ND	.31	2.08	7.04	11.39	PCC1803TR-ND	4,000	9.00/M	ECJ-1VF1H223Z
			33000pF	+80%/-20%	0.80	PCC1804CT-ND	.87	5.89	19.95	32.30	PCC1804TR-ND	4,000	26.00/M	ECJ-1VF1H333Z
			47000pF	+80%/-20%	0.80	PCC1805CT-ND	.31	2.08	7.04	11.39	PCC1805TR-ND	4,000	9.00/M	ECJ-1VF1H473Z
			68000pF	+80%/-20%	0.80	PCC2152CT-ND	1.15	7.75	26.25	42.50	PCC2152TR-ND	4,000	34.00/M	ECJ-1VF1H683Z
			.1µF	+80%/-20%	0.80	PCC2153CT-ND	.36	2.45	8.30	13.43	PCC2153TR-ND	4,000	11.00/M	ECJ-1VF1H104Z
		25	68000pF	+80%/-20%	0.80	PCC1793CT-ND	1.10	7.44	25.20	40.80	PCC1793TR-ND	4,000	32.00/M	ECJ-1VF1E683Z
			.1µF	+80%/-20%	0.80	PCC1794CT-ND	.33	2.20	7.46	12.07	PCC1794TR-ND	4,000	10.00/M	ECJ-1VF1E104Z
		16	.1µF	+80%/-20%	0.80	PCC1788CT-ND	.27	1.80	6.09	9.86	PCC1788TR-ND	4,000	8.00/M	ECJ-1VF1C104Z
			.15µF	+80%/-20%	0.80	PCC1789CT-ND	1.01	6.82	23.10	37.40	PCC1789TR-ND	4,000	30.00/M	ECJ-1VF1C154Z
			.22µF	+80%/-20%	0.80	PCC1790CT-ND	.38	2.57	8.72	14.11	PCC1790TR-ND	4,000	11.00/M	ECJ-1VF1C224Z
			.33µF	+80%/-20%	0.80	PCC1791CT-ND	1.38	9.30	31.50	51.00	PCC1791TR-ND	4,000	41.00/M	ECJ-1VF1C334Z
			.47µF	+80%/-20%	0.80	PCC1792CT-ND	.38	2.57	8.72	14.11	PCC1792TR-ND	4,000	11.00/M	ECJ-1VF1C474Z
		10	.68µF	+80%/-20%	0.80	PCC2154CT-ND	1.91	13.48	46.55	78.40	PCC2154TR-ND	4,000	64.00/M	ECJ-1VF1A684Z
			1µF	+80%/-20%	0.80	PCC1787CT-ND	.36	2.53	8.74	14.72	PCC1787TR-ND	4,000	12.00/M	ECJ-1VF1A105Z
		6.3	2.2µF	+80%/-20%	0.80	PCC2181CT-ND	1.08	7.73	27.81	46.35	PCC2181TR-ND	4,000	40.00/M	ECJ-1VF0J225Z
	F	25	1µF	±80%/-20%	0.80	PCC2399CT-ND	.59	3.83	12.38	15.75	PCC2399TR-ND	4,000	14.00/M	ECJ-1VF1E105Z
		16	1µF	+80%/-20%	0.80	PCC2287CT-ND	.52	3.47	11.76	17.92	PCC2287TR-ND	4,000	15.00/M	ECJ-1VF1C105Z
		10	2.2µF	+80%/-20%	0.80	PCC2229CT-ND	1.17	8.35	30.06	46.76	PCC2229TR-ND	4,000	43.00/M	ECJ-1VF1A225Z
0612	X7R	50	15000pF	±10%	0.85	PCC2173CT-ND	3.08	22.00	79.18	131.97	PCC2173TR-ND	4,000	114.00/M	ECY-39RH153KV
		16	.33µF	±10%	0.85	PCC2185CT-ND	7.80	55.72	200.58	334.31	PCC2185TR-ND	4,000	290.00/M	ECY-39RC334KV
	X5R	50	.1µF	±10%	0.85	PCC2313CT-ND	2.39	16.83	58.14	91.80	PCC2313TR-ND	4,000	80.00/M	ECY-39RH104KV
		16	1µF	±10%	0.85	PCC2186CT-ND	2.43	17.33	62.37	103.95	PCC2186TR-ND	4,000	90.00/M	ECY-39RC105KV
		6.3	10µF	±20%	0.85	PCC2355CT-ND	13.32	99.88	355.12	590.39	PCC2355TR-ND	4,000	568.00/M	ECY-39RJ106MV
0805	NPO	200	10pF	±0.5pF	0.85	PCC1971CT-ND	1.10	7.85	28.26	47.10	PCC1971TR-ND	4,000	41.00/M	ECJ-2VC2D100D
			15pF	±5%	0.85	PCC1972CT-ND	1.10	7.85	28.26	47.10	PCC1972TR-ND	4,000	41.00/M	ECJ-2VC2D150J
			22pF	±5%	0.85	PCC1973CT-ND	1.10	7.85	28.26	47.10	PCC1973TR-ND	4,000	41.00/M	ECJ-2VC2D220J
			33pF	±5%	0.85	PCC1974CT-ND	1.10	7.85	28.26	47.10	PCC1974TR-ND	4,000	41.00/M	ECJ-2VC2D330J
			47pF	±5%	0.85	PCC1975CT-ND	1.10	7.85	28.26	47.10	PCC1975TR-ND	4,000	41.00/M	ECJ-2VC2D470J
			68pF	±5%	1.25	PCC1976CT-ND	3.78	27.00	97.20	162.00	PCC1976TR-ND	2,000	151.00/M	ECJ-2YC2D680J
			100pF	±5%	1.25	PCC1977CT-ND	3.82	27.25	98.10	163.50	PCC1977TR-ND	2,000	153.00/M	ECJ-2YC2D101J
			150pF	±5%	1.25	PCC1978CT-ND	3.96	28.25	101.70	169.50	PCC1978TR-ND	2,000	158.00/M	ECJ-2YC2D151J
			220pF	±5%	1.25	PCC1979CT-ND	3.96	28.25	101.70	169.50	PCC1979TR-ND	2,000	158.00/M	ECJ-2YC2D221J
			330pF	±5%	1.25	PCC1980CT-ND	3.96	28.25	101.70	169.50	PCC1980TR-ND	2,000	158.00/M	ECJ-2YC2D331J
		100	10pF	±0.5pF	0.85	PCC1958CT-ND	1.09	7.67	26.51	44.64	PCC1958TR-ND	4,000	36.00/M	ECJ-2VC2A100D
			15pF	±5%	0.85	PCC1959CT-ND	1.09	7.67	26.51	44.64	PCC1959TR-ND	4,000	36.00/M	ECJ-2VC2A150J
			22pF	±5%	0.85	PCC1960CT-ND	1.09	7.67	26.51	44.64	PCC1960TR-ND	4,000	36.00/M	ECJ-2VC2A220J
			33pF	±5%	0.85	PCC1961CT-ND	1.09	7.67	26.51	44.64	PCC1961TR-ND	4,000	36.00/M	ECJ-2VC2A330J
			47pF	±5%	0.85	PCC1962CT-ND	1.09	7.67	26.51	44.64	PCC1962TR-ND	4,000	36.00/M	ECJ-2VC2A470J
			68pF	±5%	0.85	PCC1963CT-ND	1.22	8.58	29.64	49.92	PCC1963TR-ND	4,000	41.00/M	ECJ-2VC2A680J
			100pF	±5%	0.85	PCC1964CT-ND	1.22	8.58	29.64	49.92	PCC1964TR-ND	4,000	41.00/M	ECJ-2VC2A101J
			150pF	±5%	0.85	PCC1965CT-ND	1.22	8.58	29.64	49.92	PCC1965TR-ND	4,000	41.00/M	ECJ-2VC2A151J
			220pF	±5%	0.85	PCC1966CT-ND	1.22	8.58	29.64	49.92	PCC1966TR-ND	4,000	41.00/M	ECJ-2VC2A221J
			330pF	±5%	0.85	PCC1967CT-ND	1.22	8.58	29.64	49.92	PCC1967TR-ND	4,000	41.00/M	ECJ-2VC2A331J
			470pF	±5%	0.85	PCC1968CT-ND	1.22	8.58	29.64	49.92	PCC1968TR-ND	4,000	41.00/M	ECJ-2VC2A471J
			680pF	±5%	0.85	PCC1969CT-ND	1.09	7.80	28.08	46.80	PCC1969TR-ND	4,000	41.00/M	ECJ-2VC2A681J
			1000pF	±5%	0.85	PCC1970CT-ND	1.29	9.23	33.21	55.35	PCC1970TR-ND	4,000	48.00/M	ECJ-2VC2A102J
		50	.5pF	±0.25pF	0.60	PCC0R5CNCT-ND•	.97	6.51	22.05	33.60	PCC0R5CNTR-ND	5,000	28.00/M	ECJ-2VC1H0R5C
			1.0pF	±0.25pF	0.60	PCC010CNCT-ND•	.97	6.51	22.05	33.60	PCC010CNTR-ND	5,000	28.00/M	ECJ-2VC1H010C
			1.5pF	±0.25pF	0.60	PCC1R5CNCT-ND•	.97	6.51	22.05	33.60	PCC1R5CNTR-ND	5,000	28.00/M	ECJ-2VC1H1R5C
			2.0pF	±0.25pF	0.60	PCC020CNCT-ND•	.97	6.51	22.05	33.60	PCC020CNTR-ND	5,000	28.00/M	ECJ-2VC1H020C
			3.0pF	±0.25pF	0.60	PCC030CNCT-ND•	.97	6.51	22.05	33.60	PCC030CNTR-ND	5,000	28.00/M	ECJ-2VC1H030C
			4.0pF	±0.25pF	0.60	PCC040CNCT-ND•	.97	6.51	22.05	33.60	PCC040CNTR-ND	5,000	28.00/M	ECJ-2VC1H040C
			5.0pF	±0.25pF	0.60	PCC050CNCT-ND•	.97	6.51	22.05	33.60	PCC050CNTR-ND	5,000	28.00/M	ECJ-2VC1H050C
			6.0pF	±0.5pF	0.60	PCC060CNCT-ND•	.97	6.51	22.05	33.60	PCC060CNTR-ND	5,000	28.00/M	ECJ-2VC1H060D
			7.0pF	±0.5pF	0.60	PCC070CNCT-ND•	.97	6.51	22.05	33.60	PCC070CNTR-ND	5,000	28.00/M	ECJ-2VC1H070D
			8.0pF	±0.5pF	0.60	PCC080CNCT-ND•	.97	6.51	22.05	33.60	PCC080CNTR-ND	5,000	28.00/M	ECJ-2VC1H080D
			9.0pF	±0.5pF	0.60	PCC090CNCT-ND•	.97	6.51	22.05	33.60	PCC090CNTR-ND	5,000	28.00/M	ECJ-2VC1H090D
			10pF	±0.5pF	0.60	PCC100CNCT-ND•	.97	6.51	22.05	33.60	PCC100CNTR-ND	5,000	28.00/M	ECJ-2VC1H100D
			12pF	±5%	0.60	PCC120CNCT-ND•	.97	6.51	22.05	33.60	PCC120CNTR-ND	5,000	28.00/M	ECJ-2VC1H120J
			15pF	±5%	0.60	PCC150CNCT-ND•	.97	6.51	22.05	33.60	PCC150CNTR-ND	5,000	28.00/M	ECJ-2VC1H150J
			18pF	±5%	0.60	PCC180CNCT-ND	.97	6.51	22.05	33.60	PCC180CNTR-ND	5,000	28.00/M	ECJ-2VC1H180J
			22pF	±5%	0.60	PCC220CNCT-ND•	.69	4.65	15.75	24.00	PCC220CNTR-ND	5,000	20.00/M	ECJ-2VC1H220J
			27pF	±5%	0.60	PCC270CGCT-ND	.49	3.32	11.24	17.12	PCC270CGTR-ND	5,000	14.00/M	ECJ-2VC1H270J

‡ Reduced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

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ze ode	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
			33pF	±5%	0.60	PCC330CGCT-ND*	.49	3.32	11.24	17.12	PCC330CGTR-ND	5,000	14.00/M	ECJ-2VC1H330J
			39pF	±5%	0.60	PCC390CGCT-ND	.49	3.32	11.24	17.12	PCC390CGTR-ND	5,000	14.00/M	ECJ-2VC1H390J
			47pF	±5%	0.60	PCC470CGCT-ND*	.49	3.32	11.24	17.12	PCC470CGTR-ND	5,000	14.00/M	ECJ-2VC1H470J
			56pF	±5%	0.60	PCC560CGCT-ND	.49	3.32	11.24	17.12	PCC560CGTR-ND	5,000	14.00/M	ECJ-2VC1H560J
			68pF	±5%	0.60	PCC680CGCT-ND*	.49	3.32	11.24	17.12	PCC680CGTR-ND	5,000	14.00/M	ECJ-2VC1H680J
			82pF	±5%	0.60	PCC820CGCT-ND	.49	3.32	11.24	17.12	PCC820CGTR-ND	5,000	14.00/M	ECJ-2VC1H820J
			100pF	±5%	0.60	PCC101CGCT-ND*	.49	3.32	11.24	17.12	PCC101CGTR-ND	5,000	14.00/M	ECJ-2VC1H101J
			120pF	±5%	0.60	PCC121CGCT-ND*	.49	3.32	11.24	17.12	PCC121CGTR-ND	5,000	14.00/M	ECJ-2VC1H121J
			150pF	±5%	0.60	PCC151CGCT-ND*	.49	3.32	11.24	17.12	PCC151CGTR-ND	5,000	14.00/M	ECJ-2VC1H151J
			180pF	±5%	0.60	PCC181CGCT-ND*	.49	3.32	11.24	17.12	PCC181CGTR-ND	5,000	14.00/M	ECJ-2VC1H181J
			220pF	±5%	0.60	PCC221CGCT-ND*	.49	3.32	11.24	17.12	PCC221CGTR-ND	5,000	14.00/M	ECJ-2VC1H221J
			270pF	±5%	0.60	PCC271CGCT-ND*	.49	3.32	11.24	17.12	PCC271CGTR-ND	5,000	14.00/M	ECJ-2VC1H271J
			330pF	±5%	0.60	PCC331CGCT-ND*	.49	3.32	11.24	17.12	PCC331CGTR-ND	5,000	14.00/M	ECJ-2VC1H331J
			390pF	±5%	0.60	PCC391CGCT-ND*	.49	3.32	11.24	17.12	PCC391CGTR-ND	5,000	14.00/M	ECJ-2VC1H391J
	NPO	50	470pF	±5%	0.60	PCC471CGCT-ND*	.49	3.32	11.24	17.12	PCC471CGTR-ND	5,000	14.00/M	ECJ-2VC1H471J
			560pF	±5%	0.60	PCC561CGCT-ND*	.49	3.32	11.24	17.12	PCC561CGTR-ND	5,000	14.00/M	ECJ-2VC1H561J
			680pF	±5%	0.60	PCC681CGCT-ND*	.49	3.32	11.24	17.12	PCC681CGTR-ND	5,000	14.00/M	ECJ-2VC1H681J
			820pF	±5%	0.60	PCC821CGCT-ND*	.76	5.12	17.33	26.40	PCC821CGTR-ND	5,000	22.00/M	ECJ-2VC1H821J
			1000pF	±5%	0.60	PCC102CGCT-ND*	.76	5.12	17.33	26.40	PCC102CGTR-ND	5,000	22.00/M	ECJ-2VC1H102J
			1200pF	±5%	0.60	PCC2155CT-ND	1.61	10.82	36.65	55.84	PCC2155TR-ND	5,000	45.00/M	ECJ-2VC1H122J
			1500pF	±5%	0.60	PCC2158CT-ND	1.61	10.82	36.65	55.84	PCC2156TR-ND	5,000	45.00/M	ECJ-2VC1H152J
			1800pF	±5%	0.60	PCC2157CT-ND	2.14	14.42	48.83	74.40	PCC2157TR-ND	5,000	60.00/M	ECJ-2VC1H182J
			2200pF	±5%	0.60	PCC2158CT-ND	2.14	14.42	48.83	74.40	PCC2158TR-ND	5,000	60.00/M	ECJ-2VC1H222J
			2700pF	±5%	0.60	PCC2159CT-ND	2.14	14.42	48.83	74.40	PCC2159TR-ND	4,000	60.00/M	ECJ-2VC1H272J
			220pF	±10%	0.85	PCC1993CT-ND	.73	5.20	18.72	31.20	PCC1993TR-ND	4,000	27.00/M	ECJ-2VB2D221K
			330pF	±10%	0.85	PCC1994CT-ND	.73	5.20	18.72	31.20	PCC1994TR-ND	4,000	27.00/M	ECJ-2VB2D331K
			470pF	±10%	0.85	PCC1995CT-ND	.73	5.20	18.72	31.20	PCC1995TR-ND	4,000	27.00/M	ECJ-2VB2D471K
			680pF	±10%	0.85	PCC1996CT-ND	.73	5.20	18.72	31.20	PCC1996TR-ND	4,000	27.00/M	ECJ-2VB2D681K
			1000pF	±10%	0.85	PCC1997CT-ND	.73	5.20	18.72	31.20	PCC1997TR-ND	4,000	27.00/M	ECJ-2VB2D102K
		200	1500pF	±10%	0.85	PCC1998CT-ND	.73	5.20	18.72	31.20	PCC1998TR-ND	4,000	27.00/M	ECJ-2VB2D152K
			2200pF	±10%	0.85	PCC1999CT-ND	.73	5.20	18.72	31.20	PCC1999TR-ND	4,000	27.00/M	ECJ-2VB2D222K
			3300pF	±10%	0.85	PCC2000CT-ND	.73	5.20	18.72	31.20	PCC2000TR-ND	4,000	27.00/M	ECJ-2VB2D332K
			4700pF	±10%	0.85	PCC2001CT-ND	.73	5.20	18.72	31.20	PCC2001TR-ND	4,000	27.00/M	ECJ-2VB2D472K
			6800pF	±10%	1.25	PCC2002CT-ND	3.43	24.50	88.20	147.00	PCC2002TR-ND	2,000	137.00/M	ECJ-2YB2D682K
			10000pF	±10%	1.25	PCC2003CT-ND	6.50	47.71	172.55	294.35	PCC2003TR-ND	2,000	274.00/M	ECJ-2YB2D103K
			220pF	±10%	0.85	PCC1981CT-ND	.66	4.68	16.15	27.20	PCC1981TR-ND	4,000	22.00/M	ECJ-2VB2A221K
			330pF	±10%	0.85	PCC1982CT-ND	.66	4.68	16.15	27.20	PCC1982TR-ND	4,000	22.00/M	ECJ-2VB2A331K
			470pF	±10%	0.85	PCC1983CT-ND	.66	4.68	16.15	27.20	PCC1983TR-ND	4,000	22.00/M	ECJ-2VB2A471K
			680pF	±10%	0.85	PCC1984CT-ND	.66	4.68	16.15	27.20	PCC1984TR-ND	4,000	22.00/M	ECJ-2VB2A681K
			1000pF	±10%	0.85	PCC1985CT-ND	.66	4.68	16.15	27.20	PCC1985TR-ND	4,000	22.00/M	ECJ-2VB2A102K
		100	1500pF	±10%	0.85	PCC1986CT-ND	.66	4.68	16.15	27.20	PCC1986TR-ND	4,000	22.00/M	ECJ-2VB2A152K
			2200pF	±10%	0.85	PCC1987CT-ND	.66	4.68	16.15	27.20	PCC1987TR-ND	4,000	22.00/M	ECJ-2VB2A222K
			3300pF	±10%	0.85	PCC1988CT-ND	.66	4.68	16.15	27.20	PCC1988TR-ND	4,000	22.00/M	ECJ-2VB2A332K
			4700pF	±10%	0.85	PCC1989CT-ND	.76	5.39	18.62	31.36	PCC1989TR-ND	4,000	25.00/M	ECJ-2VB2A472K
			6800pF	±10%	0.85	PCC1990CT-ND	.76	5.39	18.62	31.36	PCC1990TR-ND	4,000	25.00/M	ECJ-2VB2A682K
			10000pF	±10%	0.85	PCC1991CT-ND	.94	6.73	24.21	40.35	PCC1991TR-ND	4,000	35.00/M	ECJ-2VB2A103K
			15000pF	±10%	1.25	PCC1992CT-ND	4.27	30.50	109.80	183.00	PCC1992TR-ND	2,000	171.00/M	ECJ-2YB2A153K
05			1000pF	±10%	0.60	PCC102BNCT-ND*	.54	3.66	12.39	18.88	PCC102BNTR-ND	5,000	16.00/M	ECJ-2VB1H102K
			1200pF	±10%	0.60	PCC122BNCT-ND*	.54	3.66	12.39	18.88	PCC122BNTR-ND	5,000	16.00/M	ECJ-2VB1H122K
			1500pF	±10%	0.60	PCC152BNCT-ND*	.54	3.66	12.39	18.88	PCC152BNTR-ND	5,000	16.00/M	ECJ-2VB1H152K
			1800pF	±10%	0.60	PCC182BNCT-ND*	.54	3.66	12.39	18.88	PCC182BNTR-ND	5,000	16.00/M	ECJ-2VB1H182K
			2200pF	±10%	0.60	PCC222BNCT-ND*	.37	2.48	8.40	12.80	PCC222BNTR-ND	5,000	11.00/M	ECJ-2VB1H222K
			2700pF	±10%	0.60	PCC272BNCT-ND*	.54	3.66	12.39	18.88	PCC272BNTR-ND	5,000	16.00/M	ECJ-2VB1H272K
			3300pF	±10%	0.60	PCC332BNCT-ND*	.54	3.66	12.39	18.88	PCC332BNTR-ND	5,000	16.00/M	ECJ-2VB1H332K
			3900pF	±10%	0.60	PCC392BNCT-ND*	.54	3.66	12.39	18.88	PCC392BNTR-ND	5,000	16.00/M	ECJ-2VB1H392K
			4700pF	±10%	0.60	PCC472BNCT-ND*	.37	2.48	8.40	12.80	PCC472BNTR-ND	5,000	11.00/M	ECJ-2VB1H472K
			5600pF	±10%	0.60	PCC562BNCT-ND*	.54	3.66	12.39	18.88	PCC562BNTR-ND	5,000	16.00/M	ECJ-2VB1H562K
			6800pF	±10%	0.60	PCC682BNCT-ND*	.54	3.66	12.39	18.88	PCC682BNTR-ND	5,000	16.00/M	ECJ-2VB1H682K
			8200pF	±10%	0.60	PCC822BNCT-ND*	.54	3.66	12.39	18.88	PCC822BNTR-ND	5,000	16.00/M	ECJ-2VB1H822K
			10000pF	±10%	0.60	PCC103BNCT-ND*	.54	3.66	12.39	18.88	PCC103BNTR-ND	5,000	16.00/M	ECJ-2VB1H103K
		50	12000pF	±10%	0.60	PCC123BGCT-ND*	.54	3.66	12.39	18.88	PCC123BGTR-ND	5,000	16.00/M	ECJ-2VB1H123K
			15000pF	±10%	0.60	PCC153BGCT-ND*	.54	3.66	12.39	18.88	PCC153BGTR-ND	5,000	16.00/M	ECJ-2VB1H153K
			18000pF	±10%	0.60	PCC183BGCT-ND*	.54	3.66	12.39	18.88	PCC183BGTR-ND	5,000	16.00/M	ECJ-2VB1H183K
			22000pF	±10%	0.60	PCC223BGCT-ND*	.37	2.48	8.40	12.80	PCC223BGTR-ND	5,000	11.00/M	ECJ-2VB1H223K
			27000pF	±10%	1.00	PCC273BGCT-ND	1.59	10.70	36.24	58.67	PCC273BGTR-ND	4,000	47.00/M	ECU-V1H273KBX*
	X7R		27000pF	±10%	0.85	PCC1833CT-ND*	.43	2.91	9.87	15.98	PCC1833TR-ND	4,000	13.00/M	ECJ-2VB1H273K
			33000pF	±10%	0.85	PCC1834CT-ND*	.59	3.97	13.44	21.76	PCC1834TR-ND	4,000	17.00/M	ECJ-2VB1H333K
			39000pF	±10%	0.85	PCC1835CT-ND*	1.00	6.73	22.79	36.89	PCC1835TR-ND	4,000	29.00/M	ECJ-2VB1H393K
			47000pF	±10%	1.25	PCC1836CT-ND*	1.61	10.85	36.75	59.50	PCC1836TR-ND	2,000	56.00/M	ECJ-2YB1H473K
			56000pF	±10%	1.25	PCC1837CT-ND*	1.61	10.85	36.75	59.50	PCC1837TR-ND	2,000	56.00/M	ECJ-2YB1H563K
			68000pF	±10%	1.25	PCC1838CT-ND*	1.61	10.85	36.75	59.50	PCC1838TR-ND	2,000	56.00/M	ECJ-2YB1H683K
			82000pF	±10%	1.25	PCC1839CT-ND*	1.61	10.85	36.75	59.50	PCC1839TR-ND	2,000	56.00/M	ECJ-2YB1H823K
			.1µF	±10%	1.25	PCC1840CT-ND*	1.61	10.85	36.75	59.50	PCC1840TR-ND	2,000	56.00/M	ECJ-2YB1H104K
			39000pF	±10%	0.85	PCC1819CT-ND	1.10	7.44	25.20	40.80	PCC1819TR-ND	4,000	32.00/M	ECJ-2VB1E393K
			47000pF	±10%	0.85	PCC1820CT-ND	.62	4.19	14.18	22.95	PCC1820TR-ND	4,000	18.00/M	ECJ-2VB1E473K
			56000pF	±10%	0.85	PCC1825CT-ND	.62	4.19	14.18	22.95	PCC1825TR-ND	4,000	18.00/M	ECJ-2VB1E563K
			68000pF	±10%	0.85	PCC1826CT-ND	.62	4.19	14.18	22.95	PCC1826TR-ND	4,000	18.00/M	ECJ-2VB1E683K
			82000pF	±10%	0.85	PCC1827CT-ND	.62	4.19	14.18	22.95	PCC1827TR-ND	4,000	18.00/M	ECJ-2VB1E823K
		25	.1µF	±10%	0.85	PCC1828CT-ND	.62	4.19	14.18	22.95	PCC1828TR-ND	4,000	18.00/M	ECJ-2VB1E104K
			.12µF	±10%	1.25	PCC1829CT-ND*	1.44	10.18	35.15	59.20	PCC1829TR-ND	2,000	56.00/M	ECJ-2YB1E124K
			.15µF	±10%	1.25	PCC1830CT-ND*	1.48	10.45	36.10	60.80	PCC1830TR-ND	2,000	57.00/M	ECJ-2YB1E154K
			.18µF	±10%	1.25	PCC1831CT-ND*	1.52	10.73	37.05	62.40	PCC1831TR-ND	2,000	59.00/M	ECJ-2YB1E184K
			.22µF	±10%	1.25	PCC1832CT-ND*	1.91	13.48	46.55	78.40	PCC1832TR-ND	2,000	74.00/M	ECJ-2YB1E224K
			47000pF	±10%	0.85	PCC1808CT-ND	1.20	8.06	27.30	44.20	PCC1808TR-ND	4,000	35.00/M	ECJ-2VB1C473K
			56000pF	±10%	0.85	PCC1809CT-ND	1.33	8.99	30.45	49.30	PCC1809TR-ND	4,000	39.00/M	ECJ-2VB1C563K
			68000pF	±10%	0.85	PCC1810CT-ND	1.25	8.80	30.40	51.20	PCC1810TR-ND	4,000	42.00/M	ECJ-2VB1C683K
			82000pF	±10%	0.85	PCC1811CT-ND	1.25	8.80	30.40	51.20	PCC1811TR-ND	4,000	42.00/M	ECJ-2VB1C823K
			.1µF	±10%	0.85	PCC1812CT-ND	.74	5.20	17.96	30.24	PCC1812TR-ND	4,000	25.00/M	ECJ-2VB1C104K
			.12µF	±10%	0.85	PCC1813CT-ND	1.44	10.18	35.15	59.20	PCC1813TR-ND	4,000	48.00/M	ECJ-2VB1C124K
		16	.15µF	±10%	0.85	PCC1814CT-ND	.74	5.20	17.96	30.24	PCC1814TR-ND	4,000	25.00/M	ECJ-2VB1C154K
			.18µF	±10%	0.85	PCC1815CT-ND	2.07	14.75	53.10	88.50	PCC1815TR-ND	4,000	77.00/M	ECJ-2VB1C184K
			.22µF	±10%	0.85	PCC1816CT-ND	.66	4.73	17.01	28.35	PCC1816TR-ND	4,000	25.00/M	ECJ-2VB1C224K
			.27µF	±10%	1.25	PCC1916CT-ND	2.38	17.00	61.20	102.00	PCC1916TR-ND	2,000	95.00/M	ECJ-2YB1C274K
			.33µF	±10%	1.25	PCC1817CT-ND	2.45	17.50	63.00	105.00	PCC1817TR-ND	2,000	98.00/M	ECJ-2YB1C334K
			.39µF	±10%	1.25	PCC1917CT-ND	2.38	17.00	61.20	102.00	PCC1917TR-ND	2,000	95.00/M	ECJ-2YB1C394K
			.47µF	±10%	1.25	PCC1818CT-ND*	2.45	17.50	63.00	105.00	PCC1818TR-ND	2,000	98.00/M	ECJ-2YB1C474K
			1µF	±10%	1.25	PCC2319CT-ND	1.29	9.23	33.21	51.66	PCC2319TR-ND	3,000	50.00/M	ECJ-2FB1E105K
	X5R	25	2.2µF	±10%	1.25	PCC2320CT-ND	1.65	11.66	40.28	63.60	PCC2320TR-ND	3,000	57.00/M	ECJ-2FB1E225K
			4.7µF	±20%	1.25	PCC2321CT-ND	2.29	16.35	58.86	91.56	PCC2321TR-ND	3,000	88.00/M	ECJ-2FB1E475M

educed DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

(Continued)

Size Code	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
			.68µF	±10%	1.25	PCC2290CT-ND	1.28	8.62	29.19	44.48	PCC2290TR-ND	3,000	38.00/M	ECJ-2FB1C684K
			1µF	±10%	0.85	PCC2314CT-ND	1.43	9.64	32.66	49.76	PCC2314TR-ND	4,000	42.00/M	ECJ-GVB1C105K
		16	1µF	±10%	1.25	PCC2249CT-ND	1.28	8.62	29.19	44.48	PCC2249TR-ND	3,000	38.00/M	ECJ-2FB1C105K
			2.2µF	±20%	0.85	PCC2408CT-ND	2.68	17.34	53.55	76.50	PCC2408TR-ND	4,000	74.00/M	ECJ-GVB1C225M
			2.2µF	±10%	1.25	PCC2322CT-ND	1.61	11.33	39.14	61.80	PCC2322TR-ND	3,000	56.00/M	ECJ-2FB1C225K
			4.7µF	±10%	1.25	PCC2323CT-ND	2.25	16.05	57.78	89.88	PCC2323TR-ND	3,000	87.00/M	ECJ-2FB1C475K
			.56µF	±10%	1.25	PCC1918CT-ND	3.99	28.50	102.60	171.00	PCC1918TR-ND	2,000	160.00/M	ECJ-2YB1A564K
			.68µF	±10%	1.25	PCC1806CT-ND	4.10	29.25	105.30	175.50	PCC1806TR-ND	2,000	164.00/M	ECJ-2YB1A684K
			.68µF	±10%	1.25	PCC2289CT-ND	1.15	7.75	26.25	40.00	PCC2289TR-ND	3,000	34.00/M	ECJ-2FB1A684K
			.82µF	±10%	1.25	PCC1919CT-ND	4.03	29.61	107.10	182.70	PCC1919TR-ND	2,000	170.00/M	ECJ-2YB1A824K
			1µF	±10%	1.25	PCC1807CT-ND	4.13	30.32	109.65	187.05	PCC1807TR-ND	2,000	174.00/M	ECJ-2YB1A105K
		10	2.2µF	±20%	1.25	PCC2175CT-ND	2.40	17.13	61.65	102.75	PCC2175TR-ND	3,000	89.00/M	ECJ-2FB1A225M
			2.2µF	±10%	1.25	PCC2324CT-ND	2.40	17.13	61.65	95.90	PCC2324TR-ND	3,000	92.00/M	ECJ-2FB1A225K
			3.3µF	±10%	1.25	PCC2288CT-ND	2.40	17.13	61.65	95.90	PCC2288TR-ND	3,000	92.00/M	ECJ-2FB1A335K
			4.7µF	±20%	0.85	PCC2407CT-ND	3.76	25.25	82.62	128.52	PCC2407TR-ND	4,000	122.00/M	ECJ-GVB1A475M
			4.7µF	±10%	1.25	PCC2325CT-ND	4.15	29.68	106.83	166.18	PCC2325TR-ND	3,000	160.00/M	ECJ-2FB1A475K
			10µF	±10%	1.25	PCC2403CT-ND	7.93	52.45	198.14	314.69	PCC2403TR-ND	3,000	310.00/M	ECJ-2FB1A106K
			1.5µF	±10%	1.25	PCC1921CT-ND	4.35	31.96	115.60	197.20	PCC1921TR-ND	2,000	184.00/M	ECJ-2YB0J155K
			2.2µF	±10%	0.85	PCC2310CT-ND	1.79	12.60	43.51	68.70	PCC2310TR-ND	4,000	60.00/M	ECJ-GVB0J225K
			2.2µF	±10%	1.25	PCC1923CT-ND	4.74	34.78	125.80	214.60	PCC1923TR-ND	2,000	200.00/M	ECJ-2YB0J225K
			3.3µF	±10%	1.25	PCC1925CT-ND	5.12	37.60	136.00	232.00	PCC1925TR-ND	2,000	216.00/M	ECJ-2YB0J335K
			4.7µF	±20%	0.85	PCC2315CT-ND	3.18	22.73	81.81	127.26	PCC2315TR-ND	4,000	118.00/M	ECJ-GVB0J475M
			4.7µF	±20%	1.25	PCC2176CT-ND	2.77	19.78	71.19	118.65	PCC2176TR-ND	3,000	103.00/M	ECJ-2FB0J475M
		6.3	4.7µF	±10%	1.25	PCC2402CT-ND	3.53	23.65	77.40	120.40	PCC2402TR-ND	3,000	125.00/M	ECJ-2FB0J475K
			4.7µF	±10%	0.85	PCC2406CT-ND	3.53	23.65	77.40	120.40	PCC2406TR-ND	4,000	114.00/M	ECJ-GVB0J475K
			10µF	±20%	0.85	PCC2405CT-ND	4.46	29.50	111.44	176.99	PCC2405TR-ND	4,000	170.00/M	ECJ-GVB0J106M
			10µF	±20%	0.85	PCC2327CT-ND‡	3.89	27.75	99.90	155.40	PCC2327TR-ND‡	4,000	144.00/M	ECJ-CV50J106M
			10µF	±20%	1.25	PCC2225CT-ND	2.70	20.25	72.00	119.70	PCC2225TR-ND	3,000	117.00/M	ECJ-2FB0J106M
			10µF	±10%	1.25	PCC2400CT-ND	3.30	21.83	82.45	130.95	PCC2400TR-ND	3,000	129.00/M	ECJ-2FB0J106K
			22µF	±20%	1.25	PCC2401CT-ND	8.31	62.30	221.52	368.28	PCC2401TR-ND	3,000	360.00/M	ECJ-2FB0J226M
0805			10000pF	+80%/-20%	0.60	PCC1858CT-ND	.44	2.95	9.98	15.20	PCC1858TR-ND	5,000	13.00/M	ECJ-2VF1H103Z
			15000pF	+80%/-20%	0.60	PCC1859CT-ND	.60	4.03	13.65	20.80	PCC1859TR-ND	5,000	18.00/M	ECJ-2VF1H153Z
			22000pF	+80%/-20%	0.60	PCC1860CT-ND	.51	3.41	11.55	17.60	PCC1860TR-ND	5,000	15.00/M	ECJ-2VF1H223Z
			33000pF	+80%/-20%	0.60	PCC1861CT-ND	.69	4.65	15.75	24.00	PCC1861TR-ND	5,000	20.00/M	ECJ-2VF1H333Z
		50	47000pF	+80%/-20%	0.60	PCC1862CT-ND	.58	3.94	13.34	20.32	PCC1862TR-ND	5,000	17.00/M	ECJ-2VF1H473Z
			68000pF	+80%/-20%	0.60	PCC1863CT-ND	.87	5.89	19.95	30.40	PCC1863TR-ND	5,000	26.00/M	ECJ-2VF1H683Z
			.1µF	+80%/-20%	0.85	PCC1864CT-ND	.72	4.84	16.38	26.52	PCC1864TR-ND	4,000	21.00/M	ECJ-2VF1H104Z
			.15µF	+80%/-20%	0.85	PCC1865CT-ND	1.47	9.92	33.60	54.40	PCC1865TR-ND	4,000	43.00/M	ECJ-2VF1H154Z
			.22µF	+80%/-20%	0.85	PCC1866CT-ND	1.00	6.73	22.79	36.89	PCC1866TR-ND	4,000	29.00/M	ECJ-2VF1H224Z
			68000pF	+80%/-20%	0.60	PCC1852CT-ND	.87	5.89	19.95	30.40	PCC1852TR-ND	5,000	26.00/M	ECJ-2VF1E683Z
			.1µF	+80%/-20%	0.60	PCC1853CT-ND	.52	3.50	11.87	18.08	PCC1853TR-ND	5,000	15.00/M	ECJ-2VF1E104Z
			.15µF	+80%/-20%	0.60	PCC1854CT-ND	1.20	8.06	27.30	41.60	PCC1854TR-ND	5,000	35.00/M	ECJ-2VF1E154Z
		25	.22µF	+80%/-20%	0.85	PCC1855CT-ND	.61	4.09	13.86	22.44	PCC1855TR-ND	4,000	18.00/M	ECJ-2VF1E224Z
			.33µF	+80%/-20%	1.25	PCC1856CT-ND	2.30	16.23	56.05	94.40	PCC1856TR-ND	2,000	89.00/M	ECJ-2YF1E334Z
	Y5V		.47µF	+80%/-20%	1.25	PCC1857CT-ND	2.38	16.78	57.95	97.60	PCC1857TR-ND	2,000	92.00/M	ECJ-2YF1E474Z
			.1µF	+80%/-20%	0.60	PCC1843CT-ND	.58	3.88	13.13	20.00	PCC1843TR-ND	5,000	17.00/M	ECJ-2VF1C104Z
			.15µF	+80%/-20%	0.60	PCC1844CT-ND	1.20	8.06	27.30	41.60	PCC1844TR-ND	5,000	35.00/M	ECJ-2VF1C154Z
			.22µF	+80%/-20%	0.60	PCC1845CT-ND	.58	3.88	13.13	20.00	PCC1845TR-ND	5,000	17.00/M	ECJ-2VF1C224Z
			.33µF	+80%/-20%	0.85	PCC1846CT-ND	1.61	10.85	36.75	59.50	PCC1846TR-ND	4,000	47.00/M	ECJ-2VF1C334Z
			.47µF	+80%/-20%	0.85	PCC1847CT-ND	.56	3.96	13.68	23.04	PCC1847TR-ND	4,000	19.00/M	ECJ-2VF1C474Z
		16	.68µF	+80%/-20%	0.85	PCC1848CT-ND	1.95	13.75	47.50	80.00	PCC1848TR-ND	4,000	65.00/M	ECJ-2VF1C684Z
			1µF	+80%/-20%	0.85	PCC1849CT-ND	.72	5.13	18.45	30.75	PCC1849TR-ND	4,000	27.00/M	ECJ-2VF1C105Z
			1.5µF	+80%/-20%	1.25	PCC1850CT-ND	3.43	24.50	88.20	147.00	PCC1850TR-ND	2,000	137.00/M	ECJ-2YF1C155Z
			2.2µF	+80%/-20%	1.25	PCC1851CT-ND	3.85	27.50	99.00	165.00	PCC1851TR-ND	2,000	154.00/M	ECJ-2YF1C225Z
			2.2µF	+80%/-20%	0.85	PCC2410CT-ND	1.80	11.77	38.09	48.48	PCC2410TR-ND	4,000	43.00/M	ECJ-GVF1C225Z
			4.7µF	+80%/-20%	0.85	PCC2411CT-ND	2.37	15.37	47.46	67.80	PCC2411TR-ND	4,000	66.00/M	ECJ-GVF1C475Z
		10	4.7µF	+80%/-20%	1.25	PCC1842CT-ND	4.42	32.43	117.30	200.10	PCC1842TR-ND	2,000	186.00/M	ECJ-2YF1A475Z
			4.7µF	+80%/-20%	0.85	PCC2409CT-ND	2.55	16.70	54.04	68.78	PCC2409TR-ND	4,000	61.00/M	ECJ-GVF1A475Z
		6.3	10µF	+80%/-20%	1.25	PCC2182CT-ND	2.01	14.33	51.57	85.95	PCC2182TR-ND	3,000	74.00/M	ECJ-2FF0J106Z
		50	1µF	+80%/20%	1.25	PCC2404CT-ND	1.70	11.14	36.03	45.85	PCC2404TR-ND	3,000	46.00/M	ECJ-2FF1H105Z
	F	25	1.0µF	+80%/-20%	1.25	PCC2230CT-ND	.94	6.63	22.90	36.15	PCC2230TR-ND	3,000	32.00/M	ECJ-2FF1E105Z
			2.2µF	+80%/-20%	1.25	PCC2231CT-ND	1.02	7.30	26.28	40.88	PCC2231TR-ND	3,000	39.00/M	ECJ-2FF1E225Z
		16	4.7µF	+80%/-20%	1.25	PCC2232CT-ND	1.82	13.03	46.89	72.94	PCC2232TR-ND	3,000	69.00/M	ECJ-2FF1C475Z
		10	10µF	+80%/-20%	1.25	PCC2233CT-ND	1.94	14.26	51.60	81.95	PCC2233TR-ND	3,000	81.00/M	ECJ-2FF1A106Z
		200	470pF	±5%	1.15	PCC2007CT-ND*	5.66	41.60	150.45	256.65	PCC2007TR-ND	2,000	239.00/M	ECJ-3YC2D471J
			680pF	±5%	1.15	PCC2008CT-ND*	7.07	51.94	187.85	320.45	PCC2008TR-ND	2,000	298.00/M	ECJ-3YC2D681J
			1000pF	±5%	1.15	PCC2009CT-ND*	8.22	60.40	218.45	372.65	PCC2009TR-ND	2,000	347.00/M	ECJ-3YC2D102J
			1500pF	±5%	0.85	PCC2004CT-ND*	4.44	32.62	117.98	201.26	PCC2004TR-ND	4,000	180.00/M	ECJ-3VC2A152J
		100	2200pF	±5%	0.85	PCC2005CT-ND*	4.44	32.62	117.98	201.26	PCC2005TR-ND	4,000	180.00/M	ECJ-3VC2A222J
			3300pF	±5%	0.85	PCC2006CT-ND*	4.44	32.62	117.98	201.26	PCC2006TR-ND	4,000	180.00/M	ECJ-3VC2A332J
			.5pF	±0.25pF	0.60	PCC0R5CCT-ND	1.11	7.51	25.42	38.74	PCC0R5CTR-ND	5,000	33.00/M	ECU-V1H0R5CCM*
			3.9pF	±0.25pF	0.60	PCC3R9CCT-ND	.93	6.27	21.25	32.38	—	—	—	ECU-V1H3R9CCM*
		NPO	56pF	±5%	0.60	PCC560CCT-ND	1.35	9.13	30.91	47.10	PCC560CTR-ND	5,000	40.00/M	ECU-V1H560JCM*
			2700pF	±5%	0.60	PCC2160CT-ND*	14.04	99.00	342.00	540.00	PCC2160TR-ND	5,000	468.00/M	ECJ-3VC1H272J
			3300pF	±5%	0.60	PCC2161CT-ND*	5.23	36.88	127.40	201.15	PCC2161TR-ND	5,000	174.00/M	ECJ-3VC1H332J
		50	3900pF	±5%	0.60	PCC2162CT-ND*	5.23	36.88	127.40	201.15	PCC2162TR-ND	5,000	174.00/M	ECJ-3VC1H392J
			4700pF	±5%	0.60	PCC2163CT-ND*	5.23	36.88	127.40	201.15	PCC2163TR-ND	5,000	174.00/M	ECJ-3VC1H472J
			5600pF	±5%	0.85	PCC2164CT-ND*	9.54	67.27	232.37	366.90	PCC2164TR-ND	4,000	318.00/M	ECJ-3VC1H562J
			6800pF	±5%	0.85	PCC2165CT-ND*	10.16	71.67	247.57	390.90	PCC2165TR-ND	4,000	339.00/M	ECJ-3VC1H682J
1206			8200pF	±5%	1.15	PCC2166CT-ND*	9.89	74.21	263.84	478.21	PCC2166TR-ND	3,000	439.00/M	ECJ-3FC1H822J
			10000pF	±5%	1.15	PCC2167CT-ND*	15.64	110.30	381.05	601.65	PCC2167TR-ND	3,000	521.43/M	ECJ-3FC1H103J
			1000pF	±10%	1.15	PCC2291CT-ND	2.43	17.35	62.46	97.16	PCC2291TR-ND	3,000	94.00/M	ECJ-3FB2J102K
		630	2200pF	±10%	1.15	PCC2293CT-ND	2.43	17.35	62.46	97.16	PCC2293TR-ND	3,000	94.00/M	ECJ-3FB2J222K
			4700pF	±10%	1.15	PCC2294CT-ND	2.43	17.35	62.46	97.16	PCC2294TR-ND	3,000	94.00/M	ECJ-3FB2J472K
			.01µF	±10%	1.15	PCC2292CT-ND	2.43	17.35	62.46	97.16	PCC2292TR-ND	3,000	94.00/M	ECJ-3FB2J103K
		200	15000pF	±10%	1.15	PCC2013CT-ND	6.98	51.23	185.30	316.10	PCC2013TR-ND	2,000	294.00/M	ECJ-3YB2D153K
			22000pF	±10%	1.15	PCC2014CT-ND	6.98	51.23	185.30	316.10	PCC2014TR-ND	2,000	294.00/M	ECJ-3YB2D223K
			22000pF	±10%	1.15	PCC2010CT-ND	4.55	32.50	117.00	195.00	PCC2010TR-ND	2,000	182.00/M	ECJ-3YB2A223K
		100	33000pF	±10%	1.15	PCC2011CT-ND	5.04	36.00	129.60	216.00	PCC2011TR-ND	2,000	202.00/M	ECJ-3YB2A333K
	X7R		47000pF	±10%	1.15	PCC2012CT-ND	5.04	36.00	129.60	216.00	PCC2012TR-ND	2,000	202.00/M	ECJ-3YB2A473K
			.1µF	±10%	1.60	PCC2239CT-ND	3.16	23.24	84.07	133.52	PCC2239TR-ND	2,000	132.00/M	ECJ-3YB2A104K
		50	39000pF	±10%	0.60	PCC393BCT-ND	2.17	14.64	49.57	75.54	PCC393BTR-ND	5,000	64.00/M	ECU-V1H393KBW*
			.1µF	±10%	1.00	PCC104BCT-ND	3.96	28.25	101.70	169.50	PCC104BTR-ND	4,000	147.00/M	ECJ-3VB1H104K
			.22µF	±10%	1.60	PCC2299CT-ND	2.27	16.01	55.29	87.30	PCC2299TR-ND	2,000	79.00/M	ECJ-3YB1H224K
			.1µF	±10%	0.85	PCC1883CT-ND	1.69	11.94	41.23	69.44	PCC1883TR-ND	4,000	56.00/M	ECJ-3VB1E104K
		25	.12µF	±10%	0.85	PCC1884CT-ND	2.07	14.58	50.35	84.80	PCC1884TR-ND	4,000	69.00/M	ECJ-3VB1E124K
			.15µF	±10%	0.85	PCC1885CT-ND	1.69	11.94	41.23	69.44	PCC1885TR-ND	4,000	56.00/M	ECJ-3VB1E154K

‡ Reduced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

(Continued)

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e de	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
			.18µF	±10%	0.85	PCC1886CT-ND	2.42	17.05	58.90	99.20	PCC1886TR-ND	4,000	81.00/M	ECJ-3VB1E184K
			.22µF	±10%	0.85	PCC1887CT-ND	1.69	11.94	41.23	69.44	PCC1887TR-ND	4,000	56.00/M	ECJ-3VB1E224K
			.27µF	±10%	0.85	PCC1888CT-ND	2.42	17.05	58.90	99.20	PCC1888TR-ND	4,000	81.00/M	ECJ-3VB1E274K
			.33µF	±10%	0.85	PCC1889CT-ND	1.76	12.40	42.85	72.16	PCC1889TR-ND	4,000	59.00/M	ECJ-3VB1E334K
			.39µF	±10%	1.15	PCC1890CT-ND	3.36	24.00	86.40	144.00	PCC1890TR-ND	2,000	134.00/M	ECJ-3YB1E394K
		25	.47µF	±10%	1.15	PCC2412CT-ND	2.37	15.33	47.36	67.65	PCC2412TR-ND	3,000	68.00/M	ECJ-3FB1E474K
			.47µF	±10%	1.15	PCC1891CT-ND	4.17	29.75	107.10	178.50	PCC1891TR-ND	2,000	167.00/M	ECJ-3YB1E474K
			.56µF	±10%	1.60	PCC1926CT-ND	4.06	29.00	104.40	174.00	PCC1926TR-ND	2,000	162.00/M	ECJ-3YB1E564K
			.68µF	±10%	1.60	PCC1892CT-ND	1.58	11.28	40.59	67.65	PCC1892TR-ND	2,000	63.00/M	ECJ-3YB1E684K
			.82µF	±10%	1.60	PCC1927CT-ND	4.26	31.26	113.05	192.85	PCC1927TR-ND	2,000	180.00/M	ECJ-3YB1E824K
			1µF	±10%	1.60	PCC1893CT-ND	2.50	18.35	66.39	113.25	PCC1893TR-ND	2,000	105.00/M	ECJ-3YB1E105K
			.1µF	±10%	0.85	PCC1870CT-ND	1.68	12.03	43.29	72.15	PCC1870TR-ND	4,000	63.00/M	ECJ-3VB1C104K
			.12µF	±10%	0.85	PCC1871CT-ND	2.42	17.25	62.10	103.50	PCC1871TR-ND	4,000	90.00/M	ECJ-3VB1C124K
			.15µF	±10%	0.85	PCC1872CT-ND	1.86	13.25	47.70	79.50	PCC1872TR-ND	4,000	69.00/M	ECJ-3VB1C154K
			.18µF	±10%	0.85	PCC1873CT-ND	2.66	19.00	68.40	114.00	PCC1873TR-ND	4,000	99.00/M	ECJ-3VB1C184K
			.22µF	±10%	0.85	PCC1874CT-ND	2.03	14.50	52.20	87.00	PCC1874TR-ND	4,000	75.00/M	ECJ-3VB1C224K
			.27µF	±10%	0.85	PCC1875CT-ND	2.91	20.75	74.70	124.50	PCC1875TR-ND	4,000	108.00/M	ECJ-3VB1C274K
			.33µF	±10%	0.85	PCC1876CT-ND	1.25	8.90	32.04	53.40	PCC1876TR-ND	4,000	46.00/M	ECJ-3VB1C334K
			.39µF	±10%	0.85	PCC1877CT-ND	3.50	25.00	90.00	150.00	PCC1877TR-ND	4,000	130.00/M	ECJ-3VB1C394K
			.47µF	±10%	0.85	PCC1878CT-ND	1.34	9.60	34.56	57.60	PCC1878TR-ND	4,000	50.00/M	ECJ-3VB1C474K
			.56µF	±10%	0.85	PCC1879CT-ND	3.94	28.91	104.55	178.35	PCC1879TR-ND	4,000	160.00/M	ECJ-3VB1C564K
			.68µF	±10%	0.85	PCC1880CT-ND	1.37	10.03	36.30	61.92	PCC1880TR-ND	4,000	58.00/M	ECJ-3VB1C684K
			.82µF	±10%	1.15	PCC1881CT-ND	5.41	39.72	143.65	245.05	PCC1881TR-ND	2,000	228.00/M	ECJ-3YB1C824K
			1µF	±10%	1.15	PCC1882CT-ND	6.30	46.30	167.45	285.65	PCC1882TR-ND	2,000	266.00/M	ECJ-3YB1C105K
			1.5µF	±10%	1.60	PCC1929CT-ND	7.30	53.58	193.80	330.60	PCC1929TR-ND	2,000	308.00/M	ECJ-3YB1C155K
			2.2µF	±10%	1.60	PCC1931CT-ND	3.65	27.34	97.20	176.18	PCC1931TR-ND	2,000	162.00/M	ECJ-3YB1C225K
			10µF	±10%	1.60	PCC13491CT-ND	10.49	78.68	279.76	465.10	PCC13491TR-ND	2,000	455.00/M	ECJ-3YX1C106K
			2.2µF	±10%	1.60	PCC2296CT-ND	3.88	28.53	103.19	163.89	PCC2296TR-ND	2,000	158.00/M	ECJ-3YB1E225K
			4.7µF	±10%	1.60	PCC2297CT-ND	5.44	39.95	144.50	229.50	PCC2297TR-ND	2,000	221.00/M	ECJ-3YB1E475K
		25	4.7µF	±20%	1.60	PCC2241CT-ND	5.10	38.25	136.00	226.10	PCC2241TR-ND	2,000	221.00/M	ECJ-3YB1E475M
			4.7µF	±20%	1.60	PCC2226CT-ND	5.10	38.25	136.00	226.10	PCC2226TR-ND	2,000	221.00/M	ECJ-3YB1C475M
			10µF	±20%	1.60	PCC2326CT-ND	5.43	39.86	144.16	254.40	PCC2326TR-ND	2,000	229.00/M	ECJ-3YB1E106M
			10µF	±10%	1.60	PCC2414CT-ND	5.45	36.07	136.26	216.41	PCC2414TR-ND	2,000	216.00/M	ECJ-3YB1E106K
			1.5µF	±10%	1.60	PCC1867CT-ND	2.86	21.47	76.32	138.33	PCC1867TR-ND	2,000	127.00/M	ECJ-3YB1A155K
			4.7µF	±10%	1.60	PCC2250CT-ND	5.44	39.95	144.50	229.50	PCC2250TR-ND	2,000	230.00/M	ECJ-3YB1C475K
		16	10µF	±10%	1.60	PCC2413CT-ND	9.62	72.14	256.48	426.40	PCC2413TR-ND	2,000	426.00/M	ECJ-3YB1C106K
			10µF	±20%	0.85	PCC2417CT-ND	4.48	30.06	96.37	153.02	PCC2417TR-ND	4,000	145.00/M	ECJ-HVB1C106M
			10µF	±20%	1.60	PCC2227CT-ND	10.33	77.47	275.44	457.92	PCC2227TR-ND	2,000	448.00/M	ECJ-3YB1E106M
			22µF	±20%	1.60	PCC2332CT-ND	13.94	105.20	394.50	—	PCC2332TR-ND	2,000	673.00/M	ECJ-3YB1C226M
			2.2µF	±10%	0.85	PCC2312CT-ND	4.09	30.03	108.63	172.53	PCC2312TR-ND	4,000	166.00/M	ECJ-HVB1A225K
			2.2µF	±10%	1.60	PCC1868CT-ND	3.59	26.93	95.76	173.57	PCC1868TR-ND	2,000	159.00/M	ECJ-3YB1A225K
			2.7µF	±10%	1.60	PCC1934CT-ND	8.52	63.90	227.20	411.80	PCC1934TR-ND	2,000	378.00/M	ECJ-3YB1A275K*
	X5R	10	3.3µF	±10%	1.60	PCC1869CT-ND	3.59	26.93	95.76	173.57	PCC1869TR-ND	2,000	159.00/M	ECJ-3YB1A335K
			4.7µF	±10%	1.60	PCC2295CT-ND	4.72	34.66	125.38	199.13	PCC2295TR-ND	2,000	199.00/M	ECJ-3YB1A475K
			4.7µF	±20%	1.60	PCC2177CT-ND	4.43	33.19	118.00	213.88	PCC2177TR-ND	2,000	196.00/M	ECJ-3YB1A475M
			10µF	±20%	1.60	PCC2178CT-ND	5.38	40.37	143.52	260.13	PCC2178TR-ND	2,000	239.00/M	ECJ-3YB1A106M
			22µF	±20%	1.60	PCC2331CT-ND	11.85	88.88	316.00	—	PCC2331TR-ND	2,000	514.00/M	ECJ-3YB1A226M
			4.7µF	±10%	1.60	PCC1936CT-ND	4.16	31.23	111.04	201.26	PCC1936TR-ND	2,000	185.00/M	ECJ-3YB0J475K
			4.7µF	±10%	0.85	PCC2311CT-ND	4.73	34.73	125.63	199.53	PCC2311TR-ND	4,000	192.00/M	ECJ-HVB0J475K
			4.7µF	±20%	0.85	PCC2316CT-ND	4.73	34.73	125.63	199.53	PCC2316TR-ND	4,000	192.00/M	ECJ-HVB0J475M
			6.8µF	±10%	1.60	PCC1938CT-ND	10.20	76.50	272.00	493.00	PCC1938TR-ND	2,000	452.00/M	ECJ-3YB0J685K
			8.2µF	±10%	1.60	PCC1939CT-ND	11.58	86.85	308.80	559.70	PCC1939TR-ND	2,000	513.00/M	ECJ-3YB0J825K*
		6.3	10µF	±10%	1.60	PCC1940CT-ND	7.50	56.25	200.00	362.50	PCC1940TR-ND	2,000	333.00/M	ECJ-3YB0J106K
			10µF	±20%	0.85	PCC2317CT-ND	8.00	59.96	213.20	354.45	PCC2317TR-ND	4,000	341.00/M	ECJ-HVB0J106M
			10µF	±20%	0.85	PCC2328CT-ND‡	5.82	42.77	154.70	245.70	PCC2328TR-ND‡	4,000	237.00/M	ECJ-DV50J106M
			22µF	±20%	0.85	PCC2329CT-ND‡	10.17	76.28	271.20	450.87	PCC2329TR-ND‡	4,000	434.00/M	ECJ-DV50J226M
			22µF	±20%	1.60	PCC2242CT-ND	12.87	97.16	364.35	631.54	PCC2242TR-ND	2,000	622.00/M	ECJ-3YB0J226M
			22µF	±20%	0.85	PCC2416CT-ND	10.20	76.50	272.00	452.20	PCC2416TR-ND	4,000	435.00/M	ECJ-HVB0J226M
			.47µF	+80%/-20%	0.85	PCC1901CT-ND	1.27	8.94	30.88	52.00	PCC1901TR-ND	4,000	42.00/M	ECJ-3VF1E474Z
			.68µF	+80%/-20%	1.15	PCC1902CT-ND	2.87	20.50	73.80	123.00	PCC1902TR-ND	2,000	115.00/M	ECJ-3YF1E684Z
		25	1µF	+80%/-20%	1.15	PCC1903CT-ND	3.29	23.50	84.60	141.00	PCC1903TR-ND	2,000	132.00/M	ECJ-3YF1E105Z
			1.5µF	+80%/-20%	1.15	PCC1904CT-ND	4.19	30.79	111.35	189.95	PCC1904TR-ND	2,000	177.00/M	ECJ-3YF1E155Z
			2.2µF	+80%/-20%	1.15	PCC1905CT-ND	4.19	30.79	111.35	189.95	PCC1905TR-ND	2,000	177.00/M	ECJ-3YF1E225Z
			.68µF	+80%/-20%	0.85	PCC1895CT-ND	3.71	26.50	95.40	159.00	PCC1895TR-ND	4,000	138.00/M	ECJ-3VF1C684Z
			1µF	+80%/-20%	0.85	PCC1896CT-ND	1.22	8.73	31.41	52.35	PCC1896TR-ND	4,000	45.00/M	ECJ-3VF1C105Z
	Y5V	16	1.5µF	+80%/-20%	0.85	PCC1897CT-ND	4.17	29.75	107.10	178.50	—	—	—	ECJ-3VF1C155Z*
			2.2µF	+80%/-20%	0.85	PCC1898CT-ND	1.66	11.85	42.66	71.10	PCC1898TR-ND	4,000	62.00/M	ECJ-3VF1C225Z
			4.7µF	+80%/-20%	1.15	PCC1900CT-ND	6.75	49.59	179.35	305.95	PCC1900TR-ND	2,000	285.00/M	ECJ-3YF1C475Z
			10µF	+80%/-20%	1.25	PCC2420CT-ND	3.35	22.44	73.44	114.24	PCC2420TR-ND	3,000	114.00/M	ECJ-MFF1C106Z
			10µF	+80%/-20%	1.60	PCC1894CT-ND	2.89	21.67	77.04	139.64	PCC1894TR-ND	2,000	128.00/M	ECJ-3YF1A106Z
		10	10µF	+80%/-20%	1.25	PCC2418CT-ND	3.26	22.03	72.09	112.14	PCC2418TR-ND	3,000	112.00/M	ECJ-MFF1A106Z
			22µF	+80%/-20%	1.25	PCC2419CT-ND	4.71	31.14	117.64	186.84	PCC2419TR-ND	3,000	184.00/M	ECJ-MFF1A226Z
		50	1.0µF	+80%/-20%	1.15	PCC2234CT-ND	2.12	15.18	54.63	84.98	PCC2234TR-ND	3,000	81.00/M	ECJ-3FF1H105Z
	F	25	4.7µF	+80%/-20%	1.15	PCC2235CT-ND	1.93	14.15	51.17	81.27	PCC2235TR-ND	3,000	80.00/M	ECJ-3FF1E475Z
			10µF	+80%/-20%	1.60	PCC2415CT-ND	3.88	26.04	85.23	132.58	PCC2415TR-ND	2,000	133.00/M	ECJ-3YF1E106Z
		16	10µF	+80%/-20%	1.60	PCC2300CT-ND	3.46	24.73	89.01	138.46	PCC2300TR-ND	2,000	134.00/M	ECJ-3YF1C106Z
		10	22µF	+80%/-20%	1.60	PCC2236CT-ND	5.21	39.04	138.80	230.76	PCC2236TR-ND	2,000	226.00/M	ECJ-3YF1A226Z
			0.22µF	±10%	2.00	PCC2304CT-ND	8.20	61.49	218.64	363.49	PCC2304TR-ND	2,000	363.00/M	ECJ-4YB2A224K*
	X7R	100	0.47µF	±10%	2.00	PCC2240CT-ND	6.91	50.76	183.60	291.60	PCC2240TR-ND	2,000	287.00/M	ECJ-4YB2A474K*
			0.68µF	±10%	2.50	PCC2305CT-ND	7.20	54.00	192.00	—	PCC2305TR-ND	1,000	319.00	ECJ-4YB2A684K*
			0.68µF	±20%	2.50	PCC2247CT-ND	7.20	54.00	192.00	—	PCC2247TR-ND	1,000	319.00	ECJ-4YB2A684M*
		50	1µF	±10%	2.00	PCC2303CT-ND	5.84	42.91	155.21	246.51	PCC2303TR-ND	2,000	237.00/M	ECJ-4YB1H105K*
			2.2µF	±10%	2.00	PCC2302CT-ND	6.01	44.16	159.72	253.67	PCC2302TR-ND	2,000	244.00/M	ECJ-4YB1E225K*
		25	4.7µF	±10%	2.00	PCC2251CT-ND	6.66	48.93	176.97	281.07	PCC2251TR-ND	2,000	281.00/M	ECJ-4YB1E475K*
			10µF	±20%	2.50	PCC2243CT-ND	12.60	94.50	336.00	—	PCC2243TR-ND	1,000	559.00	ECJ-4YB1E106M*
			22µF	±20%	2.50	PCC2333CT-ND	26.16	197.40	740.25	—	PCC2333TR-ND	1,000	1283.00	ECJ-4YB1E226M*
	X5R	16	4.7µF	±10%	2.00	PCC2168CT-ND	5.76	43.18	153.52	278.26	PCC2168TR-ND	2,000	255.00/M	ECJ-4YB1C475K*
			10µF	±10%	2.00	PCC2169CT-ND	10.77	80.78	287.20	520.55	PCC2169TR-ND	2,000	477.00/M	ECJ-4YB1C106K*
			22µF	±20%	2.00	PCC2330CT-ND	17.45	131.68	493.80	—	PCC2330TR-ND	1,000	856.00	ECJ-4YB1C226M*
			47µF	±20%	2.50	PCC2335CT-ND	34.19	258.00	967.50	—	PCC2335TR-ND	1,000	1677.00	ECJ-4YB1C476M*
		10	10µF	±10%	2.00	PCC2170CT-ND	8.97	67.28	239.20	433.55	PCC2170TR-ND	2,000	398.00/M	ECJ-4YB1A106K*
			10µF	±20%	1.40	PCC2238CT-ND	7.29	54.65	194.32	323.06	PCC2238TR-ND	2,000	316.00/M	ECJ-8YB1A106M*
			22µF	±20%	2.50	PCC2228CT-ND	16.09	121.46	455.48	—	PCC2228TR-ND	1,000	789.00	ECJ-4YB1A226M*
			47µF	±20%	2.50	PCC2334CT-ND	33.13	250.00	937.50	—	PCC2334TR-ND	1,000	1625.00	ECJ-4YB1A476M*
			22µF	±20%	2.50	PCC2179CT-ND	17.18	128.84	458.08	—	PCC2179TR-ND	1,000	762.00	ECJ-4YB0J226M*
	X5R	6.3	47µF	±10%	2.50	PCC2301CT-ND	32.18	242.90	910.88	—	PCC2301TR-ND	1,000	1579.00	ECJ-4YB0J476M*
			100µF	±20%	2.50	PCC2267CT-ND	57.79	436.14	1635.53	—	PCC2267TR-ND	1,000	2835.00	ECJ-4YB0J107M*
	Y5V	25	10µF	+80%/-20%	1.60	PCC2171CT-ND	6.00	45.02	160.08	290.15	PCC2171TR-ND	2,000	266.00/M	ECJ-4YF1E106Z*
		10	22µF	+80%/-20%	2.00	PCC2172CT-ND	7.13	53.48	190.16	344.67	PCC2172TR-ND	2,000	316.00/M	ECJ-4YF1A226Z*

ced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

(Continued)

Size Code	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
1210	F	6.3	47µF	+80%/-20%	2.00	PCC2237CT-ND	16.09	121.46	455.48	789.49	PCC2237TR-ND	2,000	777.00/M	ECJ-4YF0J476Z*
		16	10µF	+80%/-20%	2.00	PCC2306CT-ND	6.18	45.38	164.14	—	PCC2306TR-ND	2,000	261.00/M	ECJ-4YF1C106Z*
			22µF	+80%/-20%	2.00	PCC2307CT-ND	9.86	73.94	262.88	—	PCC2307TR-ND	2,000	437.00/M	ECJ-4YF1C226Z*
		50	4.7µF	+80%/-20%	2.00	PCC2309CT-ND	6.97	52.27	185.84	—	PCC2309TR-ND	2,000	309.00/M	ECJ-4YF1H475Z*
			10µF	+80%/-20%	2.00	PCC2308CT-ND	6.97	52.27	185.84	—	PCC2308TR-ND	2,000	309.00/M	ECJ-4YF1H106Z*
1812	X7R	100	1.0µF	±20%	2.50	PCC2248CT-ND	13.62	102.79	—	—	PCC2248TR-ND	500	385.50	ECJ-5YB2A105M
		25	10µF	±20%	2.50	PCC2180CT-ND	20.82	156.15	—	—	PCC2180TR-ND	500	461.50	ECJ-5YB1E106M
	X5R	16	22µF	±20%	3.20	PCC2244CT-ND	31.80	239.98	—	—	PCC2244TR-ND	500	900.00	ECJ-5YB1C226M
		6.3	47µF	±20%	3.20	PCC2245CT-ND	27.24	205.57	—	—	PCC2245TR-ND	500	771.00	ECJ-5YB0J476M
	Y5V	35	10µF	+80%/-20%	2.50	PCC2183CT-ND	22.26	166.93	—	—	PCC2183TR-ND	500	493.50	ECJ-5YF1V106Z
		16	22µF	+80%/-20%	2.50	PCC2184CT-ND	17.18	128.83	—	—	PCC2184TR-ND	500	381.00	ECJ-5YF1C226Z
	F	6.3	100µF	+80%/-20%	3.20	PCC2246CT-ND	36.78	277.60	—	—	PCC2246TR-ND	500	1041.00	ECJ-5YF0J107Z

‡ Reduced DC Bias Voltage Characteristics * Not for new design † Improved DC Bias Voltage Characteristics

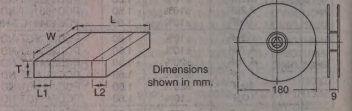
Digi-Key® Notebook Style Kit Boxes

Notebook style kit box with velcro closure can be stored as a normal kit box, or vertically as a book. Each compartment is identified with an easy-to-read kit index.

- **PCC7-KIT-ND** *0805/NP0 Series Kit* 10 each of values denoted (300 total pieces) $29.95
- **PCC9-KIT-ND** *0603/NP0 Series Kit* 10 each of values denoted (300 total pieces) $29.95
- **PCC13-KIT-ND** *0402/NP0 Series Kit* 10 each of values denoted (280 total pieces) $4
- **PCC14-KIT-ND** *0402/X7R Series Kit* 10 each of values denoted (300 total pieces) $4
- **PCC15-KIT-ND** *0603/X7R-X5R Series Kit* 10 each of values denoted (300 total pieces) $2
- **PCC16-KIT-ND** *0805/X7R Series Kit* 10 each of values denoted (300 total pieces) $2
- **PCC17-KIT-ND** *1206/NP0 Series Kit* 10 each of values denoted (140 total pieces) $8

Panasonic

High-Q (Microwave) Multilayer Chip Capacitors 0201 and 0402 High-Accuracy/High-Frequency



Features:
- Lead Free • Operating Temperature Range: -55°C ~ 125°C
- Low Cap. with Tight Tolerance • High Q value / Low ESR at High Frequency. • Ultra-Stable C0G Performance (0±30 ppm/°C)
- 0201 and 0402 Miniature Sizes

Applications (At Microwave Frequency): • Impedance Matching Circuit • Resonant Circuit • Coupling Circuit

Application Examples: • RF modules, VCO, BPF, DUP, PA, etc. • Cellular Phone, Bluetooth, Wireless LAN, etc.

Size Code (EIA)	L	W	T	L1 / L2
0201	0.60±0.03	0.30±0.03	0.30	0.15±0.0
0402	1.00±0.05	0.50±0.05	0.50	0.20±0.1

Size Code	Type	WV DC	Cap.	Tolerance	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Panasonic Part No.
0201	C0G	25	.10pF	±0.05pF	PCC2337CT-ND*	2.09	13.82	52.19	82.89	PCC2337TR-ND	15,000	77.00/M	ECD-GZER108
			.20pF	±0.05pF	PCC2338CT-ND*	2.09	13.82	52.19	82.89	PCC2338TR-ND	15,000	77.00/M	ECD-GZER208
			.30pF	±0.05pF	PCC2339CT-ND*	2.09	13.82	52.19	82.89	PCC2339TR-ND	15,000	77.00/M	ECD-GZER308
			.40pF	±0.05pF	PCC2340CT-ND*	2.09	13.82	52.19	82.89	PCC2340TR-ND	15,000	77.00/M	ECD-GZER408
			.50pF	±0.05pF	PCC2341CT-ND*	2.09	13.82	52.19	82.89	PCC2341TR-ND	15,000	77.00/M	ECD-GZER508
			.60pF	±0.075pF	PCC2342CT-ND*	2.09	13.82	52.19	82.89	PCC2342TR-ND	15,000	77.00/M	ECD-GZER608
			.70pF	±0.075pF	PCC2343CT-ND*	2.09	13.82	52.19	82.89	PCC2343TR-ND	15,000	77.00/M	ECD-GZER708
			.80pF	±0.075pF	PCC2344CT-ND*	2.09	13.82	52.19	82.89	PCC2344TR-ND	15,000	77.00/M	ECD-GZER808
			.90pF	±0.075pF	PCC2345CT-ND*	2.09	13.82	52.19	82.89	PCC2345TR-ND	15,000	77.00/M	ECD-GZER908
			1.0pF	±0.10pF	PCC2346CT-ND*	2.09	13.82	52.19	82.89	PCC2346TR-ND	15,000	77.00/M	ECD-GZE1R0B
			1.1pF	±0.10pF	PCC2347CT-ND*	2.09	13.82	52.19	82.89	PCC2347TR-ND	15,000	77.00/M	ECD-GZE1R1B
			1.2pF	±0.10pF	PCC2348CT-ND*	2.09	13.82	52.19	82.89	PCC2348TR-ND	15,000	77.00/M	ECD-GZE1R2B
			1.3pF	±0.10pF	PCC2349CT-ND*	2.09	13.82	52.19	82.89	PCC2349TR-ND	15,000	77.00/M	ECD-GZE1R3B
			1.5pF	±0.10pF	PCC2350CT-ND*	2.09	13.82	52.19	82.89	PCC2350TR-ND	15,000	77.00/M	ECD-GZE1R5B
			1.6pF	±0.10pF	PCC2351CT-ND*	2.09	13.82	52.19	82.89	PCC2351TR-ND	15,000	77.00/M	ECD-GZE1R6B
			1.8pF	±0.10pF	PCC2352CT-ND*	2.09	13.82	52.19	82.89	PCC2352TR-ND	15,000	77.00/M	ECD-GZE1R8B
			2.0pF	±0.10pF	PCC2353CT-ND*	2.09	13.82	52.19	82.89	PCC2353TR-ND	15,000	77.00/M	ECD-GZE2R0B
			2.2pF	±0.10pF	PCC2356CT-ND*	2.09	13.82	52.19	82.89	PCC2356TR-ND	15,000	77.00/M	ECD-GZE2R2B
			2.4pF	±0.10pF	PCC2357CT-ND*	2.09	13.82	52.19	82.89	PCC2357TR-ND	15,000	77.00/M	ECD-GZE2R4B
			2.7pF	±0.10pF	PCC2358CT-ND*	2.09	13.82	52.19	82.89	PCC2358TR-ND	15,000	77.00/M	ECD-GZE2R7B
			3.0pF	±0.10pF	PCC2359CT-ND*	2.09	13.82	52.19	82.89	PCC2359TR-ND	15,000	77.00/M	ECD-GZE3R0B
			3.3pF	±0.25pF	PCC2360CT-ND*	3.33	21.59	66.68	95.25	PCC2360TR-ND	15,000	84.00/M	ECD-GZE3R3C
			3.9pF	±0.25pF	PCC2361CT-ND	3.33	21.59	66.68	95.25	PCC2361TR-ND	15,000	84.00/M	ECD-GZE3R9C
			4.7pF	±0.25pF	PCC2362CT-ND	3.33	21.59	66.68	95.25	PCC2362TR-ND	15,000	84.00/M	ECD-GZE4R7C
0402	C0G	25	.10pF	±0.05pF	PCC2190CT-ND†	2.55	16.88	63.75	101.25	PCC2190TR-ND	10,000	94.00/M	ECD-G0ER108
			.20pF	±0.05pF	PCC2192CT-ND†	2.55	16.88	63.75	101.25	PCC2192TR-ND	10,000	94.00/M	ECD-G0ER208
			.30pF	±0.05pF	PCC2194CT-ND†	2.55	16.88	63.75	101.25	PCC2194TR-ND	10,000	94.00/M	ECD-G0ER308
			.35pF	±0.05pF	PCC2195CT-ND	2.55	16.88	63.75	101.25	—	—	—	ECD-G0ER358
			.40pF	±0.05pF	PCC2196CT-ND†	2.55	16.88	63.75	101.25	PCC2196TR-ND	10,000	94.00/M	ECD-G0ER408
			.50pF	±0.05pF	PCC2198CT-ND†	2.55	16.88	63.75	101.25	PCC2198TR-ND	10,000	94.00/M	ECD-G0ER508
			.55pF	±0.075pF	PCC2199CT-ND	2.55	16.88	63.75	101.25	PCC2199TR-ND	10,000	94.00/M	ECD-G0ER559
			.60pF	±0.075pF	PCC2200CT-ND†	2.55	16.88	63.75	101.25	PCC2200TR-ND	10,000	94.00/M	ECD-G0ER609
			.70pF	±0.075pF	PCC2202CT-ND†	2.55	16.88	63.75	101.25	PCC2202TR-ND	10,000	94.00/M	ECD-G0ER709
			.80pF	±0.075pF	PCC2204CT-ND†	2.55	16.88	63.75	101.25	PCC2204TR-ND	10,000	94.00/M	ECD-G0ER809
			.90pF	±0.075pF	PCC2206CT-ND†	2.55	16.88	63.75	101.25	PCC2206TR-ND	10,000	94.00/M	ECD-G0ER909
			1.0pF	±0.10pF	PCC2252CT-ND†	2.55	16.88	63.75	101.25	PCC2252TR-ND	10,000	94.00/M	ECD-G0E1R0B
			1.1pF	±0.10pF	PCC2209CT-ND†	2.55	16.88	63.75	101.25	PCC2209TR-ND	10,000	94.00/M	ECD-G0E1R1B
			1.2pF	±0.10pF	PCC2210CT-ND†	2.55	16.88	63.75	101.25	PCC2210TR-ND	10,000	94.00/M	ECD-G0E1R2B
			1.3pF	±0.10pF	PCC2211CT-ND†	2.55	16.88	63.75	101.25	PCC2211TR-ND	10,000	94.00/M	ECD-G0E1R3B
			1.5pF	±0.10pF	PCC2213CT-ND†	2.55	16.88	63.75	101.25	PCC2213TR-ND	10,000	94.00/M	ECD-G0E1R5B
			1.6pF	±0.10pF	PCC2214CT-ND†	2.55	16.88	63.75	101.25	PCC2214TR-ND	10,000	94.00/M	ECD-G0E1R6B
			1.8pF	±0.10pF	PCC2216CT-ND†	2.55	16.88	63.75	101.25	PCC2216TR-ND	10,000	94.00/M	ECD-G0E1R8B
			2.0pF	±0.10pF	PCC2218CT-ND†	2.55	16.88	63.75	101.25	PCC2218TR-ND	10,000	94.00/M	ECD-G0E2R0B
			2.2pF	±0.10pF	PCC2253CT-ND†	2.55	16.88	63.75	101.25	PCC2253TR-ND	10,000	94.00/M	ECD-G0E2R2B
			2.4pF	±0.10pF	PCC2254CT-ND†	2.55	16.88	63.75	101.25	PCC2254TR-ND	10,000	94.00/M	ECD-G0E2R4B
			2.7pF	±0.10pF	PCC2255CT-ND†	2.55	16.88	63.75	101.25	PCC2255TR-ND	10,000	94.00/M	ECD-G0E2R7B
			3.0pF	±0.10pF	PCC2256CT-ND†	2.55	16.88	63.75	101.25	PCC2256TR-ND	10,000	94.00/M	ECD-G0E3R0B
			3.3pF	±0.25pF	PCC2258CT-ND†	2.55	16.88	63.75	101.25	PCC2258TR-ND	10,000	94.00/M	ECD-G0E3R3C
			3.9pF	±0.25pF	PCC2259CT-ND†	2.55	16.88	63.75	101.25	PCC2259TR-ND	10,000	94.00/M	ECD-G0E3R9C
			4.7pF	±0.25pF	PCC2260CT-ND†	2.55	16.88	63.75	101.25	PCC2260TR-ND	10,000	94.00/M	ECD-G0E4R7C
			5.6pF	±0.25pF	PCC2261CT-ND†	2.55	16.88	63.75	101.25	PCC2261TR-ND	10,000	94.00/M	ECD-G0E5R6C
			6.8pF	±0.25pF	PCC2262CT-ND†	2.55	16.88	63.75	101.25	PCC2262TR-ND	10,000	94.00/M	ECD-G0E6R8C
			8.2pF	±0.25pF	PCC2263CT-ND†	2.55	16.88	63.75	101.25	PCC2263TR-ND	10,000	94.00/M	ECD-G0E8R2C
			10.0pF	±0.25pF	PCC2264CT-ND†	2.55	16.88	63.75	101.25	PCC2264TR-ND	10,000	94.00/M	ECD-G0E100C
			12pF	±5%	PCC2265CT-ND†	2.55	16.88	63.75	101.25	PCC2265TR-ND	10,000	94.00/M	ECD-G0E120J
			15pF	±5%	PCC2266CT-ND†	2.55	16.88	63.75	101.25	PCC2266TR-ND	10,000	94.00/M	ECD-G0E150J

- **PCC19-KIT-ND** *Digi-Key 0201/High-Q Series Kit* 20 each of 21 values denoted (420 total pieces) ..... $
- **† PCC20-KIT-ND** *Digi-Key 0402/High-Q Series Kit* 20 each of 30 values denoted (600 total pieces) ..... $

Multilayer Ceramic Chip Capacitors

RoHS COMPLIANT

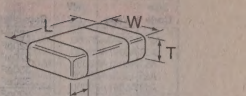
(NP0) Dielectric: • EIA class I ceramic materials • C0G (NP0) ceramics offer one of the most stable capacitor trics available • Operating temperature range: -55°C ~ 125°C • Capacitance change with temperature is 0±30ppm/°C is less than ±0.3% Δ C from -55°C ~ 125°C

Dielectric: • X7R formulations are called "temperature stable" ceramics and fall into EIA class II materials • Its erature variation of capacitance is within ±15% from -55°C ~ 125°C • Operating temperature range: -55°C ~ 125°C

Dielectric: • General purpose dielectric for ceramic capacitors • EIA Class II dielectric • Temperature variation of citance is within ±15% from -55°C ~ 85°C • Operating temperature range: -55°C ~ 85°C

Dielectric: • Y5V formulations are for general purpose use in a limited temperature range • They have a wide erature characteristic of +22%-82% capacitance change over the operating temperature range of -30°C ~ 85°C

Size Code	L	W	t
0201	0.60±0.03	0.30±0.03	0.15±0.05
0402	1.00±0.10	0.50±0.10	0.25±0.15
0603	1.60±0.15	0.81±0.15	0.35±0.15
0805	2.01±0.20	1.25±0.20	0.50±0.25
1206	3.20±0.20	1.60±0.20	0.50±0.25
1210	3.20±0.20	2.50±0.20	0.50±0.25



e	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
			.5pF	±.25pF	0.33	478-1000-1-ND	2.75	16.25	46.88	478-1000-2-ND	15,000	45.00/M	02013A0R5CAT2A
			1.0pF	±.25pF	0.33	478-1001-1-ND	2.75	16.25	46.88	478-1001-2-ND	15,000	45.00/M	02013A1R0CAT2A
			1.2pF	±.25pF	0.33	478-1002-1-ND	4.95	29.25	84.38	478-1002-2-ND	15,000	81.00/M	02013A1R2CAT2A
			1.5pF	±.25pF	0.33	478-1003-1-ND	2.75	16.25	46.88	478-1003-2-ND	15,000	45.00/M	02013A1R5CAT2A
			1.8pF	±.25pF	0.33	478-1004-1-ND	4.95	29.25	84.38	478-1004-2-ND	15,000	81.00/M	02013A1R8CAT2A
			2.2pF	±.25pF	0.33	478-1005-1-ND	4.95	29.25	84.38	478-1005-2-ND	15,000	81.00/M	02013A2R2CAT2A
			2.7pF	±.25pF	0.33	478-1006-1-ND	4.95	29.25	84.38	478-1006-2-ND	15,000	81.00/M	02013A2R7CAT2A
			3.3pF	±.25pF	0.33	478-1007-1-ND	4.95	29.25	84.38	478-1007-2-ND	15,000	81.00/M	02013A3R3CAT2A
			3.9pF	±.25pF	0.33	478-1008-1-ND	4.95	29.25	84.38	478-1008-2-ND	15,000	81.00/M	02013A3R9CAT2A
			4.7pF	±.25pF	0.33	478-1009-1-ND	4.95	29.25	84.38	478-1009-2-ND	15,000	81.00/M	02013A4R7CAT2A
		25V	5.6pF	±.25pF	0.33	478-1010-1-ND	4.95	29.25	84.38	478-1010-2-ND	15,000	81.00/M	02013A5R6CAT2A
			6.8pF	±.25pF	0.33	478-1011-1-ND	4.95	29.25	84.38	478-1011-2-ND	15,000	81.00/M	02013A6R8CAT2A
			8.2pF	±.25pF	0.33	478-1012-1-ND	4.95	29.25	84.38	478-1012-2-ND	15,000	81.00/M	02013A8R2CAT2A
	C0G		9.0pF	±.25pF	0.33	478-1013-1-ND	2.75	16.25	46.88	478-1013-2-ND	15,000	45.00/M	02013A9R0CAT2A
	(NP0)		10pF	±5%	0.33	478-1014-1-ND	2.75	16.25	46.88	478-1014-2-ND	15,000	45.00/M	02013A100JAT2A
			12pF	±5%	0.33	478-1015-1-ND	2.75	16.25	46.88	478-1015-2-ND	15,000	45.00/M	02013A120JAT2A
			15pF	±5%	0.33	478-1016-1-ND	2.75	16.25	46.88	478-1016-2-ND	15,000	45.00/M	02013A150JAT2A
			18pF	±5%	0.33	478-1017-1-ND	2.75	16.25	46.88	478-1017-2-ND	15,000	45.00/M	02013A180JAT2A
			22pF	±5%	0.33	478-1018-1-ND	2.75	16.25	46.88	478-1018-2-ND	15,000	45.00/M	02013A220JAT2A
			27pF	±5%	0.33	478-1019-1-ND	2.75	16.25	46.88	478-1019-2-ND	15,000	45.00/M	02013A270JAT2A
			33pF	±5%	0.33	478-1020-1-ND	2.75	16.25	46.88	478-1020-2-ND	15,000	45.00/M	02013A330JAT2A
			39pF	±5%	0.33	478-1021-1-ND	2.75	16.25	46.88	478-1021-2-ND	15,000	45.00/M	0201YA390JAT2A
		16V	47pF	±5%	0.33	478-1022-1-ND	2.75	16.25	46.88	478-1022-2-ND	15,000	45.00/M	0201YA470JAT2A
			56pF	±5%	0.33	478-1023-1-ND	2.75	16.25	46.88	478-1023-2-ND	15,000	45.00/M	0201YA560JAT2A
			68pF	±5%	0.33	478-1024-1-ND	2.75	16.25	46.88	478-1024-2-ND	15,000	45.00/M	0201YA680JAT2A
			82pF	±5%	0.33	478-1025-1-ND	2.75	16.25	46.88	478-1025-2-ND	15,000	45.00/M	0201ZA820JAT2A
		10V	100pF	±5%	0.33	478-1026-1-ND	5.50	32.50	93.75	478-1026-2-ND	15,000	90.00/M	0201ZA101JAT2A
			100pF	±10%	0.33	478-1027-1-ND	4.95	29.25	84.38	478-1027-2-ND	15,000	81.00/M	0201YC101KAT2A
			120pF	±10%	0.33	478-1028-1-ND	4.95	29.25	84.38	478-1028-2-ND	15,000	81.00/M	0201YC121KAT2A
			150pF	±10%	0.33	478-1029-1-ND	2.75	16.25	46.88	478-1029-2-ND	15,000	45.00/M	0201YC151KAT2A
			180pF	±10%	0.33	478-1030-1-ND	4.95	29.25	84.38	478-1030-2-ND	15,000	81.00/M	0201YC181KAT2A
			220pF	±10%	0.33	478-1031-1-ND	2.75	16.25	46.88	478-1031-2-ND	15,000	45.00/M	0201YC221KAT2A
			270pF	±10%	0.33	478-1032-1-ND	4.95	29.25	84.38	478-1032-2-ND	15,000	81.00/M	0201YC271KAT2A
	X7R	16V	330pF	±10%	0.33	478-1033-1-ND	2.75	16.25	46.88	478-1033-2-ND	15,000	45.00/M	0201YC331KAT2A
			390pF	±10%	0.33	478-1034-1-ND	4.95	29.25	84.38	478-1034-2-ND	15,000	81.00/M	0201YC391KAT2A
			470pF	±10%	0.33	478-1035-1-ND	2.75	16.25	46.88	478-1035-2-ND	15,000	45.00/M	0201YC471KAT2A
			560pF	±10%	0.33	478-1036-1-ND	5.28	31.20	90.00	478-1036-2-ND	15,000	86.00/M	0201YC561KAT2A
			680pF	±10%	0.33	478-1037-1-ND	2.75	16.25	46.88	478-1037-2-ND	15,000	45.00/M	0201YC681KAT2A
			820pF	±10%	0.33	478-1038-1-ND	5.28	31.20	90.00	478-1038-2-ND	15,000	86.00/M	0201YC821KAT2A
			1000pF	±10%	0.33	478-1039-1-ND	2.75	16.25	46.88	478-1039-2-ND	15,000	45.00/M	0201YC102KAT2A
			1200pF	±10%	0.33	478-1040-1-ND	6.05	35.75	103.13	478-1040-2-ND	15,000	99.00/M	0201ZD122KAT2A
			1500pF	±10%	0.33	478-1041-1-ND	6.05	35.75	103.13	478-1041-2-ND	15,000	99.00/M	0201ZD152KAT2A
			1800pF	±10%	0.33	478-1042-1-ND	6.05	35.75	103.13	478-1042-2-ND	15,000	99.00/M	0201ZD182KAT2A
			2200pF	±10%	0.33	478-1043-1-ND	6.60	39.00	112.50	478-1043-2-ND	15,000	108.00/M	0201ZD222KAT2A
			2700pF	±10%	0.33	478-1044-1-ND	6.60	39.00	112.50	478-1044-2-ND	15,000	108.00/M	0201ZD272KAT2A
	X5R	10V	3300pF	±10%	0.33	478-1045-1-ND	2.75	16.25	46.88	478-1045-2-ND	15,000	45.00/M	0201ZD332KAT2A
			3900pF	±10%	0.33	478-1046-1-ND	6.60	39.00	112.50	478-1046-2-ND	15,000	108.00/M	0201ZD392KAT2A
			4700pF	±10%	0.33	478-1047-1-ND	2.75	16.25	46.88	478-1047-2-ND	15,000	45.00/M	0201ZD472KAT2A
			5600pF	±10%	0.33	478-1048-1-ND	7.15	42.25	121.88	478-1048-2-ND	15,000	117.00/M	0201ZD562KAT2A
			6800pF	±10%	0.33	478-1049-1-ND	2.75	16.25	46.88	478-1049-2-ND	15,000	45.00/M	0201ZD682KAT2A
			8200pF	±10%	0.33	478-1050-1-ND	7.70	45.50	131.25	478-1050-2-ND	15,000	126.00/M	0201ZD822KAT2A
			10000pF	±10%	0.33	478-1051-1-ND	2.75	16.25	46.88	478-1051-2-ND	15,000	45.00/M	0201ZD103KAT2A
		10V	10000pF	+80 -20%	0.33	478-1052-1-ND	8.25	48.75	140.63	478-1052-2-ND	15,000	135.00/M	0201ZG103ZAT2A
			15000pF	+80 -20%	0.33	478-1053-1-ND	8.25	48.75	140.63	478-1053-2-ND	15,000	135.00/M	02016G153ZAT2A
	Y5V	6.3V	22000pF	+80 -20%	0.33	478-1054-1-ND	8.25	48.75	140.63	478-1054-2-ND	15,000	135.00/M	02016G223ZAT2A
			33000pF	+80 -20%	0.33	478-1055-1-ND	8.25	48.75	140.63	478-1055-2-ND	15,000	135.00/M	02016G333ZAT2A
			47000pF	+80 -20%	0.33	478-1056-1-ND	6.60	39.00	112.50	478-1056-2-ND	15,000	108.00/M	02016G473ZAT2A
			.5pF	±.25pF	0.56	478-1057-1-ND	3.30	19.50	56.25	478-1057-2-ND	10,000	54.00/M	04025A0R5JAT2A
			.5pF	±.10pF	0.56	478-3656-1-ND **NEW!**	3.63	21.45	61.88	478-3656-2-ND **NEW!**	10,000	59.00/M	04025A0R5BAT2A
			1.0pF	±.25pF	0.56	478-1058-1-ND	1.10	6.50	18.75	478-1058-2-ND	10,000	18.00/M	04025A1R0CAT2A
			1.0pF	±.10pF	0.56	478-3659-1-ND **NEW!**	3.63	21.45	61.88	478-3659-2-ND **NEW!**	10,000	59.00/M	04025A1R0BAT2A
			1.2pF	±.25pF	0.56	478-1059-1-ND	4.40	26.00	75.00	478-1059-2-ND	10,000	72.00/M	04025A1R2CAT2A
			1.5pF	±.25pF	0.56	478-1060-1-ND	1.10	6.50	18.75	478-1060-2-ND	10,000	18.00/M	04025A1R5CAT2A
			1.8pF	±.25pF	0.56	478-1061-1-ND	3.30	19.50	56.25	478-1061-2-ND	10,000	54.00/M	04025A1R8CAT2A
			2.2pF	±.25pF	0.56	478-1062-1-ND	3.30	19.50	56.25	478-1062-2-ND	10,000	54.00/M	04025A2R2CAT2A
			2.7pF	±.25pF	0.56	478-1063-1-ND	3.30	19.50	56.25	478-1063-2-ND	10,000	54.00/M	04025A2R7CAT2A
			3.3pF	±.25pF	0.56	478-1064-1-ND	3.30	19.50	56.25	478-1064-2-ND	10,000	54.00/M	04025A3R3CAT2A
			3.9pF	±.25pF	0.56	478-1065-1-ND	3.30	19.50	56.25	478-1065-2-ND	10,000	54.00/M	04025A3R9CAT2A
			4.7pF	±.25pF	0.56	478-1066-1-ND	3.30	19.50	56.25	478-1066-2-ND	10,000	54.00/M	04025A4R7CAT2A
			5.6pF	±.25pF	0.56	478-1067-1-ND	3.30	19.50	56.25	478-1067-2-ND	10,000	54.00/M	04025A5R6CAT2A
			6.8pF	±.25pF	0.56	478-1068-1-ND	3.30	19.50	56.25	478-1068-2-ND	10,000	54.00/M	04025A6R8CAT2A
			8.2pF	±.25pF	0.56	478-1069-1-ND	3.30	19.50	56.25	478-1069-2-ND	10,000	54.00/M	04025A8R2CAT2A
			10pF	±.25pF	0.56	478-3657-1-ND **NEW!**	3.30	19.50	56.25	478-3657-2-ND **NEW!**	10,000	54.00/M	04025A100CAT2A
	C0G		10pF	±5%	0.56	478-1070-1-ND	1.10	6.50	18.75	478-1070-2-ND	10,000	18.00/M	04025A100JAT2A
	(NP0)	50V	12pF	±5%	0.56	478-1071-1-ND	1.10	6.50	18.75	478-1071-2-ND	10,000	18.00/M	04025A120JAT2A
			15pF	±5%	0.56	478-1072-1-ND	1.10	6.50	18.75	478-1072-2-ND	10,000	18.00/M	04025A150JAT2A
			18pF	±5%	0.56	478-1073-1-ND	1.10	6.50	18.75	478-1073-2-ND	10,000	18.00/M	04025A180JAT2A
			22pF	±5%	0.56	478-1074-1-ND	1.10	6.50	18.75	478-1074-2-ND	10,000	18.00/M	04025A220JAT2A
			22pF	±10%	0.56	478-3660-1-ND **NEW!**	3.30	19.50	56.25	478-3660-2-ND **NEW!**	10,000	54.00/M	04025A220KAT2A
			27pF	±5%	0.56	478-1075-1-ND	1.10	6.50	18.75	478-1075-2-ND	10,000	18.00/M	04025A270JAT2A
			33pF	±5%	0.56	478-1076-1-ND	1.10	6.50	18.75	478-1076-2-ND	10,000	18.00/M	04025A330JAT2A
			39pF	±5%	0.56	478-1077-1-ND	1.10	6.50	18.75	478-1077-2-ND	10,000	18.00/M	04025A390JAT2A
			47pF	±5%	0.56	478-1078-1-ND	1.10	6.50	18.75	478-1078-2-ND	10,000	18.00/M	04025A470JAT2A
			56pF	±5%	0.56	478-1079-1-ND	1.10	6.50	18.75	478-1079-2-ND	10,000	18.00/M	04025A560JAT2A
			68pF	±5%	0.56	478-1080-1-ND	1.10	6.50	18.75	478-1080-2-ND	10,000	18.00/M	04025A680JAT2A
			82pF	±5%	0.56	478-1081-1-ND	3.30	19.50	56.25	478-1081-2-ND	10,000	54.00/M	04025A820JAT2A
			100pF	±5%	0.56	478-1082-1-ND	2.75	16.25	46.88	478-1082-2-ND	10,000	45.00/M	04025A101JAT2A
			100pF	±1%	0.56	478-3658-1-ND **NEW!**	8.80	52.00	150.00	478-3658-2-ND **NEW!**	10,000	144.00/M	04025A101FAT2A
			120pF	±5%	0.56	478-1083-1-ND	1.10	6.50	18.75	478-1083-2-ND	10,000	18.00/M	04025A121JAT2A
			150pF	±5%	0.56	478-1084-1-ND	1.10	6.50	18.75	478-1084-2-ND	10,000	18.00/M	04025A151JAT2A
			180pF	±5%	0.56	478-1085-1-ND	1.10	6.50	18.75	478-1085-2-ND	10,000	18.00/M	04025A181JAT2A
	X7R	50V	100pF	±10%	0.56	478-1089-1-ND	2.20	13.00	37.50	478-1089-2-ND	10,000	36.00/M	04025C101KAT2A
			120pF	±10%	0.56	478-1090-1-ND	1.10	6.50	18.75	478-1090-2-ND	10,000	18.00/M	04025C121KAT2A
			150pF	±10%	0.56	478-1091-1-ND	1.10	6.50	18.75	478-1091-2-ND	10,000	18.00/M	04025C151KAT2A

(Continued)

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Size Code	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
0402	X7R	50V	180pF	±10%	0.56	478-1092-1-ND	1.10	6.50	18.75	478-1092-2-ND	10,000	18.00/M	04025C181KAT2A
			220pF	±10%	0.56	478-1093-1-ND	3.30	19.50	56.25	478-1093-2-ND	10,000	54.00/M	04025C221KAT2A
			270pF	±10%	0.56	478-1094-1-ND	3.30	19.50	56.25	478-1094-2-ND	10,000	54.00/M	04025C271KAT2A
			330pF	±10%	0.56	478-1095-1-ND	3.30	19.50	56.25	478-1095-2-ND	10,000	54.00/M	04025C331KAT2A
			330pF	±5%	0.56	478-3662-1-ND **NEW!**	4.18	24.70	71.25	478-3662-2-ND **NEW!**	10,000	68.00/M	04025C331JAT2A
			390pF	±10%	0.56	478-1096-1-ND	1.10	6.50	18.75	478-1096-2-ND	10,000	18.00/M	04025C391KAT2A
			470pF	±10%	0.56	478-1097-1-ND	3.30	19.50	56.25	478-1097-2-ND	10,000	54.00/M	04025C471KAT2A
			470pF	±5%	0.56	478-3663-1-ND **NEW!**	4.18	24.70	71.25	478-3663-2-ND **NEW!**	10,000	68.00/M	04025C471JAT2A
			560pF	±10%	0.56	478-1098-1-ND	1.10	6.50	18.75	478-1098-2-ND	10,000	18.00/M	04025C561KAT2A
			680pF	±10%	0.56	478-1099-1-ND	1.10	6.50	18.75	478-1099-2-ND	10,000	18.00/M	04025C681KAT2A
			820pF	±10%	0.56	478-1100-1-ND	1.10	6.50	18.75	478-1100-2-ND	10,000	18.00/M	04025C821KAT2A
			1000pF	±5%	0.56	478-3661-1-ND **NEW!**	4.18	24.70	71.25	478-3661-2-ND **NEW!**	10,000	68.00/M	04025C102JAT2A
			1000pF	±10%	0.56	478-1101-1-ND	1.10	6.50	18.75	478-1101-2-ND	10,000	18.00/M	04025C102KAT2A
			1200pF	±10%	0.56	478-1102-1-ND	1.10	6.50	18.75	478-1102-2-ND	10,000	18.00/M	04025C122KAT2A
			1500pF	±10%	0.56	478-1103-1-ND	3.30	19.50	56.25	478-1103-2-ND	10,000	54.00/M	04025C152KAT2A
			1800pF	±10%	0.56	478-1104-1-ND	3.30	19.50	56.25	478-1104-2-ND	10,000	54.00/M	04025C182KAT2A
			2200pF	±10%	0.56	478-1105-1-ND	2.75	16.25	46.88	478-1105-2-ND	10,000	45.00/M	04025C222KAT2A
			2700pF	±10%	0.56	478-1106-1-ND	3.30	19.50	56.25	478-1106-2-ND	10,000	54.00/M	04025C272KAT2A
			3300pF	±10%	0.56	478-1107-1-ND	1.10	6.50	18.75	478-1107-2-ND	10,000	18.00/M	04025C332KAT2A
			3900pF	±10%	0.56	478-1108-1-ND	3.30	19.50	56.25	478-1108-2-ND	10,000	54.00/M	04025C392KAT2A
			4700pF	±10%	0.56	478-1109-1-ND	1.10	6.50	18.75	478-1109-2-ND	10,000	18.00/M	04025C472KAT2A
			5600pF	±10%	0.56	478-1110-1-ND	2.20	13.00	37.50	478-1110-2-ND	10,000	36.00/M	04025C562KAT2A
			6800pF	±10%	0.56	478-1111-1-ND	2.20	13.00	37.50	478-1111-2-ND	10,000	36.00/M	04025C682KAT2A
			8200pF	±10%	0.56	478-1112-1-ND	2.20	13.00	37.50	478-1112-2-ND	10,000	36.00/M	04025C822KAT2A
		25V	10000pF	±10%	0.56	478-1113-1-ND	3.30	19.50	56.25	478-1113-2-ND	10,000	54.00/M	04023C103KAT2A
			10000pF	±5%	0.56	478-3664-1-ND **NEW!**	4.18	24.70	71.25	478-3664-2-ND **NEW!**	10,000	68.00/M	0402YC103JAT2A
			10000pF	±20%	0.56	478-3665-1-ND **NEW!**	3.08	18.20	52.50	478-3665-2-ND **NEW!**	10,000	50.00/M	0402YC103MAT2A
			10000pF	±10%	0.56	478-1114-1-ND	1.10	6.50	18.75	478-1114-2-ND	10,000	18.00/M	0402YC103KAT2A
			12000pF	±10%	0.56	478-1115-1-ND	1.10	6.50	18.75	478-1115-2-ND	10,000	18.00/M	0402YC123KAT2A
		16V	15000pF	±10%	0.56	478-1116-1-ND	1.10	6.50	18.75	478-1116-2-ND	10,000	18.00/M	0402YC153KAT2A
			18000pF	±10%	0.56	478-1117-1-ND	1.10	6.50	18.75	478-1117-2-ND	10,000	18.00/M	0402YC183KAT2A
			22000pF	±5%	0.56	478-3666-1-ND **NEW!**	4.18	24.70	71.25	478-3666-2-ND **NEW!**	10,000	68.00/M	0402YC223JAT2A
			22000pF	±10%	0.56	478-1118-1-ND	1.10	6.50	18.75	478-1118-2-ND	10,000	18.00/M	0402YC223KAT2A
			27000pF	±10%	0.56	478-1119-1-ND	4.18	24.70	71.25	478-1119-2-ND	10,000	68.00/M	0402ZC273KAT2A
		10V	33000pF	±10%	0.56	478-1120-1-ND	4.40	26.00	75.00	478-1120-2-ND	10,000	72.00/M	0402ZC333KAT2A
			39000pF	±10%	0.56	478-1121-1-ND	4.40	26.00	75.00	478-1121-2-ND	10,000	72.00/M	0402ZC393KAT2A
			27000pF	±10%	0.56	478-1122-1-ND	1.10	6.50	18.75	478-1122-2-ND	10,000	18.00/M	0402YD273KAT2A
			33000pF	±10%	0.56	478-1123-1-ND	1.10	6.50	18.75	478-1123-2-ND	10,000	18.00/M	0402YD333KAT2A
		16V	39000pF	±10%	0.56	478-1124-1-ND	1.10	6.50	18.75	478-1124-2-ND	10,000	18.00/M	0402YD393KAT2A
			47000pF	±10%	0.56	478-1125-1-ND	1.10	6.50	18.75	478-1125-2-ND	10,000	18.00/M	0402YD473KAT2A
			.10µF	±10%	0.56	478-1126-1-ND	6.05	35.75	103.13	478-1126-2-ND	10,000	99.00/M	0402YD104KAT2A
	X5R	10V	47000pF	±10%	0.56	478-3667-1-ND **NEW!**	8.25	48.75	140.63	478-3667-2-ND **NEW!**	10,000	135.00/M	0402ZD473KAT2A
			68000pF	±10%	0.56	478-1128-1-ND	1.10	6.50	18.75	478-1128-2-ND	10,000	18.00/M	0402ZD683KAT2A
			.10µF	±10%	0.56	478-1129-1-ND	1.10	6.50	18.75	478-1129-2-ND	10,000	18.00/M	0402ZD104KAT2A
		6.3V	.15µF	±10%	0.56	478-1130-1-ND	6.60	39.00	112.50	478-1130-2-ND	10,000	108.00/M	0402ZD154KAT2A
			.16µF	±10%	0.56	478-1131-1-ND	7.70	45.50	131.25	—	—	—	0402ZD184KAT2A
			.22µF	±10%	0.56	478-1132-1-ND	6.60	39.00	112.50	478-1132-2-ND	10,000	108.00/M	0402ZD224KAT2A
			1.0µF	±10%	0.56	478-2583-1-ND	5.50	32.50	93.75	478-2583-2-ND	10,000	90.00/M	0402ZD105KAT2A
	Y5V	50V	10000pF	+80 -20%	0.56	478-1133-1-ND	2.20	13.00	37.50	478-1133-2-ND	10,000	36.00/M	04025G103ZAT2A
			22000pF	+80 -20%	0.56	478-1134-1-ND	2.20	13.00	37.50	478-1134-2-ND	10,000	36.00/M	04025G223ZAT2A
		16V	47000pF	+80 -20%	0.56	478-1136-1-ND	2.20	13.00	37.50	478-1136-2-ND	10,000	36.00/M	0402YG473ZAT2A
			68000pF	+80 -20%	0.56	478-1137-1-ND	2.20	13.00	37.50	478-1137-2-ND	10,000	36.00/M	0402YG683ZAT2A
			.10µF	+80 -20%	0.56	478-1138-1-ND	2.20	13.00	37.50	478-1138-2-ND	10,000	36.00/M	0402YG104ZAT2A
		10V	.22µF	+80 -20%	0.56	478-1139-1-ND	2.20	13.00	37.50	478-1139-2-ND	10,000	36.00/M	0402ZG224ZAT2A
0603	C0G (NP0)	100V	1.0pF	±.10pF	0.86	478-3677-1-ND **NEW!**	9.90	58.50	168.75	478-3677-2-ND **NEW!**	4,000	162.00/M	06031A1R0BAT2A
			2.0pF	±.25pF	0.86	478-3685-1-ND **NEW!**	2.20	13.00	37.50	478-3685-2-ND **NEW!**	4,000	36.00/M	06031A2R0CAT2A
			2.2pF	±.10pF	0.86	478-3686-1-ND **NEW!**	9.90	58.50	168.75	478-3686-2-ND **NEW!**	4,000	162.00/M	06031A2R2BAT2A
			3.0pF	±.25pF	0.86	478-3690-1-ND **NEW!**	2.20	13.00	37.50	478-3690-2-ND **NEW!**	4,000	36.00/M	06031A3R0CAT2A
			4.0pF	±.25pF	0.86	478-3693-1-ND **NEW!**	2.20	13.00	37.50	478-3693-2-ND **NEW!**	4,000	36.00/M	06031A4R0CAT2A
			4.7pF	±.10pF	0.86	478-3694-1-ND **NEW!**	9.90	58.50	168.75	478-3694-2-ND **NEW!**	4,000	162.00/M	06031A4R7BAT2A
			5.0pF	±.25pF	0.86	478-3696-1-ND **NEW!**	2.20	13.00	37.50	478-3696-2-ND **NEW!**	4,000	36.00/M	06031A5R0CAT2A
			8.0pF	±.25pF	0.86	478-3697-1-ND **NEW!**	2.20	13.00	37.50	478-3697-2-ND **NEW!**	4,000	36.00/M	06031A8R0CAT2A
			10pF	±.25pF	0.86	478-3668-1-ND **NEW!**	4.29	25.35	73.13	478-3668-2-ND **NEW!**	4,000	70.00/M	06031A100CAT2A
			10pF	±5%	0.86	478-1140-1-ND	2.09	12.35	35.63	478-1140-2-ND	4,000	34.00/M	06031A100JAT2A
			10pF	±2%	0.86	478-3669-1-ND **NEW!**	5.50	32.50	93.75	478-3669-2-ND **NEW!**	4,000	90.00/M	06031A100GAT2A
			10pF	±10%	0.86	478-3670-1-ND **NEW!**	1.98	11.70	33.75	478-3670-2-ND **NEW!**	4,000	32.00/M	06031A100KAT2A
			13pF	±5%	0.86	478-3674-1-ND **NEW!**	2.09	12.35	35.63	478-3674-2-ND **NEW!**	4,000	34.00/M	06031A130JAT2A
			15pF	±5%	0.86	478-1141-1-ND	1.10	6.50	18.75	478-1141-2-ND	4,000	18.00/M	06031A150JAT2A
			15pF	±10%	0.86	478-3675-1-ND **NEW!**	1.98	11.70	33.75	478-3675-2-ND **NEW!**	4,000	32.00/M	06031A150KAT2A
			20pF	±5%	0.86	478-3678-1-ND **NEW!**	2.09	12.35	35.63	478-3678-2-ND **NEW!**	4,000	34.00/M	06031A200JAT2A
			22pF	±5%	0.86	478-1142-1-ND	1.10	6.50	18.75	478-1142-2-ND	4,000	18.00/M	06031A220JAT2A
			22pF	±10%	0.86	478-3679-1-ND **NEW!**	1.98	11.70	33.75	478-3679-2-ND **NEW!**	4,000	32.00/M	06031A220KAT2A
			27pF	±1%	0.86	478-3681-1-ND **NEW!**	6.60	39.00	112.50	478-3681-2-ND **NEW!**	4,000	108.00/M	06031A270FAT2A
			27pF	±2%	0.86	478-3682-1-ND **NEW!**	5.50	32.50	93.75	478-3682-2-ND **NEW!**	4,000	90.00/M	06031A270GAT2A
			27pF	±10%	0.86	478-3683-1-ND **NEW!**	1.98	11.70	33.75	478-3683-2-ND **NEW!**	4,000	32.00/M	06031A270KAT2A
			30pF	±5%	0.86	478-3687-1-ND **NEW!**	2.09	12.35	35.63	478-3687-2-ND **NEW!**	4,000	34.00/M	06031A300JAT2A
			33pF	±1%	0.86	478-3688-1-ND **NEW!**	6.60	39.00	112.50	478-3688-2-ND **NEW!**	4,000	108.00/M	06031A330FAT2A
			33pF	±10%	0.86	478-3689-1-ND **NEW!**	1.98	11.70	33.75	478-3689-2-ND **NEW!**	4,000	32.00/M	06031A330KAT2A
			33pF	±5%	0.86	478-1143-1-ND	1.10	6.50	18.75	478-1143-2-ND	4,000	18.00/M	06031A330JAT2A
			47pF	±10%	0.86	478-3692-1-ND **NEW!**	1.98	11.70	33.75	478-3692-2-ND **NEW!**	4,000	32.00/M	06031A470KAT2A
			47pF	±1%	0.86	478-3691-1-ND **NEW!**	6.60	39.00	112.50	478-3691-2-ND **NEW!**	4,000	108.00/M	06031A470FAT2A
			51pF	±5%	0.86	478-3695-1-ND **NEW!**	2.09	12.35	35.63	478-3695-2-ND **NEW!**	4,000	34.00/M	06031A510JAT2A
			47pF	±5%	0.86	478-1144-1-ND	1.10	6.50	18.75	478-1144-2-ND	4,000	18.00/M	06031A470JAT2A
			68pF	±5%	0.86	478-1145-1-ND	1.10	6.50	18.75	478-1145-2-ND	4,000	18.00/M	06031A680JAT2A
			100pF	±5%	0.86	478-1146-1-ND	1.10	6.50	18.75	478-1146-2-ND	4,000	18.00/M	06031A101JAT2A
			100pF	±1%	0.86	478-3671-1-ND **NEW!**	6.60	39.00	112.50	478-3671-2-ND **NEW!**	4,000	108.00/M	06031A101FAT2A
			100pF	±10%	0.86	478-3672-1-ND **NEW!**	1.98	11.70	33.75	478-3672-2-ND **NEW!**	4,000	32.00/M	06031A101KAT2A
			120pF	±5%	0.86	478-3673-1-ND **NEW!**	2.09	12.35	35.63	478-3673-2-ND **NEW!**	4,000	34.00/M	06031A121JAT2A
			150pF	±5%	0.86	478-1147-1-ND	4.95	29.25	84.38	478-1147-2-ND	4,000	81.00/M	06031A151JAT2A
			150pF	±10%	0.86	478-3676-1-ND **NEW!**	2.20	13.00	37.50	478-3676-2-ND **NEW!**	4,000	36.00/M	06031A151KAT2A
			220pF	±10%	0.86	478-3680-1-ND **NEW!**	2.20	13.00	37.50	478-3680-2-ND **NEW!**	4,000	36.00/M	06031A221KAT2A
			220pF	±5%	0.86	478-1148-1-ND	2.31	13.65	39.38	478-1148-2-ND	4,000	38.00/M	06031A221JAT2A
			270pF	±5%	0.86	478-3684-1-ND **NEW!**	4.18	24.70	71.25	478-3684-2-ND **NEW!**	4,000	68.00/M	06031A271JAT2A
			330pF	±5%	0.86	478-1149-1-ND	4.18	24.70	71.25	478-1149-2-ND	4,000	68.00/M	06031A331JAT2A
		50V	.5pF	±.25pF	0.86	478-1150-1-ND	2.09	12.35	35.63	478-1150-2-ND	4,000	34.00/M	06035A0R5CAT2A
			1.0pF	±.25pF	0.86	478-1151-1-ND	2.09	12.35	35.63	478-1151-2-ND	4,000	34.00/M	06035A1R0CAT2A
			1.2pF	±.25pF	0.86	478-1152-1-ND	2.09	12.35	35.63	478-1152-2-ND	4,000	34.00/M	06035A1R2CAT2A
			1.5pF	±.25pF	0.86	478-1153-1-ND	2.09	12.35	35.63	478-1153-2-ND	4,000	34.00/M	06035A1R5CAT2A
			1.8pF	±.25pF	0.86	478-1154-1-ND	2.09	12.35	35.63	478-1154-2-ND	4,000	34.00/M	06035A1R8CAT2A
			2.2pF	±.25pF	0.86	478-1155-1-ND	2.09	12.35	35.63	478-1155-2-ND	4,000	34.00/M	06035A2R2CAT2A
			2.7pF	±.25pF	0.86	478-1156-1-ND	2.09	12.35	35.63	478-1156-2-ND	4,000	34.00/M	06035A2R7CAT2A
			3.3pF	±.25pF	0.86	478-1157-1-ND	2.09	12.35	35.63	478-1157-2-ND	4,000	34.00/M	06035A3R3CAT2A
			3.9pF	±.25pF	0.86	478-1158-1-ND	2.09	12.35	35.63	478-1158-2-ND	4,000	34.00/M	06035A3R9CAT2A
			4.7pF	±.25pF	0.86	478-1159-1-ND	2.09	12.35	35.63	478-1159-2-ND	4,000	34.00/M	06035A4R7CAT2A
			5.6pF	±.25pF	0.86	478-1160-1-ND	2.09	12.35	35.63	478-1160-2-ND	4,000	34.00/M	06035A5R6CAT2A
			6.8pF	±.25pF	0.86	478-1161-1-ND	2.09	12.35	35.63	478-1161-2-ND	4,000	34.00/M	06035A6R8CAT2A

(Cont'd)

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Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
		8.2pF	±.25pF	0.86	478-1162-1-ND	2.09	12.35	35.63	478-1162-2-ND	4,000	34.00/M	06035A8R2CAT2A
		10pF	±5%	0.86	478-1163-1-ND	1.87	11.05	31.88	478-1163-2-ND	4,000	31.00/M	06035A100JAT2A
		12pF	±5%	0.86	478-1164-1-ND	1.65	9.75	28.13	478-1164-2-ND	4,000	27.00/M	06035A120JAT2A
		15pF	±5%	0.86	478-1165-1-ND	1.10	6.50	18.75	478-1165-2-ND	4,000	18.00/M	06035A150JAT2A
		18pF	±5%	0.86	478-1166-1-ND	2.09	12.35	35.63	478-1166-2-ND	4,000	34.00/M	06035A180JAT2A
		22pF	±5%	0.86	478-1167-1-ND	1.10	6.50	18.75	478-1167-2-ND	4,000	18.00/M	06035A220JAT2A
		27pF	±5%	0.86	478-1168-1-ND	1.10	6.50	18.75	478-1168-2-ND	4,000	18.00/M	06035A270JAT2A
		33pF	±5%	0.86	478-1169-1-ND	1.65	9.75	28.13	478-1169-2-ND	4,000	27.00/M	06035A330JAT2A
		39pF	±5%	0.86	478-1170-1-ND	2.09	12.35	35.63	478-1170-2-ND	4,000	34.00/M	06035A390JAT2A
		47pF	±5%	0.86	478-1171-1-ND	1.10	6.50	18.75	478-1171-2-ND	4,000	18.00/M	06035A470JAT2A
		56pF	±5%	0.86	478-1172-1-ND	2.09	12.35	35.63	478-1172-2-ND	4,000	34.00/M	06035A560JAT2A
		68pF	±5%	0.86	478-1173-1-ND	2.20	13.00	37.50	478-1173-2-ND	4,000	36.00/M	06035A680JAT2A
		82pF	±5%	0.86	478-1174-1-ND	2.09	12.35	35.63	478-1174-2-ND	4,000	34.00/M	06035A820JAT2A
C0G (NP0)	50V	100pF	±5%	0.86	478-1175-1-ND	1.10	6.50	18.75	478-1175-2-ND	4,000	18.00/M	06035A101JAT2A
		100pF	±10%	0.86	478-3717-1-ND *NEW!*	1.98	11.70	33.75	478-3717-2-ND *NEW!*	4,000	32.00/M	06035A101KAT2A
		120pF	±5%	0.86	478-1176-1-ND	2.20	13.00	37.50	478-1176-2-ND	4,000	36.00/M	06035A121JAT2A
		150pF	±5%	0.86	478-1177-1-ND	1.10	6.50	18.75	478-1177-2-ND	4,000	18.00/M	06035A151JAT2A
		180pF	±5%	0.86	478-1178-1-ND	1.10	6.50	18.75	478-1178-2-ND	4,000	18.00/M	06035A181JAT2A
		220pF	±5%	0.86	478-1179-1-ND	2.20	13.00	37.50	478-1179-2-ND	4,000	36.00/M	06035A221JAT2A
		220pF	±1%	0.86	478-3719-1-ND *NEW!*	6.60	39.00	112.50	478-3719-2-ND *NEW!*	4,000	108.00/M	06035A221FAT2A
		270pF	±5%	0.86	478-1180-1-ND	1.10	6.50	18.75	478-1180-2-ND	4,000	18.00/M	06035A271JAT2A
		330pF	±5%	0.86	478-1181-1-ND	2.20	13.00	37.50	478-1181-2-ND	4,000	36.00/M	06035A331JAT2A
		390pF	±5%	0.86	478-1182-1-ND	2.20	13.00	37.50	478-1182-2-ND	4,000	36.00/M	06035A391JAT2A
		470pF	±5%	0.86	478-1183-1-ND	1.10	6.50	18.75	478-1183-2-ND	4,000	18.00/M	06035A471JAT2A
		470pF	±10%	0.86	478-3720-1-ND *NEW!*	2.97	17.55	50.63	478-3720-2-ND *NEW!*	4,000	49.00/M	06035A471KAT2A
		560pF	±5%	0.86	478-1184-1-ND	2.20	13.00	37.50	478-1184-2-ND	4,000	36.00/M	06035A561JAT2A
		1000pF	±10%	0.86	478-3718-1-ND *NEW!*	3.52	20.80	60.00	478-3718-2-ND *NEW!*	4,000	58.00/M	06035A102KAT2A
		220pF	±10%	0.86	478-1190-1-ND	1.10	6.50	18.75	478-1190-2-ND	4,000	18.00/M	06032C221KAT2A
		330pF	±10%	0.86	478-1191-1-ND	1.10	6.50	18.75	478-1191-2-ND	4,000	18.00/M	06032C331KAT2A
	200V	470pF	±10%	0.86	478-1192-1-ND	1.10	6.50	18.75	478-1192-2-ND	4,000	18.00/M	06032C471KAT2A
		680pF	±10%	0.86	478-1193-1-ND	1.10	6.50	18.75	478-1193-2-ND	4,000	18.00/M	06032C681KAT2A
		1000pF	±10%	0.86	478-1194-1-ND	1.10	6.50	18.75	478-1194-2-ND	4,000	18.00/M	06032C102KAT2A
		220pF	±10%	0.86	478-1195-1-ND	1.10	6.50	18.75	478-1195-2-ND	4,000	18.00/M	06031C221KAT2A
		330pF	±10%	0.86	478-1196-1-ND	1.10	6.50	18.75	478-1196-2-ND	4,000	18.00/M	06031C331KAT2A
		330pF	±5%	0.86	478-3707-1-ND *NEW!*	2.97	17.55	50.63	478-3707-2-ND *NEW!*	4,000	49.00/M	06031C331JAT2A
		470pF	±10%	0.86	478-1197-1-ND	1.10	6.50	18.75	478-1197-2-ND	4,000	18.00/M	06031C471KAT2A
		470pF	±5%	0.86	478-3709-1-ND *NEW!*	2.97	17.55	50.63	478-3709-2-ND *NEW!*	4,000	49.00/M	06031C471JAT2A
		680pF	±10%	0.86	478-1198-1-ND	1.10	6.50	18.75	478-1198-2-ND	4,000	18.00/M	06031C681KAT2A
		680pF	±5%	0.86	478-3712-1-ND *NEW!*	2.97	17.55	50.63	478-3712-2-ND *NEW!*	4,000	49.00/M	06031C681JAT2A
		1000pF	±5%	0.86	478-3698-1-ND *NEW!*	2.97	17.55	50.63	478-3698-2-ND *NEW!*	4,000	49.00/M	06031C102JAT2A
		1000pF	±20%	0.86	478-3699-1-ND *NEW!*	1.98	11.70	33.75	478-3699-2-ND *NEW!*	4,000	32.00/M	06031C102MAT2A
		1000pF	±10%	0.86	478-1199-1-ND	1.10	6.50	18.75	478-1199-2-ND	4,000	18.00/M	06031C102KAT2A
		1200pF	±5%	0.86	478-3702-1-ND *NEW!*	2.97	17.55	50.63	478-3702-2-ND *NEW!*	4,000	49.00/M	06031C122JAT2A
		1500pF	±10%	0.86	478-1200-1-ND	2.09	12.35	35.63	478-1200-2-ND	4,000	34.00/M	06031C152KAT2A
	100V	1500pF	±5%	0.86	478-3703-1-ND *NEW!*	2.97	17.55	50.63	478-3703-2-ND *NEW!*	4,000	49.00/M	06031C152JAT2A
		1800pF	±5%	0.86	478-3704-1-ND *NEW!*	2.97	17.55	50.63	478-3704-2-ND *NEW!*	4,000	49.00/M	06031C182JAT2A
		2200pF	±10%	0.86	478-1201-1-ND	2.09	12.35	35.63	478-1201-2-ND	4,000	34.00/M	06031C222KAT2A
		2200pF	±5%	0.86	478-3705-1-ND *NEW!*	2.97	17.55	50.63	478-3705-2-ND *NEW!*	4,000	49.00/M	06031C222JAT2A
		2700pF	±5%	0.86	478-3706-1-ND *NEW!*	2.97	17.55	50.63	478-3706-2-ND *NEW!*	4,000	49.00/M	06031C272JAT2A
		3300pF	±10%	0.86	478-1202-1-ND	2.09	12.35	35.63	478-1202-2-ND	4,000	34.00/M	06031C332KAT2A
		3300pF	±5%	0.86	478-3708-1-ND *NEW!*	2.97	17.55	50.63	478-3708-2-ND *NEW!*	4,000	49.00/M	06031C332JAT2A
		4700pF	±10%	0.86	478-1203-1-ND	2.09	12.35	35.63	478-1203-2-ND	4,000	34.00/M	06031C472KAT2A
		4700pF	±5%	0.86	478-3710-1-ND *NEW!*	2.97	17.55	50.63	478-3710-2-ND *NEW!*	4,000	49.00/M	06031C472JAT2A
		5600pF	±5%	0.86	478-3711-1-ND *NEW!*	2.97	17.55	50.63	478-3711-2-ND *NEW!*	4,000	49.00/M	06031C562JAT2A
		6800pF	±10%	0.86	478-1204-1-ND	2.09	12.35	35.63	478-1204-2-ND	4,000	34.00/M	06031C682KAT2A
		10000pF	±5%	0.86	478-3700-1-ND *NEW!*	2.97	17.55	50.63	478-3700-2-ND *NEW!*	4,000	49.00/M	06031C103JAT2A
		10000pF	±20%	0.86	478-3701-1-ND *NEW!*	3.63	21.45	61.88	478-3701-2-ND *NEW!*	4,000	59.00/M	06031C103MAT2A
		10000pF	±10%	0.86	478-1205-1-ND	4.51	26.65	76.88	478-1205-2-ND	4,000	74.00/M	06031C103KAT2A
		180pF	±10%	0.86	478-1206-1-ND	2.09	12.35	35.63	478-1206-2-ND	4,000	34.00/M	06035C181KAT2A
		220pF	±10%	0.86	478-1207-1-ND	2.09	12.35	35.63	478-1207-2-ND	4,000	34.00/M	06035C221KAT2A
		270pF	±10%	0.86	478-1208-1-ND	2.09	12.35	35.63	478-1208-2-ND	4,000	34.00/M	06035C271KAT2A
		330pF	±10%	0.86	478-1209-1-ND	2.09	12.35	35.63	478-1209-2-ND	4,000	34.00/M	06035C331KAT2A
		390pF	±10%	0.86	478-1210-1-ND	2.09	12.35	35.63	478-1210-2-ND	4,000	34.00/M	06035C391KAT2A
		470pF	±10%	0.86	478-1211-1-ND	2.09	12.35	35.63	478-1211-2-ND	4,000	34.00/M	06035C471KAT2A
		560pF	±10%	0.86	478-1212-1-ND	2.09	12.35	35.63	478-1212-2-ND	4,000	34.00/M	06035C561KAT2A
		680pF	±10%	0.86	478-1213-1-ND	2.09	12.35	35.63	478-1213-2-ND	4,000	34.00/M	06035C681KAT2A
X7R		820pF	±10%	0.86	478-1214-1-ND	2.09	12.35	35.63	478-1214-2-ND	4,000	34.00/M	06035C821KAT2A
		1000pF	±10%	0.86	478-1215-1-ND	.88	5.20	15.00	478-1215-2-ND	4,000	14.00/M	06035C102KAT2A
		1200pF	±10%	0.86	478-1216-1-ND	1.10	6.50	18.75	478-1216-2-ND	4,000	18.00/M	06035C122KAT2A
		1500pF	±10%	0.86	478-1217-1-ND	1.10	6.50	18.75	478-1217-2-ND	4,000	18.00/M	06035C152KAT2A
		1800pF	±10%	0.86	478-1218-1-ND	1.10	6.50	18.75	478-1218-2-ND	4,000	18.00/M	06035C182KAT2A
		2200pF	±10%	0.86	478-1219-1-ND	1.10	6.50	18.75	478-1219-2-ND	4,000	18.00/M	06035C222KAT2A
	50V	2700pF	±10%	0.86	478-1220-1-ND	1.10	6.50	18.75	478-1220-2-ND	4,000	18.00/M	06035C272KAT2A
		3300pF	±10%	0.86	478-1221-1-ND	2.20	13.00	37.50	478-1221-2-ND	4,000	36.00/M	06035C332KAT2A
		3900pF	±10%	0.86	478-1222-1-ND	1.10	6.50	18.75	478-1222-2-ND	4,000	18.00/M	06035C392KAT2A
		4700pF	±10%	0.86	478-1223-1-ND	2.09	12.35	35.63	478-1223-2-ND	4,000	34.00/M	06035C472KAT2A
		5600pF	±10%	0.86	478-1224-1-ND	1.10	6.50	18.75	478-1224-2-ND	4,000	18.00/M	06035C562KAT2A
		6800pF	±10%	0.86	478-1225-1-ND	2.09	12.35	35.63	478-1225-2-ND	4,000	34.00/M	06035C682KAT2A
		8200pF	±10%	0.86	478-1226-1-ND	1.10	6.50	18.75	478-1226-2-ND	4,000	18.00/M	06035C822KAT2A
		10000pF	±10%	0.86	478-1227-1-ND	.88	5.20	15.00	478-1227-2-ND	4,000	14.00/M	06035C103KAT2A
		12000pF	±10%	0.86	478-1228-1-ND	1.10	6.50	18.75	478-1228-2-ND	4,000	18.00/M	06035C123KAT2A
		15000pF	±10%	0.86	478-1229-1-ND	1.10	6.50	18.75	478-1229-2-ND	4,000	18.00/M	06035C153KAT2A
		15000pF	±5%	0.86	478-3721-1-ND *NEW!*	3.85	22.75	65.63	478-3721-2-ND *NEW!*	4,000	63.00/M	06035C153JAT2A
		18000pF	±10%	0.86	478-1230-1-ND	1.10	6.50	18.75	478-1230-2-ND	4,000	18.00/M	06035C183KAT2A
		22000pF	±5%	0.86	478-3722-1-ND *NEW!*	3.85	22.75	65.63	478-3722-2-ND *NEW!*	4,000	63.00/M	06035C223JAT2A
		22000pF	±10%	0.86	478-1231-1-ND	1.10	6.50	18.75	478-1231-2-ND	4,000	18.00/M	06035C223KAT2A
		27000pF	±10%	0.86	478-1232-1-ND	1.10	6.50	18.75	478-1232-2-ND	4,000	18.00/M	06035C273KAT2A
		33000pF	±5%	0.86	478-3723-1-ND *NEW!*	3.85	22.75	65.63	478-3723-2-ND *NEW!*	4,000	63.00/M	06035C333JAT2A
		33000pF	±10%	0.86	478-1233-1-ND	1.10	6.50	18.75	478-1233-2-ND	4,000	18.00/M	06035C333KAT2A
		39000pF	±10%	0.86	478-1234-1-ND	1.10	6.50	18.75	478-1234-2-ND	4,000	18.00/M	06035C393KAT2A
		39000pF	±10%	0.86	478-3715-1-ND *NEW!*	4.29	25.35	73.13	478-3715-2-ND *NEW!*	4,000	70.00/M	06035C393KAT2A
		47000pF	±5%	0.86	478-3716-1-ND *NEW!*	6.16	36.40	105.00	478-3716-2-ND *NEW!*	4,000	101.00/M	06033C473JAT2A
		47000pF	±10%	0.86	478-1235-1-ND	1.10	6.50	18.75	478-1235-2-ND	4,000	18.00/M	06033C473KAT2A
	25V	.10µF	±5%	0.86	478-3713-1-ND *NEW!*	6.38	37.70	108.75	478-3713-2-ND *NEW!*	4,000	104.00/M	06033C104JAT2A
		.10µF	±10%	0.86	478-3714-1-ND *NEW!*	4.95	29.25	84.38	478-3714-2-ND *NEW!*	4,000	81.00/M	06033C104KAT2A
		56000pF	±10%	0.86	478-1236-1-ND	1.10	6.50	18.75	478-1236-2-ND	4,000	18.00/M	0603YC563KAT2A
		68000pF	±10%	0.86	478-1237-1-ND	1.10	6.50	18.75	478-1237-2-ND	4,000	18.00/M	0603YC683KAT2A
		82000pF	±10%	0.86	478-1238-1-ND	1.10	6.50	18.75	478-1238-2-ND	4,000	18.00/M	0603YC823KAT2A
	16V	.10µF	±10%	0.86	478-1239-1-ND	.88	5.20	15.00	478-1239-2-ND	4,000	14.00/M	0603YC104KAT2A
		.10µF	±20%	0.86	478-3727-1-ND *NEW!*	3.85	22.75	65.63	478-3727-2-ND *NEW!*	4,000	63.00/M	0603YC104MAT2A
		.10µF	±5%	0.86	478-3726-1-ND *NEW!*	4.95	29.25	84.38	478-3726-2-ND *NEW!*	4,000	81.00/M	0603YC104JAT2A
		.12µF	±10%	0.86	478-1240-1-ND	3.85	22.75	65.63	478-1240-2-ND	4,000	63.00/M	0603ZC124KAT2A
		.15µF	±10%	0.86	478-1241-1-ND	3.85	22.75	65.63	478-1241-2-ND	4,000	63.00/M	0603ZC154KAT2A
	10V	.18µF	±10%	0.86	478-1242-1-ND	4.40	26.00	75.00	478-1242-2-ND	4,000	72.00/M	0603ZC184KAT2A
		.22µF	±20%	0.86	478-3729-1-ND *NEW!*	4.40	26.00	75.00	478-3729-2-ND *NEW!*	4,000	72.00/M	0603ZC224MAT2A
		.22µF	±10%	0.86	478-1243-1-ND	1.10	6.50	18.75	478-1243-2-ND	4,000	18.00/M	0603ZC224KAT2A
X8R	50V	1000pF	±10%	0.86	478-3600-1-ND *NEW!*	3.08	18.20	52.50	478-3600-2-ND *NEW!*	4,000	50.00/M	06035F102K4T2A

(Continued)

Size Code	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
			3300pF	±10%	0.86	478-3601-1-ND **NEW!**	3.08	18.20	52.50	478-3601-2-ND **NEW!**	4,000	50.00/M	06035F332K4T2A
			4700pF	±10%	0.86	478-3602-1-ND **NEW!**	3.08	18.20	52.50	478-3602-2-ND **NEW!**	4,000	50.00/M	06035F472K4T2A
			10000pF	±10%	0.86	478-3603-1-ND **NEW!**	2.09	12.35	35.63	478-3603-2-ND **NEW!**	4,000	34.00/M	06035F103K4T2A
			22000pF	±10%	0.86	478-3604-1-ND **NEW!**	4.51	26.65	76.88	478-3604-2-ND **NEW!**	4,000	74.00/M	06035F223K4T2A
			33000pF	±10%	0.86	478-3605-1-ND **NEW!**	4.51	26.65	76.88	478-3605-2-ND **NEW!**	4,000	74.00/M	06035F333K4T2A
			47000pF	±10%	0.86	478-3606-1-ND **NEW!**	4.51	26.65	76.88	478-3606-2-ND **NEW!**	4,000	74.00/M	06035F473K4T2A
		25V	68000pF	±10%	0.86	478-3607-1-ND **NEW!**	5.72	33.80	97.50	478-3607-2-ND **NEW!**	4,000	94.00/M	06033F683K4T2A
		25V	.10µF	±10%	0.86	478-1244-1-ND	3.85	22.75	65.63	478-1244-2-ND	4,000	63.00/M	06033D104KAT2A
			.22µF	±10%	0.86	478-1245-1-ND	4.95	29.25	84.38	478-1245-2-ND	4,000	81.00/M	06033D224KAT2A
			.22µF	±10%	0.86	478-1246-1-ND	4.40	26.00	75.00	478-1246-2-ND	4,000	72.00/M	0603YD224KAT2A
		16V	.33µF	±10%	0.86	478-1247-1-ND	1.87	11.05	31.88	478-1247-2-ND	4,000	31.00/M	0603YD334KAT2A
			.47µF	±10%	0.86	478-1248-1-ND	1.87	11.05	31.88	478-1248-2-ND	4,000	31.00/M	0603YD474KAT2A
			1.0µF	±10%	0.86	478-1249-1-ND	2.20	13.00	37.50	478-1249-2-ND	4,000	36.00/M	0603YD105KAT2A
	X5R	10V	.68µF	±10%	0.86	478-1250-1-ND	2.20	13.00	37.50	478-1250-2-ND	4,000	36.00/M	0603ZD684KAT2A
			1.0µF	±10%	0.86	478-1251-1-ND	1.76	10.40	30.00	478-1251-2-ND	4,000	29.00/M	0603ZD105KAT2A
			1.0µF	±10%	0.86	478-2581-1-ND	6.60	39.00	112.50	478-2581-2-ND	4,000	108.00/M	0603ID105KAT2A
0603		6.3V	2.2µF	±10%	0.86	478-1252-1-ND	4.40	26.00	75.00	478-1252-2-ND	4,000	72.00/M	0603ID225KAT2A
			2.2µF	±20%	0.86	478-3725-1-ND **NEW!**	12.10	71.50	206.25	478-3725-2-ND **NEW!**	4,000	198.00/M	0603ID225MAT2A
			4.7µF	±20%	0.86	478-2582-1-ND	8.80	52.00	150.00	478-2582-2-ND	4,000	144.00/M	0603ID475MAT2A
		4V	4.7µF	±10%	0.94	478-1253-1-ND	6.60	39.00	112.50	478-1253-2-ND	4,000	108.00/M	06034D475KAT2A
			10000pF	+80 -20%	0.86	478-1254-1-ND	1.10	6.50	18.75	478-1254-2-ND	4,000	18.00/M	06035G103ZAT2A
			22000pF	+80 -20%	0.86	478-1255-1-ND	1.10	6.50	18.75	478-1255-2-ND	4,000	18.00/M	06035G223ZAT2A
			33000pF	+80 -20%	0.86	478-1256-1-ND	1.10	6.50	18.75	478-1256-2-ND	4,000	18.00/M	06035G333ZAT2A
		50V	47000pF	+80 -20%	0.86	478-1257-1-ND	1.10	6.50	18.75	478-1257-2-ND	4,000	18.00/M	06035G473ZAT2A
			68000pF	+80 -20%	0.86	478-1258-1-ND	1.10	6.50	18.75	478-1258-2-ND	4,000	18.00/M	06035G683ZAT2A
			.10µF	+80 -20%	0.86	478-3724-1-ND **NEW!**	2.86	16.90	48.75	478-3724-2-ND **NEW!**	4,000	47.00/M	06035G104ZAT2A
	Y5V		.10µF	+80 -20%	0.86	478-1259-1-ND	1.10	6.50	18.75	478-1259-2-ND	4,000	18.00/M	06033G104ZAT2A
		25V	.15µF	+80 -20%	0.86	478-1260-1-ND	2.20	13.00	37.50	478-1260-2-ND	4,000	36.00/M	06033G154ZAT2A
			.22µF	+80 -20%	0.86	478-1261-1-ND	1.10	6.50	18.75	478-1261-2-ND	4,000	18.00/M	06033G224ZAT2A
			.22µF	+80 -20%	0.86	478-3726-1-ND **NEW!**	4.84	28.60	82.50	478-3728-2-ND **NEW!**	4,000	79.00/M	0603YG224ZAT2A
			.33µF	+80 -20%	0.86	478-1262-1-ND	2.20	13.00	37.50	478-1262-2-ND	4,000	36.00/M	0603YG334ZAT2A
		16V	.47µF	+80 -20%	0.86	478-1263-1-ND	1.10	6.50	18.75	478-1263-2-ND	4,000	18.00/M	0603YG474ZAT2A
			1.0µF	+80 -20%	0.86	478-1264-1-ND	1.10	6.50	18.75	478-1264-2-ND	4,000	18.00/M	0603YG105ZAT2A
		10V	1.0µF	+80 -20%	0.86	478-1265-1-ND	1.10	6.50	18.75	478-1265-2-ND	4,000	18.00/M	0603ZG105ZAT2A
			10pF	±5%	0.94	478-1266-1-ND	3.71	21.91	63.19	478-1266-2-ND	4,000	61.00/M	08052A100JAT2A
			15pF	±5%	0.94	478-1267-1-ND	2.20	13.00	37.50	478-1267-2-ND	4,000	36.00/M	08052A150JAT2A
			22pF	±5%	0.94	478-1268-1-ND	2.20	13.00	37.50	478-1268-2-ND	4,000	36.00/M	08052A220JAT2A
			33pF	±5%	0.94	478-1269-1-ND	2.20	13.00	37.50	478-1269-2-ND	4,000	36.00/M	08052A330JAT2A
			47pF	±5%	0.94	478-1270-1-ND	2.20	13.00	37.50	478-1270-2-ND	4,000	36.00/M	08052A470JAT2A
		200V	68pF	±5%	0.94	478-1271-1-ND	8.25	48.75	140.63	478-1271-2-ND	4,000	135.00/M	08052A680JAT2A
			100pF	±5%	0.94	478-1272-1-ND	8.25	48.75	140.63	478-1272-2-ND	4,000	135.00/M	08052A101JAT2A
			150pF	±5%	0.94	478-1273-1-ND	8.25	48.75	140.63	478-1273-2-ND	4,000	135.00/M	08052A151JAT2A
			220pF	±5%	0.94	478-1274-1-ND	8.25	48.75	140.63	478-1274-2-ND	4,000	135.00/M	08052A221JAT2A
			330pF	±5%	1.27	478-1275-1-ND	8.25	48.75	140.63	478-1275-2-ND	2,000	135.00/M	08052A331JAT2A
			470pF	±5%	1.27	478-1276-1-ND	3.96	23.40	67.50	478-1276-2-ND	2,000	65.00/M	08052A471JAT2A
			6.8pF	±.50pF	0.94	478-3742-1-ND **NEW!**	2.20	13.00	37.50	478-3742-2-ND **NEW!**	4,000	36.00/M	08051A6R8DAT2A
			10pF	±5%	0.94	478-1278-1-ND	2.20	13.00	37.50	478-1278-2-ND	4,000	36.00/M	08051A100JAT2A
			10pF	±.25pF	0.94	478-3730-1-ND **NEW!**	3.52	20.80	60.00	478-3730-2-ND **NEW!**	4,000	58.00/M	08051A100CAT2A
			10pF	±10%	0.94	478-3731-1-ND **NEW!**	2.09	12.35	35.63	478-3731-2-ND **NEW!**	4,000	34.00/M	08051A100KAT2A
			15pF	±5%	0.94	478-1279-1-ND	2.20	13.00	37.50	478-1279-2-ND	4,000	36.00/M	08051A150JAT2A
			20pF	±5%	0.94	478-3735-1-ND **NEW!**	2.31	13.65	39.38	478-3735-2-ND **NEW!**	4,000	38.00/M	08051A200JAT2A
			22pF	±5%	0.94	478-1280-1-ND	2.20	13.00	37.50	478-1280-2-ND	4,000	36.00/M	08051A220JAT2A
			22pF	±10%	0.94	478-3736-1-ND **NEW!**	2.09	12.35	35.63	478-3736-2-ND **NEW!**	4,000	34.00/M	08051A220KAT2A
			30pF	±5%	0.94	478-3738-1-ND **NEW!**	2.31	13.65	39.38	478-3738-2-ND **NEW!**	4,000	38.00/M	08051A300JAT2A
			33pF	±5%	0.94	478-1281-1-ND	2.31	13.65	39.38	478-1281-2-ND	4,000	38.00/M	08051A330JAT2A
			33pF	±10%	0.94	478-3739-1-ND **NEW!**	2.09	12.35	35.63	478-3739-2-ND **NEW!**	4,000	34.00/M	08051A330KAT2A
			47pF	±5%	0.94	478-1282-1-ND	2.20	13.00	37.50	478-1282-2-ND	4,000	36.00/M	08051A470JAT2A
			47pF	±10%	0.94	478-3740-1-ND **NEW!**	2.09	12.35	35.63	478-3740-2-ND **NEW!**	4,000	34.00/M	08051A470KAT2A
		100V	68pF	±5%	0.94	478-1283-1-ND	2.20	13.00	37.50	478-1283-2-ND	4,000	36.00/M	08051A680JAT2A
			75pF	±5%	0.94	478-3743-1-ND **NEW!**	2.31	13.65	39.38	478-3743-2-ND **NEW!**	4,000	38.00/M	08051A750JAT2A
			100pF	±5%	0.94	478-1284-1-ND	2.20	13.00	37.50	478-1284-2-ND	4,000	36.00/M	08051A101JAT2A
			100pF	±1%	0.94	478-3732-1-ND **NEW!**	7.70	45.50	131.25	478-3732-2-ND **NEW!**	4,000	126.00/M	08051A101FAT2A
			100pF	±10%	0.94	478-3733-1-ND **NEW!**	2.09	12.35	35.63	478-3733-2-ND **NEW!**	4,000	34.00/M	08051A101KAT2A
			150pF	±5%	0.94	478-1285-1-ND	2.20	13.00	37.50	478-1285-2-ND	4,000	36.00/M	08051A151JAT2A
			150pF	±10%	0.94	478-3734-1-ND **NEW!**	2.86	16.90	48.75	478-3734-2-ND **NEW!**	4,000	47.00/M	08051A151KAT2A
			220pF	±5%	0.94	478-1286-1-ND	2.97	17.55	50.63	478-1286-2-ND	4,000	49.00/M	08051A221JAT2A
			270pF	±5%	0.94	478-3737-1-ND **NEW!**	2.86	16.90	48.75	478-3737-2-ND **NEW!**	4,000	47.00/M	08051A271JAT2A
			330pF	±5%	0.94	478-1287-1-ND	2.20	13.00	37.50	478-1287-2-ND	4,000	36.00/M	08051A331JAT2A
			470pF	±5%	0.94	478-1288-1-ND	2.20	13.00	37.50	478-1288-2-ND	4,000	36.00/M	08051A471JAT2A
			560pF	±5%	0.94	478-3741-1-ND **NEW!**	3.19	18.85	54.38	478-3741-2-ND **NEW!**	4,000	52.00/M	08051A561JAT2A
0805	C0G (NP0)		680pF	±5%	0.94	478-1289-1-ND	2.20	13.00	37.50	478-1289-2-ND	4,000	36.00/M	08051A681JAT2A
			820pF	±5%	0.94	478-3744-1-ND **NEW!**	3.19	18.85	54.38	478-3744-2-ND **NEW!**	4,000	52.00/M	08051A821JAT2A
			1000pF	±5%	0.94	478-1290-1-ND	3.30	19.50	56.25	478-1290-2-ND	4,000	54.00/M	08051A102JAT2A
			.5pF	±.25pF	0.94	478-1291-1-ND	2.20	13.00	37.50	478-1291-2-ND	4,000	36.00/M	08055A0R5CAT2A
			1.0pF	±.25pF	0.94	478-1292-1-ND	2.20	13.00	37.50	478-1292-2-ND	4,000	36.00/M	08055A1R0CAT2A
			1.2pF	±.25pF	0.94	478-1293-1-ND	2.31	13.65	39.38	478-1293-2-ND	4,000	38.00/M	08055A1R2CAT2A
			1.5pF	±.25pF	0.94	478-1294-1-ND	2.20	13.00	37.50	478-1294-2-ND	4,000	36.00/M	08055A1R5CAT2A
			1.8pF	±.25pF	0.94	478-1295-1-ND	2.31	13.65	39.38	478-1295-2-ND	4,000	38.00/M	08055A1R8CAT2A
			2.2pF	±.25pF	0.94	478-1296-1-ND	2.31	13.65	39.38	478-1296-2-ND	4,000	38.00/M	08055A2R2CAT2A
			2.7pF	±.25pF	0.94	478-1297-1-ND	2.31	13.65	39.38	478-1297-2-ND	4,000	38.00/M	08055A2R7CAT2A
			3.3pF	±.25pF	0.94	478-1298-1-ND	2.31	13.65	39.38	478-1298-2-ND	4,000	38.00/M	08055A3R3CAT2A
			3.9pF	±.25pF	0.94	478-1299-1-ND	2.31	13.65	39.38	478-1299-2-ND	4,000	38.00/M	08055A3R9CAT2A
			4.7pF	±.25pF	0.94	478-1300-1-ND	2.31	13.65	39.38	478-1300-2-ND	4,000	38.00/M	08055A4R7CAT2A
			5.6pF	±.25pF	0.94	478-1301-1-ND	2.31	13.65	39.38	478-1301-2-ND	4,000	38.00/M	08055A5R6CAT2A
			6.8pF	±.25pF	0.94	478-1302-1-ND	2.31	13.65	39.38	478-1302-2-ND	4,000	38.00/M	08055A6R8CAT2A
			8.2pF	±.25pF	0.94	478-1303-1-ND	2.31	13.65	39.38	478-1303-2-ND	4,000	38.00/M	08055A8R2CAT2A
			10pF	±5%	0.94	478-1304-1-ND	1.10	6.50	18.75	478-1304-2-ND	4,000	18.00/M	08055A100JAT2A
			12pF	±5%	0.94	478-1305-1-ND	1.10	6.50	18.75	478-1305-2-ND	4,000	18.00/M	08055A120JAT2A
			15pF	±5%	0.94	478-1306-1-ND	1.10	6.50	18.75	478-1306-2-ND	4,000	18.00/M	08055A150JAT2A
			18pF	±5%	0.94	478-1307-1-ND	1.10	6.50	18.75	478-1307-2-ND	4,000	18.00/M	08055A180JAT2A
			22pF	±5%	0.94	478-1308-1-ND	1.10	6.50	18.75	478-1308-2-ND	4,000	18.00/M	08055A220JAT2A
			27pF	±5%	0.94	478-1309-1-ND	1.10	6.50	18.75	478-1309-2-ND	4,000	18.00/M	08055A270JAT2A
			33pF	±5%	0.94	478-1310-1-ND	1.10	6.50	18.75	478-1310-2-ND	4,000	18.00/M	08055A330JAT2A
			39pF	±5%	0.94	478-1311-1-ND	1.10	6.50	18.75	478-1311-2-ND	4,000	18.00/M	08055A390JAT2A
			47pF	±5%	0.94	478-1312-1-ND	1.10	6.50	18.75	478-1312-2-ND	4,000	18.00/M	08055A470JAT2A
			56pF	±5%	0.94	478-1313-1-ND	1.10	6.50	18.75	478-1313-2-ND	4,000	18.00/M	08055A560JAT2A
			68pF	±5%	0.94	478-1314-1-ND	1.10	6.50	18.75	478-1314-2-ND	4,000	18.00/M	08055A680JAT2A
			82pF	±5%	0.94	478-1315-1-ND	1.10	6.50	18.75	478-1315-2-ND	4,000	18.00/M	08055A820JAT2A
			100pF	±5%	0.94	478-1316-1-ND	1.10	6.50	18.75	478-1316-2-ND	4,000	18.00/M	08055A101JAT2A
			120pF	±5%	0.94	478-1317-1-ND	1.10	6.50	18.75	478-1317-2-ND	4,000	18.00/M	08055A121JAT2A
			150pF	±5%	0.94	478-1318-1-ND	1.10	6.50	18.75	478-1318-2-ND	4,000	18.00/M	08055A151JAT2A
			180pF	±5%	0.94	478-1319-1-ND	1.65	9.75	28.13	478-1319-2-ND	4,000	27.00/M	08055A181JAT2A
			220pF	±5%	0.94	478-1320-1-ND	1.10	6.50	18.75	478-1320-2-ND	4,000	18.00/M	08055A221JAT2A
			270pF	±5%	0.94	478-1321-1-ND	2.20	13.00	37.50	478-1321-2-ND	4,000	36.00/M	08055A271JAT2A
			330pF	±5%	0.94	478-1322-1-ND	1.10	6.50	18.75	478-1322-2-ND	4,000	18.00/M	08055A331JAT2A
			330pF	±10%	0.94	478-3765-1-ND **NEW!**	2.42	14.30	41.25	478-3765-2-ND **NEW!**	2,000	40.00/M	08055A331KAT2A

(Continued)

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			390pF	±5%	0.94	478-1323-1-ND	1.32	7.80	22.50	478-1323-2-ND	4,000	22.00/M	08055A391JAT2A
			470pF	±5%	0.94	478-1324-1-ND	1.32	7.80	22.50	478-1324-2-ND	4,000	22.00/M	08055A471JAT2A
			470pF	±1%	0.94	478-3766-1-ND **NEW!**	10.12	59.80	172.50	478-3766-2-ND **NEW!**	4,000	166.00/M	08055A471FAT2A
			470pF	±10%	0.94	478-3767-1-ND **NEW!**	2.42	14.30	41.25	478-3767-2-ND **NEW!**	4,000	40.00/M	08055A471KAT2A
			560pF	±5%	0.94	478-1325-1-ND	1.65	9.75	28.13	478-1325-2-ND	4,000	27.00/M	08055A561JAT2A
			680pF	±5%	0.94	478-1326-1-ND	2.20	13.00	37.50	478-1326-2-ND	4,000	36.00/M	08055A681JAT2A
			820pF	±5%	0.94	478-1327-1-ND	1.65	9.75	28.13	478-1327-2-ND	4,000	27.00/M	08055A821JAT2A
		50V	1000pF	±5%	0.94	478-1328-1-ND	2.20	13.00	37.50	478-1328-2-ND	4,000	36.00/M	08055A102JAT2A
	C0G (NP0)		1000pF	±1%	0.94	478-3759-1-ND **NEW!**	10.12	59.80	172.50	478-3759-2-ND **NEW!**	4,000	166.00/M	08055A102FAT2A
			1000pF	±2%	0.94	478-3760-1-ND **NEW!**	7.15	42.25	121.88	478-3760-2-ND **NEW!**	4,000	117.00/M	08055A102GAT2A
			1000pF	±10%	0.94	478-3761-1-ND **NEW!**	3.85	22.75	65.63	478-3761-2-ND **NEW!**	4,000	63.00/M	08055A102KAT2A
			1200pF	±5%	0.94	478-3762-1-ND **NEW!**	4.51	26.65	76.88	478-3762-2-ND **NEW!**	4,000	74.00/M	08055A122JAT2A
			1500pF	±5%	0.94	478-1329-1-ND	2.97	17.55	50.63	478-1329-2-ND	4,000	49.00/M	08055A152JAT2A
			1800pF	±5%	0.94	478-3763-1-ND **NEW!**	4.51	26.65	76.88	478-3763-2-ND **NEW!**	4,000	74.00/M	08055A182JAT2A
			2200pF	±5%	1.27	478-1330-1-ND	2.97	17.55	50.63	478-1330-2-ND	2,000	49.00/M	08055A222JAT2A
			2700pF	±5%	1.27	478-3764-1-ND **NEW!**	4.84	28.60	82.50	478-3764-2-ND **NEW!**	2,000	79.00/M	08055A272JAT2A
		25V	2200pF	±5%	0.94	478-3753-1-ND **NEW!**	2.53	14.95	43.13	478-3753-2-ND **NEW!**	4,000	41.00/M	08053A222JAT2A
			2700pF	±5%	0.94	478-3754-1-ND **NEW!**	2.53	14.95	43.13	478-3754-2-ND **NEW!**	4,000	41.00/M	08053A272JAT2A
			220pF	±10%	0.71	478-1335-1-ND	8.25	48.75	140.63	478-1335-2-ND	4,000	135.00/M	08052C221KAT2A
			330pF	±10%	0.94	478-1336-1-ND	3.85	22.75	65.63	478-1336-2-ND	4,000	63.00/M	08052C331KAT2A
			470pF	±10%	0.94	478-1337-1-ND	3.85	22.75	65.63	478-1337-2-ND	4,000	63.00/M	08052C471KAT2A
			470pF	±5%	0.94	478-3752-1-ND **NEW!**	4.95	29.25	84.38	478-3752-2-ND **NEW!**	4,000	81.00/M	08052C471JAT2A
			680pF	±10%	0.94	478-1338-1-ND	3.85	22.75	65.63	478-1338-2-ND	4,000	63.00/M	08052C681KAT2A
			1000pF	±10%	0.94	478-1339-1-ND	8.25	48.75	140.63	478-1339-2-ND	4,000	135.00/M	08052C102KAT2A
			1000pF	±5%	0.94	478-3750-1-ND **NEW!**	4.95	29.25	84.38	478-3750-2-ND **NEW!**	4,000	81.00/M	08052C102JAT2A
		200V	1000pF	±20%	0.94	478-3751-1-ND **NEW!**	3.58	21.13	60.94	478-3751-2-ND **NEW!**	4,000	59.00/M	08052C102MAT2A
			1500pF	±10%	0.94	478-1340-1-ND	8.80	52.00	150.00	478-1340-2-ND	4,000	144.00/M	08052C152KAT2A
			2200pF	±10%	0.94	478-1341-1-ND	3.85	22.75	65.63	478-1341-2-ND	4,000	63.00/M	08052C222KAT2A
			3300pF	±10%	0.94	478-1342-1-ND	3.85	22.75	65.63	478-1342-2-ND	4,000	63.00/M	08052C332KAT2A
			4700pF	±10%	0.94	478-1343-1-ND	3.85	22.75	65.63	478-1343-2-ND	4,000	63.00/M	08052C472KAT2A
			6800pF	±10%	0.94	478-1344-1-ND	6.60	39.00	112.50	478-1344-2-ND	4,000	108.00/M	08052C682KAT2A
			10000pF	±10%	0.94	478-1345-1-ND	12.10	71.50	206.25	478-1345-2-ND	4,000	198.00/M	08052C103KAT2A
			15000pF	±10%	0.94	478-1346-1-ND	14.30	84.50	243.75	478-1346-2-ND	4,000	234.00/M	08052C153KAT2A
			22000pF	±10%	1.40	478-1347-1-ND	4.68	27.63	79.69	478-1347-2-ND	2,000	77.00/M	08052C223KAT2A
			220pF	±10%	0.71	478-1348-1-ND	1.10	6.50	18.75	478-1348-2-ND	4,000	18.00/M	08051C221KAT2A
			330pF	±10%	0.71	478-1349-1-ND	1.10	6.50	18.75	478-1349-2-ND	4,000	18.00/M	08051C331KAT2A
			470pF	±10%	0.71	478-1350-1-ND	1.10	6.50	18.75	478-1350-2-ND	4,000	18.00/M	08051C471KAT2A
			680pF	±10%	0.71	478-1351-1-ND	1.10	6.50	18.75	478-1351-2-ND	4,000	18.00/M	08051C681KAT2A
			1000pF	±10%	0.71	478-1352-1-ND	1.10	6.50	18.75	478-1352-2-ND	4,000	18.00/M	08051C102KAT2A
			1500pF	±10%	0.71	478-1353-1-ND	1.10	6.50	18.75	478-1353-2-ND	4,000	18.00/M	08051C152KAT2A
			2200pF	±10%	0.71	478-1354-1-ND	1.10	6.50	18.75	478-1354-2-ND	4,000	18.00/M	08051C222KAT2A
			2200pF	±5%	0.94	478-3746-1-ND **NEW!**	3.19	18.85	54.38	478-3746-2-ND **NEW!**	4,000	52.00/M	08051C222JAT2A
			2700pF	±5%	0.94	478-3748-1-ND **NEW!**	3.19	18.85	54.38	478-3748-2-ND **NEW!**	4,000	52.00/M	08051C272JAT2A
			3300pF	±10%	0.71	478-1355-1-ND	1.10	6.50	18.75	478-1355-2-ND	4,000	18.00/M	08051C332KAT2A
		100V	3300pF	±5%	0.94	478-3749-1-ND **NEW!**	3.19	18.85	54.38	478-3749-2-ND **NEW!**	4,000	52.00/M	08051C332JAT2A
			4700pF	±10%	0.94	478-1356-1-ND	1.10	6.50	18.75	478-1356-2-ND	4,000	18.00/M	08051C472KAT2A
			6800pF	±10%	0.94	478-1357-1-ND	1.10	6.50	18.75	478-1357-2-ND	4,000	18.00/M	08051C682KAT2A
			10000pF	±5%	0.94	478-3745-1-ND **NEW!**	3.19	18.85	54.38	478-3745-2-ND **NEW!**	4,000	52.00/M	08051C103JAT2A
			22000pF	±5%	0.94	478-3747-1-ND **NEW!**	3.63	21.45	61.88	478-3747-2-ND **NEW!**	4,000	59.00/M	08051C223JAT2A
			10000pF	±10%	0.94	478-1358-1-ND	1.10	6.50	18.75	478-1358-2-ND	4,000	18.00/M	08051C103KAT2A
			15000pF	±10%	0.94	478-1359-1-ND	2.64	15.60	45.00	478-1359-2-ND	4,000	43.00/M	08051C153KAT2A
			22000pF	±10%	0.94	478-1360-1-ND	2.64	15.60	45.00	478-1360-2-ND	4,000	43.00/M	08051C223KAT2A
			33000pF	±10%	1.27	478-1361-1-ND	3.63	21.45	61.88	478-1361-2-ND	2,000	59.00/M	08051C333KAT2A
0805			47000pF	±10%	1.27	478-1362-1-ND	3.63	21.45	61.88	478-1362-2-ND	2,000	59.00/M	08051C473KAT2A
			220pF	±10%	0.71	478-1363-1-ND	2.31	13.65	39.38	478-1363-2-ND	4,000	38.00/M	08055C221KAT2A
			270pF	±10%	0.71	478-1364-1-ND	2.31	13.65	39.38	478-1364-2-ND	4,000	38.00/M	08055C271KAT2A
			330pF	±10%	0.71	478-1365-1-ND	2.31	13.65	39.38	478-1365-2-ND	4,000	38.00/M	08055C331KAT2A
			390pF	±10%	0.71	478-1366-1-ND	2.31	13.65	39.38	478-1366-2-ND	4,000	38.00/M	08055C391KAT2A
			470pF	±10%	0.71	478-1367-1-ND	2.31	13.65	39.38	478-1367-2-ND	4,000	38.00/M	08055C471KAT2A
			560pF	±10%	0.71	478-1368-1-ND	2.31	13.65	39.38	478-1368-2-ND	4,000	38.00/M	08055C561KAT2A
			680pF	±10%	0.71	478-1369-1-ND	2.31	13.65	39.38	478-1369-2-ND	4,000	38.00/M	08055C681KAT2A
			820pF	±10%	0.71	478-1370-1-ND	2.31	13.65	39.38	478-1370-2-ND	4,000	38.00/M	08055C821KAT2A
			1000pF	±10%	0.71	478-1371-1-ND	1.10	6.50	18.75	478-1371-2-ND	4,000	18.00/M	08055C102KAT2A
		X7R	1200pF	±10%	0.71	478-1372-1-ND	1.10	6.50	18.75	478-1372-2-ND	4,000	18.00/M	08055C122KAT2A
			1500pF	±10%	0.71	478-1373-1-ND	1.10	6.50	18.75	478-1373-2-ND	4,000	18.00/M	08055C152KAT2A
			1800pF	±10%	0.71	478-1374-1-ND	1.10	6.50	18.75	478-1374-2-ND	4,000	18.00/M	08055C182KAT2A
			2200pF	±10%	0.71	478-1375-1-ND	1.10	6.50	18.75	478-1375-2-ND	4,000	18.00/M	08055C222KAT2A
			2700pF	±10%	0.71	478-1376-1-ND	2.20	13.00	37.50	478-1376-2-ND	4,000	36.00/M	08055C272KAT2A
			3300pF	±10%	0.71	478-1377-1-ND	1.10	6.50	18.75	478-1377-2-ND	4,000	18.00/M	08055C332KAT2A
			3900pF	±10%	0.71	478-1378-1-ND	2.20	13.00	37.50	478-1378-2-ND	4,000	36.00/M	08055C392KAT2A
			4700pF	±10%	0.71	478-1379-1-ND	1.10	6.50	18.75	478-1379-2-ND	4,000	18.00/M	08055C472KAT2A
			4700pF	±5%	0.94	478-3770-1-ND **NEW!**	3.19	18.85	54.38	478-3770-2-ND **NEW!**	4,000	52.00/M	08055C472JAT2A
			5600pF	±10%	0.71	478-1380-1-ND	2.20	13.00	37.50	478-1380-2-ND	4,000	36.00/M	08055C562KAT2A
			6800pF	±10%	0.71	478-1381-1-ND	2.20	13.00	37.50	478-1381-2-ND	4,000	36.00/M	08055C682KAT2A
		50V	6800pF	±5%	0.94	478-3772-1-ND **NEW!**	3.19	18.85	54.38	478-3772-2-ND **NEW!**	4,000	52.00/M	08055C682JAT2A
			8200pF	±10%	0.71	478-1382-1-ND	2.31	13.65	39.38	478-1382-2-ND	3,000	38.00/M	08055C822KAT2A
			10000pF	±5%	0.94	478-3768-1-ND **NEW!**	3.19	18.85	54.38	478-3768-2-ND **NEW!**	4,000	52.00/M	08055C103JAT2A
			10000pF	±10%	0.71	478-1383-1-ND	1.10	6.50	18.75	478-1383-2-ND	4,000	18.00/M	08055C103KAT2A
			12000pF	±10%	0.94	478-1384-1-ND	1.10	6.50	18.75	478-1384-2-ND	4,000	18.00/M	08055C123KAT2A
			15000pF	±10%	0.94	478-1385-1-ND	2.20	13.00	37.50	478-1385-2-ND	4,000	36.00/M	08055C 153KAT2A
			18000pF	±10%	0.94	478-1386-1-ND	2.20	13.00	37.50	478-1386-2-ND	4,000	36.00/M	08055C183KAT2A
			22000pF	±10%	0.94	478-1387-1-ND	1.10	6.50	18.75	478-1387-2-ND	4,000	18.00/M	08055C223KAT2A
			27000pF	±10%	0.94	478-1388-1-ND	1.10	6.50	18.75	478-1388-2-ND	4,000	18.00/M	08055C273KAT2A
			33000pF	±5%	0.94	478-3769-1-ND **NEW!**	3.63	21.45	61.88	478-3769-2-ND **NEW!**	4,000	59.00/M	08055C333JAT2A
			33000pF	±10%	0.94	478-1389-1-ND	2.20	13.00	37.50	478-1389-2-ND	4,000	36.00/M	08055C333KAT2A
			39000pF	±10%	0.94	478-1390-1-ND	1.10	6.50	18.75	478-1390-2-ND	4,000	18.00/M	08055C393KAT2A
			47000pF	±10%	0.94	478-1391-1-ND	1.10	6.50	18.75	478-1391-2-ND	4,000	18.00/M	08055C473KAT2A
			47000pF	±5%	0.94	478-3771-1-ND **NEW!**	3.63	21.45	61.88	478-3771-2-ND **NEW!**	4,000	59.00/M	08055C473JAT2A
			56000pF	±10%	0.94	478-1392-1-ND	1.10	6.50	18.75	478-1392-2-ND	4,000	18.00/M	08055C563KAT2A
			68000pF	±10%	0.94	478-1393-1-ND	1.10	6.50	18.75	478-1393-2-ND	4,000	18.00/M	08055C683KAT2A
			82000pF	±10%	0.94	478-1394-1-ND	1.10	6.50	18.75	478-1394-2-ND	4,000	18.00/M	08055C823KAT2A
			.10µF	±10%	0.94	478-1395-1-ND	1.10	6.50	18.75	478-1395-2-ND	4,000	18.00/M	08055C104KAT2A
			.10µF	±20%	0.94	478-3351-1-ND	.96	5.36	33.00	478-3351-2-ND	4,000	37.00/M	08055C104MAT2A
			.10µF	±5%	0.94	478-3352-1-ND	1.44	12.54	49.50	478-3352-2-ND	4,000	56.00/M	08055C104JAT2A
			.12µF	±10%	1.27	478-1396-1-ND	2.20	13.00	37.50	478-1396-2-ND	2,000	36.00/M	08055C124KAT2A
			.10µF	±10%	0.94	478-3755-1-ND **NEW!**	2.64	15.60	45.00	478-3755-2-ND **NEW!**	4,000	43.00/M	08053C104KAT2A
			.15µF	±10%	0.94	478-1397-1-ND	2.20	13.00	37.50	478-1397-2-ND	4,000	36.00/M	08053C154KAT2A
			.18µF	±10%	0.94	478-1398-1-ND	2.20	13.00	37.50	478-1398-2-ND	2,000	36.00/M	08053C184KAT2A
		25V	.22µF	±10%	0.94	478-1399-1-ND	2.20	13.00	37.50	478-1399-2-ND	2,000	36.00/M	08053C224KAT2A
			.22µF	±5%	1.40	478-3756-1-ND **NEW!**	9.24	54.60	157.50	478-3756-2-ND **NEW!**	2,000	151.00/M	08053C224JAT2A
			.22µF	±20%	1.40	478-3757-1-ND **NEW!**	2.75	16.25	46.88	478-3757-2-ND **NEW!**	2,000	45.00/M	08053C224MAT2A
			.22µF	±10%	0.94	478-1400-1-ND	1.65	9.75	28.13	478-1400-2-ND	4,000	27.00/M	0805YC224KAT2A
			.22µF	±5%	0.94	478-3773-1-ND **NEW!**	8.14	48.10	138.75	478-3773-2-ND **NEW!**	4,000	133.00/M	0805YC224JAT2A
			.27µF	±10%	1.27	478-1401-1-ND	4.40	26.00	75.00	478-1401-2-ND	2,000	72.00/M	0805YC274KAT2A
			.33µF	±10%	1.27	478-1402-1-ND	4.40	26.00	75.00	478-1402-2-ND	2,000	72.00/M	0805YC334KAT2A
			.47µF	±10%	1.27	478-1403-1-ND	4.40	26.00	75.00	478-1403-2-ND	2,000	72.00/M	0805YC474KAT2A
		16V	.47µF	±5%	1.40	478-3774-1-ND **NEW!**	9.24	54.60	157.50	478-3774-2-ND **NEW!**	2,000	151.00/M	0805YC474JAT2A

(Continued)

Size Code	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
			.68µF	±10%	1.40	478-1404-1-ND	6.60	39.00	112.50	478-1404-2-ND	2,000	108.00/M	08052C684KAT2A
	X7R	10V	1.0µF	±10%	1.40	478-1405-1-ND	11.00	65.00	187.50	478-1405-2-ND	2,000	180.00/M	08052C105KAT2A
			1.0µF	±20%	1.40	478-3775-1-ND **NEW!**	13.20	78.00	225.00	478-3775-2-ND **NEW!**	2,000	216.00/M	08052C105MAT2A
			1000pF	±10%	.94	478-3608-1-ND **NEW!**	3.30	19.50	56.25	478-3608-2-ND **NEW!**	4,000	54.00/M	08055F102K4T2A
			2200pF	±10%	.94	478-3615-1-ND **NEW!**	5.06	29.90	86.25	478-3615-2-ND **NEW!**	4,000	83.00/M	08055F222K4T2A
			10000pF	±10%	.94	478-3609-1-ND **NEW!**	3.30	19.50	56.25	478-3609-2-ND **NEW!**	4,000	54.00/M	08055F103K4T2A
	X8R	50V	22000pF	±10%	.94	478-3610-1-ND **NEW!**	5.06	29.90	86.25	478-3610-2-ND **NEW!**	4,000	83.00/M	08055F223K4T2A
			33000pF	±10%	.94	478-3611-1-ND **NEW!**	5.06	29.90	86.25	478-3611-2-ND **NEW!**	4,000	83.00/M	08055F333K4T2A
			47000pF	±10%	.94	478-3612-1-ND **NEW!**	5.06	29.90	86.25	478-3612-2-ND **NEW!**	4,000	83.00/M	08055F473K4T2A
			68000pF	±10%	1.40	478-3613-1-ND **NEW!**	5.06	29.90	86.25	478-3613-2-ND **NEW!**	4,000	83.00/M	08055F683K4T2A
			100µF	±10%	1.40	478-3614-1-ND **NEW!**	6.16	36.40	105.00	478-3614-2-ND **NEW!**	2,000	101.00/M	08055F104K4T2A
			.33µF	±10%	1.40	478-1406-1-ND	8.69	51.35	148.13	478-1406-2-ND	3,000	142.00/M	08053D334KAT2A
			.47µF	±10%	1.40	478-1407-1-ND	8.69	51.35	148.13	478-1407-2-ND	3,000	142.00/M	08053D474KAT2A
		25V	.68µF	±10%	1.40	478-1408-1-ND	8.69	51.35	148.13	478-1408-2-ND	3,000	142.00/M	08053D684KAT2A
			1.0µF	±10%	1.40	478-1409-1-ND	12.10	71.50	206.25	478-1409-2-ND	3,000	198.00/M	08053D105KAT2A
			.68µF	±10%	1.40	478-1410-1-ND	3.85	22.75	65.63	478-1410-2-ND	3,000	63.00/M	0805YD684KAT2A
		16V	1.0µF	±10%	1.40	478-1411-1-ND	2.75	16.25	46.88	478-1411-2-ND	3,000	45.00/M	0805YD105KAT2A
			2.2µF	±10%	1.40	478-2580-1-ND	9.90	58.50	168.75	478-2580-2-ND	3,000	162.00/M	0805YD225KAT2A
	X5R		1.0µF	±10%	1.40	478-1412-1-ND	4.40	26.00	75.00	478-1412-2-ND	2,000	72.00/M	0805ZD105KAT2A
			2.2µF	±10%	1.40	478-1413-1-ND	4.40	26.00	75.00	478-1413-2-ND	3,000	72.00/M	0805ZD225KAT2A
0805		10V	3.3µF	±10%	1.40	478-1414-1-ND	6.60	39.00	112.50	478-1414-2-ND	3,000	108.00/M	0805ZD335KAT2A
			4.7µF	±10%	1.40	478-1415-1-ND	7.15	42.25	121.88	478-1415-2-ND	3,000	117.00/M	0805ZD475KAT2A
			4.7µF	±10%	1.40	478-1416-1-ND	6.05	35.75	103.13	478-1416-2-ND	3,000	99.00/M	08056D475KAT2A
			10µF	±20%	1.40	478-3648-1-ND **NEW!**	11.00	65.00	187.50	478-3648-2-ND **NEW!**	3,000	180.00/M	08056D106MAT2A
		6.3V	10µF	±10%	1.40	478-1417-1-ND	11.00	65.00	187.50	478-1417-2-ND	3,000	180.00/M	08056D106KAT2A
			22µF	±20%	1.40	478-3647-1-ND **NEW!**	15.40	91.00	262.50	478-3647-2-ND **NEW!**	3,000	252.00/M	08056D226MAT2A
			10000pF	+80 -20%	0.71	478-1418-1-ND	1.10	6.50	18.75	478-1418-2-ND	4,000	18.00/M	08055G103ZAT2A
			22000pF	+80 -20%	0.71	478-1419-1-ND	1.10	6.50	18.75	478-1419-2-ND	4,000	18.00/M	08055G223ZAT2A
		50V	47000pF	+80 -20%	0.71	478-1420-1-ND	1.10	6.50	18.75	478-1420-2-ND	4,000	18.00/M	08055G473ZAT2A
			.10µF	+80 -20%	0.71	478-1421-1-ND	1.10	6.50	18.75	478-1421-2-ND	4,000	18.00/M	08055G104ZAT2A
			.22µF	+80 -20%	0.94	478-1422-1-ND	1.65	9.75	28.13	478-1422-2-ND	4,000	27.00/M	08055G224ZAT2A
			.10µF	+80 -20%	0.71	478-1423-1-ND	1.10	6.50	18.75	478-1423-2-ND	4,000	18.00/M	08053G104ZAT2A
	Y5V	25V	.22µF	+80 -20%	0.94	478-1424-1-ND	1.65	9.75	28.13	478-1424-2-ND	4,000	27.00/M	08053G224ZAT2A
			.33µF	+80 -20%	1.40	478-3758-1-ND **NEW!**	7.04	41.60	120.00	478-3758-2-ND **NEW!**	3,000	115.00/M	08053G334ZAT2A
			.47µF	+80 -20%	1.40	478-1425-1-ND	2.20	13.00	37.50	478-1425-2-ND	3,000	36.00/M	08053G474ZAT2A
			1.0µF	+80 -20%	1.40	478-1426-1-ND	3.30	19.50	56.25	478-1426-2-ND	3,000	54.00/M	08053G105ZAT2A
		16V	1.0µF	+80 -20%	1.40	478-1427-1-ND	5.50	32.50	93.75	478-1427-2-ND	3,000	90.00/M	0805YG105ZAT2A
			2.2µF	+80 -20%	1.40	478-1428-1-ND	7.15	42.25	121.88	478-1428-2-ND	3,000	117.00/M	0805YG225ZAT2A
		10V	4.7µF	+80 -20%	1.52	478-1429-1-ND	9.35	55.25	159.38	478-1429-2-ND	3,000	153.00/M	0805ZG475ZAT2A
		1000V	47pF	±10%	1.52	478-2949-1-ND	16.50	97.50	281.25	478-2949-2-ND	2,000	270.00/M	1206AA470KAT1A
			470pF	±5%	1.52	478-2950-1-ND	19.80	117.00	337.50	478-2950-2-ND	2,000	324.00/M	1206AA471JAT1A
		500V	100pF	±5%	.94	478-3803-1-ND **NEW!**	13.20	78.00	225.00	478-3803-2-ND **NEW!**	4,000	216.00/M	12067A101JAT2A
			470pF	±5%	1.27	478-3804-1-ND **NEW!**	16.50	97.50	281.25	478-3804-2-ND **NEW!**	2,000	270.00/M	12067A471JAT2A
			100pF	±5%	0.94	478-1430-1-ND	4.13	24.38	70.31	478-1430-2-ND	4,000	68.00/M	12062A101JAT2A
			150pF	±5%	0.94	478-1431-1-ND	4.51	26.65	76.88	478-1431-2-ND	4,000	74.00/M	12062A151JAT2A
			220pF	±5%	0.94	478-1432-1-ND	4.51	26.65	76.88	478-1432-2-ND	4,000	74.00/M	12062A221JAT2A
		200V	330pF	±5%	0.94	478-1433-1-ND	4.51	26.65	76.88	478-1433-2-ND	4,000	74.00/M	12062A331JAT2A
			470pF	±5%	0.94	478-1434-1-ND	8.25	48.75	140.63	478-1434-2-ND	4,000	135.00/M	12062A471JAT2A
			680pF	±5%	0.94	478-1435-1-ND	8.25	48.75	140.63	478-1435-2-ND	4,000	135.00/M	12062A681JAT2A
			1000pF	±5%	1.78	478-1436-1-ND	8.25	48.75	140.63	478-1436-2-ND	2,000	135.00/M	12062A102JAT2A
			1500pF	±5%	1.78	478-1437-1-ND	5.01	29.58	85.31	478-1437-2-ND	2,000	82.00/M	12062A152JAT2A
			10pF	±5%	0.94	478-1438-1-ND	7.70	45.50	131.25	478-1438-2-ND	4,000	126.00/M	12061A100JAT2A
			10pF	±10%	0.94	478-3776-1-ND **NEW!**	3.52	20.80	60.00	478-3776-2-ND **NEW!**	4,000	58.00/M	12061A100KAT2A
			15pF	±5%	0.94	478-1439-1-ND	7.70	45.50	131.25	478-1439-2-ND	4,000	126.00/M	12061A150JAT2A
			22pF	±5%	0.94	478-1440-1-ND	7.70	45.50	131.25	478-1440-2-ND	4,000	126.00/M	12061A220JAT2A
			22pF	±10%	0.94	478-3779-1-ND **NEW!**	3.52	20.80	60.00	478-3779-2-ND **NEW!**	4,000	58.00/M	12061A220KAT2A
			33pF	±5%	0.94	478-1441-1-ND	7.70	45.50	131.25	478-1441-2-ND	4,000	126.00/M	12061A330JAT2A
			47pF	±5%	0.94	478-1442-1-ND	7.70	45.50	131.25	478-1442-2-ND	4,000	126.00/M	12061A470JAT2A
			68pF	±5%	0.94	478-1443-1-ND	3.52	20.80	60.00	478-1443-2-ND	4,000	58.00/M	12061A680JAT2A
			100pF	±5%	0.94	478-1444-1-ND	7.70	45.50	131.25	478-1444-2-ND	4,000	126.00/M	12061A101JAT2A
			100pF	±10%	0.94	478-3777-1-ND **NEW!**	3.52	20.80	60.00	478-3777-2-ND **NEW!**	4,000	58.00/M	12061A101KAT2A
		100V	150pF	±5%	0.94	478-1445-1-ND	8.25	48.75	140.63	478-1445-2-ND	4,000	135.00/M	12061A151JAT2A
			220pF	±5%	0.94	478-1446-1-ND	8.25	48.75	140.63	478-1446-2-ND	4,000	135.00/M	12061A221JAT2A
			220pF	±10%	0.94	478-3780-1-ND **NEW!**	3.52	20.80	60.00	478-3780-2-ND **NEW!**	4,000	58.00/M	12061A221KAT2A
			330pF	±5%	0.94	478-1447-1-ND	8.80	52.00	150.00	478-1447-2-ND	4,000	144.00/M	12061A331JAT2A
			470pF	±5%	0.94	478-1448-1-ND	8.80	52.00	150.00	478-1448-2-ND	4,000	144.00/M	12061A471JAT2A
			470pF	±10%	0.94	478-3781-1-ND **NEW!**	4.07	24.05	69.38	478-3781-2-ND **NEW!**	4,000	67.00/M	12061A471KAT2A
			680pF	±5%	0.94	478-1449-1-ND	5.13	30.29	87.38	478-1449-2-ND	4,000	84.00/M	12061A681JAT2A
			1000pF	±5%	0.94	478-1450-1-ND	8.80	52.00	150.00	478-1450-2-ND	4,000	144.00/M	12061A102JAT2A
			1000pF	±1%	0.94	478-3778-1-ND **NEW!**	11.00	65.00	187.50	478-3778-2-ND **NEW!**	4,000	180.00/M	12061A102FAT2A
			1500pF	±5%	1.27	478-1451-1-ND	6.93	40.95	118.13	478-1451-2-ND	2,000	113.00/M	12061A152JAT2A
			2200pF	±5%	1.52	478-1452-1-ND	6.93	40.95	118.13	478-1452-2-ND	2,000	113.00/M	12061A222JAT2A
			3300pF	±5%	1.52	478-1453-1-ND	6.93	40.95	118.13	478-1453-2-ND	2,000	113.00/M	12061A332JAT2A
1206	C0G (NP0)		5pF	±.25pF	0.94	478-1455-1-ND	3.52	20.80	60.00	478-1455-2-ND	4,000	58.00/M	12065A0R5CAT2A
			1.0pF	±.25pF	0.94	478-1456-1-ND	3.52	20.80	60.00	478-1456-2-ND	4,000	58.00/M	12065A1R0CAT2A
			1.2pF	±.25pF	0.94	478-1457-1-ND	3.52	20.80	60.00	478-1457-2-ND	4,000	58.00/M	12065A1R2CAT2A
			1.5pF	±.25pF	0.94	478-1458-1-ND	3.52	20.80	60.00	478-1458-2-ND	4,000	58.00/M	12065A1R5CAT2A
			1.8pF	±.25pF	0.94	478-1459-1-ND	3.52	20.80	60.00	478-1459-2-ND	4,000	58.00/M	12065A1R8CAT2A
			2.2pF	±.25pF	0.94	478-1460-1-ND	3.52	20.80	60.00	478-1460-2-ND	4,000	58.00/M	12065A2R2CAT2A
			2.7pF	±.25pF	0.94	478-1461-1-ND	3.52	20.80	60.00	478-1461-2-ND	4,000	58.00/M	12065A2R7CAT2A
			3.3pF	±.25pF	0.94	478-1462-1-ND	3.52	20.80	60.00	478-1462-2-ND	4,000	58.00/M	12065A3R3CAT2A
			3.9pF	±.25pF	0.94	478-1463-1-ND	3.52	20.80	60.00	478-1463-2-ND	4,000	58.00/M	12065A3R9CAT2A
			4.7pF	±.25pF	0.94	478-1464-1-ND	3.52	20.80	60.00	478-1464-2-ND	4,000	58.00/M	12065A4R7CAT2A
			5.6pF	±.25pF	0.94	478-1465-1-ND	3.52	20.80	60.00	478-1465-2-ND	4,000	58.00/M	12065A5R6CAT2A
			6.8pF	±.25pF	0.94	478-1466-1-ND	3.52	20.80	60.00	478-1466-2-ND	4,000	58.00/M	12065A6R8CAT2A
			8.2pF	±.25pF	0.94	478-1467-1-ND	3.52	20.80	60.00	478-1467-2-ND	4,000	58.00/M	12065A8R2CAT2A
			10pF	±5%	0.94	478-1468-1-ND	4.18	24.70	71.25	478-1468-2-ND	4,000	68.00/M	12065A100JAT2A
			12pF	±5%	0.94	478-1469-1-ND	4.18	24.70	71.25	478-1469-2-ND	4,000	68.00/M	12065A120JAT2A
			15pF	±5%	0.94	478-1470-1-ND	4.18	24.70	71.25	478-1470-2-ND	4,000	68.00/M	12065A150JAT2A
			18pF	±5%	0.94	478-1471-1-ND	4.18	24.70	71.25	478-1471-2-ND	4,000	68.00/M	12065A180JAT2A
		50V	22pF	±5%	0.94	478-1472-1-ND	3.70	21.84	63.00	478-1472-2-ND	4,000	60.00/M	12065A220JAT2A
			27pF	±5%	0.94	478-1473-1-ND	4.18	24.70	71.25	478-1473-2-ND	4,000	68.00/M	12065A270JAT2A
			33pF	±5%	0.94	478-1474-1-ND	4.18	24.70	71.25	478-1474-2-ND	4,000	68.00/M	12065A330JAT2A
			39pF	±5%	0.94	478-1475-1-ND	4.18	24.70	71.25	478-1475-2-ND	4,000	68.00/M	12065A390JAT2A
			47pF	±5%	0.94	478-1476-1-ND	4.18	24.70	71.25	478-1476-2-ND	4,000	68.00/M	12065A470JAT2A
			56pF	±5%	0.94	478-1477-1-ND	4.18	24.70	71.25	478-1477-2-ND	4,000	68.00/M	12065A560JAT2A
			68pF	±5%	0.94	478-1478-1-ND	4.18	24.70	71.25	478-1478-2-ND	4,000	68.00/M	12065A680JAT2A
			82pF	±5%	0.94	478-1479-1-ND	4.18	24.70	71.25	478-1479-2-ND	4,000	68.00/M	12065A820JAT2A
			100pF	±5%	0.94	478-1480-1-ND	4.18	24.70	71.25	478-1480-2-ND	4,000	68.00/M	12065A101JAT2A
			120pF	±5%	0.94	478-1481-1-ND	4.18	24.70	71.25	478-1481-2-ND	4,000	68.00/M	12065A121JAT2A
			150pF	±5%	0.94	478-1482-1-ND	5.17	30.55	88.13	478-1482-2-ND	4,000	85.00/M	12065A151JAT2A
			180pF	±5%	0.94	478-1483-1-ND	5.13	30.29	87.38	478-1483-2-ND	2,500	84.00/M	12065A181JAT2A
			220pF	±5%	0.94	478-1484-1-ND	5.17	30.55	88.13	478-1484-2-ND	4,000	85.00/M	12065A221JAT2A
			270pF	±5%	0.94	478-1485-1-ND	5.13	30.29	87.38	478-1485-2-ND	4,000	84.00/M	12065A271JAT2A
			330pF	±5%	0.94	478-1486-1-ND	5.17	30.55	88.13	478-1486-2-ND	4,000	85.00/M	12065A331JAT2A
			390pF	±5%	0.94	478-1487-1-ND	5.13	30.29	87.38	478-1487-2-ND	4,000	84.00/M	12065A391JAT2A

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e	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
			470pF	±5%	0.94	478-1488-1-ND	5.13	30.29	87.38	478-1488-2-ND	4,000	84.00/M	12065A471JAT2A
			560pF	±5%	0.94	478-1489-1-ND	5.13	30.29	87.38	478-1489-2-ND	4,000	84.00/M	12065A561JAT2A
			680pF	±5%	0.94	478-1490-1-ND	5.13	30.29	87.38	478-1490-2-ND	4,000	84.00/M	12065A681JAT2A
			820pF	±5%	0.94	478-1491-1-ND	5.13	30.29	87.38	478-1491-2-ND	4,000	84.00/M	12065A821JAT2A
			1000pF	±5%	0.94	478-1492-1-ND	5.13	30.29	87.38	478-1492-2-ND	4,000	84.00/M	12065A102JAT2A
			1000pF	±10%	0.94	478-3795-1-ND **NEW!**	5.13	30.29	87.38	478-3795-2-ND **NEW!**	4,000	84.00/M	12065A102KAT2A
			1200pF	±5%	0.94	478-1493-1-ND	5.49	32.44	93.56	478-1493-2-ND	4,000	90.00/M	12065A122JAT2A
	C0G (NP0)	50V	1500pF	±5%	0.94	478-1494-1-ND	5.49	32.44	93.56	478-1494-2-ND	4,000	90.00/M	12065A152JAT2A
			1800pF	±5%	1.27	478-1495-1-ND	6.60	39.00	112.50	478-1495-2-ND	2,000	108.00/M	12065A182JAT2A
			2200pF	±5%	1.27	478-1496-1-ND	5.86	34.65	99.94	478-1496-2-ND	2,000	96.00/M	12065A222JAT2A
			2200pF	±1%	1.27	478-3796-1-ND **NEW!**	19.47	115.05	331.88	478-3796-2-ND **NEW!**	2,000	319.00/M	12065A222FAT2A
			2700pF	±5%	1.27	478-1497-1-ND	5.86	34.65	99.94	478-1497-2-ND	2,000	96.00/M	12065A272JAT2A
			3300pF	±5%	1.27	478-1498-1-ND	5.86	34.65	99.94	478-1498-2-ND	2,000	96.00/M	12065A332JAT2A
			3900pF	±5%	1.27	478-1499-1-ND	5.86	34.65	99.94	478-1499-2-ND	2,000	96.00/M	12065A392JAT2A
			5600pF	±5%	1.27	478-1501-1-ND	6.93	40.95	118.13	—	—	—	12065A562JAT2A
		25V	8200pF	±5%	1.27	478-1503-1-ND	9.35	55.25	159.38	—	—	—	12063A822JAT2A
			470pF	±10%	1.52	478-2957-1-ND	16.50	97.50	281.25	478-2957-2-ND	2,000	270.00/M	12066G471KAT1A
		2000V	1000pF	±10%	1.52	478-2956-1-ND	16.50	97.50	281.25	478-2956-2-ND	2,000	270.00/M	12066G102KAT1A
			100pF	±10%	1.52	478-2951-1-ND	16.50	97.50	281.25	478-2951-2-ND	2,000	270.00/M	1206AC101KAT1A
			1000pF	±10%	1.52	478-2952-1-ND	16.50	97.50	281.25	478-2952-2-ND	2,000	270.00/M	1206AC102KAT1A
		1000V	2200pF	±10%	1.52	478-2953-1-ND	16.50	97.50	281.25	478-2953-2-ND	2,000	270.00/M	1206AC222KAT1A
			4700pF	±10%	1.52	478-2954-1-ND	16.50	97.50	281.25	478-2954-2-ND	2,000	270.00/M	1206AC472KAT1A
		600V	10000pF	±10%	1.52	478-2955-1-ND	16.50	97.50	281.25	478-2955-2-ND	2,000	270.00/M	1206CC103KAT1A
			1000pF	±10%	1.02	478-3805-1-ND **NEW!**	14.30	84.50	243.75	478-3805-2-ND **NEW!**	4,000	234.00/M	12067C102KAT2A
		500V	4700pF	±10%	1.27	478-3807-1-ND **NEW!**	15.40	91.00	262.50	478-3807-2-ND **NEW!**	2,000	252.00/M	12067C472KAT2A
			10000pF	±10%	1.52	478-3806-1-ND **NEW!**	22.00	130.00	375.00	478-3808-2-ND **NEW!**	2,000	360.00/M	12067C103KAT2A
			1000pF	±10%	0.94	478-1505-1-ND	4.40	26.00	75.00	478-1505-2-ND	4,000	72.00/M	12062C102KAT2A
			1500pF	±10%	0.94	478-1506-1-ND	4.40	26.00	75.00	478-1506-2-ND	4,000	72.00/M	12062C152KAT2A
			2200pF	±10%	0.94	478-1507-1-ND	4.40	26.00	75.00	478-1507-2-ND	4,000	72.00/M	12062C222KAT2A
			3300pF	±10%	0.94	478-1508-1-ND	4.40	26.00	75.00	478-1508-2-ND	4,000	72.00/M	12062C332KAT2A
			4700pF	±10%	0.94	478-1509-1-ND	4.40	26.00	75.00	478-1509-2-ND	4,000	72.00/M	12062C472KAT2A
			6800pF	±10%	0.94	478-1510-1-ND	4.40	26.00	75.00	478-1510-2-ND	4,000	72.00/M	12062C682KAT2A
			10000pF	±10%	0.94	478-1511-1-ND	4.40	26.00	75.00	478-1511-2-ND	4,000	72.00/M	12062C103KAT2A
		200V	15000pF	±10%	1.27	478-1512-1-ND	8.25	48.75	140.63	478-1512-2-ND	2,000	135.00/M	12062C153KAT2A
			22000pF	±10%	1.27	478-1513-1-ND	4.62	27.30	78.75	478-1513-2-ND	2,000	76.00/M	12062C223KAT2A
			33000pF	±10%	1.27	478-1514-1-ND	4.62	27.30	78.75	478-1514-2-ND	2,000	76.00/M	12062C333KAT2A
			47000pF	±10%	1.27	478-1515-1-ND	4.62	27.30	78.75	478-1515-2-ND	2,000	76.00/M	12062C473KAT2A
			68000pF	±10%	1.52	478-1516-1-ND	13.20	78.00	225.00	478-1516-2-ND	2,000	216.00/M	12062C683KAT2A
			1000pF	±10%	0.94	478-1517-1-ND	3.19	18.85	54.38	478-1517-2-ND	4,000	52.00/M	12061C102KAT2A
			1000pF	±5%	0.94	478-3782-1-ND **NEW!**	3.41	20.15	58.13	478-3782-2-ND **NEW!**	4,000	56.00/M	12061C102JAT2A
			1500pF	±10%	0.94	478-1518-1-ND	3.19	18.85	54.38	478-1518-2-ND	4,000	52.00/M	12061C152KAT2A
			2200pF	±10%	0.94	478-1519-1-ND	3.19	18.85	54.38	478-1519-2-ND	4,000	52.00/M	12061C222KAT2A
			2200pF	±5%	0.94	478-3788-1-ND **NEW!**	3.41	20.15	58.13	478-3788-2-ND **NEW!**	4,000	56.00/M	12061C222JAT2A
			3300pF	±10%	0.94	478-1520-1-ND	3.19	18.85	54.38	478-1520-2-ND	4,000	52.00/M	12061C332KAT2A
			4700pF	±10%	0.94	478-1521-1-ND	3.19	18.85	54.38	478-1521-2-ND	4,000	52.00/M	12061C472KAT2A
			4700pF	±5%	0.94	478-3791-1-ND **NEW!**	3.41	20.15	58.13	478-3791-2-ND **NEW!**	4,000	56.00/M	12061C472JAT2A
			6800pF	±10%	0.94	478-1522-1-ND	3.19	18.85	54.38	478-1522-2-ND	4,000	52.00/M	12061C682KAT2A
			6800pF	±5%	0.94	478-3794-1-ND **NEW!**	3.41	20.15	58.13	478-3794-2-ND **NEW!**	4,000	56.00/M	12061C682JAT2A
			10000pF	±5%	0.94	478-3783-1-ND **NEW!**	3.41	20.15	58.13	478-3783-2-ND **NEW!**	4,000	56.00/M	12061C103JAT2A
			10000pF	±20%	0.94	478-3784-1-ND **NEW!**	3.19	18.85	54.38	478-3784-2-ND **NEW!**	4,000	52.00/M	12061C103MAT2A
			10000pF	±10%	0.94	478-1523-1-ND	3.19	18.85	54.38	478-1523-2-ND	4,000	52.00/M	12061C103KAT2A
			15000pF	±5%	0.94	478-3787-1-ND **NEW!**	3.96	23.40	67.50	478-3787-2-ND **NEW!**	4,000	65.00/M	12061C153JAT2A
			15000pF	±10%	0.94	478-1524-1-ND	3.30	19.50	56.25	478-1524-2-ND	4,000	54.00/M	12061C153KAT2A
		100V	22000pF	±5%	0.94	478-3789-1-ND **NEW!**	3.96	23.40	67.50	478-3789-2-ND **NEW!**	4,000	65.00/M	12061C223JAT2A
			22000pF	±10%	0.94	478-1525-1-ND	3.30	19.50	56.25	478-1525-2-ND	4,000	54.00/M	12061C223KAT2A
			33000pF	±5%	0.94	478-3790-1-ND **NEW!**	3.96	23.40	67.50	478-3790-2-ND **NEW!**	4,000	65.00/M	12061C333JAT2A
			33000pF	±10%	0.94	478-1526-1-ND	3.30	19.50	56.25	478-1526-2-ND	4,000	54.00/M	12061C333KAT2A
			47000pF	±5%	0.94	478-3792-1-ND **NEW!**	3.96	23.40	67.50	478-3792-2-ND **NEW!**	4,000	65.00/M	12061C473JAT2A
06			47000pF	±20%	0.94	478-3793-1-ND **NEW!**	3.30	19.50	56.25	478-3793-2-ND **NEW!**	4,000	54.00/M	12061C473MAT2A
			47000pF	±10%	0.94	478-1527-1-ND	3.30	19.50	56.25	478-1527-2-ND	4,000	54.00/M	12061C473KAT2A
			68000pF	±10%	0.94	478-1528-1-ND	3.52	20.80	60.00	478-1528-2-ND	4,000	58.00/M	12061C683KAT2A
			.10µF	±10%	1.27	478-1529-1-ND	3.85	22.75	65.63	478-1529-2-ND	2,000	63.00/M	12061C104KAT2A
	X7R		.10µF	±5%	1.27	478-3785-1-ND **NEW!**	4.40	26.00	75.00	478-3785-2-ND **NEW!**	2,000	72.00/M	12061C104JAT2A
			.10µF	±20%	1.27	478-3786-1-ND **NEW!**	3.85	22.75	65.63	478-3786-2-ND **NEW!**	2,000	63.00/M	12061C104MAT2A
			1000pF	±10%	0.94	478-1530-1-ND	3.03	17.88	51.56	478-1530-2-ND	4,000	50.00/M	12065C102KAT2A
			1200pF	±10%	0.94	478-1531-1-ND	3.03	17.88	51.56	478-1531-2-ND	4,000	50.00/M	12065C122KAT2A
			1500pF	±10%	0.94	478-1532-1-ND	3.03	17.88	51.56	478-1532-2-ND	4,000	50.00/M	12065C152KAT2A
			1800pF	±10%	0.94	478-1533-1-ND	3.03	17.88	51.56	478-1533-2-ND	4,000	50.00/M	12065C182KAT2A
			2200pF	±10%	0.94	478-1534-1-ND	3.03	17.88	51.56	478-1534-2-ND	4,000	50.00/M	12065C222KAT2A
			2700pF	±10%	0.94	478-1535-1-ND	3.03	17.88	51.56	478-1535-2-ND	4,000	50.00/M	12065C272KAT2A
			3300pF	±10%	0.94	478-1536-1-ND	3.03	17.88	51.56	478-1536-2-ND	4,000	50.00/M	12065C332KAT2A
			3900pF	±10%	0.94	478-1537-1-ND	3.03	17.88	51.56	478-1537-2-ND	4,000	50.00/M	12065C392KAT2A
			4700pF	±10%	0.94	478-1538-1-ND	3.74	22.10	63.75	478-1538-2-ND	4,000	61.00/M	12065C472KAT2A
			5600pF	±10%	0.94	478-1539-1-ND	3.03	17.88	51.56	478-1539-2-ND	4,000	50.00/M	12065C562KAT2A
			6800pF	±10%	0.94	478-1540-1-ND	3.03	17.88	51.56	478-1540-2-ND	4,000	50.00/M	12065C682KAT2A
			8200pF	±10%	0.94	478-1541-1-ND	3.03	17.88	51.56	478-1541-2-ND	4,000	50.00/M	12065C822KAT2A
			10000pF	±10%	0.94	478-1542-1-ND	3.03	17.88	51.56	478-1542-2-ND	4,000	50.00/M	12065C103KAT2A
			12000pF	±10%	0.94	478-1543-1-ND	3.19	18.85	54.38	478-1543-2-ND	4,000	52.00/M	12065C123KAT2A
			15000pF	±10%	0.94	478-1544-1-ND	3.19	18.85	54.38	478-1544-2-ND	4,000	52.00/M	12065C153KAT2A
			18000pF	±10%	0.94	478-1545-1-ND	3.19	18.85	54.38	478-1545-2-ND	4,000	52.00/M	12065C183KAT2A
			22000pF	±10%	0.94	478-1546-1-ND	3.19	18.85	54.38	478-1546-2-ND	4,000	52.00/M	12065C223KAT2A
			27000pF	±10%	0.94	478-1547-1-ND	3.19	18.85	54.38	478-1547-2-ND	4,000	52.00/M	12065C273KAT2A
		50V	33000pF	±10%	0.94	478-1548-1-ND	3.19	18.85	54.38	478-1548-2-ND	4,000	52.00/M	12065C333KAT2A
			39000pF	±10%	0.94	478-1549-1-ND	3.19	18.85	54.38	478-1549-2-ND	4,000	52.00/M	12065C393KAT2A
			47000pF	±10%	0.94	478-1550-1-ND	3.19	18.85	54.38	478-1550-2-ND	4,000	52.00/M	12065C473KAT2A
			56000pF	±10%	0.94	478-1551-1-ND	3.52	20.80	60.00	478-1551-2-ND	4,000	58.00/M	12065C563KAT2A
			68000pF	±10%	0.94	478-1553-1-ND	3.52	20.80	60.00	478-1553-2-ND	4,000	58.00/M	12065C683KAT2A
			82000pF	±10%	0.94	478-1555-1-ND	3.52	20.80	60.00	478-1555-2-ND	4,000	58.00/M	12065C823KAT2A
			.10µF	±10%	0.94	478-1556-1-ND	2.20	13.00	37.50	478-1556-2-ND	4,000	36.00/M	12065C104KAT2A
			.10µF	±20%	0.94	478-3353-1-ND	1.44	12.54	49.50	478-3353-2-ND	4,000	56.00/M	12065C104MAT2A
			.10µF	±5%	0.94	478-3797-1-ND **NEW!**	3.85	22.75	65.63	478-3797-2-ND **NEW!**	4,000	63.00/M	12065C104JAT2A
			.12µF	±10%	0.94	478-1557-1-ND	3.30	19.50	56.25	478-1557-2-ND	4,000	54.00/M	12065C124KAT2A
			.15µF	±10%	0.94	478-1558-1-ND	3.30	19.50	56.25	478-1558-2-ND	4,000	54.00/M	12065C154KAT2A
			.18µF	±10%	0.94	478-1559-1-ND	3.30	19.50	56.25	478-1559-2-ND	4,000	54.00/M	12065C184KAT2A
			.22µF	±10%	0.94	478-1560-1-ND	3.30	19.50	56.25	478-1560-2-ND	3,000	54.00/M	12065C224KAT2A
			.22µF	±5%	0.94	478-3798-1-ND **NEW!**	5.39	31.85	91.88	478-3798-2-ND **NEW!**	4,000	88.00/M	12065C224JAT2A
			.22µF	±20%	0.94	478-3799-1-ND **NEW!**	4.73	27.95	80.63	478-3799-2-ND **NEW!**	4,000	77.00/M	12065C224MAT2A
			.27µF	±10%	1.27	478-1561-1-ND	4.40	26.00	75.00	478-1561-2-ND	2,000	72.00/M	12065C274KAT2A
			.33µF	±10%	1.27	478-1562-1-ND	6.60	39.00	112.50	478-1562-2-ND	2,000	108.00/M	12065C334KAT2A
			.33µF	±20%	1.52	478-3800-1-ND **NEW!**	6.16	36.40	105.00	478-3800-2-ND **NEW!**	2,000	101.00/M	12065C334MAT2A
			.47µF	±10%	1.52	478-3801-1-ND **NEW!**	6.49	38.35	110.63	478-3801-2-ND **NEW!**	2,000	106.00/M	12065C474KAT2A
			.47µF	±10%	1.27	478-1563-1-ND	5.50	32.50	93.75	478-1563-2-ND	2,000	90.00/M	12063C474KAT2A
			.56µF	±10%	1.78	478-1564-1-ND	6.60	39.00	112.50	478-1564-2-ND	2,000	108.00/M	12063C564KAT2A
			.68µF	±10%	1.78	478-1565-1-ND	6.60	39.00	112.50	478-1565-2-ND	2,500	108.00/M	12063C684KAT2A
		25V	.82µF	±10%	1.78	478-1566-1-ND	6.60	39.00	112.50	478-1566-2-ND	2,500	108.00/M	12063C824KAT2A
			1.0µF	±10%	1.78	478-1567-1-ND	6.27	37.05	106.88	478-1567-2-ND	2,500	103.00/M	12063C105KAT2A

(Continued)

Size Code	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	AVX Part No.
1206	X7R	16V	1.0µF	±10%	1.40	478-2576-1-ND	10.89	64.35	185.63	478-2576-2-ND	2,000	178.00/M	1206YC105KAT2A
			1.0µF	±20%	1.27	478-3808-1-ND **NEW!**	11.88	70.20	202.50	478-3808-2-ND **NEW!**	2,000	194.00/M	1206YC105MAT2A
			.33µF	±10%	0.94	478-3809-1-ND **NEW!**	5.06	29.90	86.25	478-3809-2-ND **NEW!**	4,000	83.00/M	1206YC334KAT2A
			.68µF	±10%	1.27	478-3810-1-ND **NEW!**	10.89	64.35	185.63	478-3810-2-ND **NEW!**	2,000	178.00/M	1206YC684KAT2A
		10V	2.2µF	±10%	1.78	478-1568-1-ND	13.20	78.00	225.00	478-1568-2-ND	2,000	216.00/M	1206ZC225KAT2A
	X8R	50V	10000pF	±10%	0.94	478-3616-1-ND **NEW!**	5.06	29.90	86.25	478-3616-2-ND **NEW!**	4,000	83.00/M	12065F103K4T2A
			47000pF	±10%	0.94	478-3617-1-ND **NEW!**	5.06	29.90	86.25	478-3617-2-ND **NEW!**	2,000	83.00/M	12065F473K4T2A
			.10µF	±10%	1.27	478-3618-1-ND **NEW!**	4.40	26.00	75.00	478-3618-2-ND **NEW!**	2,000	72.00/M	12065F104K4T2A
			.22µF	±10%	1.27	478-3619-1-ND **NEW!**	6.93	40.95	118.13	478-3619-2-ND **NEW!**	2,000	113.00/M	12065F224K4T2A
			.33µF	±10%	1.27	478-3620-1-ND **NEW!**	14.30	84.50	243.75	478-3620-2-ND **NEW!**	2,000	234.00/M	12065F334K4T2A
		25V	.47µF	±10%	1.27	478-3621-1-ND **NEW!**	11.00	65.00	187.50	478-3621-2-ND **NEW!**	2,000	180.00/M	12063F474K4T2A
	X5R	25V	2.2µF	±10%	1.78	478-1569-1-ND	8.80	52.00	150.00	478-1569-2-ND	2,500	144.00/M	12063D225KAT2A
			4.7µF	±10%	1.78	478-1570-1-ND	11.00	65.00	187.50	478-1570-2-ND	2,500	180.00/M	12063D475KAT2A
			4.7µF	±20%	2.79	478-2577-1-ND	11.00	65.00	187.50	478-2577-2-ND	2,500	180.00/M	12063D475MAT2A
		16V	2.2µF	±10%	1.78	478-1571-1-ND	10.01	59.15	170.63	478-1571-2-ND	2,500	164.00/M	1206YD225KAT2A
			4.7µF	±10%	1.78	478-1572-1-ND	20.35	120.25	346.88	478-1572-2-ND	2,500	333.00/M	1206YD475KAT2A
			10µF	±10%	1.78	478-1573-1-ND	20.90	123.50	356.25	478-1573-2-ND	2,500	342.00/M	1206YD106KAT2A
			10µF	±20%	1.78	478-3811-1-ND **NEW!**	26.40	156.00	450.00	478-3811-2-ND **NEW!**	2,500	432.00/M	1206YD106MAT2A
		10V	4.7µF	±10%	1.78	478-1574-1-ND	9.90	58.50	168.75	478-1574-2-ND	2,000	162.00/M	1206ZD475KAT2A
			10µF	±10%	1.78	478-1575-1-ND	12.10	71.50	206.25	478-1575-2-ND	2,000	198.00/M	1206ZD106KAT2A
		6.3V	22µF	±10%	1.78	478-1576-1-ND	24.75	146.25	421.88	478-1576-2-ND	2,500	405.00/M	12066D226KAT2A
			22µF	±20%	1.78	478-3802-1-ND **NEW!**	24.75	146.25	421.88	478-3802-2-ND **NEW!**	2,500	405.00/M	12066D226MAT2A
			10µF	±10%	1.78	478-2578-1-ND	14.30	84.50	243.75	478-2578-2-ND	2,000	234.00/M	12066D106KAT2A
			10µF	±20%	1.78	478-2579-1-ND	14.30	84.50	243.75	478-2579-2-ND	4,000	234.00/M	12066D106MAT2A
	Y5V	50V	.22µF	+80 -20%	0.94	478-1577-1-ND	3.30	19.50	56.25	478-1577-2-ND	4,000	54.00/M	12065G104ZAT2A
			.22µF	+80 -20%	0.94	478-1578-1-ND	6.05	35.75	103.13	478-1578-2-ND	4,000	99.00/M	12065G224ZAT2A
			.47µF	+80 -20%	0.94	478-1579-1-ND	4.95	29.25	84.38	478-1579-2-ND	3,000	81.00/M	12065G474ZAT2A
			1.0µF	+80 -20%	0.94	478-1580-1-ND	3.85	22.75	65.63	478-1580-2-ND	4,000	63.00/M	12065G105ZAT2A
		25V	2.2µF	+80 -20%	1.27	478-1581-1-ND	5.50	32.50	93.75	478-1581-2-ND	3,000	90.00/M	12063G225ZAT2A
		16V	2.2µF	+80 -20%	1.27	478-3812-1-ND **NEW!**	15.62	92.30	266.25	478-3812-2-ND **NEW!**	3,000	256.00/M	1206YG225ZAT2A
			4.7µF	+80 -20%	1.52	478-1582-1-ND	8.80	52.00	150.00	478-1582-2-ND	3,000	144.00/M	1206YG475ZAT2A
		10V	10µF	+80 -20%	1.78	478-1583-1-ND	11.00	65.00	187.50	478-1583-2-ND	2,500	180.00/M	1206ZG106ZAT2A
	C0G (NP0)	200V	680pF	±5%	0.94	478-1584-1-ND	9.35	55.25	159.38	478-1584-2-ND	4,000	153.00/M	12102A681JAT2A
			1000pF	±5%	0.94	478-1585-1-ND	9.35	55.25	159.38	478-1585-2-ND	4,000	153.00/M	12102A102JAT2A
			1500pF	±5%	1.27	478-1586-1-ND	9.90	58.50	168.75	478-1586-2-ND	2,000	162.00/M	12102A152JAT2A
			2200pF	±5%	1.78	478-1587-1-ND	13.75	81.25	234.38	478-1587-2-ND	2,000	225.00/M	12102A222JAT2A
		100V	680pF	±5%	0.94	478-1588-1-ND	4.95	29.25	84.38	478-1588-2-ND	4,000	81.00/M	12101A681JAT2A
			1000pF	±5%	0.94	478-1589-1-ND	4.95	29.25	84.38	478-1589-2-ND	4,000	81.00/M	12101A102JAT2A
			1500pF	±5%	0.94	478-1590-1-ND	7.15	42.25	121.88	478-1590-2-ND	4,000	117.00/M	12101A152JAT2A
			2200pF	±5%	1.27	478-1591-1-ND	7.15	42.25	121.88	478-1591-2-ND	4,000	117.00/M	12101A222JAT2A
			3300pF	±5%	1.27	478-1592-1-ND	7.15	42.25	121.88	478-1592-2-ND	4,000	117.00/M	12101A332JAT2A
		50V	680pF	±5%	0.94	478-1594-1-ND	4.95	29.25	84.38	478-1594-2-ND	4,000	81.00/M	12105A681JAT2A
			1000pF	±5%	0.94	478-1595-1-ND	4.95	29.25	84.38	478-1595-2-ND	4,000	81.00/M	12105A102JAT2A
			1500pF	±5%	0.94	478-1596-1-ND	7.15	42.25	121.88	478-1596-2-ND	4,000	117.00/M	12105A152JAT2A
			2200pF	±5%	0.94	478-1597-1-ND	7.15	42.25	121.88	478-1597-2-ND	4,000	117.00/M	12105A222JAT2A
			3300pF	±5%	0.94	478-1598-1-ND	7.15	42.25	121.88	478-1598-2-ND	4,000	117.00/M	12105A332JAT2A
			6800pF	±5%	0.94	478-1600-1-ND	28.05	165.75	478.13	—	—	—	12105A682JAT2A
		2000V	820pF	±10%	1.70	478-2961-1-ND	22.00	130.00	375.00	478-2961-2-ND	2,000	360.00/M	1210GC821KAT1A
			1000pF	±10%	1.70	478-2960-1-ND	22.00	130.00	375.00	478-2960-2-ND	2,000	360.00/M	1210GC102KAT1A
		1500V	2700pF	±20%	1.70	478-2962-1-ND	20.90	123.50	356.25	478-2962-2-ND	2,000	342.00/M	1210SC272MAT1A
		1000V	10000pF	±10%	1.70	478-2958-1-ND	22.00	130.00	375.00	478-2958-2-ND	2,000	360.00/M	1210AC103KAT1A
		600V	22000pF	±10%	1.70	478-2959-1-ND	22.00	130.00	375.00	478-2959-2-ND	2,000	360.00/M	1210CC223KAT1A
		500V	10000pF	±10%	1.27	478-3822-1-ND **NEW!**	17.60	104.00	300.00	478-3822-2-ND **NEW!**	2,000	288.00/M	12107C103KAT2A
		200V	.10µF	±10%	0.94	478-3815-1-ND **NEW!**	11.00	65.00	187.50	478-3815-2-ND **NEW!**	2,000	180.00/M	12102C104KAT2A
		100V	1000pF	±10%	0.94	478-1602-1-ND	5.50	32.50	93.75	478-1602-2-ND	4,000	90.00/M	12101C102KAT2A
			1500pF	±10%	0.94	478-1603-1-ND	4.95	29.25	84.38	478-1603-2-ND	4,000	81.00/M	12101C152KAT2A
			2200pF	±10%	0.94	478-1604-1-ND	5.50	32.50	93.75	478-1604-2-ND	4,000	90.00/M	12101C222KAT2A
			3300pF	±10%	0.94	478-1605-1-ND	5.50	32.50	93.75	478-1605-2-ND	4,000	90.00/M	12101C332KAT2A
			4700pF	±10%	0.94	478-1606-1-ND	5.50	32.50	93.75	478-1606-2-ND	4,000	90.00/M	12101C472KAT2A
			6800pF	±10%	0.94	478-1607-1-ND	5.50	32.50	93.75	478-1607-2-ND	4,000	90.00/M	12101C682KAT2A
			10000pF	±10%	0.94	478-1608-1-ND	5.50	32.50	93.75	478-1608-2-ND	4,000	90.00/M	12101C103KAT2A
			15000pF	±10%	0.94	478-1609-1-ND	5.50	32.50	93.75	478-1609-2-ND	4,000	90.00/M	12101C153KAT2A
			22000pF	±10%	0.94	478-1610-1-ND	5.50	32.50	93.75	478-1610-2-ND	4,000	90.00/M	12101C223KAT2A
			33000pF	±10%	0.94	478-1611-1-ND	5.50	32.50	93.75	478-1611-2-ND	4,000	90.00/M	12101C333KAT2A
			47000pF	±10%	0.94	478-1612-1-ND	5.50	32.50	93.75	478-1612-2-ND	4,000	90.00/M	12101C473KAT2A
			68000pF	±10%	0.94	478-1613-1-ND	5.50	32.50	93.75	478-1613-2-ND	4,000	90.00/M	12101C683KAT2A
			.10µF	±10%	0.94	478-1614-1-ND	5.50	32.50	93.75	478-1614-2-ND	4,000	90.00/M	12101C104KAT2A
	X7R		.10µF	±5%	0.94	478-3813-1-ND **NEW!**	5.72	33.80	97.50	478-3813-2-ND **NEW!**	4,000	94.00/M	12101C104JAT2A
1210			.10µF	±20%	0.94	478-3814-1-ND **NEW!**	4.95	29.25	84.38	478-3814-2-ND **NEW!**	4,000	81.00/M	12101C104MAT2A
			.15µF	±10%	1.27	478-1615-1-ND	6.82	40.30	116.25	478-1615-2-ND	2,000	112.00/M	12101C154KAT2A
			.22µF	±10%	1.52	478-1616-1-ND	7.70	45.50	131.25	478-1616-2-ND	2,000	126.00/M	12101C224KAT2A
			.47µF	±10%	2.79	478-2568-1-ND	7.70	45.50	131.25	478-2568-2-ND	1,000	126.00	12101C474KAT2A
			.68µF	±10%	2.79	478-2569-1-ND	10.45	61.75	178.13	478-2569-2-ND	1,000	171.00	12101C684KAT2A
			1.0µF	±10%	2.79	478-2570-1-ND	14.30	84.50	243.75	478-2570-2-ND	1,000	234.00	12101C105KAT2A
			1.0µF	±20%	2.79	478-2571-1-ND	14.30	84.50	243.75	478-2571-2-ND	1,000	234.00	12101C105MAT2A
		50V	.10µF	±10%	0.94	478-1617-1-ND	8.80	52.00	150.00	478-1617-2-ND	4,000	144.00/M	12105C104KAT2A
			.15µF	±10%	0.94	478-1618-1-ND	6.82	40.30	116.25	478-1618-2-ND	4,000	112.00/M	12105C154KAT2A
			.22µF	±10%	0.94	478-1619-1-ND	6.82	40.30	116.25	478-1619-2-ND	4,000	112.00/M	12105C224KAT2A
			.22µF	±20%	0.94	478-3819-1-ND **NEW!**	6.60	39.00	112.50	478-3819-2-ND **NEW!**	4,000	108.00/M	12105C224MAT2A
			.33µF	±10%	0.94	478-1620-1-ND	12.10	71.50	206.25	478-1620-2-ND	4,000	198.00/M	12105C334KAT2A
			.33µF	±20%	0.94	478-3820-1-ND **NEW!**	9.24	54.60	157.50	478-3820-2-ND **NEW!**	4,000	151.00/M	12105C334MAT2A
			.47µF	±10%	1.27	478-1621-1-ND	12.10	71.50	206.25	478-1621-2-ND	2,000	198.00/M	12105C474KAT2A
			.47µF	±20%	1.27	478-3821-1-ND **NEW!**	9.24	54.60	157.50	478-3821-2-ND **NEW!**	2,000	151.00/M	12105C474MAT2A
			1.0µF	±10%	2.29	478-1622-1-ND	19.25	113.75	328.13	478-1622-2-ND	2,000	315.00/M	12105C105KAT2A
			2.2µF	±10%	2.29	478-1623-1-ND	21.45	126.75	365.63	478-1623-2-ND	2,000	351.00/M	12105C225KAT2A
		25V	1.0µF	±10%	1.52	478-3816-1-ND **NEW!**	19.80	117.00	337.50	478-3816-2-ND **NEW!**	3,000	324.00/M	12103C105KAT2A
			1.0µF	±20%	1.52	478-3817-1-ND **NEW!**	12.87	76.05	219.38	478-3817-2-ND **NEW!**	3,000	211.00/M	12103C105MAT2A
		16V	4.7µF	±10%	2.79	478-1624-1-ND	23.65	139.75	403.13	478-1624-2-ND	1,000	387.00	1210YC475KAT2A
		10V	10µF	±10%	2.79	478-1625-1-ND	29.15	172.25	496.88	478-1625-2-ND	1,000	477.00	1210ZC106KAT2A
	X5R	25V	4.7µF	±10%	2.79	478-1626-1-ND	18.15	107.25	309.38	478-1626-2-ND	1,000	297.00	12103D475KAT2A
			10µF	±10%	2.29	478-1627-1-ND	25.30	149.50	431.25	478-1627-2-ND	2,000	414.00/M	12103D106KAT2A
		16V	4.7µF	±10%	1.78	478-1628-1-ND	17.60	104.00	300.00	478-1628-2-ND	2,500	288.00/M	1210YD475KAT2A
			10µF	±10%	2.29	478-1629-1-ND	26.40	156.00	450.00	478-1629-2-ND	2,000	432.00/M	1210YD106KAT2A
			10µF	±20%	2.79	478-2572-1-ND	29.70	175.50	506.25	478-2572-2-ND	2,000	486.00/M	1210YD106MAT2A
			22µF	±10%	2.79	478-1630-1-ND	46.75	276.25	796.88	478-1630-2-ND	1,000	765.00	1210YD226KAT2A
		6.3V	22µF	±20%	2.79	478-2573-1-ND	41.80	247.00	712.50	478-2573-2-ND	1,000	684.00	12106D226MAT2A
			47µF	±20%	2.79	478-2574-1-ND	78.10	461.50	1331.25	478-2574-2-ND	1,000	1278.00	12106D476MAT2A
			47µF	±10%	2.79	478-1633-1-ND	78.10	461.50	1331.25	478-1633-2-ND	1,000	1278.00	12106D476KAT2A
			22µF	±10%	2.79	478-3649-1-ND **NEW!**	47.30	279.50	806.25	478-3649-2-ND **NEW!**	1,000	774.00	12106D226KAT2A
			100pF	±20%	2.79	478-2575-1-ND	78.10	461.50	1331.25	478-2575-2-ND	1,000	1278.00	12106D107MAT2A
		10V	10µF	±10%	2.29	478-1631-1-ND	22.55	133.25	384.38	478-1631-2-ND	2,000	369.00/M	12102D106KAT2A
			22µF	±20%	2.79	478-3650-1-ND **NEW!**	35.20	208.00	600.00	478-3650-2-ND **NEW!**	1,000	576.00	12102D226MAT2A
			22µF	±10%	2.79	478-1632-1-ND	35.20	208.00	600.00	478-1632-2-ND	1,000	576.00	12102D226KAT2A
	Y5V	25V	4.7µF	+80 -20%	1.40	478-3818-1-ND **NEW!**	38.50	227.50	656.25	478-3818-2-ND **NEW!**	3,000	630.00/M	12103G475ZAT2A
			10µF	+80 -20%	1.78	478-3651-1-ND **NEW!**	66.00	390.00	1125.00	478-3651-2-ND **NEW!**	2,500	1080.00/M	12103G106ZAT2A
		16V	10µF	+80 -20%	1.78	478-1634-1-ND	29.70	175.50	506.25	478-1634-2-ND	2,500	486.00/M	1210YG106ZAT2A
		10V	22µF	+80 -20%	2.29	478-1635-1-ND	43.45	256.75	740.63	478-1635-2-ND	2,000	711.00/M	1210ZG226ZAT2A

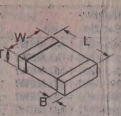
Multilayer Ceramic Chip Capacitors

RoHS COMPLIANT

IET multilayer ceramic chip capacitors are produced in plants designed specifically for chip capacitor ufacture. The process features a high degree of mechanization as well as precise controls over raw materials process conditions.

ufacturing is supplemented by extensive technology, Engineering and Quality Assurance programs. Standard terminations use a nickel barrier layer and a tin overplate to provide excellent solderability.

250VDC or Tip & Ring MLCC capacitors are designed and rated for telecommunication ringer circuits where the citor is used to block -48 to -52VDC of line voltage and pass a 16~25Hz AC signal pulse of 70~90Vrms.



Size Code (EIA)	Dimensions - mm L	W	B
0402	1.0±0.05	0.5±0.05	0.20~0.40
0603	1.6±0.15	0.8±0.15	0.35±0.15
0805	2.0±0.2	1.25 (≥250V: 1.2) ±0.2	0.5±0.25
1206	3.2±0.2	1.6±0.2	0.5±0.25

ase ize	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
		50	.5pF	±0.25pF	0.5	399-1000-1-ND	3.88	22.95	66.19	399-1000-2-ND	10,000	64.00/M	C0402C508C5GACTU
		50	1.2pF	±0.25pF	0.5	399-1001-1-ND	.61	3.58	10.31	399-1001-2-ND	10,000	14.00/M	C0402C129C5GACTU
		50	1.5pF	±0.25pF	0.5	399-1002-1-ND	.61	3.58	10.31	399-1002-2-ND	10,000	14.00/M	C0402C159C5GACTU
		50	1.8pF	±0.25pF	0.5	399-1003-1-ND	.61	3.58	10.31	399-1003-2-ND	10,000	14.00/M	C0402C189C5GACTU
		50	2pF	±0.25pF	0.5	399-1004-1-ND	4.09	24.18	69.75	399-1004-2-ND	10,000	67.00/M	C0402C209C5GACTU
		50	2.7pF	±0.25pF	0.5	399-1005-1-ND	.61	3.58	10.31	399-1005-2-ND	10,000	14.00/M	C0402C279C5GACTU
		50	3pF	±0.25pF	0.5	399-1006-1-ND	4.09	24.18	69.75	399-1006-2-ND	10,000	67.00/M	C0402C309C5GACTU
		50	3.3pF	±0.25pF	0.5	399-1007-1-ND	.61	3.58	10.31	399-1007-2-ND	10,000	14.00/M	C0402C339C5GACTU
		50	5.6pF	±0.5pF	0.5	399-1008-1-ND	3.41	20.15	58.13	399-1008-2-ND	10,000	56.00/M	C0402C569D5GACTU
		50	8.2pF	±0.5pF	0.5	399-1009-1-ND	3.41	20.15	58.13	399-1009-2-ND	10,000	56.00/M	C0402C829D5GACTU
		50	9.1pF	±0.5pF	0.5	399-1010-1-ND	4.09	24.18	69.75	399-1010-2-ND	10,000	67.00/M	C0402C919D5GACTU
		50	10pF	±5%	0.5	399-1011-1-ND	.24	1.43	4.13	399-1011-2-ND	10,000	6.00/M	C0402C100J5GACTU
		50	11pF	±5%	0.5	399-1012-1-ND	4.62	27.30	78.75	399-1012-2-ND	10,000	76.00/M	C0402C110J5GACTU
	C0G (NP0)	50	12pF	±5%	0.5	399-1013-1-ND	.53	3.12	9.00	399-1013-2-ND	10,000	12.00/M	C0402C120J5GACTU
		50	15pF	±5%	0.5	399-1014-1-ND	.24	1.43	4.13	399-1014-2-ND	10,000	6.00/M	C0402C150J5GACTU
		50	22pF	±5%	0.5	399-1015-1-ND	.24	1.43	4.13	399-1015-2-ND	10,000	6.00/M	C0402C220J5GACTU
		50	27pF	±5%	0.5	399-1016-1-ND	.24	1.43	4.13	399-1016-2-ND	10,000	6.00/M	C0402C270J5GACTU
		50	33pF	±5%	0.5	399-1017-1-ND	.24	1.43	4.13	399-1017-2-ND	10,000	6.00/M	C0402C330J5GACTU
		50	39pF	±5%	0.5	399-1018-1-ND	.24	1.43	4.13	399-1018-2-ND	10,000	6.00/M	C0402C390J5GACTU
		50	47pF	±5%	0.5	399-1019-1-ND	.24	1.43	4.13	399-1019-2-ND	10,000	6.00/M	C0402C470J5GACTU
		50	56pF	±5%	0.5	399-1020-1-ND	.24	1.43	4.13	399-1020-2-ND	10,000	6.00/M	C0402C560J5GACTU
		50	75pF	±5%	0.5	399-3191-1-ND	4.62	27.30	78.75	399-3191-2-ND	10,000	76.00/M	C0402C750J5GACTU
		50	82pF	±5%	0.5	399-3192-1-ND	3.85	22.75	65.63	399-3192-2-ND	10,000	63.00/M	C0402C820J5GACTU
		50	91pF	±5%	0.5	399-3193-1-ND	4.62	27.30	78.75	399-3193-2-ND	10,000	76.00/M	C0402C910J5GACTU
		50	100pF	±5%	0.5	399-3194-1-ND	.24	1.43	4.13	399-3194-2-ND	10,000	6.00/M	C0402C101J5GACTU
		25	82pF	±5%	0.5	399-1021-1-ND	3.85	22.75	65.63	399-1021-2-ND	10,000	63.00/M	C0402C820J3GACTU
		25	100pF	±5%	0.5	399-1022-1-ND	.24	1.43	4.13	399-1022-2-ND	10,000	6.00/M	C0402C101J3GACTU
		50	220pF	±10%	0.5	399-1030-1-ND	.26	1.56	4.50	399-1030-2-ND	10,000	6.00/M	C0402C221K5RACTU
		50	330pF	±10%	0.5	399-1023-1-ND	4.07	24.05	69.38	399-1023-2-ND	10,000	67.00/M	C0402C331K5RACTU
		50	470pF	±10%	0.5	399-1025-1-ND	.21	1.24	3.56	399-1025-2-ND	10,000	5.00/M	C0402C471K5RACTU
		50	560pF	±10%	0.5	399-1026-1-ND	.73	4.29	12.38	399-1026-2-ND	10,000	17.00/M	C0402C561K5RACTU
		50	680pF	±10%	0.5	399-1027-1-ND	.28	1.63	4.69	399-1027-2-ND	10,000	6.00/M	C0402C681K5RACTU
		50	1000pF	±10%	0.5	399-1032-1-ND	.20	1.17	3.38	399-1032-2-ND	10,000	5.00/M	C0402C102K5RACTU
		50	1200pF	±10%	0.5	399-1028-1-ND	.73	4.29	12.38	399-1028-2-ND	10,000	17.00/M	C0402C122K5RACTU
		50	1500pF	±10%	0.5	399-1029-1-ND	.33	1.95	5.63	399-1029-2-ND	10,000	8.00/M	C0402C152K5RACTU
		50	1800pF	±10%	0.5	399-3067-1-ND	4.07	24.05	69.38	399-3067-2-ND	10,000	67.00/M	C0402C182K5RACTU
		50	2200pF	±10%	0.5	399-3068-1-ND	.23	1.37	3.94	399-3068-2-ND	10,000	5.00/M	C0402C222K5RACTU
		50	2700pF	±10%	0.5	399-3069-1-ND	.39	2.28	6.56	399-3069-2-ND	10,000	9.00/M	C0402C272K5RACTU
		50	3300pF	±10%	0.5	399-3070-1-ND	.31	1.82	5.25	399-3070-2-ND	10,000	7.00/M	C0402C332K5RACTU
		50	3900pF	±10%	0.5	399-3071-1-ND	.30	1.76	5.06	399-3071-2-ND	10,000	7.00/M	C0402C392K5RACTU
		50	4700pF	±10%	0.5	399-3072-1-ND	.22	1.30	3.75	399-3072-2-ND	10,000	5.00/M	C0402C472K5RACTU
		50	5600pF	±10%	0.5	399-3073-1-ND	2.44	14.43	41.63	399-3073-2-ND	10,000	40.00/M	C0402C562K5RACTU
		50	6800pF	±10%	0.5	399-3074-1-ND	2.44	14.43	41.63	399-3074-2-ND	10,000	40.00/M	C0402C682K5RACTU
		50	8200pF	±10%	0.5	399-3075-1-ND	2.44	14.43	41.63	399-3075-2-ND	10,000	40.00/M	C0402C822K5RACTU
402		50	10000pF	±10%	0.5	399-3066-1-ND	.24	1.43	4.13	399-3066-2-ND	10,000	6.00/M	C0402C103K5RACTU
		25	470pF	±10%	0.5	399-1024-1-ND	4.07	24.05	69.38	399-1024-2-ND	10,000	67.00/M	C0402C471K3RACTU
		25	1000pF	±10%	0.5	399-1031-1-ND	.20	1.17	3.38	399-1031-2-ND	10,000	5.00/M	C0402C102K3RACTU
		25	2200pF	±10%	0.5	399-1033-1-ND	.63	3.71	10.69	399-1033-2-ND	10,000	14.00/M	C0402C222K3RACTU
		25	3900pF	±10%	0.5	399-1034-1-ND	.55	3.25	9.38	399-1034-2-ND	10,000	13.00/M	C0402C392K3RACTU
		25	4700pF	±10%	0.5	399-1035-1-ND	.23	1.37	3.94	399-1035-2-ND	10,000	5.00/M	C0402C472K3RACTU
		25	5600pF	±10%	0.5	399-1276-1-ND	.33	1.95	5.63	399-1276-2-ND	10,000	8.00/M	C0402C562K3RACTU
		25	8200pF	±10%	0.5	399-1277-1-ND	2.44	14.43	41.63	399-1277-2-ND	10,000	40.00/M	C0402C822K3RACTU
		25	10000pF	±5%	0.5	399-1279-1-ND	.33	1.95	5.63	399-1279-2-ND	10,000	8.00/M	C0402C103J3RACTU
		25	10000pF	±10%	0.5	399-1278-1-ND	.20	1.17	3.38	399-1278-2-ND	10,000	5.00/M	C0402C103K3RACTU
		16	5600pF	±10%	0.5	399-1036-1-ND	4.07	24.05	69.38	399-1036-2-ND	10,000	67.00/M	C0402C562K4RACTU
		16	8200pF	±10%	0.5	399-1037-1-ND	4.07	24.05	69.38	399-1037-2-ND	10,000	67.00/M	C0402C822K4RACTU
		16	10000pF	±5%	0.5	399-1039-1-ND	5.39	31.85	91.88	399-1039-2-ND	10,000	88.00/M	C0402C103J4RACTU
	X7R	16	10000pF	±10%	0.5	399-1038-1-ND	.20	1.17	3.38	399-1038-2-ND	10,000	5.00/M	C0402C103K4RACTU
		16	12000pF	±10%	0.5	399-4875-1-ND ***NEW!***	4.29	25.35	73.13	399-4875-2-ND ***NEW!***	10,000	70.00/M	C0402C123K4RACTU
		16	15000pF	±10%	0.5	399-4878-1-ND ***NEW!***	4.29	25.35	73.13	399-4878-2-ND ***NEW!***	10,000	70.00/M	C0402C153K4RACTU
		16	18000pF	±10%	0.5	399-4881-1-ND ***NEW!***	4.29	25.35	73.13	399-4881-2-ND ***NEW!***	10,000	70.00/M	C0402C183K4RACTU
		16	22000pF	±10%	0.5	399-3518-1-ND	4.29	25.35	73.13	399-3518-2-ND	10,000	70.00/M	C0402C223K4RACTU
		16	27000pF	±10%	0.5	399-4888-1-ND ***NEW!***	4.29	25.35	73.13	399-4888-2-ND ***NEW!***	10,000	70.00/M	C0402C273K4RACTU
		16	33000pF	±10%	0.5	399-4891-1-ND ***NEW!***	4.29	25.35	73.13	399-4891-2-ND ***NEW!***	10,000	70.00/M	C0402C333K4RACTU
		16	39000pF	±10%	0.5	399-4894-1-ND ***NEW!***	4.29	25.35	73.13	399-4894-2-ND ***NEW!***	10,000	70.00/M	C0402C393K4RACTU
		16	47000pF	±10%	0.5	399-3519-1-ND	4.29	25.35	73.13	399-3519-2-ND	10,000	70.00/M	C0402C473K4RACTU
		16	56000pF	±10%	0.5	399-4901-1-ND ***NEW!***	4.29	25.35	73.13	399-4901-2-ND ***NEW!***	10,000	70.00/M	C0402C563K4RACTU
		16	68000pF	±10%	0.5	399-4904-1-ND ***NEW!***	4.29	25.35	73.13	399-4904-2-ND ***NEW!***	10,000	70.00/M	C0402C683K4RACTU
		16	82000pF	±10%	0.5	399-4907-1-ND ***NEW!***	4.29	25.35	73.13	399-4907-2-ND ***NEW!***	10,000	70.00/M	C0402C823K4RACTU
		16	.1µF	±10%	0.5	399-3521-1-ND	.26	1.56	4.50	399-3521-2-ND	10,000	6.00/M	C0402C104K4RACTU
		10	12000pF	±10%	0.5	399-4876-1-ND ***NEW!***	4.07	24.05	69.38	399-4876-2-ND ***NEW!***	10,000	67.00/M	C0402C123K8RACTU
		10	15000pF	±10%	0.5	399-4879-1-ND ***NEW!***	4.07	24.05	69.38	399-4879-2-ND ***NEW!***	10,000	67.00/M	C0402C153K8RACTU
		10	18000pF	±10%	0.5	399-4882-1-ND ***NEW!***	4.07	24.05	69.38	399-4882-2-ND ***NEW!***	10,000	67.00/M	C0402C183K8RACTU
		10	22000pF	±10%	0.5	399-4884-1-ND ***NEW!***	4.07	24.05	69.38	399-4884-2-ND ***NEW!***	10,000	67.00/M	C0402C223K8RACTU
		10	27000pF	±10%	0.5	399-4889-1-ND ***NEW!***	4.07	24.05	69.38	399-4889-2-ND ***NEW!***	10,000	67.00/M	C0402C273K8RACTU
		10	33000pF	±10%	0.5	399-4892-1-ND ***NEW!***	4.07	24.05	69.38	399-4892-2-ND ***NEW!***	10,000	67.00/M	C0402C333K8RACTU
		10	39000pF	±10%	0.5	399-4895-1-ND ***NEW!***	4.07	24.05	69.38	399-4895-2-ND ***NEW!***	10,000	67.00/M	C0402C393K8RACTU
		10	47000pF	±10%	0.5	399-4897-1-ND ***NEW!***	4.07	24.05	69.38	399-4897-2-ND ***NEW!***	10,000	67.00/M	C0402C473K8RACTU
		10	56000pF	±10%	0.5	399-4902-1-ND ***NEW!***	4.07	24.05	69.38	399-4902-2-ND ***NEW!***	10,000	67.00/M	C0402C563K8RACTU
		10	68000pF	±10%	0.5	399-4905-1-ND ***NEW!***	4.07	24.05	69.38	399-4905-2-ND ***NEW!***	10,000	67.00/M	C0402C683K8RACTU
		10	82000pF	±10%	0.5	399-4908-1-ND ***NEW!***	4.07	24.05	69.38	399-4908-2-ND ***NEW!***	10,000	67.00/M	C0402C823K8RACTU
		10	1µF	±10%	0.5	399-3520-1-ND	.26	1.56	4.50	399-3520-2-ND	10,000	6.00/M	C0402C104K8RACTU
		6.3	12000pF	±10%	0.5	399-4877-1-ND ***NEW!***	4.07	24.05	69.38	399-4877-2-ND ***NEW!***	10,000	67.00/M	C0402C123K9RACTU
		6.3	15000pF	±10%	0.5	399-4880-1-ND ***NEW!***	4.07	24.05	69.38	399-4880-2-ND ***NEW!***	10,000	67.00/M	C0402C153K9RACTU
		6.3	18000pF	±10%	0.5	399-4883-1-ND ***NEW!***	4.07	24.05	69.38	399-4883-2-ND ***NEW!***	10,000	67.00/M	C0402C183K9RACTU
		6.3	22000pF	±10%	0.5	399-4885-1-ND ***NEW!***	4.07	24.05	69.38	399-4885-2-ND ***NEW!***	10,000	67.00/M	C0402C223K9RACTU
		6.3	27000pF	±10%	0.5	399-4890-1-ND ***NEW!***	4.07	24.05	69.38	399-4890-2-ND ***NEW!***	10,000	67.00/M	C0402C273K9RACTU
		6.3	33000pF	±10%	0.5	399-4893-1-ND ***NEW!***	4.07	24.05	69.38	399-4893-2-ND ***NEW!***	10,000	67.00/M	C0402C333K9RACTU

E: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. *(Continued)*

Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
		6.3	39000pF	±10%	0.5	399-4896-1-ND *NEW!*	4.07	24.05	69.38	399-4896-2-ND *NEW!*	10,000	67.00/M	C0402C393K9RACTU
		6.3	47000pF	±10%	0.5	399-4898-1-ND *NEW!*	4.07	24.05	69.38	399-4898-2-ND *NEW!*	10,000	67.00/M	C0402C473K9RACTU
		6.3	56000pF	±10%	0.5	399-4903-1-ND *NEW!*	4.07	24.05	69.38	399-4903-2-ND *NEW!*	10,000	67.00/M	C0402C563K9RACTU
	X7R	6.3	68000pF	±10%	0.5	399-4906-1-ND *NEW!*	4.07	24.05	69.38	399-4906-2-ND *NEW!*	10,000	67.00/M	C0402C683K9RACTU
		6.3	82000pF	±10%	0.5	399-4909-1-ND *NEW!*	4.07	24.05	69.38	399-4909-2-ND *NEW!*	10,000	67.00/M	C0402C823K9RACTU
		6.3	.1µF	±10%	0.5	399-4872-1-ND *NEW!*	.50	2.93	8.44	399-4872-2-ND *NEW!*	10,000	11.00/M	C0402C104K9RACTU
		10	12000pF	±10%	0.5	399-3009-1-ND	2.31	13.65	39.38	399-3009-2-ND	10,000	38.00/M	C0402C123K8RACTU
		10	15000pF	±10%	0.5	399-3011-1-ND	2.31	13.65	39.38	399-3011-2-ND	10,000	38.00/M	C0402C153K8RACTU
		10	18000pF	±10%	0.5	399-3013-1-ND	2.31	13.65	39.38	399-3013-2-ND	10,000	38.00/M	C0402C183K8RACTU
		10	22000pF	±10%	0.5	399-3015-1-ND	2.42	14.30	41.25	399-3015-2-ND	10,000	40.00/M	C0402C223K8RACTU
		10	27000pF	±10%	0.5	399-3017-1-ND	2.42	14.30	41.25	399-3017-2-ND	10,000	40.00/M	C0402C273K8RACTU
		10	33000pF	±10%	0.5	399-3019-1-ND	2.53	14.95	43.13	399-3019-2-ND	10,000	41.00/M	C0402C333K8RACTU
		10	47000pF	±10%	0.5	399-3021-1-ND	2.64	15.60	45.00	399-3021-2-ND	10,000	43.00/M	C0402C473K8RACTU
		10	68000pF	±10%	0.5	399-3023-1-ND	2.75	16.25	46.88	399-3023-2-ND	10,000	45.00/M	C0402C683K8RACTU
0402		10	.1µF	±10%	0.5	399-3027-1-ND	.24	1.43	4.13	399-3027-2-ND	10,000	6.00/M	C0402C104K8RACTU
		6.3	12000pF	±10%	0.5	399-3008-1-ND	2.31	13.65	39.38	399-3008-2-ND	10,000	38.00/M	C0402C123K9RACTU
	X5R	6.3	15000pF	±10%	0.5	399-3010-1-ND	2.31	13.65	39.38	399-3010-2-ND	10,000	38.00/M	C0402C153K9RACTU
		6.3	18000pF	±10%	0.5	399-3012-1-ND	2.31	13.65	39.38	399-3012-2-ND	10,000	38.00/M	C0402C183K9RACTU
		6.3	22000pF	±10%	0.5	399-3014-1-ND	2.42	14.30	41.25	399-3014-2-ND	10,000	40.00/M	C0402C223K9RACTU
		6.3	27000pF	±10%	0.5	399-3016-1-ND	2.42	14.30	41.25	399-3016-2-ND	10,000	40.00/M	C0402C273K9RACTU
		6.3	33000pF	±10%	0.5	399-3018-1-ND	2.53	14.95	43.13	399-3018-2-ND	10,000	41.00/M	C0402C333K9RACTU
		6.3	47000pF	±10%	0.5	399-3020-1-ND	2.64	15.60	45.00	399-3020-2-ND	10,000	43.00/M	C0402C473K9RACTU
		6.3	68000pF	±10%	0.5	399-3022-1-ND	2.75	16.25	46.88	399-3022-2-ND	10,000	45.00/M	C0402C683K9RACTU
		6.3	.1µF	±10%	0.5	399-3026-1-ND	.44	2.60	7.50	399-3026-2-ND	10,000	10.00/M	C0402C104K9RACTU
		6.3	.22µF	±10%	0.5	399-4886-1-ND *NEW!*	4.40	26.00	75.00	399-4886-2-ND *NEW!*	10,000	72.00/M	C0402C224K9RACTU
		6.3	.22µF	±20%	0.5	399-4887-1-ND *NEW!*	4.29	25.35	73.13	399-4887-2-ND *NEW!*	10,000	70.00/M	C0402C224M9PACTU
		6.3	1µF	±10%	0.5	399-4873-1-ND *NEW!*	2.04	12.03	34.69	399-4873-2-ND *NEW!*	10,000	33.00/M	C0402C105K9RACTU
		6.3	1µF	±20%	0.5	399-4874-1-ND *NEW!*	2.04	12.03	34.69	399-4874-2-ND *NEW!*	10,000	33.00/M	C0402C105M9PACTU
		100	220pF	±5%	0.8	399-4910-1-ND *NEW!*	2.97	17.55	50.63	399-4910-2-ND *NEW!*	4,000	49.00/M	C0603C221J1GACTU
		50	.5pF	±0.25pF	0.8	399-1044-1-ND	4.88	28.86	83.25	399-1044-2-ND	4,000	80.00/M	C0603C508C5GACTU
		50	1pF	±0.25pF	0.8	399-1045-1-ND	4.07	24.05	69.38	399-1045-2-ND	4,000	67.00/M	C0603C109C5GACTU
		50	1.5pF	±0.25pF	0.8	399-1046-1-ND	4.07	24.05	69.38	399-1046-2-ND	4,000	67.00/M	C0603C159C5GACTU
		50	2pF	±0.25pF	0.8	399-1047-1-ND	4.88	28.86	83.25	399-1047-2-ND	4,000	80.00/M	C0603C209C5GACTU
		50	3pF	±0.25pF	0.8	399-1048-1-ND	4.88	28.86	83.25	399-1048-2-ND	4,000	80.00/M	C0603C309C5GACTU
		50	10pF	±5%	0.8	399-1049-1-ND	.28	1.63	4.69	399-1049-2-ND	4,000	6.00/M	C0603C100J5GACTU
		50	12pF	±5%	0.8	399-1050-1-ND	.39	2.28	6.56	399-1050-2-ND	4,000	9.00/M	C0603C120J5GACTU
		50	15pF	±5%	0.8	399-1051-1-ND	.36	2.15	6.19	399-1051-2-ND	4,000	8.00/M	C0603C150J5GACTU
		50	18pF	±5%	0.8	399-1052-1-ND	.36	2.15	6.19	399-1052-2-ND	4,000	8.00/M	C0603C180J5GACTU
		50	22pF	±5%	0.8	399-1053-1-ND	.36	2.15	6.19	399-1053-2-ND	4,000	8.00/M	C0603C220J5GACTU
		50	27pF	±5%	0.8	399-1054-1-ND	.36	2.15	6.19	399-1054-2-ND	4,000	8.00/M	C0603C270J5GACTU
		50	33pF	±5%	0.8	399-1055-1-ND	.33	1.95	5.63	399-1055-2-ND	4,000	8.00/M	C0603C330J5GACTU
		50	47pF	±5%	0.8	399-1056-1-ND	.39	2.28	6.56	399-1056-2-ND	4,000	9.00/M	C0603C470J5GACTU
		50	56pF	±5%	0.8	399-1057-1-ND	.29	1.69	4.88	399-1057-2-ND	4,000	7.00/M	C0603C560J5GACTU
		50	68pF	±5%	0.8	399-1058-1-ND	.37	2.21	6.38	399-1058-2-ND	4,000	9.00/M	C0603C680J5GACTU
	C0G	50	82pF	±5%	0.8	399-1060-1-ND	.39	2.28	6.56	399-1060-2-ND	4,000	9.00/M	C0603C820J5GACTU
	(NP0)	50	82pF	±10%	0.8	399-1059-1-ND	2.20	13.00	37.50	399-1059-2-ND	4,000	36.00/M	C0603C820K5GACTU
		50	100pF	±5%	0.8	399-1061-1-ND	.26	1.56	4.50	399-1061-2-ND	4,000	6.00/M	C0603C101J5GACTU
		50	120pF	±5%	0.8	399-1062-1-ND	.39	2.28	6.56	399-1062-2-ND	4,000	9.00/M	C0603C121J5GACTU
		50	150pF	±5%	0.8	399-1063-1-ND	.44	2.60	7.50	399-1063-2-ND	4,000	10.00/M	C0603C151J5GACTU
		50	180pF	±5%	0.8	399-1064-1-ND	.97	5.72	16.50	399-1064-2-ND	4,000	22.00/M	C0603C181J5GACTU
		50	220pF	±5%	0.8	399-1066-1-ND	.48	2.86	8.25	399-1066-2-ND	4,000	11.00/M	C0603C221J5GACTU
		50	220pF	±10%	0.8	399-1065-1-ND	2.64	15.60	45.00	399-1065-2-ND	4,000	43.00/M	C0603C221K5GACTU
		50	270pF	±5%	0.8	399-1067-1-ND	.47	2.80	8.06	399-1067-2-ND	4,000	11.00/M	C0603C271J5GACTU
		50	330pF	±5%	0.8	399-1068-1-ND	.54	3.19	9.19	399-1068-2-ND	4,000	12.00/M	C0603C331J5GACTU
		50	390pF	±5%	0.8	399-1069-1-ND	.63	3.71	10.69	399-1069-2-ND	4,000	14.00/M	C0603C391J5GACTU
		50	560pF	±5%	0.8	399-3287-1-ND	.72	4.23	12.19	399-3287-2-ND	4,000	16.00/M	C0603C561J5GACTU
		50	620pF	±5%	0.8	399-3288-1-ND	3.85	22.75	65.63	399-3288-2-ND	4,000	63.00/M	C0603C621J5GACTU
		50	680pF	±5%	0.8	399-3289-1-ND	.61	3.58	10.31	399-3289-2-ND	4,000	14.00/M	C0603C681J5GACTU
		50	750pF	±5%	0.8	399-3290-1-ND	3.96	23.40	67.50	399-3290-2-ND	4,000	65.00/M	C0603C751J5GACTU
		50	820pF	±5%	0.8	399-3291-1-ND	.99	5.85	16.88	399-3291-2-ND	4,000	23.00/M	C0603C821J5GACTU
		50	910pF	±5%	0.8	399-3292-1-ND	4.09	24.18	69.75	399-3292-2-ND	4,000	67.00/M	C0603C911J5GACTU
		50	1000pF	±5%	0.8	399-3293-1-ND	.59	3.51	10.13	399-3293-2-ND	4,000	14.00/M	C0603C102J5GACTU
0603		100	5600pF	±10%	0.8	399-3186-1-ND	3.30	19.50	56.25	399-3186-2-ND	4,000	54.00/M	C0603C562K1RACTU
		100	6800pF	±10%	0.8	399-3187-1-ND	3.30	19.50	56.25	399-3187-2-ND	4,000	54.00/M	C0603C682K1RACTU
		100	8200pF	±10%	0.8	399-3188-1-ND	3.30	19.50	56.25	399-3188-2-ND	4,000	54.00/M	C0603C822K1RACTU
		100	10000pF	±5%	0.8	399-3190-1-ND	4.95	29.25	84.38	399-3190-2-ND	4,000	81.00/M	C0603C103J1RACTU
		100	10000pF	±10%	0.8	399-3189-1-ND	3.30	19.50	56.25	399-3189-2-ND	4,000	54.00/M	C0603C103K1RACTU
		100	12000pF	±10%	0.8	399-3473-1-ND	3.30	19.50	56.25	399-3473-2-ND	4,000	54.00/M	C0603C123K1RACTU
		100	15000pF	±10%	0.8	399-3474-1-ND	3.30	19.50	56.25	399-3474-2-ND	4,000	54.00/M	C0603C153K1RACTU
		100	18000pF	±10%	0.8	399-3475-1-ND	3.30	19.50	56.25	399-3475-2-ND	4,000	54.00/M	C0603C183K1RACTU
		100	22000pF	±10%	0.8	399-3476-1-ND	3.30	19.50	56.25	399-3476-2-ND	4,000	54.00/M	C0603C223K1RACTU
		100	27000pF	±10%	0.8	399-3477-1-ND	3.30	19.50	56.25	399-3477-2-ND	4,000	54.00/M	C0603C273K1RACTU
		100	33000pF	±10%	0.8	399-3478-1-ND	3.30	19.50	56.25	399-3478-2-ND	4,000	54.00/M	C0603C333K1RACTU
		100	39000pF	±10%	0.8	399-3479-1-ND	3.30	19.50	56.25	399-3479-2-ND	4,000	54.00/M	C0603C393K1RACTU
		50	220pF	±10%	0.8	399-1071-1-ND	.42	2.47	7.13	399-1071-2-ND	4,000	10.00/M	C0603C221K5RACTU
		50	220pF	±20%	0.8	399-1070-1-ND	2.75	16.25	46.88	399-1070-2-ND	4,000	45.00/M	C0603C221M5RACTU
		50	270pF	±10%	0.8	399-1072-1-ND	2.86	16.90	48.75	399-1072-2-ND	4,000	47.00/M	C0603C271K5RACTU
		50	330pF	±10%	0.8	399-1073-1-ND	.47	2.80	8.06	399-1073-2-ND	4,000	11.00/M	C0603C331K5RACTU
	X7R	50	390pF	±10%	0.8	399-1074-1-ND	2.86	16.90	48.75	399-1074-2-ND	4,000	47.00/M	C0603C391K5RACTU
		50	470pF	±10%	0.8	399-1075-1-ND	.66	3.90	11.25	399-1075-2-ND	4,000	15.00/M	C0603C471K5RACTU
		50	560pF	±10%	0.8	399-1076-1-ND	2.86	16.90	48.75	399-1076-2-ND	4,000	47.00/M	C0603C561K5RACTU
		50	680pF	±10%	0.8	399-1077-1-ND	.43	2.54	7.31	399-1077-2-ND	4,000	10.00/M	C0603C681K5RACTU
		50	820pF	±10%	0.8	399-1078-1-ND	.46	2.73	7.88	399-1078-2-ND	4,000	11.00/M	C0603C821K5RACTU
		50	1000pF	±5%	0.8	399-1083-1-ND	.35	2.08	6.00	399-1083-2-ND	4,000	8.00/M	C0603C102J5RACTU
		50	1000pF	±10%	0.8	399-1082-1-ND	.22	1.30	3.75	399-1082-2-ND	4,000	5.00/M	C0603C102K5RACTU
		50	1500pF	±10%	0.8	399-1084-1-ND	.41	2.41	6.94	399-1084-2-ND	4,000	9.00/M	C0603C152K5RACTU
		50	2200pF	±10%	0.8	399-1085-1-ND	.29	1.69	4.88	399-1085-2-ND	4,000	7.00/M	C0603C222K5RACTU
		50	3300pF	±10%	0.8	399-1086-1-ND	.41	2.41	6.94	399-1086-2-ND	4,000	9.00/M	C0603C332K5RACTU
		50	4700pF	±5%	0.8	399-1088-1-ND	.33	1.95	5.63	399-1088-2-ND	4,000	8.00/M	C0603C472J5RACTU
		50	4700pF	±10%	0.8	399-1087-1-ND	.28	1.63	4.69	399-1087-2-ND	4,000	6.00/M	C0603C472K5RACTU
		50	6800pF	±5%	0.8	399-1090-1-ND	4.29	25.35	73.13	399-1090-2-ND	4,000	70.00/M	C0603C682J5RACTU
		50	6800pF	±10%	0.8	399-1089-1-ND	.33	1.95	5.63	399-1089-2-ND	4,000	8.00/M	C0603C682K5RACTU
		50	10000pF	±5%	0.8	399-1092-1-ND	.33	1.95	5.63	399-1092-2-ND	4,000	8.00/M	C0603C103J5RACTU
		50	10000pF	±10%	0.8	399-1091-1-ND	.22	1.30	3.75	399-1091-2-ND	4,000	5.00/M	C0603C103K5RACTU
		50	22000pF	±10%	0.8	399-1280-1-ND	.50	2.93	8.44	399-1280-2-ND	4,000	11.00/M	C0603C223K5RACTU
		25	22000pF	±10%	0.8	399-1094-1-ND	.41	2.41	6.94	399-1094-2-ND	4,000	9.00/M	C0603C223K3RACTU
		25	.1µF	±5%	0.8	399-1282-1-ND	4.62	27.30	78.75	399-1282-2-ND	4,000	76.00/M	C0603C104J3RACTU

NOTE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. (Continu

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Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
		25	.1µF	±10%	0.8	399-1281-1-ND	1.18	6.96	20.06	399-1281-2-ND	4,000	19.00/M	C0603C104K3RACTU
		25	.1µF	±20%	0.8	399-1283-1-ND	3.23	19.11	55.13	399-1283-2-ND	4,000	53.00/M	C0603C104M3RACTU
		16	22000pF	±10%	0.8	399-1093-1-ND	.44	2.60	7.50	399-1093-2-ND	4,000	10.00/M	C0603C223K4RACTU
		16	.1µF	±5%	0.8	399-1097-1-ND	.83	4.88	14.06	399-1097-2-ND	4,000	19.00/M	C0603C104J4RACTU
		16	.1µF	±10%	0.8	399-1096-1-ND	.23	1.37	3.94	399-1096-2-ND	4,000	5.00/M	C0603C104K4RACTU
		16	.1µF	±20%	0.8	399-1099-1-ND	.23	1.37	3.94	399-1099-2-ND	4,000	5.00/M	C0603C104M4RACTU
		16	.27µF	±10%	0.8	399-4913-1-ND *NEW!*	4.84	28.60	82.50	399-4913-2-ND *NEW!*	4,000	79.00/M	C0603C274K4RACTU
		16	.33µF	±10%	0.8	399-4916-1-ND *NEW!*	5.06	29.90	86.25	399-4916-2-ND *NEW!*	4,000	83.00/M	C0603C334K4RACTU
		16	.39µF	±10%	0.8	399-4919-1-ND *NEW!*	5.28	31.20	90.00	399-4919-2-ND *NEW!*	4,000	86.00/M	C0603C394K4RACTU
	X7R	16	.47µF	±10%	0.8	399-4922-1-ND *NEW!*	5.50	32.50	93.75	399-4922-2-ND *NEW!*	4,000	90.00/M	C0603C474K4RACTU
		10	.1µF	±10%	0.8	399-1095-1-ND	.23	1.37	3.94	399-1095-2-ND	4,000	5.00/M	C0603C104K8RACTU
		10	.27µF	±10%	0.8	399-4914-1-ND *NEW!*	4.84	28.60	82.50	399-4914-2-ND *NEW!*	4,000	79.00/M	C0603C274K8RACTU
		10	.33µF	±10%	0.8	399-4917-1-ND *NEW!*	5.06	29.90	86.25	399-4917-2-ND *NEW!*	4,000	83.00/M	C0603C334K8RACTU
		10	.39µF	±10%	0.8	399-4920-1-ND *NEW!*	5.28	31.20	90.00	399-4920-2-ND *NEW!*	4,000	86.00/M	C0603C394K8RACTU
		10	.47µF	±10%	0.8	399-4923-1-ND *NEW!*	5.50	32.50	93.75	399-4923-2-ND *NEW!*	4,000	90.00/M	C0603C474K8RACTU
		6.3	.27µF	±10%	0.8	399-4915-1-ND *NEW!*	4.84	28.60	82.50	399-4915-2-ND *NEW!*	4,000	79.00/M	C0603C274K9RACTU
		6.3	.33µF	±10%	0.8	399-4918-1-ND *NEW!*	5.06	29.90	86.25	399-4918-2-ND *NEW!*	4,000	83.00/M	C0603C334K9RACTU
		6.3	.39µF	±10%	0.8	399-4921-1-ND *NEW!*	5.28	31.20	90.00	399-4921-2-ND *NEW!*	4,000	86.00/M	C0603C394K9RACTU
		6.3	.47µF	±10%	0.8	399-4924-1-ND *NEW!*	5.50	32.50	93.75	399-4924-2-ND *NEW!*	4,000	90.00/M	C0603C474K9RACTU
		10	.27µF	±10%	0.8	399-3111-1-ND	2.60	15.34	44.25	399-3111-2-ND	4,000	42.00/M	C0603C274K8PACTU
		10	.33µF	±10%	0.8	399-3112-1-ND	2.60	15.34	44.25	399-3112-2-ND	4,000	42.00/M	C0603C334K8PACTU
		10	.39µF	±10%	0.8	399-3113-1-ND	2.60	15.34	44.25	399-3113-2-ND	4,000	42.00/M	C0603C394K8PACTU
		10	.47µF	±10%	0.8	399-3114-1-ND	.94	5.53	15.94	399-3114-2-ND	4,000	21.00/M	C0603C474K8PACTU
		10	.56µF	±10%	0.8	399-3115-1-ND	2.60	15.34	44.25	399-3115-2-ND	4,000	42.00/M	C0603C564K8PACTU
0603		10	.68µF	±10%	0.8	399-3116-1-ND	2.60	15.34	44.25	399-3116-2-ND	4,000	42.00/M	C0603C684K8PACTU
		10	.82µF	±10%	0.8	399-3117-1-ND	2.60	15.34	44.25	399-3117-2-ND	4,000	42.00/M	C0603C824K8PACTU
	X5R	10	1µF	±10%	0.8	399-3118-1-ND	1.98	11.70	33.75	399-3118-2-ND	4,000	32.00/M	C0603C105K8PACTU
		10	2.2µF	±10%	0.8	399-4911-1-ND *NEW!*	5.50	32.50	93.75	399-4911-2-ND *NEW!*	4,000	90.00/M	C0603C225K8PACTU
		10	2.2µF	±20%	0.8	399-4912-1-ND *NEW!*	5.39	31.85	91.88	399-4912-2-ND *NEW!*	4,000	88.00/M	C0603C225M8PACTU
		6.3	1.2µF	±10%	0.8	399-3359-1-ND	3.03	17.88	51.56	399-3359-2-ND	4,000	50.00/M	C0603C125K9PACTU
		6.3	1.8µF	±10%	0.8	399-3361-1-ND	3.25	19.18	55.31	399-3361-2-ND	4,000	53.00/M	C0603C185K9PACTU
		6.3	2.2µF	±10%	0.8	399-3362-1-ND	4.40	26.00	75.00	399-3362-2-ND	4,000	72.00/M	C0603C225K9PACTU
		6.3	2.7µF	±10%	0.8	399-3480-1-ND	6.05	35.75	103.13	—	—	—	C0603C275K9PACTU
		6.3	4.7µF	±10%	0.8	399-3482-1-ND	6.05	35.75	103.13	399-3482-2-ND	4,000	99.00/M	C0603C475K9PACTU
		25	.1µF	+80%, -20%	0.8	399-1100-1-ND	.20	1.17	3.38	399-1100-2-ND	4,000	5.00/M	C0603C104Z3VACTU
		25	.1µF	±20%	0.8	399-1101-1-ND	.61	3.58	10.31	399-1101-2-ND	4,000	14.00/M	C0603C104M3VACTU
		25	.15µF	+80%, -20%	0.8	399-1290-1-ND	2.90	17.16	49.50	399-1290-2-ND	4,000	48.00/M	C0603C154Z3VACTU
		25	.22µF	+80%, -20%	0.8	399-1103-1-ND	3.10	18.33	52.88	399-1103-2-ND	4,000	51.00/M	C0603C224Z3VACTU
		25	.33µF	+80%, -20%	0.8	399-1292-1-ND	3.41	20.15	58.13	399-1292-2-ND	4,000	56.00/M	C0603C334Z3VACTU
		16	.1µF	+80%, -20%	0.8	399-1098-1-ND	.26	1.56	4.50	399-1098-2-ND	4,000	6.00/M	C0603C104Z4VACTU
		16	.15µF	+80%, -20%	0.8	399-1289-1-ND	2.83	16.71	48.19	399-1289-2-ND	4,000	46.00/M	C0603C154Z4VACTU
	Y5V	16	.22µF	+80%, -20%	0.8	399-1102-1-ND	.44	2.60	7.50	399-1102-2-ND	4,000	10.00/M	C0603C224Z4VACTU
		16	.33µF	+80%, -20%	0.8	399-1291-1-ND	2.97	17.55	50.63	399-1291-2-ND	4,000	49.00/M	C0603C334Z4VACTU
		10	.47µF	+80%, -20%	0.8	399-3218-1-ND	2.92	17.23	49.69	399-3218-2-ND	4,000	48.00/M	C0603C474Z8VACTU
		10	.68µF	+80%, -20%	1.0	399-3220-1-ND	3.96	23.40	67.50	399-3220-2-ND	4,000	65.00/M	C0603C684Z8VACTU
		10	1µF	+80%, -20%	1.25	399-3216-1-ND	.44	2.60	7.50	399-3216-2-ND	4,000	10.00/M	C0603C105Z8VACTU
		6.3	.47µF	+80%, -20%	0.8	399-3219-1-ND	2.92	17.23	49.69	399-3219-2-ND	4,000	48.00/M	C0603C474Z9VACTU
		6.3	.68µF	+80%, -20%	1.0	399-3221-1-ND	3.96	23.40	67.50	399-3221-2-ND	4,000	65.00/M	C0603C684Z9VACTU
		6.3	1µF	+80%, -20%	1.25	399-3217-1-ND	1.32	7.80	22.50	399-3217-2-ND	4,000	22.00/M	C0603C105Z9VACTU
		100	10pF	±5%	0.78	399-1109-1-ND	1.21	7.15	20.63	399-1109-2-ND	4,000	20.00/M	C0805C100J1GACTU
		100	100pF	±5%	0.78	399-1123-1-ND	.68	4.03	11.63	399-1123-2-ND	4,000	16.00/M	C0805C101J1GACTU
		100	220pF	±5%	0.78	399-1128-1-ND	3.08	18.20	52.50	399-1128-2-ND	4,000	50.00/M	C0805C221J1GACTU
		100	330pF	±5%	0.78	399-1131-1-ND	1.21	7.15	20.63	399-1131-2-ND	4,000	20.00/M	C0805C331J1GACTU
		100	1000pF	±5%	0.9	399-1137-1-ND	4.07	24.05	69.38	399-1137-2-ND	4,000	67.00/M	C0805C102J1GACTU
		50	1pF	±0.25pF	0.78	399-1104-1-ND	3.85	22.75	65.63	399-1104-2-ND	4,000	63.00/M	C0805C109C5GACTU
		50	1.5pF	±0.25pF	0.78	399-1105-1-ND	3.85	22.75	65.63	399-1105-2-ND	4,000	63.00/M	C0805C159C5GACTU
		50	2pF	±0.25pF	0.78	399-1106-1-ND	4.62	27.30	78.75	399-1106-2-ND	4,000	76.00/M	C0805C209C5GACTU
		50	3pF	±0.25pF	0.78	399-1107-1-ND	4.62	27.30	78.75	399-1107-2-ND	4,000	76.00/M	C0805C309C5GACTU
		50	10pF	±5%	0.78	399-1108-1-ND	.61	3.58	10.31	399-1108-2-ND	4,000	14.00/M	C0805C100J5GACTU
		50	12pF	±5%	0.78	399-1110-1-ND	.80	4.75	13.69	399-1110-2-ND	4,000	18.00/M	C0805C120J5GACTU
		50	15pF	±5%	0.78	399-1111-1-ND	.79	4.68	13.50	399-1111-2-ND	4,000	18.00/M	C0805C150J5GACTU
		50	18pF	±5%	0.78	399-1112-1-ND	.75	4.42	12.75	399-1112-2-ND	4,000	17.00/M	C0805C180J5GACTU
		50	22pF	±5%	0.78	399-1113-1-ND	.97	5.72	16.50	399-1113-2-ND	4,000	22.00/M	C0805C220J5GACTU
		50	27pF	±5%	0.78	399-1114-1-ND	.80	4.75	13.69	399-1114-2-ND	4,000	18.00/M	C0805C270J5GACTU
		50	33pF	±5%	0.78	399-1115-1-ND	.55	3.25	9.38	399-1115-2-ND	4,000	13.00/M	C0805C330J5GACTU
	C0G	50	39pF	±5%	0.78	399-1116-1-ND	2.20	13.00	37.50	399-1116-2-ND	4,000	36.00/M	C0805C390J5GACTU
	(NP0)	50	47pF	±5%	0.78	399-1117-1-ND	.55	3.25	9.38	399-1117-2-ND	4,000	13.00/M	C0805C470J5GACTU
		50	56pF	±5%	0.78	399-1118-1-ND	.95	5.59	16.13	399-1118-2-ND	4,000	22.00/M	C0805C560J5GACTU
		50	68pF	±5%	0.78	399-1119-1-ND	.97	5.72	16.50	399-1119-2-ND	4,000	22.00/M	C0805C680J5GACTU
		50	82pF	±5%	0.78	399-1120-1-ND	.91	5.40	15.56	399-1120-2-ND	4,000	21.00/M	C0805C820J5GACTU
		50	100pF	±5%	0.78	399-1122-1-ND	.97	5.72	16.50	399-1122-2-ND	4,000	22.00/M	C0805C101J5GACTU
		50	100pF	±10%	0.78	399-1121-1-ND	.50	2.93	8.44	399-1121-2-ND	4,000	11.00/M	C0805C101K5GACTU
0805		50	120pF	±5%	0.78	399-1124-1-ND	1.10	6.50	18.75	399-1124-2-ND	4,000	18.00/M	C0805C121J5GACTU
		50	150pF	±5%	0.78	399-1125-1-ND	.65	3.84	11.06	399-1125-2-ND	4,000	15.00/M	C0805C151J5GACTU
		50	180pF	±5%	0.78	399-1126-1-ND	.78	4.62	13.31	399-1126-2-ND	4,000	18.00/M	C0805C181J5GACTU
		50	220pF	±5%	0.78	399-1127-1-ND	1.10	6.50	18.75	399-1127-2-ND	4,000	18.00/M	C0805C221J5GACTU
		50	270pF	±5%	0.78	399-1129-1-ND	2.64	15.60	45.00	399-1129-2-ND	4,000	43.00/M	C0805C271J5GACTU
		50	330pF	±5%	0.78	399-1130-1-ND	.55	3.25	9.38	399-1130-2-ND	4,000	13.00/M	C0805C331J5GACTU
		50	390pF	±5%	0.78	399-1132-1-ND	2.86	16.90	48.75	399-1132-2-ND	4,000	47.00/M	C0805C391J5GACTU
		50	470pF	±5%	0.78	399-1133-1-ND	1.60	9.43	27.19	399-1133-2-ND	4,000	26.00/M	C0805C471J5GACTU
		50	560pF	±5%	0.78	399-1134-1-ND	1.07	6.31	18.19	399-1134-2-ND	4,000	24.00/M	C0805C561J5GACTU
		50	680pF	±5%	0.78	399-1135-1-ND	1.10	6.50	18.75	399-1135-2-ND	4,000	18.00/M	C0805C681J5GACTU
		50	1000pF	±5%	0.78	399-1136-1-ND	.85	5.01	14.44	399-1136-2-ND	4,000	19.00/M	C0805C102J5GACTU
		1000	1000pF	±10%	1.27	399-4818-1-ND *NEW!*	5.29	31.27	90.19	399-4818-2-ND *NEW!*	2,500	87.00/M	C0805C102KDRACTU
		250	1000pF	±10%	0.78	399-4666-1-ND *NEW!*	5.78	34.13	98.44	399-4666-2-ND *NEW!*	4,000	95.00/M	C0805C102KARACTU
		250	2200pF	±10%	0.78	399-4667-1-ND *NEW!*	5.78	34.13	98.44	399-4667-2-ND *NEW!*	4,000	95.00/M	C0805C222KARACTU
		250	4700pF	±10%	0.78	399-4668-1-ND *NEW!*	5.78	34.13	98.44	399-4668-2-ND *NEW!*	4,000	95.00/M	C0805C472KARACTU
		250	10000pF	±10%	0.78	399-4669-1-ND *NEW!*	1.29	7.61	21.94	399-4669-2-ND *NEW!*	4,000	21.00/M	C0805C103KARACTU
		250	22000pF	±10%	0.78	399-4670-1-ND *NEW!*	5.78	34.13	98.44	399-4670-2-ND *NEW!*	4,000	95.00/M	C0805C223KARACTU
	X7R	100	1000pF	±10%	0.78	399-1148-1-ND	1.05	6.18	17.81	399-1148-2-ND	4,000	24.00/M	C0805C102K1RACTU
		100	10000pF	±10%	0.78	399-1159-1-ND	.43	2.54	7.31	399-1159-2-ND	4,000	10.00/M	C0805C103K1RACTU
		100	56000pF	±10%	1.0	399-3483-1-ND	3.54	20.93	60.38	399-3483-2-ND	2,500	58.00/M	C0805C563K1RACTU
		100	68000pF	±10%	1.0	399-3484-1-ND	3.54	20.93	60.38	399-3484-2-ND	2,500	58.00/M	C0805C683K1RACTU
		100	82000pF	±10%	1.0	399-3485-1-ND	3.54	20.93	60.38	399-3485-2-ND	2,500	58.00/M	C0805C823K1RACTU
		100	.1µF	±10%	1.0	399-3486-1-ND	3.54	20.93	60.38	399-3486-2-ND	2,500	58.00/M	C0805C104K1RACTU
		100	.12µF	±10%	1.25	399-3488-1-ND	3.54	20.93	60.38	399-3488-2-ND	2,500	58.00/M	C0805C124K1RACTU

TE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. *(Continued)*

Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
		50	220pF	±10%	0.78	399-1138-1-ND	3.63	21.45	61.88	399-1138-2-ND	4,000	59.00/M	C0805C221K5RACTU
		50	270pF	±10%	0.78	399-1139-1-ND	3.63	21.45	61.88	399-1139-2-ND	4,000	59.00/M	C0805C271K5RACTU
		50	330pF	±10%	0.78	399-1140-1-ND	.58	3.45	9.94	399-1140-2-ND	4,000	13.00/M	C0805C331K5RACTU
		50	390pF	±10%	0.78	399-1141-1-ND	3.63	21.45	61.88	399-1141-2-ND	4,000	59.00/M	C0805C391K5RACTU
		50	470pF	±10%	0.78	399-1142-1-ND	.57	3.38	9.75	399-1142-2-ND	4,000	13.00/M	C0805C471K5RACTU
		50	560pF	±10%	0.78	399-1143-1-ND	2.75	16.25	46.88	399-1143-2-ND	4,000	45.00/M	C0805C561K5RACTU
		50	680pF	±10%	0.78	399-1144-1-ND	2.75	16.25	46.88	399-1144-2-ND	4,000	45.00/M	C0805C681K5RACTU
		50	820pF	±10%	0.78	399-1145-1-ND	2.75	16.25	46.88	399-1145-2-ND	4,000	45.00/M	C0805C821K5RACTU
		50	1000pF	±5%	0.78	399-1149-1-ND	.83	4.88	14.06	399-1149-2-ND	4,000	19.00/M	C0805C102J5RACTU
		50	1000pF	±10%	0.78	399-1147-1-ND	.34	2.02	5.81	399-1147-2-ND	4,000	8.00/M	C0805C102K5RACTU
		50	1000pF	±20%	0.78	399-1146-1-ND	.50	2.93	8.44	399-1146-2-ND	4,000	11.00/M	C0805C102M5RACTU
		50	1500pF	±10%	0.78	399-1150-1-ND	2.75	16.25	46.88	399-1150-2-ND	4,000	45.00/M	C0805C152K5RACTU
		50	2200pF	±10%	0.78	399-1151-1-ND	.37	2.21	6.38	399-1151-2-ND	4,000	9.00/M	C0805C222K5RACTU
		50	2700pF	±10%	0.78	399-1152-1-ND	2.75	16.25	46.88	399-1152-2-ND	4,000	45.00/M	C0805C272K5RACTU
		50	3300pF	±10%	0.78	399-1153-1-ND	.46	2.73	7.88	399-1153-2-ND	4,000	11.00/M	C0805C332K5RACTU
		50	3900pF	±10%	0.78	399-1154-1-ND	.51	2.99	8.63	399-1154-2-ND	4,000	12.00/M	C0805C392K5RACTU
		50	4700pF	±10%	0.78	399-1155-1-ND	.43	2.54	7.31	399-1155-2-ND	4,000	10.00/M	C0805C472K5RACTU
		50	5600pF	±10%	0.78	399-1156-1-ND	2.75	16.25	46.88	399-1156-2-ND	4,000	45.00/M	C0805C562K5RACTU
		50	6800pF	±10%	0.78	399-1157-1-ND	2.75	16.25	46.88	399-1157-2-ND	4,000	45.00/M	C0805C682K5RACTU
		50	10000pF	±10%	0.78	399-1158-1-ND	.33	1.95	5.63	399-1158-2-ND	4,000	8.00/M	C0805C103K5RACTU
		50	10000pF	±20%	0.78	399-1160-1-ND	.33	1.95	5.63	399-1160-2-ND	4,000	8.00/M	C0805C103M5RACTU
		50	15000pF	±10%	0.9	399-1161-1-ND	.46	2.73	7.88	399-1161-2-ND	4,000	11.00/M	C0805C153K5RACTU
		50	18000pF	±10%	0.78	399-1162-1-ND	3.08	18.20	52.50	399-1162-2-ND	4,000	50.00/M	C0805C183K5RACTU
		50	22000pF	±10%	0.78	399-1163-1-ND	.58	3.45	9.94	399-1163-2-ND	4,000	13.00/M	C0805C223K5RACTU
		50	27000pF	±10%	0.78	399-1164-1-ND	.67	3.97	11.44	399-1164-2-ND	4,000	15.00/M	C0805C273K5RACTU
	X7R	50	33000pF	±10%	0.78	399-1165-1-ND	.69	4.10	11.81	399-1165-2-ND	4,000	16.00/M	C0805C333K5RACTU
		50	47000pF	±10%	0.9	399-1166-1-ND	.61	3.58	10.31	399-1166-2-ND	4,000	14.00/M	C0805C473K5RACTU
		50	.1µF	±5%	0.9	399-1171-1-ND	1.21	7.15	20.63	399-1171-2-ND	4,000	20.00/M	C0805C104J5RACTU
		50	.1µF	±10%	0.9	399-1170-1-ND	.46	2.73	7.88	399-1170-2-ND	4,000	11.00/M	C0805C104K5RACTU
		50	.1µF	±20%	0.9	399-1169-1-ND	.46	2.73	7.88	399-1169-2-ND	4,000	11.00/M	C0805C104M5RACTU
		50	.12µF	±10%	1.0	399-3487-1-ND	6.39	37.77	108.94	399-3487-2-ND	4,000	105.00/M	C0805C124K5RACTU
		50	.15µF	±10%	0.9	399-3489-1-ND	6.90	40.76	117.56	399-3489-2-ND	4,000	113.00/M	C0805C154K5RACTU
		50	.18µF	±10%	0.9	399-3490-1-ND	7.57	44.72	129.00	399-3490-2-ND	4,000	124.00/M	C0805C184K5RACTU
		50	.22µF	±10%	0.9	399-3491-1-ND	2.01	11.90	34.31	399-3491-2-ND	4,000	33.00/M	C0805C224K5RACTU
		25	.1µF	±10%	0.9	399-1168-1-ND	.45	2.67	7.69	399-1168-2-ND	4,000	10.00/M	C0805C104K3RACTU
		25	.56µF	±10%	1.25	399-3492-1-ND	11.50	67.93	195.94	399-3492-2-ND	2,500	188.00/M	C0805C564K3RACTU
		16	.1µF	±10%	0.9	399-1167-1-ND	.83	4.88	14.06	399-1167-2-ND	4,000	19.00/M	C0805C104K4RACTU
		16	1µF	±10%	1.25	399-1284-1-ND	.95	5.59	16.13	399-1284-2-ND	2,500	22.00/M	C0805C105K4RACTU
		16	1.2µF	±10%	1.0	399-4927-1-ND **NEW!**	13.20	78.00	225.00	399-4927-2-ND **NEW!**	2,500	216.00/M	C0805C125K4RACTU
		16	1.5µF	±10%	1.25	399-4930-1-ND **NEW!**	13.20	78.00	225.00	399-4930-2-ND **NEW!**	2,500	216.00/M	C0805C155K4RACTU
		16	1.8µF	±10%	1.25	399-4933-1-ND **NEW!**	13.20	78.00	225.00	399-4933-2-ND **NEW!**	2,500	216.00/M	C0805C185K4RACTU
		16	2.2µF	±10%	1.25	399-3523-1-ND	4.95	29.25	84.38	399-3523-2-ND	2,500	81.00/M	C0805C225K4RACTU
		10	1µF	±10%	1.25	399-1172-1-ND	1.21	7.15	20.63	399-1172-2-ND	2,500	20.00/M	C0805C105K8RACTU
		10	1.2µF	±10%	1.0	399-4928-1-ND **NEW!**	10.45	61.75	178.13	399-4928-2-ND **NEW!**	2,500	171.00/M	C0805C125K8RACTU
0805		10	1.5µF	±10%	1.25	399-4931-1-ND **NEW!**	10.45	61.75	178.13	399-4931-2-ND **NEW!**	2,500	171.00/M	C0805C155K8RACTU
		10	1.8µF	±10%	1.25	399-4934-1-ND **NEW!**	10.45	61.75	178.13	399-4934-2-ND **NEW!**	2,500	171.00/M	C0805C185K8RACTU
		10	2.2µF	±10%	1.25	399-3522-1-ND	3.52	20.80	60.00	399-3522-2-ND	2,500	58.00/M	C0805C225K8RACTU
		6.3	1.2µF	±10%	1.0	399-4929-1-ND **NEW!**	10.45	61.75	178.13	399-4929-2-ND **NEW!**	2,500	171.00/M	C0805C125K9RACTU
		6.3	1.5µF	±10%	1.25	399-4932-1-ND **NEW!**	10.45	61.75	178.13	399-4932-2-ND **NEW!**	2,500	171.00/M	C0805C155K9RACTU
		6.3	1.8µF	±10%	1.25	399-4935-1-ND **NEW!**	10.45	61.75	178.13	399-4935-2-ND **NEW!**	2,500	171.00/M	C0805C185K9RACTU
		6.3	2.2µF	±10%	1.25	399-4936-1-ND **NEW!**	3.52	20.80	60.00	399-4936-2-ND **NEW!**	2,500	58.00/M	C0805C225K9RACTU
		10	1.2µF	±10%	0.9	399-3119-1-ND	4.51	26.65	76.88	399-3119-2-ND	4,000	74.00/M	C0805C125K8RACTU
		10	1.5µF	±10%	1.0	399-3121-1-ND	4.73	27.95	80.63	399-3121-2-ND	2,500	77.00/M	C0805C155K8RACTU
		10	1.8µF	±10%	1.25	399-3123-1-ND	4.95	29.25	84.38	399-3123-2-ND	2,500	81.00/M	C0805C185K8RACTU
		10	2.2µF	±10%	1.25	399-3125-1-ND	4.51	26.65	76.88	399-3125-2-ND	2,500	74.00/M	C0805C225K8RACTU
		10	2.7µF	±10%	0.9	399-3127-1-ND	7.02	41.47	119.63	399-3127-2-ND	4,000	115.00/M	C0805C275K8RACTU
		10	3.3µF	±10%	1.0	399-3129-1-ND	7.02	41.47	119.63	399-3129-2-ND	2,500	115.00/M	C0805C335K8RACTU
		10	3.9µF	±10%	1.25	399-3131-1-ND	7.02	41.47	119.63	399-3131-2-ND	2,500	115.00/M	C0805C395K8RACTU
		10	4.7µF	±10%	1.25	399-3133-1-ND	4.95	29.25	84.38	399-3133-2-ND	2,500	81.00/M	C0805C475K8RACTU
		10	10µF	±10%	1.25	399-4925-1-ND **NEW!**	13.20	78.00	225.00	399-4925-2-ND **NEW!**	2,500	216.00/M	C0805C106K8RACTU
		10	10µF	±20%	1.25	399-4926-1-ND **NEW!**	12.65	74.75	215.63	399-4926-2-ND **NEW!**	2,500	207.00/M	C0805C106M8PACTU
		6.3	1.2µF	±10%	0.9	399-3120-1-ND	4.51	26.65	76.88	399-3120-2-ND	4,000	74.00/M	C0805C125K9PACTU
	X5R	6.3	1.5µF	±10%	1.0	399-3122-1-ND	4.73	27.95	80.63	399-3122-2-ND	2,500	77.00/M	C0805C155K9PACTU
		6.3	1.8µF	±10%	1.25	399-3124-1-ND	4.95	29.25	84.38	399-3124-2-ND	2,500	81.00/M	C0805C185K9PACTU
		6.3	2.2µF	±10%	1.25	399-3126-1-ND	3.42	20.22	58.31	399-3126-2-ND	2,500	56.00/M	C0805C225K9PACTU
		6.3	2.7µF	±10%	0.9	399-3128-1-ND	7.02	41.47	119.63	399-3128-2-ND	4,000	115.00/M	C0805C275K9PACTU
		6.3	3.3µF	±10%	1.0	399-3130-1-ND	7.02	41.47	119.63	399-3130-2-ND	2,500	115.00/M	C0805C335K9PACTU
		6.3	3.9µF	±10%	1.25	399-3132-1-ND	7.02	41.47	119.63	399-3132-2-ND	2,500	115.00/M	C0805C395K9PACTU
		6.3	4.7µF	±10%	1.25	399-3134-1-ND	5.61	33.15	95.63	399-3134-2-ND	2,500	92.00/M	C0805C475K9PACTU
		6.3	5.6µF	±10%	1.25	399-3135-1-ND	14.44	85.35	246.19	399-3135-2-ND	2,500	236.00/M	C0805C565K9PACTU
		6.3	6.8µF	±10%	1.25	399-3136-1-ND	14.44	85.35	246.19	399-3136-2-ND	2,500	236.00/M	C0805C685K9PACTU
		6.3	8.2µF	±10%	1.25	399-3137-1-ND	14.44	85.35	246.19	399-3137-2-ND	2,500	236.00/M	C0805C825K9PACTU
		6.3	10µF	±10%	1.25	399-3138-1-ND	8.80	52.00	150.00	399-3138-2-ND	3,000	144.00/M	C0805C106K9PACTU
		6.3	22µF	±20%	1.25	399-4696-1-ND **NEW!**	27.50	162.50	468.75	399-4696-2-ND **NEW!**	2,500	450.00/M	C0805C226M9PACTU
		50	.1µF	+80%, -20%	0.9	399-1177-1-ND	.57	3.38	9.75	399-1177-2-ND	4,000	13.00/M	C0805C104Z5VACTU
		25	1µF	+80%, -20%	1.25	399-1293-1-ND	5.94	35.10	101.25	399-1293-2-ND	2,500	97.00/M	C0805C105Z3VACTU
		16	1.5µF	+80%, -20%	1.25	399-1294-1-ND	6.53	38.61	111.38	399-1294-2-ND	2,500	107.00/M	C0805C155Z4VACTU
		16	2.2µF	+80%, -20%	1.25	399-1295-1-ND	7.18	42.45	122.44	399-1295-2-ND	2,500	118.00/M	C0805C225Z4VACTU
	Y5V	10	3.3µF	+80%, -20%	1.0	399-3222-1-ND	9.24	54.60	157.50	399-3222-2-ND	2,500	151.00/M	C0805C335Z8VACTU
		10	4.7µF	+80%, -20%	1.25	399-3224-1-ND	10.34	61.10	176.25	399-3224-2-ND	2,500	169.00/M	C0805C475Z8VACTU
		6.3	3.3µF	+80%, -20%	1.0	399-3223-1-ND	9.24	54.60	157.50	399-3223-2-ND	2,500	151.00/M	C0805C335Z9VACTU
		6.3	4.7µF	+80%, -20%	1.25	399-3225-1-ND	10.34	61.10	176.25	399-3225-2-ND	2,500	169.00/M	C0805C475Z9VACTU
		6.3	6.8µF	+80%, -20%	1.25	399-3294-1-ND	11.99	70.85	204.38	—	—	—	C0805C685Z9VACTU
		6.3	10µF	+80%, -20%	1.25	399-3295-1-ND	10.89	64.35	185.63	399-3295-2-ND	3,000	178.00/M	C0805C106Z9VACTU
		50	10000pF	+80%, -20%	0.78	399-1173-1-ND	.64	3.77	10.88	399-1173-2-ND	4,000	15.00/M	C0805C103Z5UACTU
	Z5U	50	10000pF	±20%	0.78	399-1174-1-ND	.64	3.77	10.88	399-1174-2-ND	4,000	15.00/M	C0805C103M5UACTU
		50	.1µF	+80%, -20%	0.9	399-1175-1-ND	.75	4.42	12.75	399-1175-2-ND	4,000	17.00/M	C0805C104Z5UACTU
		50	.1µF	±20%	0.9	399-1176-1-ND	.59	3.51	10.13	399-1176-2-ND	4,000	14.00/M	C0805C104M5UACTU
		100	100pF	±5%	0.78	399-1206-1-ND	1.32	7.80	22.50	399-1206-2-ND	4,000	22.00/M	C1206C101J1GACTU
		100	470pF	±5%	0.78	399-1214-1-ND	5.46	32.24	93.00	399-1214-2-ND	4,000	89.00/M	C1206C471J1GACTU
		100	1000pF	±5%	0.78	399-1219-1-ND	3.85	22.75	65.63	399-1219-2-ND	4,000	63.00/M	C1206C102J1GACTU
		50	1pF	±0.25pF	0.78	399-1178-1-ND	7.28	43.03	124.13	399-1178-2-ND	4,000	119.00/M	C1206C109C5GACTU
1206	C0G (NP0)	50	1.5pF	±0.25pF	0.78	399-1179-1-ND	7.28	43.03	124.13	399-1179-2-ND	4,000	119.00/M	C1206C159C5GACTU
		50	1.8pF	±0.25pF	0.78	399-1180-1-ND	7.28	43.03	124.13	399-1180-2-ND	4,000	119.00/M	C1206C189C5GACTU
		50	2.2pF	±0.25pF	0.78	399-1181-1-ND	7.28	43.03	124.13	399-1181-2-ND	4,000	119.00/M	C1206C229C5GACTU
		50	2.7pF	±0.25pF	0.78	399-1182-1-ND	7.28	43.03	124.13	399-1182-2-ND	4,000	119.00/M	C1206C279C5GACTU
		50	3.3pF	±0.25pF	0.78	399-1183-1-ND	7.28	43.03	124.13	399-1183-2-ND	4,000	119.00/M	C1206C339C5GACTU

NOTE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered. *(Continued)*

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Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Kemet Part No.
		50	3.9pF	±0.25pF	0.78	399-1184-1-ND	7.28	43.03	124.13	399-1184-2-ND	4,000	119.00/M	C1206C399C5GACTU
		50	4.7pF	±0.25pF	0.78	399-1185-1-ND	7.28	43.03	124.13	399-1185-2-ND	4,000	119.00/M	C1206C479C5GACTU
		50	5.1pF	±0.25pF	0.78	399-1186-1-ND	10.54	62.27	179.63	399-1186-2-ND	4,000	172.00/M	C1206C519C5GACTU
		50	5.6pF	±0.25pF	0.78	399-1187-1-ND	8.78	51.87	149.63	399-1187-2-ND	4,000	144.00/M	C1206C569C5GACTU
		50	6.8pF	±0.5pF	0.78	399-1188-1-ND	4.16	24.57	70.88	399-1188-2-ND	4,000	68.00/M	C1206C689D5GACTU
		50	7.5pF	±0.5pF	0.78	399-1189-1-ND	4.99	29.51	85.13	399-1189-2-ND	4,000	82.00/M	C1206C759D5GACTU
		50	8.2pF	±0.5pF	0.78	399-1190-1-ND	4.16	24.57	70.88	399-1190-2-ND	4,000	68.00/M	C1206C829D5GACTU
		50	9.1pF	±0.5pF	0.78	399-1191-1-ND	4.99	29.51	85.13	399-1191-2-ND	4,000	82.00/M	C1206C919D5GACTU
		50	10pF	±5%	0.78	399-1192-1-ND	1.71	10.08	29.06	399-1192-2-ND	4,000	28.00/M	C1206C100J5GACTU
		50	12pF	±5%	0.78	399-1193-1-ND	1.71	10.08	29.06	399-1193-2-ND	4,000	28.00/M	C1206C120J5GACTU
		50	15pF	±5%	0.78	399-1194-1-ND	1.71	10.08	29.06	399-1194-2-ND	4,000	28.00/M	C1206C150J5GACTU
		50	18pF	±5%	0.78	399-1195-1-ND	1.71	10.08	29.06	399-1195-2-ND	4,000	28.00/M	C1206C180J5GACTU
		50	20pF	±5%	0.78	399-1196-1-ND	4.99	29.51	85.13	399-1196-2-ND	4,000	82.00/M	C1206C200J5GACTU
		50	22pF	±5%	0.78	399-1197-1-ND	1.71	10.08	29.06	399-1197-2-ND	4,000	28.00/M	C1206C220J5GACTU
		50	27pF	±5%	0.78	399-1198-1-ND	1.71	10.08	29.06	399-1198-2-ND	4,000	28.00/M	C1206C270J5GACTU
		50	33pF	±5%	0.78	399-1199-1-ND	1.71	10.08	29.06	399-1199-2-ND	4,000	28.00/M	C1206C330J5GACTU
	C0G	50	39pF	±5%	0.78	399-1200-1-ND	4.16	24.57	70.88	399-1200-2-ND	4,000	68.00/M	C1206C390J5GACTU
	(NP0)	50	47pF	±5%	0.78	399-1201-1-ND	1.71	10.08	29.06	399-1201-2-ND	4,000	28.00/M	C1206C470J5GACTU
		50	51pF	±5%	0.78	399-1202-1-ND	4.99	29.51	85.13	399-1202-2-ND	4,000	82.00/M	C1206C510J5GACTU
		50	56pF	±5%	0.78	399-1203-1-ND	4.16	24.57	70.88	399-1203-2-ND	4,000	68.00/M	C1206C560J5GACTU
		50	68pF	±5%	0.78	399-1204-1-ND	4.16	24.57	70.88	399-1204-2-ND	4,000	68.00/M	C1206C680J5GACTU
		50	100pF	±5%	0.78	399-1205-1-ND	1.71	10.08	29.06	399-1205-2-ND	4,000	28.00/M	C1206C101J5GACTU
		50	120pF	±5%	0.78	399-1207-1-ND	4.16	24.57	70.88	399-1207-2-ND	4,000	68.00/M	C1206C121J5GACTU
		50	220pF	±10%	0.78	399-1208-1-ND	4.28	25.29	72.94	399-1208-2-ND	4,000	70.00/M	C1206C221K5GACTU
		50	270pF	±10%	0.78	399-1209-1-ND	4.39	25.94	74.81	399-1209-2-ND	4,000	72.00/M	C1206C271K5GACTU
		50	330pF	±10%	0.78	399-1210-1-ND	4.39	25.94	74.81	399-1210-2-ND	4,000	72.00/M	C1206C331K5GACTU
		50	390pF	±10%	0.78	399-1211-1-ND	4.51	26.65	76.88	399-1211-2-ND	4,000	74.00/M	C1206C391K5GACTU
		50	470pF	±5%	0.78	399-1213-1-ND	2.20	13.00	37.50	399-1213-2-ND	4,000	36.00/M	C1206C471J5GACTU
		50	470pF	±10%	0.78	399-1212-1-ND	4.51	26.65	76.88	399-1212-2-ND	4,000	74.00/M	C1206C471K5GACTU
		50	560pF	±10%	0.78	399-1215-1-ND	4.74	28.02	80.81	399-1215-2-ND	4,000	78.00/M	C1206C561K5GACTU
		50	680pF	±10%	0.78	399-1216-1-ND	4.97	29.38	84.75	399-1216-2-ND	4,000	81.00/M	C1206C681K5GACTU
		50	820pF	±10%	0.78	399-1217-1-ND	5.20	30.75	88.69	399-1217-2-ND	4,000	85.00/M	C1206C821K5GACTU
		50	1000pF	±5%	0.78	399-1218-1-ND	1.82	10.73	30.94	399-1218-2-ND	4,000	30.00/M	C1206C102J5GACTU
		50	4700pF	±5%	0.9	399-3503-1-ND	9.82	58.05	167.44	399-3503-2-ND	4,000	161.00/M	C1206C472J5GACTU
		2000	1000pF	±10%	1.65	399-4819-1-ND **NEW!**	17.84	105.43	304.13	399-4819-2-ND **NEW!**	2,000	292.00/M	C1206C102KGRACTU
		1000	1000pF	±10%	0.75	399-3437-1-ND	3.52	20.80	60.00	399-3437-2-ND	2,000	58.00/M	C1206C102KDRACTU
		1000	4700pF	±10%	1.65	399-4820-1-ND **NEW!**	3.73	22.04	63.56	399-4820-2-ND **NEW!**	2,000	61.00/M	C1206C472KDRACTU
		500	1000pF	±10%	1.15	399-3436-1-ND	4.40	26.00	75.00	399-3436-2-ND	2,000	72.00/M	C1206C102KCRACTU
		500	10000pF	±10%	1.4	399-3438-1-ND	8.25	48.75	140.63	399-3438-2-ND	2,000	135.00/M	C1206C103KCRACTU
		250	10000pF	±10%	0.78	399-4671-1-ND **NEW!**	7.85	46.41	133.88	399-4671-2-ND **NEW!**	4,000	129.00/M	C1206C103KARACTU
		250	22000pF	±10%	0.78	399-4672-1-ND **NEW!**	7.85	46.41	133.88	399-4672-2-ND **NEW!**	4,000	129.00/M	C1206C223KARACTU
		250	47000pF	±10%	1.0	399-4673-1-ND **NEW!**	8.25	48.75	140.63	399-4673-2-ND **NEW!**	2,500	135.00/M	C1206C473KARACTU
		250	.1µF	±10%	1.25	399-4674-1-ND **NEW!**	3.85	22.75	65.63	399-4674-2-ND **NEW!**	2,500	63.00/M	C1206C104KARACTU
		100	1000pF	±10%	0.78	399-1222-1-ND	1.87	11.05	31.88	399-1222-2-ND	4,000	31.00/M	C1206C102K1RACTU
		100	10000pF	±5%	0.78	399-1238-1-ND	1.98	11.70	33.75	399-1238-2-ND	4,000	32.00/M	C1206C103J1RACTU
		100	10000pF	±10%	0.78	399-1236-1-ND	1.32	7.80	22.50	399-1236-2-ND	4,000	22.00/M	C1206C103K5RACTU
		100	10000pF	±20%	0.78	399-1235-1-ND	1.32	7.80	22.50	399-1235-2-ND	4,000	22.00/M	C1206C103M1RACTU
206		100	56000pF	±10%	0.78	399-1802-1-ND	5.54	32.76	94.50	399-1802-2-ND	4,000	91.00/M	C1206C563K1RACTU
		100	68000pF	±10%	0.78	399-1803-1-ND	6.01	35.49	102.38	399-1803-2-ND	4,000	98.00/M	C1206C683K1RACTU
		100	82000pF	±10%	0.78	399-1804-1-ND	6.31	37.31	107.63	399-1804-2-ND	4,000	103.00/M	C1206C823K1RACTU
		100	.1µF	±10%	0.78	399-1805-1-ND	2.37	13.98	40.31	399-1805-2-ND	4,000	39.00/M	C1206C104K1RACTU
		100	.27µF	±10%	1.25	399-3494-1-ND	13.21	78.07	225.19	399-3494-2-ND	2,500	216.00/M	C1206C274K1RACTU
		100	.39µF	±10%	1.6	399-3497-1-ND	15.98	94.45	272.44	399-3497-2-ND	2,000	262.00/M	C1206C394K1RACTU
		50	1000pF	±10%	0.78	399-1221-1-ND	1.32	7.80	22.50	399-1221-2-ND	4,000	22.00/M	C1206C102K5RACTU
		50	1200pF	±10%	0.78	399-1223-1-ND	3.30	19.50	56.25	399-1223-2-ND	4,000	54.00/M	C1206C122K5RACTU
		50	1500pF	±10%	0.78	399-1224-1-ND	3.30	19.50	56.25	399-1224-2-ND	4,000	54.00/M	C1206C152K5RACTU
		50	1800pF	±10%	0.78	399-1225-1-ND	3.30	19.50	56.25	399-1225-2-ND	4,000	54.00/M	C1206C182K5RACTU
		50	2200pF	±10%	0.78	399-1226-1-ND	1.71	10.08	29.06	399-1226-2-ND	4,000	28.00/M	C1206C222K5RACTU
		50	2700pF	±10%	0.78	399-1227-1-ND	3.30	19.50	56.25	399-1227-2-ND	4,000	54.00/M	C1206C272K5RACTU
		50	3300pF	±10%	0.78	399-1228-1-ND	3.30	19.50	56.25	399-1228-2-ND	4,000	54.00/M	C1206C332K5RACTU
		50	3900pF	±10%	0.78	399-1229-1-ND	3.30	19.50	56.25	399-1229-2-ND	4,000	54.00/M	C1206C392K5RACTU
		50	4700pF	±10%	0.78	399-1230-1-ND	1.71	10.08	29.06	399-1230-2-ND	4,000	28.00/M	C1206C472K5RACTU
		50	5600pF	±10%	0.78	399-1231-1-ND	3.30	19.50	56.25	399-1231-2-ND	4,000	54.00/M	C1206C562K5RACTU
		50	6800pF	±10%	0.78	399-1232-1-ND	3.30	19.50	56.25	399-1232-2-ND	4,000	54.00/M	C1206C682K5RACTU
		50	8200pF	±10%	0.78	399-1233-1-ND	3.30	19.50	56.25	399-1233-2-ND	4,000	54.00/M	C1206C822K5RACTU
		50	10000pF	±5%	0.78	399-1237-1-ND	1.65	9.75	28.13	399-1237-2-ND	4,000	27.00/M	C1206C103J5RACTU
		50	10000pF	±10%	0.78	399-1234-1-ND	1.21	7.15	20.63	399-1234-2-ND	4,000	20.00/M	C1206C103K5RACTU
		50	12000pF	±10%	0.78	399-1239-1-ND	3.74	22.10	63.75	399-1239-2-ND	4,000	61.00/M	C1206C123K5RACTU
		50	15000pF	±10%	0.78	399-1240-1-ND	3.74	22.10	63.75	399-1240-2-ND	4,000	61.00/M	C1206C153K5RACTU
		50	18000pF	±10%	0.78	399-1241-1-ND	3.74	22.10	63.75	399-1241-2-ND	4,000	61.00/M	C1206C183K5RACTU
		50	22000pF	±10%	0.78	399-1242-1-ND	1.65	9.75	28.13	399-1242-2-ND	4,000	27.00/M	C1206C223K5RACTU
		50	27000pF	±10%	0.78	399-1243-1-ND	3.74	22.10	63.75	399-1243-2-ND	4,000	61.00/M	C1206C273K5RACTU
		50	33000pF	±10%	0.78	399-1244-1-ND	3.74	22.10	63.75	399-1244-2-ND	4,000	61.00/M	C1206C333K5RACTU
		50	39000pF	±10%	0.78	399-1245-1-ND	3.85	22.75	65.63	399-1245-2-ND	4,000	63.00/M	C1206C393K5RACTU
		50	47000pF	±10%	0.78	399-1246-1-ND	1.34	7.93	22.88	399-1246-2-ND	4,000	22.00/M	C1206C473K5RACTU
		50	68000pF	±5%	0.78	399-1247-1-ND	4.03	23.79	68.63	399-1247-2-ND	4,000	66.00/M	C1206C683J5RACTU
		50	.1µF	±5%	0.78	399-1250-1-ND	2.53	14.95	43.13	399-1250-2-ND	4,000	41.00/M	C1206C104J5RACTU
		50	.1µF	±10%	0.78	399-1249-1-ND	.72	4.23	12.19	399-1249-2-ND	4,000	16.00/M	C1206C104K5RACTU
		50	.1µF	±20%	0.78	399-1248-1-ND	.72	4.23	12.19	399-1248-2-ND	4,000	16.00/M	C1206C104M5RACTU
		50	.22µF	±5%	0.9	399-1252-1-ND	13.75	81.25	234.38	399-1252-2-ND	2,500	225.00/M	C1206C224J5RACTU
		50	.22µF	±10%	0.9	399-1251-1-ND	2.51	14.82	42.75	399-1251-2-ND	2,500	41.00/M	C1206C224K5RACTU
		50	.27µF	±10%	0.9	399-3493-1-ND	9.35	55.25	159.38	399-3493-2-ND	4,000	153.00/M	C1206C274K5RACTU
		50	.33µF	±10%	0.9	399-3495-1-ND	9.90	58.50	168.75	399-3495-2-ND	4,000	162.00/M	C1206C334K5RACTU
		50	.39µF	±10%	0.9	399-3496-1-ND	10.45	61.75	178.13	399-3496-2-ND	4,000	171.00/M	C1206C394K5RACTU
		50	.47µF	±10%	0.9	399-3498-1-ND	4.64	27.43	79.13	399-3498-2-ND	4,000	76.00/M	C1206C474K5RACTU
		50	.56µF	±10%	0.9	399-3499-1-ND	12.71	75.08	216.56	399-3499-2-ND	4,000	208.00/M	C1206C564K5RACTU
		50	.68µF	±10%	1.0	399-3500-1-ND	16.34	96.53	278.44	399-3500-2-ND	2,500	267.00/M	C1206C684K5RACTU
		25	.33µF	±10%	0.78	399-1285-1-ND	3.51	20.74	59.81	399-1285-2-ND	4,000	57.00/M	C1206C334K3RACTU
		25	1µF	±10%	1.6	399-1255-1-ND	1.88	11.12	32.06	399-1255-2-ND	2,000	31.00/M	C1206C105K3RACTU
		25	1.2µF	±10%	1.6	399-3501-1-ND	14.74	87.10	251.25	399-3501-2-ND	2,000	241.00/M	C1206C125K3RACTU
		25	1.5µF	±10%	1.6	399-3502-1-ND	15.62	92.30	266.25	399-3502-2-ND	2,000	256.00/M	C1206C155K3RACTU
		16	.33µF	±10%	0.78	399-1253-1-ND	9.90	58.50	168.75	399-1253-2-ND	4,000	162.00/M	C1206C334K4RACTU
		16	1µF	±10%	1.1	399-1254-1-ND	2.08	12.29	35.44	399-1254-2-ND	2,500	34.00/M	C1206C105K4RACTU
		16	1.2µF	±10%	1.0	399-1286-1-ND	14.30	84.50	243.75	399-1286-2-ND	4,000	234.00/M	C1206C125K4RACTU
		16	2.2µF	±10%	1.6	399-1257-1-ND	4.73	27.95	80.63	399-1257-2-ND	2,000	77.00/M	C1206C225K4RACTU
		16	2.7µF	±10%	0.8	399-4941-1-ND **NEW!**	17.60	104.00	300.00	399-4941-2-ND **NEW!**	2,000	288.00/M	C1206C275K4RACTU

TE: Parts with improved tolerances or voltages may be substituted within the same case size. These parts will provide performance equal to or better than those which you ordered.

Multilayer Ceramic Chip Capacitors

muRata
Innovator in Electronics

RoHS COMPLIANT

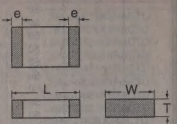
GRM Series:
The Murata GRM series is a complete line of ceramic chip capacitors with a wide range of voltages and sizes. These capacitors have temperature characteristics ranging from C0G to Z5U. GRM series is offered with a Nickel (Ni) barrier termination plated with Tin (Sn), highly resistant to migration and is RoHS compliant. Stringent dimensional tolerances allow highly reliable, high-speed automatic chip placement on PCBs.

GRM Hi-Cap Series:
The Murata Hi-Cap, Ta replacement product lineup is available with capacitance of 1µF and larger, in voltages of 6.3V ~ 50V. Why use ceramic chips over Ta and Al capacitors? Ceramic chips offer better reliability, electrical performance, no polarity, and allow design engineers to downsize designs with various package options. This line of high volumetric multilayer capacitance ceramic chip capacitors (MLCC) has excellent high frequency noise absorption performance compared to Ta and Al caps. For bypass/decoupling applications, MLCC is equivalent to 1/2 to 1/5 the capacitance value of a Ta capacitor because impedance (ESR) of MLCC is lower at higher frequencies (above 100kHz.) Consider Murata Hi-Cap as your Ta capacitor replacement.

Operating Temperature Range:

- C0G (NP0): -55°C ~ 125°C
- U2J: 25°C ~ 85°C
- X7R: -55°C ~ 125°C
- X6S: -55°C ~ 105°C
- X5R: -55°C ~ 85°C
- Y5V: -30°C ~ 85°C
- Z5U: 10°C ~ 85°C

Size Code	Dimensions (mm) L	W	e
01005	0.4	0.2	0.07 ~ 0.14
0201	0.6	0.3	0.1 ~ 0.2
0402	1	0.5	0.15 ~ 0.3
0603	1.6	0.8	0.2 ~ 0.5
0805	2	1.25	0.2 ~ 0.7
1206	3.2	1.6	0.3 ~ 0.8
1210	3.2	2.5	0.3
1808	4.5	2	0.3
1812	4.5	3.2	0.3
2220	5.7	5	0.3



Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
01005	C0G (NP0)	16	7.5pF	±0.5pF	0.2	490-4502-1-ND **NEW!**	2.64	15.61	45.02	490-4502-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C7R5DD04D
			8pF	±0.5pF	0.2	490-4503-1-ND **NEW!**	2.64	15.61	45.02	490-4503-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C8R0DD04D
			8.2pF	±0.5pF	0.2	490-4504-1-ND **NEW!**	2.64	15.61	45.02	490-4504-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C8R2DD04D
			9pF	±0.5pF	0.2	490-4505-1-ND **NEW!**	2.64	15.61	45.02	490-4505-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C9R0DD04D
			9.1pF	±0.5pF	0.2	490-4506-1-ND **NEW!**	2.64	15.61	45.02	490-4506-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C9R1DD04D
			10pF	±5%	0.2	490-4507-1-ND **NEW!**	2.64	15.61	45.02	490-4507-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C100JD04D
			11pF	±5%	0.2	490-4508-1-ND **NEW!**	2.64	15.61	45.02	490-4508-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C110JD04D
			12pF	±5%	0.2	490-4509-1-ND **NEW!**	2.64	15.61	45.02	490-4509-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C120JD04D
			13pF	±5%	0.2	490-4510-1-ND **NEW!**	2.64	15.61	45.02	490-4510-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C130JD04D
			15pF	±5%	0.2	490-4511-1-ND **NEW!**	2.64	15.61	45.02	490-4511-2-ND **NEW!**	20,000	43.22/M	GRM0225C1C150JD04D
			18pF	±5%	0.2	490-4525-1-ND **NEW!**	2.67	15.78	45.53	490-4525-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C180JD01D
			22pF	±5%	0.2	490-4526-1-ND **NEW!**	2.67	15.78	45.53	490-4526-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C220JD01D
			27pF	±5%	0.2	490-4527-1-ND **NEW!**	2.67	15.78	45.53	490-4527-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C270JD01D
			33pF	±5%	0.2	490-4528-1-ND **NEW!**	2.67	15.78	45.53	490-4528-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C330JD01D
			39pF	±5%	0.2	490-4529-1-ND **NEW!**	2.67	15.78	45.53	490-4529-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C390JD01D
			47pF	±5%	0.2	490-4530-1-ND **NEW!**	2.67	15.78	45.53	490-4530-2-ND **NEW!**	20,000	43.71/M	GRM0225C1C470JD01D
	X5R	6.3	680pF	±10%	0.2	490-4531-1-ND **NEW!**	2.64	15.61	45.02	490-4531-2-ND **NEW!**	20,000	43.22/M	GRM022R60J681KE19D
			1000pF	±10%	0.2	490-4532-1-ND **NEW!**	2.64	15.61	45.02	490-4532-2-ND **NEW!**	20,000	43.22/M	GRM022R60J102KE19D
			1500pF	±10%	0.2	490-4533-1-ND **NEW!**	2.64	15.61	45.02	490-4533-2-ND **NEW!**	20,000	43.22/M	GRM022R60J152KE19D
			2200pF	±10%	0.2	490-4534-1-ND **NEW!**	2.64	15.61	45.02	490-4534-2-ND **NEW!**	20,000	43.22/M	GRM022R60J222KE19D
			3300pF	±10%	0.2	490-4535-1-ND **NEW!**	2.64	15.61	45.02	490-4535-2-ND **NEW!**	20,000	43.22/M	GRM022R60J332KE19D
			4700pF	±10%	0.2	490-4536-1-ND **NEW!**	2.64	15.61	45.02	490-4536-2-ND **NEW!**	20,000	43.22/M	GRM022R60J472KE19D
			6800pF	±10%	0.2	490-4537-1-ND **NEW!**	2.64	15.61	45.02	490-4537-2-ND **NEW!**	20,000	43.22/M	GRM022R60J682KE19D
			10000pF	±10%	0.2	490-4538-1-ND **NEW!**	2.64	15.61	45.02	490-4538-2-ND **NEW!**	20,000	43.22/M	GRM022R60J103KE19D
0201	C0G (NP0)	25	.5pF	±.25pF	0.3	490-1241-1-ND	.51	2.99	8.63	490-1241-2-ND	15,000	8.28/M	GRM0335C1ER50CD01D
			1.0pF	±.25pF	0.3	490-3122-1-ND	.53	3.12	9.00	490-3122-2-ND	15,000	8.64/M	GRM0335C1E1R0CD01D
			1.1pF	±.25pF	0.3	490-3123-1-ND	.29	1.69	4.88	490-3123-2-ND	15,000	7.02/M	GRM0335C1E1R1CD01D
			1.2pF	±.25pF	0.3	490-1242-1-ND	.53	3.12	9.00	490-1242-2-ND	15,000	8.64/M	GRM0335C1E1R2CD01D
			1.3pF	±.25pF	0.3	490-3124-1-ND	.43	2.54	7.31	490-3124-2-ND	15,000	7.02/M	GRM0335C1E1R3CD01D
			1.5pF	±.25pF	0.3	490-1243-1-ND	.53	3.12	9.00	490-1243-2-ND	15,000	8.64/M	GRM0335C1E1R5CD01D
			1.8pF	±.25pF	0.3	490-1244-1-ND	.53	3.12	9.00	490-1244-2-ND	15,000	8.64/M	GRM0335C1E1R8CD01D
			2.0pF	±.25pF	0.3	490-1245-1-ND	.53	3.12	9.00	490-1245-2-ND	15,000	8.64/M	GRM0335C1E2R0CD01D
			2.2pF	±.25pF	0.3	490-1246-1-ND	.53	3.12	9.00	490-1246-2-ND	15,000	8.64/M	GRM0335C1E2R2CD01D
			2.4pF	±.25pF	0.3	490-1247-1-ND	.53	3.12	9.00	490-1247-2-ND	15,000	8.64/M	GRM0335C1E2R4CD01D
			3.0pF	±.25pF	0.3	490-3127-1-ND	.43	2.54	7.31	490-3127-2-ND	15,000	7.02/M	GRM0335C1E3R0CD01D
			3.3pF	±.25pF	0.3	490-1248-1-ND	.53	3.12	9.00	490-1248-2-ND	15,000	8.64/M	GRM0335C1E3R3CD01D
			3.6pF	±.25pF	0.3	490-1249-1-ND	.53	3.12	9.00	490-1249-2-ND	15,000	8.64/M	GRM0335C1E3R6CD01D
			4.0pF	±.25pF	0.3	490-3129-1-ND	.43	2.54	7.31	490-3129-2-ND	15,000	7.02/M	GRM0335C1E4R0CD01D
			4.3pF	±.25pF	0.3	490-3130-1-ND	.43	2.54	7.31	490-3130-2-ND	15,000	7.02/M	GRM0335C1E4R3CD01D
			4.7pF	±.25pF	0.3	490-3131-1-ND	.34	2.02	5.81	490-3131-2-ND	15,000	5.58/M	GRM0335C1E4R7CD01D
			5.0pF	±.25pF	0.3	490-3132-1-ND	.43	2.54	7.31	490-3132-2-ND	15,000	7.02/M	GRM0335C1E5R0CD01D
			5.1pF	±.5pF	0.3	490-3133-1-ND	.43	2.54	7.31	490-3133-2-ND	15,000	7.02/M	GRM0335C1E5R1DD01D
			6.0pF	±.5pF	0.3	490-3135-1-ND	.43	2.54	7.31	490-3135-2-ND	15,000	7.02/M	GRM0335C1E6R0DD01D
			7.0pF	±.5pF	0.3	490-1250-1-ND	.53	3.12	9.00	490-1250-2-ND	15,000	8.64/M	GRM0335C1E7R0DD01D
			8.0pF	±.5pF	0.3	490-3139-1-ND	.43	2.54	7.31	490-3139-2-ND	15,000	7.02/M	GRM0335C1E8R0DD01D
			9.0pF	±.5pF	0.3	490-1251-1-ND	.53	3.12	9.00	490-1251-2-ND	15,000	8.64/M	GRM0335C1E9R0DD01D
			10pF	±5%	0.3	490-3142-1-ND	.53	3.12	9.00	490-3142-2-ND	15,000	8.64/M	GRM0335C1E100JD01D
			12pF	±5%	0.3	490-3144-1-ND	.43	2.54	7.31	490-3144-2-ND	15,000	7.02/M	GRM0335C1E120JD01D
			13pF	±5%	0.3	490-3145-1-ND	.43	2.54	7.31	490-3145-2-ND	15,000	7.02/M	GRM0335C1E130JD01D
			15pF	±5%	0.3	490-3146-1-ND	.43	2.54	7.31	490-3146-2-ND	15,000	7.02/M	GRM0335C1E150JD01D
			18pF	±5%	0.3	490-3148-1-ND	.53	3.12	9.00	490-3148-2-ND	15,000	8.64/M	GRM0335C1E180JD01D
			20pF	±5%	0.3	490-1252-1-ND	.53	3.12	9.00	490-1252-2-ND	15,000	8.64/M	GRM0335C1E200JD01D
			22pF	±5%	0.3	490-1253-1-ND	.53	3.12	9.00	490-1253-2-ND	15,000	8.64/M	GRM0335C1E220JD01D
			24pF	±5%	0.3	490-3149-1-ND	.43	2.54	7.31	490-3149-2-ND	15,000	7.02/M	GRM0335C1E240JD01D
			27pF	±5%	0.3	490-3150-1-ND	.43	2.54	7.31	490-3150-2-ND	15,000	7.02/M	GRM0335C1E270JD01D
			30pF	±5%	0.3	490-1254-1-ND	.53	3.12	9.00	490-1254-2-ND	15,000	8.64/M	GRM0335C1E300JD01D
			33pF	±5%	0.3	490-1255-1-ND	.53	3.12	9.00	490-1255-2-ND	15,000	8.64/M	GRM0335C1E330JD01D
			39pF	±5%	0.3	490-3152-1-ND	.43	2.54	7.31	490-3152-2-ND	15,000	7.02/M	GRM0335C1E390JD01D
			47pF	±5%	0.3	490-1256-1-ND	.53	3.12	9.00	490-1256-2-ND	15,000	8.64/M	GRM0335C1E470JD01D
			68pF	±5%	0.3	490-3157-1-ND	.43	2.54	7.31	490-3157-2-ND	15,000	7.02/M	GRM0335C1E680JD01D
			82pF	±5%	0.3	490-1257-1-ND	.53	3.12	9.00	490-1257-2-ND	15,000	8.64/M	GRM0335C1E820JD01D
			100pF	±5%	0.3	490-3160-1-ND	.53	3.12	9.00	490-3160-2-ND	15,000	8.64/M	GRM0335C1E101JD01D
	U2J	50	15pF	±5%	0.3	490-3883-1-ND	.67	3.97	11.44	490-3883-2-ND	15,000	11.00/M	GRM0337U1H150JD01D
		25	100pF	±5%	0.3	490-3882-1-ND	.67	3.97	11.44	490-3882-2-ND	15,000	11.00/M	GRM0337U1E101JD01D
	X7R	25	100pF	±10%	0.3	490-3172-1-ND	.43	2.54	7.31	490-3172-2-ND	15,000	7.02/M	GRM033R71E101KA01D
			150pF	±10%	0.3	490-3174-1-ND	.43	2.54	7.31	490-3174-2-ND	15,000	7.02/M	GRM033R71E151KA01D
			220pF	±10%	0.3	490-3176-1-ND	.43	2.54	7.31	490-3176-2-ND	15,000	7.02/M	GRM033R71E221KA01D
			330pF	±10%	0.3	490-3178-1-ND	.43	2.54	7.31	490-3178-2-ND	15,000	7.02/M	GRM033R71E331KA01D
			470pF	±10%	0.3	490-3180-1-ND	.43	2.54	7.31	490-3180-2-ND	15,000	7.02/M	GRM033R71E471KA01D
			680pF	±10%	0.3	490-3182-1-ND	.43	2.54	7.31	490-3182-2-ND	15,000	7.02/M	GRM033R71E681KA01D
			820pF	±10%	0.3	490-3183-1-ND	.43	2.54	7.31	490-3183-2-ND	15,000	7.02/M	GRM033R71E821KA01D
			1000pF	±10%	0.3	490-3184-1-ND	.43	2.54	7.31	490-3184-2-ND	15,000	7.02/M	GRM033R71E102KA01D
			1500pF	±10%	0.3	490-3185-1-ND	.45	2.67	7.69	490-3185-2-ND	15,000	7.38/M	GRM033R71E152KA01D
		16	100pF	±10%	0.3	490-1258-1-ND	.53	3.12	9.00	490-1258-2-ND	15,000	8.64/M	GRM033R71C101KD01D
			150pF	±10%	0.3	490-3186-1-ND	.26	1.56	4.50	490-3186-2-ND	15,000	4.32/M	GRM033R71C151KD01D
			220pF	±10%	0.3	490-3187-1-ND	.35	2.08	6.00	490-3187-2-ND	15,000	5.76/M	GRM033R71C221KD01D
			330pF	±10%	0.3	490-3189-1-ND	.43	2.54	7.31	490-3189-2-ND	15,000	7.02/M	GRM033R71C331KD01D
			470pF	±10%	0.3	490-1259-1-ND	.53	3.12	9.00	490-1259-2-ND	15,000	8.64/M	GRM033R71C471KD01D
			680pF	±10%	0.3	490-1260-1-ND	.53	3.12	9.00	490-1260-2-ND	15,000	8.64/M	GRM033R71C681KD01D
			1000pF	±10%	0.3	490-1261-1-ND	.53	3.12	9.00	490-1261-2-ND	15,000	8.64/M	GRM033R71C102KD01D
			3300pF	±10%	0.3	490-3191-1-ND	.45	2.67	7.69	490-3191-2-ND	15,000	7.38/M	GRM033R71C332KA88D
		10	4700pF	±10%	0.3	490-3192-1-ND	.45	2.67	7.69	490-3192-2-ND	15,000	7.38/M	GRM033R71A472KA01D
			6800pF	±10%	0.3	490-3193-1-ND	.45	2.67	7.69	490-3193-2-ND	15,000	7.38/M	GRM033R71A682KA01D
			10000pF	±10%	0.3	490-3194-1-ND	.45	2.67	7.69	490-3194-2-ND	15,000	7.38/M	GRM033R71A103KA01D
		6.3	10000pF	±10%	0.3	490-1262-1-ND	.86	5.07	14.63	490-1262-2-ND	15,000	14.04/M	GRM033R70J103KA01D
	X6S	4	68000pF	±10%	0.3	490-4513-1-ND **NEW!**	.38	2.26	6.51	490-4513-2-ND **NEW!**	15,000	6.25/M	GRM033C80G683KE19D
			1µF	±10%	0.3	490-4514-1-ND **NEW!**	.44	2.60	7.50	490-4514-2-ND **NEW!**	15,000	7.20/M	GRM033C80G104KE19D
	X5R	10	1500pF	±10%	0.3	490-3161-1-ND	.45	2.67	7.69	490-3161-2-ND	15,000	7.38/M	GRM033R61A152KA01D
			2200pF	±10%	0.3	490-3162-1-ND	.45	2.67	7.69	490-3162-2-ND	15,000	7.38/M	GRM033R61A222KA01D

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			3300pF	±10%	0.3	490-3163-1-ND	.45	2.67	7.69	490-3163-2-ND	15,000	7.38/M	GRM033R61A332KA01D
			4700pF	±10%	0.3	490-3164-1-ND	.45	2.67	7.69	490-3164-2-ND	15,000	7.38/M	GRM033R61A472KA01D
		10	6800pF	±10%	0.3	490-3165-1-ND	.45	2.67	7.69	490-3165-2-ND	15,000	7.38/M	GRM033R61A682KA01D
			10000pF	±10%	0.3	490-3166-1-ND	.45	2.67	7.69	490-3166-2-ND	15,000	7.38/M	GRM033R61A103KA01D
	X5R		15000pF	±10%	0.3	490-3168-1-ND	.52	3.06	8.81	490-3168-2-ND	15,000	8.46/M	GRM033R60J153KE01D
201			22000pF	±10%	0.3	490-3169-1-ND	.55	3.25	9.38	490-3169-2-ND	15,000	9.00/M	GRM033R60J223KE01D
		6.3	33000pF	±10%	0.3	490-3170-1-ND	.59	3.51	10.13	490-3170-2-ND	15,000	9.72/M	GRM033R60J333KE01D
			68000pF	±10%	0.3	490-3171-1-ND	.65	3.84	11.06	490-3171-2-ND	15,000	10.62/M	GRM033R60J683KE19D
			.1µF	±10%	0.3	490-3167-1-ND	.70	4.16	12.00	490-3167-2-ND	15,000	11.52/M	GRM033R60J104KE19D
	Y5V	10	4700pF	+80%, -20%	0.3	490-3197-1-ND	.47	2.80	8.06	490-3197-2-ND	15,000	7.74/M	GRM033F51A472ZD01D
			10000pF	+80%, -20%	0.3	490-3195-1-ND	.47	2.80	8.06	490-3195-2-ND	15,000	7.74/M	GRM033F51A103ZD01D
			.5pF	±.25pF	0.5	490-1263-1-ND	.34	2.02	5.81	490-1263-2-ND	10,000	5.58/M	GRM1555C1HR50CZ01D
			.75pF	±.25pF	0.5	490-1264-1-ND	.34	2.02	5.81	490-1264-2-ND	10,000	5.58/M	GRM1555C1HR75GZ01D
			1.2pF	±.25pF	0.5	490-1265-1-ND	.34	2.02	5.81	490-1265-2-ND	10,000	5.58/M	GRM1555C1H1R2CZ01D
			1.5pF	±.25pF	0.5	490-1266-1-ND	.34	2.02	5.81	490-1266-2-ND	10,000	5.58/M	GRM1555C1H1R5CZ01D
			1.8pF	±.25pF	0.5	490-3203-1-ND	.30	1.76	5.06	490-3203-2-ND	10,000	4.86/M	GRM1555C1H1R8CZ01D
			2.2pF	±.25pF	0.5	490-1267-1-ND	.34	2.02	5.81	490-1267-2-ND	10,000	5.58/M	GRM1555C1H2R2CZ01D
			2.4pF	±.25pF	0.5	490-1268-1-ND	.34	2.02	5.81	490-1268-2-ND	10,000	5.58/M	GRM1555C1H2R4CZ01D
			2.7pF	±.25pF	0.5	490-1269-1-ND	.34	2.02	5.81	490-1269-2-ND	10,000	5.58/M	GRM1555C1H2R7CZ01D
			3.0pF	±.25pF	0.5	490-3205-1-ND	.30	1.76	5.06	490-3205-2-ND	10,000	4.86/M	GRM1555C1H3R0CZ01D
			3.3pF	±.25pF	0.5	490-1270-1-ND	.34	2.02	5.81	490-1270-2-ND	10,000	5.58/M	GRM1555C1H3R3CZ01D
			3.6pF	±.25pF	0.5	490-1271-1-ND	.34	2.02	5.81	490-1271-2-ND	10,000	5.58/M	GRM1555C1H3R6CZ01D
			3.9pF	±.25pF	0.5	490-1272-1-ND	.34	2.02	5.81	490-1272-2-ND	10,000	5.58/M	GRM1555C1H3R9CZ01D
			4.0pF	±.25pF	0.5	490-3206-1-ND	.30	1.76	5.06	490-3206-2-ND	10,000	4.86/M	GRM1555C1H4R0CZ01D
			4.7pF	±.25pF	0.5	490-1273-1-ND	.34	2.02	5.81	490-1273-2-ND	10,000	5.58/M	GRM1555C1H4R7CZ01D
			5.0pF	±.25pF	0.5	490-1274-1-ND	.34	2.02	5.81	490-1274-2-ND	10,000	5.58/M	GRM1555C1H5R0CZ01D
			5.1pF	±.5pF	0.5	490-3208-1-ND	.30	1.76	5.06	490-3208-2-ND	10,000	4.86/M	GRM1555C1H5R1DZ01D
			5.6pF	±.5pF	0.5	490-1275-1-ND	.34	2.02	5.81	490-1275-2-ND	10,000	5.58/M	GRM1555C1H5R6DZ01D
			6.0pF	±.5pF	0.5	490-3209-1-ND	.30	1.76	5.06	490-3209-2-ND	10,000	4.86/M	GRM1555C1H6R0DZ01D
			6.8pF	±.5pF	0.5	490-1276-1-ND	.34	2.02	5.81	490-1276-2-ND	10,000	5.58/M	GRM1555C1H6R8DZ01D
			7.0pF	±.5pF	0.5	490-1277-1-ND	.34	2.02	5.81	490-1277-2-ND	10,000	5.58/M	GRM1555C1H7R0DZ01D
			7.5pF	±.5pF	0.5	490-3211-1-ND	.30	1.76	5.06	490-3211-2-ND	10,000	4.86/M	GRM1555C1H7R5DZ01D
			8.0pF	±.5pF	0.5	490-3212-1-ND	.30	1.76	5.06	490-3212-2-ND	10,000	4.86/M	GRM1555C1H8R0DZ01D
			9.0pF	±.5pF	0.5	490-3214-1-ND	.30	1.76	5.06	490-3214-2-ND	10,000	4.86/M	GRM1555C1H9R0DZ01D
			10pF	±5%	0.5	490-1278-1-ND	.35	2.08	6.00	490-1278-2-ND	10,000	5.76/M	GRM1555C1H100JZ01D
			12pF	±5%	0.5	490-1279-1-ND	.34	2.02	5.81	490-1279-2-ND	10,000	5.58/M	GRM1555C1H120JZ01D
			15pF	±5%	0.5	490-1280-1-ND	.34	2.02	5.81	490-1280-2-ND	10,000	5.58/M	GRM1555C1H150JZ01D
			18pF	±5%	0.5	490-1281-1-ND	.34	2.02	5.81	490-1281-2-ND	10,000	5.58/M	GRM1555C1H180JZ01D
			20pF	±5%	0.5	490-1282-1-ND	.45	2.67	7.69	490-1282-2-ND	10,000	7.38/M	GRM1555C1H200JZ01D
			22pF	±5%	0.5	490-1283-1-ND	.34	2.02	5.81	490-1283-2-ND	10,000	5.58/M	GRM1555C1H220JZ01D
	C0G (NP0)	50	24pF	±5%	0.5	490-3219-1-ND	.39	2.28	6.56	490-3219-2-ND	10,000	6.30/M	GRM1555C1H240JZ01D
			27pF	±5%	0.5	490-1284-1-ND	.34	2.02	5.81	490-1284-2-ND	10,000	5.58/M	GRM1555C1H270JZ01D
			30pF	±5%	0.5	490-1285-1-ND	.45	2.67	7.69	490-1285-2-ND	10,000	7.38/M	GRM1555C1H300JZ01D
			33pF	±5%	0.5	490-3220-1-ND	.30	1.76	5.06	490-3220-2-ND	10,000	4.86/M	GRM1555C1H330JZ01D
			39pF	±5%	0.5	490-1286-1-ND	.34	2.02	5.81	490-1286-2-ND	10,000	5.58/M	GRM1555C1H390JZ01D
			43pF	±5%	0.5	490-3222-1-ND	.39	2.28	6.56	490-3222-2-ND	10,000	6.30/M	GRM1555C1H430JZ01D
			47pF	±5%	0.5	490-1287-1-ND	.34	2.02	5.81	490-1287-2-ND	10,000	5.58/M	GRM1555C1H470JZ01D
			51pF	±5%	0.5	490-3223-1-ND	.39	2.28	6.56	490-3223-2-ND	10,000	6.30/M	GRM1555C1H510JZ01D
			56pF	±5%	0.5	490-1288-1-ND	.30	1.76	5.06	490-1288-2-ND	10,000	4.86/M	GRM1555C1H560JD01D
			68pF	±5%	0.5	490-1289-1-ND	.30	1.76	5.06	490-1289-2-ND	10,000	4.86/M	GRM1555C1H680JZ01D
			75pF	±5%	0.5	490-3225-1-ND	.39	2.28	6.56	490-3225-2-ND	10,000	6.30/M	GRM1555C1H750JZ01D
			82pF	±5%	0.5	490-1290-1-ND	.30	1.76	5.06	490-1290-2-ND	10,000	4.86/M	GRM1555C1H820JZ01D
			100pF	±5%	0.5	490-3458-1-ND	.30	1.76	5.06	490-3458-2-ND	10,000	4.86/M	GRM1555C1H101JZ01D
			110pF	±5%	0.5	490-3227-1-ND	.51	2.99	8.63	490-3227-2-ND	10,000	8.28/M	GRM1555C1H111JA01D
			120pF	±5%	0.5	490-1292-1-ND	.44	2.60	7.50	490-1292-2-ND	10,000	7.20/M	GRM1555C1H121JA01D
			150pF	±5%	0.5	490-3229-1-ND	.39	2.28	6.56	490-3229-2-ND	10,000	6.30/M	GRM1555C1H151JA01D
			160pF	±5%	0.5	490-3230-1-ND	.51	2.99	8.63	490-3230-2-ND	10,000	8.28/M	GRM1555C1H161JA01D
402			180pF	±5%	0.5	490-3231-1-ND	.39	2.28	6.56	490-3231-2-ND	10,000	6.30/M	GRM1555C1H181JA01D
			200pF	±5%	0.5	490-3232-1-ND	.51	2.99	8.63	490-3232-2-ND	10,000	8.28/M	GRM1555C1H201JA01D
			220pF	±5%	0.5	490-1293-1-ND	.45	2.67	7.69	490-1293-2-ND	10,000	7.38/M	GRM1555C1H221JA01D
			270pF	±5%	0.5	490-1294-1-ND	.59	3.51	10.13	490-1294-2-ND	10,000	9.72/M	GRM1555C1H271JA01D
			330pF	±5%	0.5	490-1295-1-ND	.59	3.51	10.13	490-1295-2-ND	10,000	9.72/M	GRM1555C1H331JA01D
			390pF	±5%	0.5	490-1296-1-ND	.64	3.77	10.88	490-1296-2-ND	10,000	10.44/M	GRM1555C1H391JA01D
			470pF	±5%	0.5	490-1297-1-ND	.64	3.77	10.88	490-1297-2-ND	10,000	10.44/M	GRM1555C1H471JA01D
			510pF	±5%	0.5	490-3237-1-ND	.59	3.51	10.13	490-3237-2-ND	10,000	9.72/M	GRM1555C1H511JA01D
			560pF	±5%	0.5	490-3238-1-ND	.55	3.25	9.38	490-3238-2-ND	10,000	9.00/M	GRM1555C1H561JA01D
			620pF	±5%	0.5	490-3239-1-ND	.59	3.51	10.13	490-3239-2-ND	10,000	9.72/M	GRM1555C1H621JA01D
			680pF	±5%	0.5	490-3240-1-ND	.55	3.25	9.38	490-3240-2-ND	10,000	9.00/M	GRM1555C1H681JA01D
			820pF	±5%	0.5	490-3242-1-ND	.70	4.16	12.00	490-3242-2-ND	10,000	11.52/M	GRM1555C1H821JA01D
			1000pF	±5%	0.5	490-3244-1-ND	.78	4.62	13.31	490-3244-2-ND	10,000	12.78/M	GRM1555C1H102JA01D
		100	4700pF	±10%	0.5	490-3885-1-ND	.34	2.02	5.81	490-3885-2-ND	10,000	6.00/M	GRM155R72A472KA01D
			220pF	±10%	0.5	490-1298-1-ND	.39	2.28	6.56	490-1298-2-ND	10,000	6.30/M	GRM155R71H221KA01D
			270pF	±10%	0.5	490-1299-1-ND	.41	2.41	6.94	490-1299-2-ND	10,000	6.66/M	GRM155R71H271KA01D
			470pF	±10%	0.5	490-1300-1-ND	.39	2.28	6.56	490-1300-2-ND	10,000	6.30/M	GRM155R71H471KA01D
			560pF	±10%	0.5	490-1301-1-ND	.41	2.41	6.94	490-1301-2-ND	10,000	6.66/M	GRM155R71H561KA01D
			680pF	±10%	0.5	490-1302-1-ND	.41	2.41	6.94	490-1302-2-ND	10,000	6.66/M	GRM155R71H681KA01D
			820pF	±10%	0.5	490-3250-1-ND	.37	2.21	6.38	490-3250-2-ND	10,000	6.12/M	GRM155R71H821KA01D
			1000pF	±10%	0.5	490-1303-1-ND	.24	1.42	4.11	490-1303-2-ND	10,000	3.95/M	GRM155R71H102KA01D
			1200pF	±10%	0.5	490-1304-1-ND	.45	2.67	7.69	490-1304-2-ND	10,000	7.38/M	GRM155R71H122KA01D
		50	1500pF	±10%	0.5	490-3245-1-ND	.40	2.34	6.75	490-3245-2-ND	10,000	6.48/M	GRM155R71H152KA01D
			2200pF	±10%	0.5	490-1305-1-ND	.32	1.89	5.44	490-1305-2-ND	10,000	5.22/M	GRM155R71H222KA01D
			2700pF	±10%	0.5	490-1306-1-ND	.45	2.67	7.69	490-1306-2-ND	10,000	7.38/M	GRM155R71H272KA01D
			3900pF	±10%	0.5	490-1307-1-ND	.45	2.67	7.69	490-1307-2-ND	10,000	7.38/M	GRM155R71H392KA01D
			4700pF	±10%	0.5	490-1308-1-ND	.32	1.89	5.44	490-1308-2-ND	10,000	5.22/M	GRM155R71H472KA01D
			6800pF	±10%	0.5	490-4515-1-ND **NEW!**	.30	1.76	5.08	490-4515-2-ND **NEW!**	10,000	3.87/M	GRM155R71H682KA88D
	X7R		10000pF	±10%	0.5	490-4516-1-ND **NEW!**	.21	1.24	3.56	490-4516-2-ND **NEW!**	10,000	2.71/M	GRM155R71H103KA88D
			15000pF	±10%	0.5	490-4517-1-ND **NEW!**	.33	1.94	5.59	490-4517-2-ND **NEW!**	10,000	4.25/M	GRM155R71H153KA12D
			.02µF	±10%	0.5	490-3884-1-ND	.36	2.15	6.19	490-3884-2-ND	10,000	6.00/M	GRM155R71H223KA12D
			4700pF	±10%	0.5	490-1309-1-ND	.32	1.89	5.44	490-1309-2-ND	10,000	5.22/M	GRM155R71E472KA01D
			6800pF	±10%	0.5	490-1310-1-ND	.45	2.67	7.69	490-1310-2-ND	10,000	7.38/M	GRM155R71E682KA01D
			8200pF	±10%	0.5	490-1311-1-ND	.53	3.12	9.00	490-1311-2-ND	10,000	8.64/M	GRM155R71E822KA01D
		25	10000pF	±10%	0.5	490-1312-1-ND	.32	1.89	5.44	490-1312-2-ND	10,000	5.22/M	GRM155R71E103KA01D
			15000pF	±10%	0.5	490-3251-1-ND	.51	2.99	8.63	490-3251-2-ND	10,000	8.28/M	GRM155R71E153KA61D
			22000pF	±10%	0.5	490-3252-1-ND	.42	2.47	7.13	490-3252-2-ND	10,000	6.84/M	GRM155R71E223KA61D
			33000pF	±10%	0.5	490-3253-1-ND	.81	4.81	13.88	490-3253-2-ND	10,000	13.32/M	GRM155R71E333KA88D
			47000pF	±10%	0.5	490-3254-1-ND	.52	3.06	8.81	490-3254-2-ND	10,000	8.46/M	GRM155R71E473KA88D
			10000pF	±10%	0.5	490-1313-1-ND	.32	1.89	5.44	490-1313-2-ND	10,000	5.22/M	GRM155R71C103KA01D
			15000pF	±10%	0.5	490-1314-1-ND	.53	3.12	9.00	490-1314-2-ND	10,000	8.64/M	GRM155R71C153KA01D
		16	22000pF	±10%	0.5	490-3256-1-ND	.35	2.08	6.00	490-3256-2-ND	10,000	5.76/M	GRM155R71C223KA01D
			.1µF	±10%	0.5	490-3261-1-ND	.37	2.21	6.38	490-3261-2-ND	10,000	6.12/M	GRM155R71C104KA88D
		10	33000pF	±10%	0.5	490-1315-1-ND	.92	5.46	15.75	490-1315-2-ND	10,000	15.12/M	GRM155R71A333KA01D
			47000pF	±10%	0.5	490-1316-1-ND	.58	3.45	9.94	490-1316-2-ND	10,000	9.54/M	GRM155R71A473KA01D
			68000pF	±10%	0.5	490-1317-1-ND	.92	5.46	15.75	490-1317-2-ND	10,000	15.12/M	GRM155R61A683KA01D
	X5R	10	.1µF	±10%	0.5	490-1318-1-ND	.51	2.99	8.63	490-1318-2-ND	10,000	8.28/M	GRM155R61A104KA01D
			.22µF	±10%	0.5	490-3910-1-ND	1.24	7.35	21.19	490-3910-2-ND	10,000	13.00/M	GRM155R61A224KE19D

(Continued)

Multilayer Ceramic Chip Capacitors (Cont.)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			.33µF	±10%	0.5	490-3263-1-ND	1.67	9.88	28.50	490-3263-2-ND	10,000	27.36/M	GRM155R61A334KE15D
			.47µF	±10%	0.5	490-3264-1-ND	1.64	9.69	27.94	490-3264-2-ND	10,000	26.82/M	GRM155R61A474KE15D
		10	1µF	±10%	0.5	490-3890-1-ND	.78	4.62	13.31	490-3890-2-ND	10,000	13.00/M	GRM155R61A105KE15D
			.33µF	±10%	0.5	490-3265-1-ND	1.67	9.88	28.50	490-3265-2-ND	10,000	27.36/M	GRM155R60J334KE01D
			.47µF	±10%	0.5	490-3266-1-ND	1.64	9.69	27.94	490-3266-2-ND	10,000	26.82/M	GRM155R60J474KE19D
	X5R	6.3	1.0µF	±10%	0.5	490-1320-1-ND	1.97	11.64	33.56	490-1320-2-ND	10,000	32.22/M	GRM155R60J105KE19D
			1.0µF	±20%	0.5	490-1319-1-ND	1.97	11.64	33.56	490-1319-2-ND	10,000	32.22/M	GRM155R60J105ME19D
			2.2µF	±20%	0.5	490-4519-1-ND **NEW!**	3.71	21.91	63.21	490-4519-2-ND **NEW!**	10,000	48.04/M	GRM155R60G225ME15D
		4	2.2µF	±20%	0.5	490-4518-1-ND **NEW!**	3.71	21.91	63.21	490-4518-2-ND **NEW!**	10,000	48.04/M	GRM155R60J225ME15D
			2200pF	+80, -20%	0.5	490-1321-1-ND	.44	2.60	7.50	490-1321-2-ND	10,000	7.20/M	GRM155F51H222ZA01D
		50	4700pF	+80, -20%	0.5	490-1322-1-ND	.44	2.60	7.50	490-1322-2-ND	10,000	7.20/M	GRM155F51H472ZA01D
			10000pF	+80, -20%	0.5	490-1323-1-ND	.34	2.02	5.81	490-1323-2-ND	10,000	5.58/M	GRM155F51H103ZA01D
0402			10000pF	+80, -20%	0.5	490-1324-1-ND	.34	2.02	5.81	490-1324-2-ND	10,000	5.58/M	GRM155F51E103ZA01D
			22000pF	+80, -20%	0.5	490-1325-1-ND	.36	2.15	6.19	490-1325-2-ND	10,000	5.94/M	GRM155F51E223ZA01D
		25	47000pF	+80, -20%	0.5	490-3270-1-ND	.32	1.89	5.44	490-3270-2-ND	10,000	5.22/M	GRM155F51E473ZA01D
			.1µF	+80, -20%	0.5	490-3271-1-ND	.31	1.82	5.25	490-3271-2-ND	10,000	5.04/M	GRM155F51E104ZA01D
			22000pF	+80, -20%	0.5	490-3272-1-ND	.32	1.89	5.44	490-3272-2-ND	10,000	5.22/M	GRM155F51C223ZA01D
	Y5V		47000pF	+80, -20%	0.5	490-1326-1-ND	.36	2.15	6.19	490-1326-2-ND	10,000	5.94/M	GRM155F51C473ZA01D
		16	.1µF	+80, -20%	0.5	490-1327-1-ND	.35	2.08	6.00	490-1327-2-ND	10,000	5.76/M	GRM155F51C104ZA01D
			.22µF	+80, -20%	0.5	490-3273-1-ND	.70	4.16	12.00	490-3273-2-ND	10,000	11.52/M	GRM155F51C224ZA01D
			.47µF	+80, -20%	0.5	490-3274-1-ND	.69	4.10	11.81	490-3274-2-ND	10,000	11.34/M	GRM155F51C474ZA01D
			.33µF	+80, -20%	0.5	490-3275-1-ND	.70	4.16	12.00	490-3275-2-ND	10,000	11.52/M	GRM155F51A334ZE01D
		10	.47µF	+80, -20%	0.5	490-3276-1-ND	.74	4.36	12.56	490-3276-2-ND	10,000	12.06/M	GRM155F51A474ZE01D
			.1µF	+80, -20%	0.5	490-3277-1-ND	.31	1.82	5.25	490-3277-2-ND	10,000	5.04/M	GRM155F50J104ZA01D
		6.3	.68µF	+80, -20%	0.5	490-3278-1-ND	.78	4.62	13.31	490-3278-2-ND	10,000	12.78/M	GRM155F50J684ZE01D
			10pF	±.25pF	0.8	490-3279-1-ND	.55	3.25	9.38	490-3279-2-ND	4,000	9.00/M	GRM1885C2A100RA01D
			11pF	±5%	0.8	490-1328-1-ND	.59	3.51	10.13	490-1328-2-ND	4,000	9.72/M	GRM1885C2A110JA01D
			12pF	±5%	0.8	490-1329-1-ND	.55	3.25	9.38	490-1329-2-ND	4,000	9.00/M	GRM1885C2A120JA01D
			13pF	±5%	0.8	490-1330-1-ND	.62	3.64	10.50	490-1330-2-ND	4,000	10.08/M	GRM1885C2A130JA01D
			15pF	±5%	0.8	490-1331-1-ND	.55	3.25	9.38	490-1331-2-ND	4,000	9.00/M	GRM1885C2A150JA01D
			16pF	±5%	0.8	490-1332-1-ND	.62	3.64	10.50	490-1332-2-ND	4,000	10.08/M	GRM1885C2A160JA01D
			18pF	±5%	0.8	490-1333-1-ND	.55	3.25	9.38	490-1333-2-ND	4,000	9.00/M	GRM1885C2A180JA01D
			20pF	±5%	0.8	490-1334-1-ND	.59	3.51	10.13	490-1334-2-ND	4,000	9.72/M	GRM1885C2A200JA01D
			22pF	±5%	0.8	490-1335-1-ND	.55	3.25	9.38	490-1335-2-ND	4,000	9.00/M	GRM1885C2A220JA01D
			24pF	±5%	0.8	490-1336-1-ND	.62	3.64	10.50	490-1336-2-ND	4,000	10.08/M	GRM1885C2A240JA01D
			27pF	±5%	0.8	490-1337-1-ND	.55	3.25	9.38	490-1337-2-ND	4,000	9.00/M	GRM1885C2A270JA01D
			30pF	±5%	0.8	490-1338-1-ND	.62	3.64	10.50	490-1338-2-ND	4,000	10.08/M	GRM1885C2A300JA01D
			33pF	±5%	0.8	490-1339-1-ND	.55	3.25	9.38	490-1339-2-ND	4,000	9.00/M	GRM1885C2A330JA01D
			36pF	±5%	0.8	490-1340-1-ND	.62	3.64	10.50	490-1340-2-ND	4,000	10.08/M	GRM1885C2A360JA01D
			39pF	±5%	0.8	490-1341-1-ND	.55	3.25	9.38	490-1341-2-ND	4,000	9.00/M	GRM1885C2A390JA01D
			43pF	±5%	0.8	490-1342-1-ND	.59	3.51	10.13	490-1342-2-ND	4,000	9.72/M	GRM1885C2A430JA01D
			47pF	±5%	0.8	490-1343-1-ND	.55	3.25	9.38	490-1343-2-ND	4,000	9.00/M	GRM1885C2A470JA01D
			51pF	±5%	0.8	490-1344-1-ND	.59	3.51	10.13	490-1344-2-ND	4,000	9.72/M	GRM1885C2A510JA01D
			56pF	±5%	0.8	490-1345-1-ND	.55	3.25	9.38	490-1345-2-ND	4,000	9.00/M	GRM1885C2A560JA01D
			62pF	±5%	0.8	490-1346-1-ND	.59	3.51	10.13	490-1346-2-ND	4,000	9.72/M	GRM1885C2A620JA01D
			68pF	±5%	0.8	490-1347-1-ND	.55	3.25	9.38	490-1347-2-ND	4,000	9.00/M	GRM1885C2A680JA01D
			75pF	±5%	0.8	490-1348-1-ND	.59	3.51	10.13	490-1348-2-ND	4,000	9.72/M	GRM1885C2A750JA01D
			82pF	±5%	0.8	490-1349-1-ND	.55	3.25	9.38	490-1349-2-ND	4,000	9.00/M	GRM1885C2A820JA01D
		100	91pF	±5%	0.8	490-1350-1-ND	.59	3.51	10.13	490-1350-2-ND	4,000	9.72/M	GRM1885C2A910JA01D
			100pF	±5%	0.8	490-1351-1-ND	.55	3.25	9.38	490-1351-2-ND	4,000	9.00/M	GRM1885C2A101JA01D
			110pF	±5%	0.8	490-1352-1-ND	.81	4.81	13.88	490-1352-2-ND	4,000	13.32/M	GRM1885C2A111JA01D
			120pF	±5%	0.8	490-1353-1-ND	.79	4.68	13.50	490-1353-2-ND	4,000	12.96/M	GRM1885C2A121JA01D
			130pF	±5%	0.8	490-1354-1-ND	.81	4.81	13.88	490-1354-2-ND	4,000	13.32/M	GRM1885C2A131JA01D
			150pF	±5%	0.8	490-1355-1-ND	.63	3.71	10.69	490-1355-2-ND	4,000	10.26/M	GRM1885C2A151JA01D
			160pF	±5%	0.8	490-1356-1-ND	.81	4.81	13.88	490-1356-2-ND	4,000	13.32/M	GRM1885C2A161JA01D
			180pF	±5%	0.8	490-1357-1-ND	.79	4.68	13.50	490-1357-2-ND	4,000	12.96/M	GRM1885C2A181JA01D
			200pF	±5%	0.8	490-1358-1-ND	.85	5.01	14.44	490-1358-2-ND	4,000	13.86/M	GRM1885C2A201JA01D
			220pF	±5%	0.8	490-1359-1-ND	.70	4.16	12.00	490-1359-2-ND	4,000	11.52/M	GRM1885C2A221JA01D
			240pF	±5%	0.8	490-1360-1-ND	.92	5.46	15.75	490-1360-2-ND	4,000	15.12/M	GRM1885C2A241JA01D
			270pF	±5%	0.8	490-1361-1-ND	.88	5.20	15.00	490-1361-2-ND	4,000	14.40/M	GRM1885C2A271JA01D
			300pF	±5%	0.8	490-1362-1-ND	.95	5.59	16.13	490-1362-2-ND	4,000	15.48/M	GRM1885C2A301JA01D
			330pF	±5%	0.8	490-1363-1-ND	.75	4.42	12.75	490-1363-2-ND	4,000	12.24/M	GRM1885C2A331JA01D
			360pF	±5%	0.8	490-1364-1-ND	.95	5.59	16.13	490-1364-2-ND	4,000	15.48/M	GRM1885C2A361JA01D
			390pF	±5%	0.8	490-1365-1-ND	.92	5.46	15.75	490-1365-2-ND	4,000	15.12/M	GRM1885C2A391JA01D
			430pF	±5%	0.8	490-1366-1-ND	.95	5.59	16.13	490-1366-2-ND	4,000	15.48/M	GRM1885C2A431JA01D
0603	C0G (NP0)		470pF	±5%	0.8	490-1367-1-ND	.80	4.75	13.69	490-1367-2-ND	4,000	13.14/M	GRM1885C2A471JA01D
			510pF	±5%	0.8	490-1368-1-ND	1.07	6.31	18.19	490-1368-2-ND	4,000	17.46/M	GRM1885C2A511JA01D
			560pF	±5%	0.8	490-1369-1-ND	1.02	6.05	17.44	490-1369-2-ND	4,000	16.74/M	GRM1885C2A561JA01D
			680pF	±5%	0.8	490-3280-1-ND	1.21	7.15	20.63	490-3280-2-ND	4,000	19.80/M	GRM1885C2A681JA01D
			1000pF	±5%	0.8	490-3281-1-ND	1.27	7.48	21.56	490-3281-2-ND	4,000	20.70/M	GRM1885C2A102JA01D
			.5pF	±.25pF	0.8	490-1370-1-ND	.69	4.10	11.81	490-1370-2-ND	4,000	11.34/M	GRM1885C1HR50CZ01D
			.75pF	±.25pF	0.8	490-1371-1-ND	.69	4.10	11.81	490-1371-2-ND	4,000	11.34/M	GRM1885C1HR75CZ01D
			1.0pF	±.25pF	0.8	490-1372-1-ND	.69	4.10	11.81	490-1372-2-ND	4,000	11.34/M	GRM1885C1H1R0CZ01D
			1.1pF	±.25pF	0.8	490-1373-1-ND	.69	4.10	11.81	490-1373-2-ND	4,000	11.34/M	GRM1885C1H1R1CZ01D
			1.2pF	±.25pF	0.8	490-1374-1-ND	.69	4.10	11.81	490-1374-2-ND	4,000	11.34/M	GRM1885C1H1R2CZ01D
			1.3pF	±.25pF	0.8	490-1375-1-ND	.69	4.10	11.81	490-1375-2-ND	4,000	11.34/M	GRM1885C1H1R3CZ01D
			1.5pF	±.25pF	0.8	490-1376-1-ND	.69	4.10	11.81	490-1376-2-ND	4,000	11.34/M	GRM1885C1H1R5CZ01D
			1.6pF	±.25pF	0.8	490-1377-1-ND	.69	4.10	11.81	490-1377-2-ND	4,000	11.34/M	GRM1885C1H1R6CZ01D
			1.8pF	±.25pF	0.8	490-1378-1-ND	.69	4.10	11.81	490-1378-2-ND	4,000	11.34/M	GRM1885C1H1R8CZ01D
			2.0pF	±.25pF	0.8	490-1379-1-ND	.69	4.10	11.81	490-1379-2-ND	4,000	11.34/M	GRM1885C1H2R0CZ01D
			2.2pF	±.25pF	0.8	490-1380-1-ND	.69	4.10	11.81	490-1380-2-ND	4,000	11.34/M	GRM1885C1H2R2CZ01D
			2.4pF	±.25pF	0.8	490-1381-1-ND	.69	4.10	11.81	490-1381-2-ND	4,000	11.34/M	GRM1885C1H2R4CZ01D
			2.7pF	±.25pF	0.8	490-1382-1-ND	.69	4.10	11.81	490-1382-2-ND	4,000	11.34/M	GRM1885C1H2R7CZ01D
			3.0pF	±.25pF	0.8	490-1383-1-ND	.69	4.10	11.81	490-1383-2-ND	4,000	11.34/M	GRM1885C1H3R0CZ01D
			3.3pF	±.25pF	0.8	490-1384-1-ND	.69	4.10	11.81	490-1384-2-ND	4,000	11.34/M	GRM1885C1H3R3CZ01D
			3.6pF	±.25pF	0.8	490-1385-1-ND	.69	4.10	11.81	490-1385-2-ND	4,000	11.34/M	GRM1885C1H3R6CZ01D
			3.9pF	±.25pF	0.8	490-1386-1-ND	.69	4.10	11.81	490-1386-2-ND	4,000	11.34/M	GRM1885C1H3R9CZ01D
			4.0pF	±.25pF	0.8	490-1387-1-ND	.69	4.10	11.81	490-1387-2-ND	4,000	11.34/M	GRM1885C1H4R0CZ01D
			4.3pF	±.25pF	0.8	490-1388-1-ND	.69	4.10	11.81	490-1388-2-ND	4,000	11.34/M	GRM1885C1H4R3CZ01D
			4.7pF	±.25pF	0.8	490-1389-1-ND	.69	4.10	11.81	490-1389-2-ND	4,000	11.34/M	GRM1885C1H4R7CZ01D
			5.0pF	±.25pF	0.8	490-1390-1-ND	.69	4.10	11.81	490-1390-2-ND	4,000	11.34/M	GRM1885C1H5R0CZ01D
			5.1pF	±.5pF	0.8	490-1391-1-ND	.69	4.10	11.81	490-1391-2-ND	4,000	11.34/M	GRM1885C1H5R1DZ01D
			5.6pF	±.5pF	0.8	490-1392-1-ND	.69	4.10	11.81	490-1392-2-ND	4,000	11.34/M	GRM1885C1H5R6DZ01D
			6.0pF	±.5pF	0.8	490-1393-1-ND	.69	4.10	11.81	490-1393-2-ND	4,000	11.34/M	GRM1885C1H6R0DZ01D
			6.2pF	±.5pF	0.8	490-1394-1-ND	.69	4.10	11.81	490-1394-2-ND	4,000	11.34/M	GRM1885C1H6R2DZ01D
			6.8pF	±.25pF	0.8	490-1395-1-ND	.80	4.75	13.69	490-1395-2-ND	4,000	13.14/M	GRM1885C1H6R8CZ01D
			6.8pF	±.5pF	0.8	490-1396-1-ND	.69	4.10	11.81	490-1396-2-ND	4,000	11.34/M	GRM1885C1H6R8DZ01D
			7.0pF	±.5pF	0.8	490-1397-1-ND	.69	4.10	11.81	490-1397-2-ND	4,000	11.34/M	GRM1885C1H7R0DZ01D
			7.5pF	±.5pF	0.8	490-1398-1-ND	.69	4.10	11.81	490-1398-2-ND	4,000	11.34/M	GRM1885C1H7R5DZ01D
			8.0pF	±.5pF	0.8	490-1399-1-ND	.69	4.10	11.81	490-1399-2-ND	4,000	11.34/M	GRM1885C1H8R0DZ01D
			8.2pF	±.5pF	0.8	490-1400-1-ND	.69	4.10	11.81	490-1400-2-ND	4,000	11.34/M	GRM1885C1H8R2DZ01D
			9.0pF	±.5pF	0.8	490-1401-1-ND	.69	4.10	11.81	490-1401-2-ND	4,000	11.34/M	GRM1885C1H9R0DZ01D
			9.1pF	±.5pF	0.8	490-1402-1-ND	.69	4.10	11.81	490-1402-2-ND	4,000	11.34/M	GRM1885C1H9R1DZ01D
			10pF	±5%	0.8	490-1403-1-ND	.69	4.10	11.81	490-1403-2-ND	4,000	11.34/M	GRM1885C1H100JA01D
			11pF	±5%	0.8	490-1404-1-ND	.72	4.23	12.19	490-1404-2-ND	4,000	11.70/M	GRM1885C1H110JA01D

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Multilayer Ceramic Chip Capacitors (Cont.)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			12pF	±5%	0.8	490-1405-1-ND	.69	4.10	11.81	490-1405-2-ND	4,000	11.34/M	GRM1885C1H120JA01D
			13pF	±5%	0.8	490-1406-1-ND	.72	4.23	12.19	490-1406-2-ND	4,000	11.70/M	GRM1885C1H130JA01D
			15pF	±5%	0.8	490-1407-1-ND	.69	4.10	11.81	490-1407-2-ND	4,000	11.34/M	GRM1885C1H150JA01D
			16pF	±5%	0.8	490-1408-1-ND	.72	4.23	12.19	490-1408-2-ND	4,000	11.70/M	GRM1885C1H160JA01D
			18pF	±5%	0.8	490-1409-1-ND	.69	4.10	11.81	490-1409-2-ND	4,000	11.34/M	GRM1885C1H180JA01D
			20pF	±5%	0.8	490-1410-1-ND	.72	4.23	12.19	490-1410-2-ND	4,000	11.70/M	GRM1885C1H200JA01D
			22pF	±5%	0.8	490-1411-1-ND	.69	4.10	11.81	490-1411-2-ND	4,000	11.34/M	GRM1885C1H220JA01D
			24pF	±5%	0.8	490-1412-1-ND	.72	4.23	12.19	490-1412-2-ND	4,000	11.70/M	GRM1885C1H240JA01D
			27pF	±5%	0.8	490-1413-1-ND	.69	4.10	11.81	490-1413-2-ND	4,000	11.34/M	GRM1885C1H270JA01D
			30pF	±5%	0.8	490-1414-1-ND	.72	4.23	12.19	490-1414-2-ND	4,000	11.70/M	GRM1885C1H300JA01D
			33pF	±5%	0.8	490-1415-1-ND	.69	4.10	11.81	490-1415-2-ND	4,000	11.34/M	GRM1885C1H330JA01D
			36pF	±5%	0.8	490-1416-1-ND	.72	4.23	12.19	490-1416-2-ND	4,000	11.70/M	GRM1885C1H360JA01D
			39pF	±5%	0.8	490-1417-1-ND	.69	4.10	11.81	490-1417-2-ND	4,000	11.34/M	GRM1885C1H390JA01D
			43pF	±5%	0.8	490-1418-1-ND	.72	4.23	12.19	490-1418-2-ND	4,000	11.70/M	GRM1885C1H430JA01D
			47pF	±5%	0.8	490-1419-1-ND	.69	4.10	11.81	490-1419-2-ND	4,000	11.34/M	GRM1885C1H470JA01D
			51pF	±5%	0.8	490-1420-1-ND	.72	4.23	12.19	490-1420-2-ND	4,000	11.70/M	GRM1885C1H510JA01D
			56pF	±5%	0.8	490-1421-1-ND	.69	4.10	11.81	490-1421-2-ND	4,000	11.34/M	GRM1885C1H560JA01D
			62pF	±5%	0.8	490-1422-1-ND	.72	4.23	12.19	490-1422-2-ND	4,000	11.70/M	GRM1885C1H620JA01D
			68pF	±5%	0.8	490-1423-1-ND	.69	4.10	11.81	490-1423-2-ND	4,000	11.34/M	GRM1885C1H680JA01D
			75pF	±5%	0.8	490-1424-1-ND	.72	4.23	12.19	490-1424-2-ND	4,000	11.70/M	GRM1885C1H750JA01D
			82pF	±5%	0.8	490-1425-1-ND	.69	4.10	11.81	490-1425-2-ND	4,000	11.34/M	GRM1885C1H820JA01D
			91pF	±5%	0.8	490-1426-1-ND	.72	4.23	12.19	490-1426-2-ND	4,000	11.70/M	GRM1885C1H910JA01D
			100pF	±5%	0.8	490-1427-1-ND	.69	4.10	11.81	490-1427-2-ND	4,000	11.34/M	GRM1885C1H101JA01D
			110pF	±5%	0.8	490-1428-1-ND	1.03	6.11	17.63	490-1428-2-ND	4,000	16.92/M	GRM1885C1H111JA01D
			120pF	±5%	0.8	490-1429-1-ND	.99	5.85	16.88	490-1429-2-ND	4,000	16.20/M	GRM1885C1H121JA01D
			130pF	±5%	0.8	490-1430-1-ND	1.05	6.18	17.81	490-1430-2-ND	4,000	17.10/M	GRM1885C1H131JA01D
			150pF	±5%	0.8	490-1431-1-ND	1.23	7.28	21.00	490-1431-2-ND	4,000	20.16/M	GRM1885C1H151JA01D
			160pF	±5%	0.8	490-1432-1-ND	1.03	6.11	17.63	490-1432-2-ND	4,000	16.92/M	GRM1885C1H161JA01D
			180pF	±5%	0.8	490-1433-1-ND	.99	5.85	16.88	490-1433-2-ND	4,000	16.20/M	GRM1885C1H181JA01D
	C0G (NP0)	50	200pF	±5%	0.8	490-1434-1-ND	1.05	6.18	17.81	490-1434-2-ND	4,000	17.10/M	GRM1885C1H201JA01D
			220pF	±5%	0.8	490-1435-1-ND	1.01	5.98	17.25	490-1435-2-ND	4,000	16.56/M	GRM1885C1H221JA01D
			240pF	±5%	0.8	490-1436-1-ND	1.09	6.44	18.56	490-1436-2-ND	4,000	17.82/M	GRM1885C1H241JA01D
			270pF	±5%	0.8	490-1437-1-ND	1.22	7.22	20.81	490-1437-2-ND	4,000	19.98/M	GRM1885C1H271JA01D
			300pF	±5%	0.8	490-1438-1-ND	1.13	6.70	19.31	490-1438-2-ND	4,000	18.54/M	GRM1885C1H301JA01D
			330pF	±5%	0.8	490-1439-1-ND	1.11	6.57	18.94	490-1439-2-ND	4,000	18.18/M	GRM1885C1H331JA01D
			360pF	±5%	0.8	490-1440-1-ND	1.13	6.70	19.31	490-1440-2-ND	4,000	18.54/M	GRM1885C1H361JA01D
			390pF	±5%	0.8	490-1441-1-ND	1.10	6.50	18.75	490-1441-2-ND	4,000	18.00/M	GRM1885C1H391JA01D
			430pF	±5%	0.8	490-1442-1-ND	1.18	6.96	20.06	490-1442-2-ND	4,000	19.26/M	GRM1885C1H431JA01D
			470pF	±5%	0.8	490-1443-1-ND	1.03	6.11	17.63	490-1443-2-ND	4,000	16.92/M	GRM1885C1H471JA01D
			510pF	±5%	0.8	490-1444-1-ND	1.34	7.93	22.88	490-1444-2-ND	4,000	21.96/M	GRM1885C1H511JA01D
			560pF	±5%	0.8	490-1445-1-ND	1.25	7.41	21.38	490-1445-2-ND	4,000	20.52/M	GRM1885C1H561JA01D
			620pF	±5%	0.8	490-1446-1-ND	.94	5.53	15.94	490-1446-2-ND	4,000	15.30/M	GRM1885C1H621JA01D
			680pF	±5%	0.8	490-1447-1-ND	1.22	7.22	20.81	490-1447-2-ND	4,000	19.98/M	GRM1885C1H681JA01D
			750pF	±5%	0.8	490-1448-1-ND	1.17	6.89	19.88	490-1448-2-ND	4,000	19.08/M	GRM1885C1H751JA01D
			820pF	±5%	0.8	490-1449-1-ND	1.12	6.63	19.13	490-1449-2-ND	4,000	18.36/M	GRM1885C1H821JA01D
			910pF	±5%	0.8	490-1450-1-ND	1.17	6.89	19.88	490-1450-2-ND	4,000	19.08/M	GRM1885C1H911JA01D
			1000pF	±5%	0.8	490-1451-1-ND	1.29	7.61	21.94	490-1451-2-ND	4,000	21.06/M	GRM1885C1H102JA01D
			1100pF	±5%	0.8	490-1452-1-ND	1.18	6.96	20.06	490-1452-2-ND	4,000	19.26/M	GRM1885C1H112JA01D
			1200pF	±5%	0.8	490-1453-1-ND	1.18	6.96	20.06	490-1453-2-ND	4,000	19.26/M	GRM1885C1H122JA01D
			1300pF	±5%	0.8	490-1454-1-ND	1.21	7.15	20.63	490-1454-2-ND	4,000	19.80/M	GRM1885C1H132JA01D
			1500pF	±5%	0.8	490-1455-1-ND	1.17	6.89	19.88	490-1455-2-ND	4,000	19.08/M	GRM1885C1H152JA01D
			1600pF	±5%	0.8	490-1456-1-ND	1.30	7.67	22.13	490-1456-2-ND	4,000	21.24/M	GRM1885C1H162JA01D
0603			1800pF	±5%	0.8	490-1457-1-ND	1.27	7.48	21.56	490-1457-2-ND	4,000	20.70/M	GRM1885C1H182JA01D
			2000pF	±5%	0.8	490-1458-1-ND	1.34	7.93	22.88	490-1458-2-ND	4,000	21.96/M	GRM1885C1H202JA01D
			2200pF	±5%	0.8	490-1459-1-ND	1.25	7.41	21.38	490-1459-2-ND	4,000	20.52/M	GRM1885C1H222JA01D
			2400pF	±5%	0.8	490-3282-1-ND	1.55	9.17	26.44	490-3282-2-ND	4,000	25.38/M	GRM1885C1H242JA01D
			2700pF	±5%	0.8	490-3283-1-ND	1.56	9.23	26.63	490-3283-2-ND	4,000	25.56/M	GRM1885C1H272JA01D
			220pF	±10%	0.8	490-3521-1-ND	1.34	7.93	22.88	490-3521-2-ND	4,000	22.00/M	GRM188R72E221KW07D
			330pF	±10%	0.8	490-3522-1-ND	1.34	7.93	22.88	490-3522-2-ND	4,000	22.00/M	GRM188R72E331KW07D
			470pF	±10%	0.8	490-3523-1-ND	1.34	7.93	22.88	490-3523-2-ND	4,000	22.00/M	GRM188R72E471KW07D
		250	680pF	±10%	0.8	490-3524-1-ND	1.34	7.93	22.88	490-3524-2-ND	4,000	22.00/M	GRM188R72E681KW07D
			1000pF	±10%	0.8	490-3526-1-ND	1.34	7.93	22.88	490-3526-2-ND	4,000	22.00/M	GRM188R72E102KW07D
			1500pF	±10%	0.8	490-3528-1-ND	1.83	10.79	31.13	490-3528-2-ND	4,000	30.00/M	GRM188R72E152KW07D
			2200pF	±10%	0.8	490-3530-1-ND	2.01	11.90	34.31	490-3530-2-ND	4,000	33.00/M	GRM188R72E222KW07D
			220pF	±10%	0.8	490-1460-1-ND	.66	3.90	11.25	490-1460-2-ND	4,000	10.80/M	GRM188R72A221KA01D
			220pF	±20%	0.8	490-1461-1-ND	.66	3.90	11.25	490-1461-2-ND	4,000	10.80/M	GRM188R72A221MA01D
			270pF	±10%	0.8	490-1462-1-ND	.67	3.97	11.44	490-1462-2-ND	4,000	10.98/M	GRM188R72A271KA01D
			330pF	±10%	0.8	490-1464-1-ND	.67	3.97	11.44	490-1464-2-ND	4,000	10.98/M	GRM188R72A331KA01D
			330pF	±20%	0.8	490-1463-1-ND	.67	3.97	11.44	490-1463-2-ND	4,000	10.98/M	GRM188R72A331MA01D
			390pF	±10%	0.8	490-1465-1-ND	.67	3.97	11.44	490-1465-2-ND	4,000	10.98/M	GRM188R72A391KA01D
			470pF	±10%	0.8	490-1467-1-ND	.67	3.97	11.44	490-1467-2-ND	4,000	10.98/M	GRM188R72A471KA01D
			470pF	±20%	0.8	490-1466-1-ND	.66	3.90	11.25	490-1466-2-ND	4,000	10.80/M	GRM188R72A471MA01D
			560pF	±10%	0.8	490-1468-1-ND	.68	4.03	11.63	490-1468-2-ND	4,000	11.16/M	GRM188R72A561KA01D
			680pF	±10%	0.8	490-1469-1-ND	.67	3.97	11.44	490-1469-2-ND	4,000	10.98/M	GRM188R72A681KA01D
			680pF	±20%	0.8	490-1470-1-ND	.67	3.97	11.44	490-1470-2-ND	4,000	10.98/M	GRM188R72A681MA01D
			820pF	±10%	0.8	490-1471-1-ND	.67	3.97	11.44	490-1471-2-ND	4,000	10.98/M	GRM188R72A821KA01D
		100	1000pF	±10%	0.8	490-1472-1-ND	.55	3.25	9.38	490-1472-2-ND	4,000	9.00/M	GRM188R72A102KA01D
			1000pF	±20%	0.8	490-1473-1-ND	.54	3.19	9.19	490-1473-2-ND	4,000	8.82/M	GRM188R72A102MA01D
			1200pF	±10%	0.8	490-1474-1-ND	.62	3.64	10.50	490-1474-2-ND	4,000	10.08/M	GRM188R72A122KA01D
			1500pF	±10%	0.8	490-1475-1-ND	.59	3.51	10.13	490-1475-2-ND	4,000	9.72/M	GRM188R72A152KA01D
			1500pF	±20%	0.8	490-1476-1-ND	.58	3.45	9.94	490-1476-2-ND	4,000	9.54/M	GRM188R72A152MA01D
	X7R		1800pF	±10%	0.8	490-1477-1-ND	.63	3.71	10.69	490-1477-2-ND	4,000	10.26/M	GRM188R72A182KA01D
			2200pF	±10%	0.8	490-1478-1-ND	.55	3.25	9.38	490-1478-2-ND	4,000	9.00/M	GRM188R72A222KA01D
			2200pF	±20%	0.8	490-1479-1-ND	.54	3.19	9.19	490-1479-2-ND	4,000	8.82/M	GRM188R72A222MA01D
			2700pF	±10%	0.8	490-1480-1-ND	.67	3.97	11.44	490-1480-2-ND	4,000	10.98/M	GRM188R72A272KA01D
			3300pF	±10%	0.8	490-1481-1-ND	.59	3.51	10.13	490-1481-2-ND	4,000	9.72/M	GRM188R72A332KA01D
			3300pF	±20%	0.8	490-1482-1-ND	.58	3.45	9.94	490-1482-2-ND	4,000	9.54/M	GRM188R72A332MA01D
			22000pF	±10%	0.8	490-3284-1-ND	.78	4.62	13.31	490-3284-2-ND	4,000	12.78/M	GRM188R72A223KA01D
			1µF	±10%	0.8	490-3285-1-ND	2.13	12.61	36.38	490-3285-2-ND	4,000	34.92/M	GRM188R72A104KA35D
			220pF	±10%	0.8	490-1483-1-ND	1.01	5.98	17.25	490-1483-2-ND	4,000	16.56/M	GRM188R71F221KA01D
			220pF	±20%	0.8	490-1484-1-ND	1.01	5.98	17.25	490-1484-2-ND	4,000	16.56/M	GRM188R71F221MA01D
			270pF	±10%	0.8	490-1485-1-ND	.59	3.51	10.13	490-1485-2-ND	4,000	9.72/M	GRM188R71F271KA01D
			330pF	±10%	0.8	490-1486-1-ND	.59	3.51	10.13	490-1486-2-ND	4,000	9.72/M	GRM188R71F331KA01D
			330pF	±20%	0.8	490-1487-1-ND	.58	3.45	9.94	490-1487-2-ND	4,000	9.54/M	GRM188R71F331MA01D
			390pF	±10%	0.8	490-1555-1-ND	.68	4.03	11.63	490-1555-2-ND	4,000	11.16/M	GRM188R71F391KA01D
			470pF	±10%	0.8	490-1489-1-ND	.66	3.90	11.25	490-1489-2-ND	4,000	10.80/M	GRM188R71F471KA01D
			470pF	±20%	0.8	490-1488-1-ND	.66	3.90	11.25	490-1488-2-ND	4,000	10.80/M	GRM188R71F471MA01D
		50	560pF	±10%	0.8	490-1490-1-ND	.67	3.97	11.44	490-1490-2-ND	4,000	10.98/M	GRM188R71F561KA01D
			680pF	±10%	0.8	490-1491-1-ND	.67	3.97	11.44	490-1491-2-ND	4,000	10.98/M	GRM188R71F681KA01D
			680pF	±20%	0.8	490-1492-1-ND	.57	3.38	9.75	490-1492-2-ND	4,000	9.36/M	GRM188R71F681MA01D
			820pF	±10%	0.8	490-1493-1-ND	.68	4.03	11.63	490-1493-2-ND	4,000	11.16/M	GRM188R71F821KA01D
			1000pF	±10%	0.8	490-1494-1-ND	.57	3.38	9.75	490-1494-2-ND	4,000	9.36/M	GRM188R71F102KA01D
			1000pF	±20%	0.8	490-1495-1-ND	.57	3.38	9.75	490-1495-2-ND	4,000	9.36/M	GRM188R71F102MA01D
			1200pF	±10%	0.8	490-1496-1-ND	.61	3.58	10.31	490-1496-2-ND	4,000	9.90/M	GRM188R71F122KA01D
			1500pF	±10%	0.8	490-1498-1-ND	.65	3.84	11.06	490-1498-2-ND	4,000	10.62/M	GRM188R71F152KA01D
			1500pF	±20%	0.8	490-1497-1-ND	.65	3.84	11.06	490-1497-2-ND	4,000	10.62/M	GRM188R71F152MA01D

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Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			1800pF	±10%	0.8	490-1499-1-ND	.66	3.90	11.25	490-1499-2-ND	4,000	10.80/M	GRM188R71H182KA01D
			2200pF	±10%	0.8	490-1500-1-ND	.41	2.41	6.94	490-1500-2-ND	4,000	6.66/M	GRM188R71H222KA01D
			2200pF	±20%	0.8	490-1501-1-ND	.41	2.41	6.94	490-1501-2-ND	4,000	6.66/M	GRM188R71H222KA01D
			2700pF	±10%	0.8	490-1502-1-ND	.68	4.03	11.63	490-1502-2-ND	4,000	11.16/M	GRM188R71H272KA01D
			3300pF	±10%	0.8	490-1503-1-ND	.65	3.84	11.06	490-1503-2-ND	4,000	10.62/M	GRM188R71H332KA01D
			3300pF	±20%	0.8	490-1560-1-ND	.65	3.84	11.06	490-1560-2-ND	4,000	10.62/M	GRM188R71H332MA01D
			3900pF	±10%	0.8	490-1504-1-ND	.68	4.03	11.63	490-1504-2-ND	4,000	11.16/M	GRM188R71H392KA01D
			4700pF	±10%	0.8	490-1506-1-ND	.63	3.71	10.69	490-1506-2-ND	4,000	10.26/M	GRM188R71H472KA01D
			4700pF	±20%	0.8	490-1505-1-ND	.63	3.71	10.69	490-1505-2-ND	4,000	10.26/M	GRM188R71H472MA01D
			8200pF	±10%	0.8	490-1510-1-ND	.75	4.42	12.75	490-1510-2-ND	4,000	12.24/M	GRM188R71H822KA01D
			6800pF	±20%	0.8	490-1509-1-ND	.72	4.23	12.19	490-1509-2-ND	4,000	11.70/M	GRM188R71H682MA01D
			5600pF	±10%	0.8	490-1507-1-ND	.74	4.36	12.56	490-1507-2-ND	4,000	12.06/M	GRM188R71H562KA01D
		50	6800pF	±10%	0.8	490-1508-1-ND	.72	4.23	12.19	490-1508-2-ND	4,000	11.70/M	GRM188R71H682KA01D
			10000pF	±10%	0.8	490-1512-1-ND	.54	3.19	9.19	490-1512-2-ND	4,000	8.82/M	GRM188R71H103KA01D
			10000pF	±20%	0.8	490-1511-1-ND	.54	3.19	9.19	490-1511-2-ND	4,000	8.82/M	GRM188R71H103MA01D
			12000pF	±10%	0.8	490-1513-1-ND	.77	4.55	13.13	490-1513-2-ND	4,000	12.60/M	GRM188R71H123KA01D
			15000pF	±10%	0.8	490-1514-1-ND	.68	4.03	11.63	490-1514-2-ND	4,000	11.16/M	GRM188R71H153KA01D
			15000pF	±20%	0.8	490-1515-1-ND	.57	3.38	9.75	490-1515-2-ND	4,000	9.36/M	GRM188R71H153MA01D
			18000pF	±10%	0.8	490-1516-1-ND	.77	4.55	13.13	490-1516-2-ND	4,000	12.60/M	GRM188R71H183KA01D
			22000pF	±10%	0.8	490-1517-1-ND	.74	4.36	12.56	490-1517-2-ND	4,000	12.06/M	GRM188R71H223KA01D
			22000pF	±20%	0.8	490-1518-1-ND	.59	3.51	10.13	490-1518-2-ND	4,000	9.72/M	GRM188R71H223MA01D
			33000pF	±10%	0.8	490-3286-1-ND	.78	4.62	13.31	490-3286-2-ND	4,000	12.78/M	GRM188R71H333KA01D
			47000pF	±10%	0.8	490-3287-1-ND	.77	4.55	13.13	490-3287-2-ND	4,000	12.60/M	GRM188R71H473KA61D
			68000pF	±10%	0.8	490-3288-1-ND	.86	5.07	14.63	490-3288-2-ND	4,000	14.04/M	GRM188R71H683KA93D
			.1µF	±10%	0.8	490-1519-1-ND	.70	4.16	12.00	490-1519-2-ND	4,000	11.52/M	GRM188R71H104KA93D
		X7R	10000pF	±10%	0.8	490-1520-1-ND	.54	3.19	9.19	490-1520-2-ND	4,000	8.82/M	GRM188R71E103KA01D
			33000pF	±10%	0.8	490-1521-1-ND	1.01	5.98	17.25	490-1521-2-ND	4,000	16.56/M	GRM188R71E333KA01D
			47000pF	±10%	0.8	490-1522-1-ND	1.09	6.44	18.56	490-1522-2-ND	4,000	17.82/M	GRM188R71E473KA01D
		25	68000pF	±10%	0.8	490-1523-1-ND	.77	4.55	13.13	490-1523-2-ND	4,000	12.60/M	GRM188R71E683KA01D
			.1µF	±10%	0.8	490-1524-1-ND	1.18	6.96	20.06	490-1524-2-ND	4,000	19.26/M	GRM188R71E104KA01D
			.22µF	±10%	0.8	490-3290-1-ND	1.35	8.00	23.06	490-3290-2-ND	4,000	22.14/M	GRM188R71E224KA88D
			.47µF	±10%	0.8	490-3291-1-ND	1.63	9.62	27.75	490-3291-2-ND	4,000	26.64/M	GRM188R71E474KA12D
			10000pF	±10%	0.8	490-1525-1-ND	.54	3.19	9.19	490-1525-2-ND	4,000	8.82/M	GRM188R71C103KA01D
			12000pF	±10%	0.8	490-1526-1-ND	.70	4.16	12.00	490-1526-2-ND	4,000	11.52/M	GRM188R71C123KA01D
			22000pF	±10%	0.8	490-1527-1-ND	.72	4.23	12.19	490-1527-2-ND	4,000	11.70/M	GRM188R71C223KA01D
			33000pF	±10%	0.8	490-1528-1-ND	.90	5.33	15.38	490-1528-2-ND	4,000	14.76/M	GRM188R71C333KA01D
			47000pF	±10%	0.8	490-1529-1-ND	1.05	6.18	17.81	490-1529-2-ND	4,000	17.10/M	GRM188R71C473KA01D
			56000pF	±10%	0.8	490-1530-1-ND	1.28	7.54	21.75	490-1530-2-ND	4,000	20.88/M	GRM188R71C563KA01D
		16	68000pF	±10%	0.8	490-1531-1-ND	1.20	7.09	20.44	490-1531-2-ND	4,000	19.62/M	GRM188R71C683KA01D
			.1µF	±10%	0.8	490-1532-1-ND	.90	5.33	15.38	490-1532-2-ND	4,000	14.76/M	GRM188R71C104KA01D
			.15µF	±10%	0.8	490-3292-1-ND	1.09	6.44	18.56	490-3292-2-ND	4,000	17.82/M	GRM188R71C154KA01D
			.22µF	±10%	0.8	490-3293-1-ND	1.35	8.00	23.06	490-3293-2-ND	4,000	22.14/M	GRM188R71C224KA01D
			.33µF	±10%	0.8	490-3294-1-ND	1.55	9.17	26.44	490-3294-2-ND	4,000	25.38/M	GRM188R71C334KA01D
			.47µF	±10%	0.8	490-3295-1-ND	1.56	9.23	26.63	490-3295-2-ND	4,000	25.56/M	GRM188R71C474KA88D
			1.0µF	±10%	0.8	490-3900-1-ND	2.93	17.31	49.93	490-3900-2-ND	4,000	48.00/M	GRM188R71C105KA12D
			.15µF	±10%	0.8	490-1533-1-ND	3.17	18.72	54.00	490-1533-2-ND	4,000	51.84/M	GRM188R71A154KA01D
			.15µF	±20%	0.8	490-1534-1-ND	1.24	7.35	21.19	490-1534-2-ND	4,000	20.34/M	GRM188R71A154MA01D
		10	.22µF	±10%	0.8	490-1535-1-ND	2.62	15.47	44.63	490-1535-2-ND	4,000	42.84/M	GRM188R71A224KA01D
			1.0µF	±10%	0.8	490-3899-1-ND	.69	4.10	11.81	490-3899-2-ND	4,000	11.00/M	GRM188R71A105KA61D
			2.2µF	±10%	0.8	490-4520-1-ND **NEW!**	2.36	13.92	40.14	490-4520-2-ND **NEW!**	4,000	38.54/M	GRM188R71A225KE15D
		6.3	1.0µF	±10%	0.8	490-3898-1-ND	2.81	16.58	47.81	490-3898-2-ND	4,000	46.00/M	GRM188R70J105KA01D
		25	1.0µF	±10%	0.8	490-3897-1-ND	1.85	10.92	31.50	490-3897-2-ND	4,000	30.00/M	GRM188R61E105KA12D
0603			1.0µF	±10%	0.8	490-3894-1-ND	2.74	16.19	46.69	490-3894-2-ND	4,000	45.00/M	GRM185R61C105KE44D
		16	1.0µF	±10%	0.8	490-1536-1-ND	1.53	9.04	26.06	490-1536-2-ND	4,000	25.02/M	GRM188R61C105KA93D
			2.2µF	±10%	0.8	490-3296-1-ND	3.73	22.04	63.56	490-3296-2-ND	4,000	61.00/M	GRM188R61C225KE15D
			.33µF	±10%	0.8	490-1538-1-ND	1.69	10.01	28.88	490-1538-2-ND	4,000	27.72/M	GRM188R61A334KA61D
			.47µF	±10%	0.8	490-1539-1-ND	1.89	11.18	32.25	490-1539-2-ND	4,000	30.96/M	GRM188R61A474KA61D
			.47µF	±20%	0.8	490-1540-1-ND	1.47	8.71	25.13	490-1540-2-ND	4,000	24.12/M	GRM188R61A474MA61D
			.68µF	±10%	0.8	490-1541-1-ND	1.98	11.70	33.75	490-1541-2-ND	4,000	32.40/M	GRM188R61A684KA61D
			.68µF	±20%	0.8	490-1542-1-ND	1.97	11.64	33.56		—	—	GRM188R61A684MA61D
		10	1.0µF	±10%	0.5	490-3893-1-ND	2.62	15.47	44.63	490-3893-2-ND	4,000	43.00/M	GRM185R61A105KE36D
			1.0µF	±10%	0.8	490-1543-1-ND	1.80	10.66	30.75	490-1543-2-ND	4,000	29.52/M	GRM188R61A105KA61D
			1.0µF	±20%	0.8	490-1544-1-ND	1.31	7.74	22.31	490-1544-2-ND	4,000	21.42/M	GRM188R61A105MA61D
			2.2µF	±10%	0.8	490-1545-1-ND	3.36	19.83	57.19	490-1545-2-ND	4,000	54.90/M	GRM188R61A225KE34D
		X5R	2.2µF	±20%	0.8	490-1546-1-ND	2.81	16.58	47.81	490-1546-2-ND	4,000	45.90/M	GRM188R61A225ME34D
			.33µF	±10%	0.8	490-1547-1-ND	1.88	11.12	32.06	490-1547-2-ND	4,000	30.78/M	GRM188R60J334KA01D
			.47µF	±10%	0.8	490-1548-1-ND	1.47	8.71	25.13	490-1548-2-ND	4,000	24.12/M	GRM188R60J474KA01D
			1.0µF	±10%	0.8	490-1550-1-ND	1.31	7.74	22.31	490-1550-2-ND	4,000	21.42/M	GRM188R60J105KA01D
			1.0µF	±20%	0.8	490-1549-1-ND	1.31	7.74	22.31	490-1549-2-ND	4,000	21.42/M	GRM188R60J105MA01D
			2.2µF	±10%	0.5	490-3267-1-ND	3.04	17.94	51.75	490-3267-2-ND	4,000	49.68/M	GRM185R60J225KE26D
		6.3	2.2µF	±10%	0.8	490-1552-1-ND	4.08	24.12	69.56	490-1552-2-ND	4,000	66.78/M	GRM188R60J225KE01D
			2.2µF	±20%	0.8	490-1551-1-ND	4.08	24.12	69.56	490-1551-2-ND	4,000	66.78/M	GRM188R60J225ME01D
			4.7µF	±10%	0.8	490-3297-1-ND	6.16	36.40	105.00	490-3297-2-ND	4,000	100.80/M	GRM188R60J475KE19D
			4.7µF	±20%	0.5	490-3892-1-ND	3.55	21.00	60.56	490-3892-2-ND	4,000	58.00/M	GRM185R60J475ME15D
			10µF	±20%	0.8	490-3896-1-ND	9.43	55.71	160.69	490-3896-2-ND	4,000	154.00/M	GRM188R60J106ME47D
		4	4.7µF	±20%	0.5	490-3891-1-ND	3.55	21.00	60.56	490-3891-2-ND	4,000	58.00/M	GRM185R60G475ME15D
			10µF	±20%	0.8	490-3298-1-ND	12.39	73.19	211.13	490-3298-2-ND	4,000	203.00/M	GRM188R60G106ME47D
	X6S	10	2.2µF	±10%	0.8	490-4521-1-ND **NEW!**	1.77	10.44	30.11	490-4521-2-ND **NEW!**	4,000	28.91/M	GRM188C81A225KE34D
		100	2200pF	+80, -20%	0.8	490-1553-1-ND	1.42	8.39	24.19	490-1553-2-ND	4,000	23.22/M	GRM188F52A222ZD01D
			3300pF	+80, -20%	0.8	490-1554-1-ND	1.42	8.39	24.19	490-1554-2-ND	4,000	23.22/M	GRM188F52A332ZD01D
			1000pF	+80, -20%	0.8	490-1556-1-ND	.57	3.38	9.75	490-1556-2-ND	4,000	9.36/M	GRM188F51H102ZA01D
			1500pF	+80, -20%	0.8	490-1557-1-ND	.63	3.71	10.69	490-1557-2-ND	4,000	10.26/M	GRM188F51H152ZA01D
			2200pF	+80, -20%	0.8	490-1558-1-ND	.57	3.38	9.75	490-1558-2-ND	4,000	9.36/M	GRM188F51H222ZA01D
			3300pF	+80, -20%	0.8	490-1559-1-ND	.63	3.71	10.69	490-1559-2-ND	4,000	10.26/M	GRM188F51H332ZA01D
			6800pF	+80, -20%	0.8	490-1562-1-ND	.73	4.29	12.38	490-1562-2-ND	4,000	11.88/M	GRM188F51H682ZA01D
			4700pF	+80, -20%	0.8	490-1561-1-ND	.57	3.38	9.75	490-1561-2-ND	4,000	9.36/M	GRM188F51H472ZA01D
		50	10000pF	+80, -20%	0.8	490-1563-1-ND	.57	3.38	9.75	490-1563-2-ND	4,000	9.36/M	GRM188F51H103ZA01D
			15000pF	+80, -20%	0.8	490-1564-1-ND	.67	3.97	11.44	490-1564-2-ND	4,000	10.98/M	GRM188F51H153ZA01D
			22000pF	+80, -20%	0.8	490-1565-1-ND	.47	2.80	8.06	490-1565-2-ND	4,000	7.74/M	GRM188F51H223ZA01D
			33000pF	+80, -20%	0.8	490-1566-1-ND	.69	4.10	11.81	490-1566-2-ND	4,000	11.34/M	GRM188F51H333ZA01D
			47000pF	+80, -20%	0.8	490-1567-1-ND	.72	4.23	12.19	490-1567-2-ND	4,000	11.70/M	GRM188F51H473ZA01D
	Y5V		.1µF	+80, -20%	0.8	490-1568-1-ND	.48	2.86	8.25	490-1568-2-ND	4,000	7.92/M	GRM188F51H104ZA01D
		4	.22µF	+80, -20%	0.8	490-1569-1-ND	.92	5.46	15.75	490-1569-2-ND	4,000	15.12/M	GRM188F51H224ZA01D
			1000pF	+80, -20%	0.8	490-1570-1-ND	.57	3.38	9.75	490-1570-2-ND	4,000	9.36/M	GRM188F51E102ZA01D
			4700pF	+80, -20%	0.8	490-1571-1-ND	.57	3.38	9.75	490-1571-2-ND	4,000	9.36/M	GRM188F51E472ZA01D
			10000pF	+80, -20%	0.8	490-1572-1-ND	.57	3.38	9.75	490-1572-2-ND	4,000	9.36/M	GRM188F51E103ZA01D
			33000pF	+80, -20%	0.8	490-1573-1-ND	.57	3.38	9.75	490-1573-2-ND	4,000	9.36/M	GRM188F51E333ZA01D
		25	47000pF	+80, -20%	0.8	490-1574-1-ND	.53	3.12	9.00	490-1574-2-ND	4,000	8.64/M	GRM188F51E473ZA01D
			.1µF	+80, -20%	0.8	490-1575-1-ND	.54	3.19	9.19	490-1575-2-ND	4,000	8.82/M	GRM188F51E104ZA01D
			.22µF	+80, -20%	0.8	490-3299-1-ND	.83	4.88	14.06	490-3299-2-ND	4,000	13.50/M	GRM188F51E224ZA01D
			.47µF	+80, -20%	0.8	490-3300-1-ND	.83	4.88	14.06	490-3300-2-ND	4,000	13.50/M	GRM188F51E474ZA01D
			1.0µF	+80, -20%	0.8	490-3895-1-ND	.77	4.55	13.13	490-3895-2-ND	4,000	13.00/M	GRM188F51E105ZA12D
			47000pF	+80, -20%	0.8	490-1576-1-ND	.53	3.12	9.00	490-1576-2-ND	4,000	8.64/M	GRM188F51C473ZA01D
		16	.1µF	+80, -20%	0.8	490-1577-1-ND	.54	3.19	9.19	490-1577-2-ND	4,000	8.82/M	GRM188F51C104ZA01D
			.15µF	+80, -20%	0.8	490-1578-1-ND	1.08	6.37	18.38	490-1578-2-ND	4,000	17.64/M	GRM188F51C154ZA01D

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Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			.22µF	+80, -20%	0.8	490-3301-1-ND	.78	4.62	13.31	490-3301-2-ND	4,000	12.78/M	GRM188F51C224ZA01D
			.33µF	+80, -20%	0.8	490-1579-1-ND	1.71	10.08	29.06	490-1579-2-ND	4,000	27.90/M	GRM188F51C334ZA01D
		16	.47µF	+80, -20%	0.8	490-1580-1-ND	.89	5.27	15.19	490-1580-2-ND	4,000	14.58/M	GRM188F51C474ZA01D
			.68µF	+80, -20%	0.8	490-1581-1-ND	.97	5.72	16.50	490-1581-2-ND	4,000	15.84/M	GRM188F51C684ZA01D
			1.0µF	+80, -20%	0.8	490-1582-1-ND	.75	4.42	12.75	490-1582-2-ND	4,000	12.24/M	GRM188F51C105ZA01D
			.47µF	+80, -20%	0.8	490-1583-1-ND	.97	5.72	16.50	490-1583-2-ND	4,000	15.84/M	GRM188F51A474ZA01D
0603	Y5V		.68µF	+80, -20%	0.8	490-1584-1-ND	2.18	12.87	37.13	490-1584-2-ND	4,000	35.64/M	GRM188F51A684ZA01D
		10	1.0µF	+80, -20%	0.8	490-1585-1-ND	.75	4.42	12.75	490-1585-2-ND	4,000	12.24/M	GRM188F51A105ZA01D
			2.2µF	+80, -20%	0.8	490-1586-1-ND	1.68	9.95	28.69	490-1586-2-ND	4,000	27.54/M	GRM188F51A225ZE01D
			4.7µF	+80, -20%	0.8	490-3302-1-ND	1.85	10.92	31.50	490-3302-2-ND	4,000	30.24/M	GRM188F51A475ZE20D
		6.3	2.2µF	+80, -20%	0.8	490-1587-1-ND	1.68	9.95	28.69	490-1587-2-ND	4,000	27.54/M	GRM188F50J225ZE01D
			4.7µF	+80, -20%	0.8	490-3303-1-ND	1.85	10.92	31.50	490-3303-2-ND	4,000	30.24/M	GRM188F50J475ZE20D
	Z5U	50	10000pF	±20%	0.8	490-1588-1-ND	.65	3.84	11.06	490-1588-2-ND	4,000	10.62/M	GRM188E41H103MA01D
			10pF	±5%	0.85	490-1590-1-ND	1.90	11.25	32.44	490-1590-2-ND	4,000	31.14/M	GRM2195C2A100JZ01D
			22pF	±5%	0.85	490-1591-1-ND	2.08	12.29	35.44	490-1591-2-ND	4,000	34.02/M	GRM2195C2A220JZ01D
			33pF	±5%	0.85	490-1592-1-ND	1.95	11.51	33.19	490-1592-2-ND	4,000	31.86/M	GRM2195C2A330JZ01D
			47pF	±5%	0.85	490-1593-1-ND	1.84	10.86	31.31	490-1593-2-ND	4,000	30.06/M	GRM2195C2A470JZ01D
			56pF	±5%	0.85	490-1594-1-ND	1.84	10.86	31.31	490-1594-2-ND	4,000	30.06/M	GRM2195C2A560JZ01D
			68pF	±5%	0.85	490-1595-1-ND	1.82	10.73	30.94	490-1595-2-ND	4,000	29.16/M	GRM2195C2A680JZ01D
			75pF	±5%	0.85	490-1596-1-ND	1.78	10.53	30.38	490-1596-2-ND	4,000	29.16/M	GRM2195C2A750JZ01D
			82pF	±5%	0.85	490-1597-1-ND	2.04	12.03	34.69	490-1597-2-ND	4,000	33.30/M	GRM2195C2A820JZ01D
			91pF	±5%	0.85	490-1598-1-ND	1.82	10.73	30.94	490-1598-2-ND	4,000	29.70/M	GRM2195C2A910JZ01D
			100pF	±5%	0.6	490-1599-1-ND	.99	5.85	16.88	490-1599-2-ND	4,000	16.20/M	GRM2165C2A101JA01D
			110pF	±5%	0.6	490-1600-1-ND	1.10	6.50	18.75	490-1600-2-ND	4,000	18.00/M	GRM2165C2A111JA01D
			120pF	±5%	0.6	490-1601-1-ND	1.07	6.31	18.19	490-1601-2-ND	4,000	17.46/M	GRM2165C2A121JA01D
			130pF	±5%	0.6	490-1602-1-ND	1.10	6.50	18.75	490-1602-2-ND	4,000	18.00/M	GRM2165C2A131JA01D
			150pF	±5%	0.6	490-1603-1-ND	1.07	6.31	18.19	490-1603-2-ND	4,000	17.46/M	GRM2165C2A151JA01D
		100	160pF	±5%	0.6	490-1604-1-ND	1.10	6.50	18.75	490-1604-2-ND	4,000	18.00/M	GRM2165C2A161JA01D
			180pF	±5%	0.6	490-1605-1-ND	1.06	6.24	18.00	490-1605-2-ND	4,000	17.28/M	GRM2165C2A181JA01D
			200pF	±5%	0.6	490-1606-1-ND	1.10	6.50	18.75	490-1606-2-ND	4,000	18.00/M	GRM2165C2A201JA01D
			220pF	±5%	0.6	490-1607-1-ND	1.18	6.96	20.06	490-1607-2-ND	4,000	19.26/M	GRM2165C2A221JA01D
			240pF	±5%	0.6	490-1608-1-ND	1.31	7.74	22.31	490-1608-2-ND	4,000	21.42/M	GRM2165C2A241JA01D
			270pF	±5%	0.6	490-1609-1-ND	1.24	7.33	21.19	490-1609-2-ND	4,000	20.34/M	GRM2165C2A271JA01D
			330pF	±5%	0.6	490-1610-1-ND	1.42	8.39	24.19	490-1610-2-ND	4,000	23.22/M	GRM2165C2A331JA01D
			390pF	±5%	0.6	490-3306-1-ND	1.43	8.45	24.38	490-3306-2-ND	4,000	23.40/M	GRM2165C2A391JA01D
			470pF	±5%	0.6	490-1611-1-ND	1.53	9.04	26.06	490-1611-2-ND	4,000	25.02/M	GRM2165C2A471JA01D
			560pF	±5%	0.6	490-1612-1-ND	1.60	9.43	27.19	490-1612-2-ND	4,000	26.10/M	GRM2165C2A561JA01D
			680pF	±5%	0.85	490-1613-1-ND	1.68	9.95	28.69	490-1613-2-ND	4,000	27.54/M	GRM2195C2A681JA01D
			820pF	±5%	0.85	490-3311-1-ND	1.68	9.95	28.69	490-3311-2-ND	4,000	27.54/M	GRM2195C2A821JA01D
			1000pF	±5%	0.85	490-1614-1-ND	1.46	8.65	24.94	490-1614-2-ND	4,000	23.94/M	GRM2195C2A102JA01D
			1200pF	±5%	0.85	490-3313-1-ND	1.36	8.06	23.25	490-3313-2-ND	4,000	22.32/M	GRM2195C2A122JA01D
			1500pF	±5%	0.85	490-3314-1-ND	1.36	8.06	23.25	490-3314-2-ND	4,000	22.32/M	GRM2195C2A152JA01D
			100pF	±5%	0.6	490-1615-1-ND	.74	4.36	12.56	490-1615-2-ND	4,000	12.06/M	GRM2165C1H101JA01D
			150pF	±5%	0.6	490-3315-1-ND	.92	5.46	15.75	490-3315-2-ND	4,000	15.12/M	GRM2165C1H151JA01D
			220pF	±5%	0.6	490-1616-1-ND	1.12	6.63	19.13	490-1616-2-ND	4,000	18.36/M	GRM2165C1H221JA01D
	C0G		330pF	±5%	0.6	490-3316-1-ND	1.27	7.48	21.56	490-3316-2-ND	4,000	20.70/M	GRM2165C1H331JA01D
	(NP0)		470pF	±5%	0.6	490-1617-1-ND	1.60	9.43	27.19	490-1617-2-ND	4,000	26.10/M	GRM2165C1H471JA01D
			620pF	±5%	0.6	490-1618-1-ND	1.73	10.21	29.44	490-1618-2-ND	4,000	28.26/M	GRM2165C1H621JA01D
			680pF	±5%	0.6	490-1619-1-ND	1.74	10.27	29.63	490-1619-2-ND	4,000	28.44/M	GRM2165C1H681JA01D
			750pF	±5%	0.6	490-1620-1-ND	1.77	10.47	30.19	490-1620-2-ND	4,000	28.98/M	GRM2165C1H751JA01D
			910pF	±5%	0.6	490-1621-1-ND	1.74	10.27	29.63	490-1621-2-ND	4,000	28.44/M	GRM2165C1H911JA01D
			1000pF	±5%	0.6	490-1622-1-ND	1.33	7.87	22.69	490-1622-2-ND	4,000	21.78/M	GRM2165C1H102JA01D
			1100pF	±5%	0.6	490-1623-1-ND	1.45	8.58	24.75	490-1623-2-ND	4,000	23.76/M	GRM2165C1H112JA01D
			1300pF	±5%	0.6	490-1624-1-ND	1.53	9.04	26.06	490-1624-2-ND	4,000	25.02/M	GRM2165C1H132JA01D
			1600pF	±5%	0.6	490-1625-1-ND	1.49	8.78	25.31	490-1625-2-ND	4,000	24.30/M	GRM2165C1H162JA01D
			1800pF	±5%	0.6	490-1626-1-ND	1.46	8.65	24.94	490-1626-2-ND	4,000	23.94/M	GRM2165C1H182JA01D
			2000pF	±5%	0.6	490-1627-1-ND	1.74	10.27	29.63	490-1627-2-ND	4,000	28.44/M	GRM2165C1H202JA01D
			2200pF	±5%	0.6	490-1628-1-ND	1.62	9.56	27.56	490-1628-2-ND	4,000	26.46/M	GRM2165C1H222JA01D
			2400pF	±5%	0.6	490-1629-1-ND	1.91	11.31	32.63	490-1629-2-ND	4,000	31.32/M	GRM2165C1H242JA01D
0805		50	2700pF	±5%	0.6	490-1630-1-ND	1.85	10.92	31.50	490-1630-2-ND	4,000	30.24/M	GRM2165C1H272JA01D
			3000pF	±5%	0.6	490-1631-1-ND	2.11	12.48	36.00	490-1631-2-ND	4,000	34.56/M	GRM2165C1H302JA01D
			3300pF	±5%	0.6	490-1632-1-ND	2.05	12.09	34.88	490-1632-2-ND	4,000	33.48/M	GRM2165C1H332JA01D
			3900pF	±5%	0.6	490-3045-1-ND	2.27	13.39	38.63	490-3045-2-ND	4,000	37.08/M	GRM2165C1H392JA01D
			4700pF	±5%	0.6	490-3044-1-ND	2.42	14.17	40.88	490-3044-2-ND	4,000	35.46/M	GRM2165C1H472JA01D
			5100pF	±5%	0.85	490-1635-1-ND	2.70	15.93	45.94	490-1635-2-ND	4,000	44.10/M	GRM2195C1H512JA01D
			5600pF	±5%	0.85	490-1636-1-ND	2.67	15.80	45.56	490-1636-2-ND	4,000	43.74/M	GRM2195C1H562JA01D
			6200pF	±5%	0.85	490-1637-1-ND	3.30	19.50	56.25	490-1637-2-ND	4,000	54.00/M	GRM2195C1H622JA01D
			6800pF	±5%	0.85	490-1638-1-ND	3.23	19.11	55.13	490-1638-2-ND	4,000	52.92/M	GRM2195C1H682JA01D
			7500pF	±5%	0.85	490-1639-1-ND	3.50	20.67	59.63	490-1639-2-ND	4,000	57.24/M	GRM2195C1H752JA01D
			8200pF	±5%	0.85	490-1640-1-ND	3.44	20.35	58.69	490-1640-2-ND	4,000	56.34/M	GRM2195C1H822JA01D
			9100pF	±5%	0.85	490-1641-1-ND	3.63	21.45	61.88	490-1641-2-ND	4,000	59.40/M	GRM2195C1H912JA01D
			10000pF	±5%	0.85	490-1642-1-ND	4.85	28.67	82.69	490-1642-2-ND	4,000	79.38/M	GRM2195C1H103JA01D
			12000pF	±5%	0.85	490-3320-1-ND	4.44	26.26	75.75	490-3320-2-ND	4,000	82.44/M	GRM2195C1H123JA01D
			15000pF	±5%	0.85	490-1643-1-ND	5.27	31.14	89.81	490-1643-2-ND	4,000	86.22/M	GRM2195C1H153JA01D
			18000pF	±5%	1.25	490-3321-1-ND	5.24	30.94	89.25	490-3321-2-ND	3,000	85.68/M	GRM21B5C1H183JA01L
			22000pF	±5%	1.25	490-1644-1-ND	4.57	26.98	77.81	490-1644-2-ND	3,000	74.70/M	GRM21B5C1H223JA01L
			1000pF	±10%	1.0	490-3525-1-ND	1.83	10.79	31.13	490-3525-2-ND	4,000	30.00/M	GRM21AR72E102KW01D
			1500pF	±10%	1.0	490-3527-1-ND	1.90	11.25	32.44	490-3527-2-ND	4,000	31.00/M	GRM21AR72E152KW01D
			2200pF	±10%	1.0	490-3529-1-ND	2.01	11.90	34.31	490-3529-2-ND	4,000	33.00/M	GRM21AR72E222KW01D
		250	3300pF	±10%	1.0	490-3531-1-ND	2.01	11.90	34.31	490-3531-2-ND	4,000	33.00/M	GRM21AR72E332KW01D
			4700pF	±10%	1.0	490-3532-1-ND	2.01	11.90	34.31	490-3532-2-ND	4,000	33.00/M	GRM21AR72E472KW01D
			6800pF	±10%	1.0	490-3533-1-ND	2.16	12.74	36.75	490-3533-2-ND	4,000	35.00/M	GRM21AR72E682KW01D
			10000pF	±10%	1.25	490-3534-1-ND	1.82	10.73	30.94	490-3534-2-ND	3,000	30.00/M	GRM21BR72E103KW03L
			3900pF	±10%	0.85	490-1645-1-ND	1.36	8.06	23.25	490-1645-2-ND	4,000	22.32/M	GRM219R72A392KA01D
			4700pF	±10%	0.85	490-1646-1-ND	1.07	6.31	18.19	490-1646-2-ND	4,000	17.46/M	GRM219R72A472KA01D
			4700pF	±20%	0.85	490-1647-1-ND	1.01	5.98	17.25	490-1647-2-ND	4,000	16.56/M	GRM219R72A472MA01D
			5600pF	±10%	0.85	490-1648-1-ND	1.39	8.19	23.63	490-1648-2-ND	4,000	22.68/M	GRM219R72A562KA01D
			6800pF	±10%	0.85	490-1649-1-ND	1.13	6.70	19.31	490-1649-2-ND	4,000	18.54/M	GRM219R72A682KA01D
			6800pF	±20%	0.85	490-1650-1-ND	1.08	6.37	18.38	490-1650-2-ND	4,000	17.64/M	GRM219R72A682MA01D
	X7R		8200pF	±10%	1.25	490-1651-1-ND	1.38	8.13	23.44	490-1651-2-ND	3,000	22.50/M	GRM21BR72A822KA01L
			10000pF	±10%	1.25	490-1652-1-ND	1.17	6.89	19.88	490-1652-2-ND	3,000	19.08/M	GRM21BR72A103KA01L
		100	10000pF	±20%	1.25	490-1653-1-ND	1.17	6.89	19.88	490-1653-2-ND	3,000	19.08/M	GRM21BR72A103MA01L
			12000pF	±10%	1.25	490-1654-1-ND	1.52	8.97	25.88	490-1654-2-ND	3,000	24.84/M	GRM21BR72A123KA01L
			15000pF	±10%	1.25	490-1655-1-ND	1.22	7.22	20.81	490-1655-2-ND	3,000	19.98/M	GRM21BR72A153KA01L
			15000pF	±20%	1.25	490-1656-1-ND	1.22	7.22	20.81	490-1656-2-ND	3,000	19.98/M	GRM21BR72A153MA01L
			18000pF	±10%	1.25	490-1657-1-ND	1.52	8.97	25.88	490-1657-2-ND	3,000	24.84/M	GRM21BR72A183KA01L
			22000pF	±10%	1.25	490-1658-1-ND	1.49	8.78	25.31	490-1658-2-ND	3,000	24.30/M	GRM21BR72A223KA01L
			22000pF	±20%	1.25	490-1659-1-ND	1.49	8.78	25.31	490-1659-2-ND	3,000	24.30/M	GRM21BR72A223MA01L
			33000pF	±10%	1.25	490-3323-1-ND	1.93	11.38	32.81	490-3323-2-ND	3,000	31.50/M	GRM21BR72A333KA01L
			47000pF	±10%	1.25	490-3325-1-ND	1.79	10.60	30.56	490-3325-2-ND	3,000	29.34/M	GRM21BR72A473KA01L
			.47µF	±10%	1.25	490-3326-1-ND	7.05	41.67	120.19	490-3326-2-ND	3,000	115.38/M	GRM21BR72A474KA73L
			10000pF	±10%	0.6	490-1664-1-ND	.55	3.25	9.38	490-1664-2-ND	4,000	9.00/M	GRM216R71H103KA01D
			22000pF	±10%	0.6	490-1665-1-ND	.81	4.81	13.88	490-1665-2-ND	4,000	13.32/M	GRM216R71H223KA01D
		50	33000pF	±10%	0.85	490-1660-1-ND	1.07	6.31	18.19	490-1660-2-ND	4,000	17.46/M	GRM219R71H333KA01D
			47000pF	±10%	1.25	490-1661-1-ND	1.50	8.84	25.50	490-1661-2-ND	3,000	24.48/M	GRM21BR71H473KA01L

(Continued)

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Multilayer Ceramic Chip Capacitors (Cont.)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			56000pF	±10%	1.25	490-1662-1-ND	1.61	9.49	27.38	490-1662-2-ND	3,000	26.28/M	GRM21BR71H563KA01L
			68000pF	±10%	1.25	490-1663-1-ND	2.00	11.83	34.13	490-1663-2-ND	3,000	32.76/M	GRM21BR71H683KA01L
			.1µF	±10%	1.25	490-1666-1-ND	1.33	7.87	22.69	490-1666-2-ND	3,000	21.78/M	GRM21BR71H104KA01L
			.15µF	±10%	1.25	490-1667-1-ND	2.61	15.41	44.44	490-1667-2-ND	3,000	42.66/M	GRM21BR71H154KA01L
		50	.15µF	±20%	1.25	490-1668-1-ND	2.61	15.41	44.44	490-1668-2-ND	3,000	42.66/M	GRM21BR71H154MA01L
			.18µF	±10%	1.25	490-1669-1-ND	3.37	19.89	57.38	490-1669-2-ND	3,000	55.08/M	GRM21BR71H184KA01L
			.22µF	±10%	1.25	490-1670-1-ND	2.67	15.80	45.56	490-1670-2-ND	3,000	43.74/M	GRM21BR71H224KA01L
			.22µF	±20%	1.25	490-1671-1-ND	2.64	15.60	45.00	490-1671-2-ND	3,000	43.20/M	GRM21BR71H224MA01L
			.33µF	±10%	0.85	490-3327-1-ND	3.09	18.27	52.69	490-3327-2-ND	4,000	50.58/M	GRM219R71H334KA88D
			.47µF	±10%	1.25	490-3328-1-ND	3.33	19.70	56.81	490-3328-2-ND	3,000	54.54/M	GRM21BR71H474KA88L
			68000pF	±10%	0.85	490-1672-1-ND	1.43	8.45	24.38	—	—	—	GRM219R71E683KA01L
			68000pF	±10%	0.85	490-3046-1-ND	1.39	8.19	23.63	490-3046-2-ND	4,000	22.68/M	GRM219R71E683KA01D
			.1µF	±10%	1.25	490-1673-1-ND	1.32	7.80	22.50	490-1673-2-ND	3,000	21.60/M	GRM21BR71E104KA01L
			.15µF	±10%	1.25	490-1674-1-ND	2.10	12.42	35.81	490-1674-2-ND	3,000	34.38/M	GRM21BR71E154KA01L
			.22µF	±10%	0.85	490-1675-1-ND	1.89	11.18	32.25	490-1675-2-ND	4,000	30.96/M	GRM219R71E224KA01D
		25	.27µF	±10%	0.85	490-1676-1-ND	3.67	22.88	66.00	490-1676-2-ND	4,000	63.36/M	GRM219R71E274KA01D
			.33µF	±10%	1.25	490-1677-1-ND	3.45	20.41	58.88	490-1677-2-ND	3,000	56.52/M	GRM21BR71E334KA01L
			.39µF	±10%	1.25	490-1679-1-ND	4.93	29.12	84.00	490-1679-2-ND	3,000	80.64/M	GRM21BR71E394KA01L
			.47µF	±10%	1.25	490-1680-1-ND	3.77	22.30	64.31	490-1680-2-ND	3,000	61.74/M	GRM21BR71E474KC01L
			.47µF	±20%	1.25	490-1681-1-ND	3.84	22.69	65.44	490-1681-2-ND	3,000	62.82/M	GRM21BR71E474MA01L
			2.2µF	±10%	1.25	490-3331-1-ND	3.99	23.60	68.06	490-3331-2-ND	3,000	65.34/M	GRM21BR71E225KA73L
			68000pF	±10%	0.85	490-1682-1-ND	1.39	8.19	23.63	490-1682-2-ND	4,000	22.68/M	GRM219R71C683KA01D
	X7R		.1µF	±10%	0.85	490-1683-1-ND	.85	5.01	14.44	490-1683-2-ND	4,000	13.86/M	GRM219R71C104KA01D
			.22µF	±10%	0.85	490-1684-1-ND	1.88	11.12	32.06	490-1684-2-ND	4,000	30.78/M	GRM219R71C224KA01D
			.47µF	±10%	0.85	490-1685-1-ND	3.32	19.63	56.63	490-1685-2-ND	4,000	54.36/M	GRM219R71C474KC01D
			.47µF	±20%	0.85	490-1686-1-ND	3.32	19.63	56.63	490-1686-2-ND	4,000	54.36/M	GRM219R71C474MC01D
			.47µF	±10%	1.25	490-3333-1-ND	3.62	21.39	61.69	490-3333-2-ND	3,000	59.22/M	GRM21BR71C474KA01L
			.56µF	±10%	0.85	490-1687-1-ND	4.83	28.54	82.31	490-1687-2-ND	4,000	79.02/M	GRM219R71C564KC01D
			.68µF	±10%	0.85	490-1688-1-ND	2.64	15.60	45.00	490-1688-2-ND	4,000	43.20/M	GRM219R71C684KC01D
		16	.68µF	±20%	0.85	490-1689-1-ND	2.41	14.24	41.06	490-1689-2-ND	4,000	39.42/M	GRM219R71C684MC01D
			.82µF	±10%	1.25	490-1690-1-ND	5.61	33.15	95.63	490-1690-2-ND	3,000	91.80/M	GRM21BR71C824KC01L
			1.0µF	±10%	1.25	490-1691-1-ND	2.52	14.89	42.94	490-1691-2-ND	3,000	41.22/M	GRM21BR71C105KA01L
			1.0µF	±20%	1.25	490-1692-1-ND	2.32	13.72	39.56	490-1692-2-ND	3,000	37.98/M	GRM21BR71C105MA01L
			2.2µF	±10%	1.25	490-3906-1-ND	3.04	17.94	51.75	490-3906-2-ND	3,000	50.00/M	GRM21BR71C225KA12L
			4.7µF	±10%	1.25	490-4522-1-ND *NEW!*	4.40	26.01	75.02	490-4522-2-ND *NEW!*	3,000	72.02/M	GRM21BR71C475KA73L
			.22µF	±10%	0.6	490-1693-1-ND	1.88	11.12	32.06	490-1693-2-ND	4,000	30.78/M	GRM216R71A224KC01D
			.33µF	±10%	0.6	490-1694-1-ND	2.28	13.46	38.81	490-1694-2-ND	4,000	37.26/M	GRM216R71A334KC01D
			1.0µF	±10%	1.25	490-1695-1-ND	2.52	14.89	42.94	490-1695-2-ND	3,000	41.22/M	GRM21BR71A105KA01L
		10	.22µF	±10%	1.25	490-1696-1-ND	3.19	18.85	54.38	490-1696-2-ND	3,000	52.20/M	GRM21BR71A225KA01L
			2.2µF	±20%	1.25	490-1697-1-ND	3.19	18.85	54.38	490-1697-2-ND	3,000	52.20/M	GRM21BR71A225MA01L
			10µF	±10%	1.25	490-3905-1-ND	5.41	31.98	92.25	490-3905-2-ND	3,000	89.00/M	GRM21BR71A106KE51L
			2.2µF	±10%	1.25	490-1698-1-ND	3.59	21.19	61.13	490-1698-2-ND	3,000	58.68/M	GRM21BR70J225KA01L
		6.3	2.2µF	±20%	1.25	490-1699-1-ND	3.19	18.85	54.38	490-1699-2-ND	3,000	52.20/M	GRM21BR70J225MA01L
			10µF	±10%	1.25	490-3904-1-ND	5.41	31.98	92.25	490-3904-2-ND	3,000	89.00/M	GRM21BR70J106KE76L
	X6S	10	4.7µF	±10%	0.85	490-3901-1-ND	3.32	19.63	56.63	490-3901-2-ND	4,000	54.00/M	GRM219R61A475KE34D
			1.0µF	±10%	0.6	490-1700-1-ND	3.26	19.24	55.50	490-1700-2-ND	4,000	53.28/M	GRM216R61E105KA12D
		25	2.2µF	±10%	0.85	490-1701-1-ND	4.99	29.51	85.13	490-1701-2-ND	4,000	81.72/M	GRM219R61E225KA12D
			2.2µF	±10%	1.25	490-3334-1-ND	3.64	21.52	62.06	490-3334-2-ND	3,000	59.58/M	GRM21BR61E225KA12L
			4.7µF	±10%	1.25	490-3335-1-ND	4.18	24.70	71.25	490-3335-2-ND	3,000	68.40/M	GRM21BR61E475KA12L
			2.2µF	±10%	0.85	490-3902-1-ND	4.69	27.69	79.88	490-3902-2-ND	4,000	77.00/M	GRM219R61C225KA88D
			2.2µF	±10%	1.25	490-3336-1-ND	3.05	18.01	51.94	490-3336-2-ND	3,000	49.86/M	GRM21BR61C225KA88L
		16	3.3µF	±10%	1.25	490-3337-1-ND	3.83	22.62	65.25	490-3337-2-ND	3,000	62.64/M	GRM21BR61C335KA88L
			4.7µF	±10%	1.25	490-3338-1-ND	4.21	24.90	71.81	490-3338-2-ND	3,000	68.94/M	GRM21BR61C475KA88L
0805			10µF	±10%	1.25	490-3886-1-ND	5.48	32.37	93.38	490-3886-2-ND	3,000	90.00/M	GRM21BR61C106KE15L
			1.0µF	±10%	0.85	490-1702-1-ND	1.62	9.56	27.56	490-1702-2-ND	4,000	26.46/M	GRM219R61A105KC01D
			1.0µF	±20%	0.85	490-1703-1-ND	1.61	9.49	27.38	490-1703-2-ND	4,000	26.28/M	GRM219R61A105MA01D
			2.2µF	±10%	0.6	490-1704-1-ND	2.81	16.58	47.81	490-1704-2-ND	4,000	45.90/M	GRM216R61A225KE24D
			2.2µF	±20%	0.6	490-1705-1-ND	2.81	16.58	47.81	490-1705-2-ND	4,000	45.90/M	GRM216R61A225ME24D
		10	3.3µF	±10%	0.85	490-1706-1-ND	4.02	23.73	68.44	490-1706-2-ND	4,000	65.70/M	GRM219R61A335KE19D
	X5R		4.7µF	±10%	0.85	490-1707-1-ND	6.40	37.83	109.13	490-1707-2-ND	4,000	104.76/M	GRM219R61A475KE19D
			4.7µF	±20%	0.85	490-1708-1-ND	6.39	37.77	108.94	490-1708-2-ND	4,000	104.58/M	GRM219R61A475ME19D
			10µF	±10%	1.25	490-1709-1-ND	7.01	41.41	119.44	490-1709-2-ND	3,000	114.66/M	GRM21BR61A106KE19L
			1.5µF	±10%	0.85	490-1710-1-ND	3.74	22.10	63.75	490-1710-2-ND	4,000	61.20/M	GRM219R60J155KC01D
			1.5µF	±20%	0.85	490-1711-1-ND	3.72	21.97	63.38	490-1711-2-ND	4,000	60.84/M	GRM219R60J155MC01D
			2.2µF	±10%	1.25	490-1712-1-ND	3.72	21.97	63.38	490-1712-2-ND	3,000	60.84/M	GRM21BR60J225KA01L
			3.3µF	±10%	1.25	490-1713-1-ND	5.98	35.36	102.00	490-1713-2-ND	3,000	97.92/M	GRM21BR60J335KA11L
			3.3µF	±20%	1.25	490-1714-1-ND	5.18	30.62	88.31	490-1714-2-ND	3,000	84.78/M	GRM21BR60J335MA11L
		6.3	4.7µF	±10%	0.85	490-1715-1-ND	6.40	37.83	109.13	490-1715-2-ND	4,000	104.76/M	GRM219R60J475KE01D
			4.7µF	±20%	0.85	490-1716-1-ND	6.40	37.83	109.13	490-1716-2-ND	4,000	104.76/M	GRM219R60J475ME01D
			10µF	±10%	0.85	490-3340-1-ND	6.25	36.92	106.50	490-3340-2-ND	4,000	102.24/M	GRM219R60J106KE19D
			10µF	±10%	1.25	490-1717-1-ND	7.01	41.41	119.44	490-1717-2-ND	3,000	114.66/M	GRM21BR60J106KE19L
			10µF	±20%	1.25	490-1718-1-ND	5.28	31.20	90.00	490-1718-2-ND	3,000	86.40/M	GRM21BR60J106ME19L
			22µF	±20%	1.25	490-1719-1-ND	20.68	122.20	352.50	490-1719-2-ND	3,000	338.40/M	GRM21BR60J226ME39L
		100	10000pF	+80, -20%	1.25	490-3342-1-ND	2.06	12.16	35.06	490-3342-2-ND	3,000	33.66/M	GRM21BF52A103ZD01L
			10000pF	+80, -20%	0.6	490-1720-1-ND	.55	3.25	9.38	490-1720-2-ND	4,000	9.00/M	GRM216R71H103ZA01D
			33000pF	+80, -20%	0.6	490-1721-1-ND	.75	4.42	12.75	490-1721-2-ND	4,000	12.24/M	GRM216R51H333ZA01D
			68000pF	+80, -20%	0.6	490-1722-1-ND	.86	5.07	14.63	490-1722-2-ND	4,000	14.04/M	GRM216R51H683ZA01D
		50	.1µF	+80, -20%	0.85	490-1723-1-ND	.74	4.36	12.56	490-1723-2-ND	4,000	12.06/M	GRM219R51H104ZA01D
			.15µF	+80, -20%	0.85	490-1724-1-ND	1.60	9.43	27.19	490-1724-2-ND	4,000	26.10/M	GRM219R51H154ZA01D
			.22µF	+80, -20%	0.6	490-3047-1-ND	1.60	9.43	27.19	490-3047-2-ND	4,000	26.10/M	GRM216R51H224ZA01D
			1.0µF	+80, -20%	1.25	490-3903-1-ND	1.12	6.63	19.13	490-3903-2-ND	3,000	18.00/M	GRM21BF51H105ZA12L
			.1µF	+80, -20%	0.6	490-1726-1-ND	.57	3.38	9.75	490-1726-2-ND	4,000	9.36/M	GRM216R51E104ZA01D
			.15µF	+80, -20%	0.6	490-1727-1-ND	1.36	8.06	23.25	490-1727-2-ND	4,000	22.32/M	GRM216R51E154ZA01D
			.22µF	+80, -20%	0.85	490-1728-1-ND	1.44	8.52	24.56	490-1728-2-ND	4,000	23.58/M	GRM219R51E224ZA01D
			.33µF	+80, -20%	1.25	490-1729-1-ND	2.09	12.35	35.63	490-1729-2-ND	3,000	34.20/M	GRM21BF51E334ZA01L
		25	.47µF	+80, -20%	0.6	490-3346-1-ND	1.56	9.23	26.63	490-3346-2-ND	4,000	25.56/M	GRM216F51E474ZA01D
			.47µF	+80, -20%	1.25	490-1730-1-ND	1.89	11.18	32.25	490-1730-2-ND	3,000	30.96/M	GRM21BF51E474ZA01L
			1.0µF	+80, -20%	0.85	490-1731-1-ND	1.13	6.70	19.31	490-1731-2-ND	4,000	18.54/M	GRM219F51E105ZA01D
			1.5µF	+80, -20%	1.25	490-1732-1-ND	1.78	10.53	30.38	490-1732-2-ND	3,000	29.16/M	GRM21BF51E155ZA01L
	Y5V		2.2µF	+80, -20%	1.25	490-1733-1-ND	2.48	14.63	42.19	490-1733-2-ND	3,000	40.50/M	GRM21BF51E225ZA01L
			4.7µF	+80, -20%	1.25	490-3345-1-ND	3.09	18.27	52.69	490-3345-2-ND	3,000	50.58/M	GRM21BF51E475ZA01L
			.1µF	+80, -20%	0.6	490-1734-1-ND	.74	4.36	12.56	490-1734-2-ND	4,000	12.06/M	GRM216F51C104ZA01D
			.22µF	+80, -20%	0.85	490-1735-1-ND	1.47	8.71	25.13	490-1735-2-ND	4,000	24.12/M	GRM219F51C224ZA01D
			.33µF	+80, -20%	0.85	490-1736-1-ND	2.11	12.48	36.00	490-1736-2-ND	4,000	34.56/M	GRM219F51C334ZA01D
			.47µF	+80, -20%	1.25	490-1737-1-ND	2.10	12.42	35.81	490-1737-2-ND	3,000	34.38/M	GRM21BF51C474ZA01L
		16	.68µF	+80, -20%	1.25	490-1738-1-ND	3.08	18.20	52.50	490-1738-2-ND	3,000	50.40/M	GRM21BF51C684ZA01L
			1.0µF	+80, -20%	0.85	490-1739-1-ND	1.10	6.50	18.75	490-1739-2-ND	4,000	18.00/M	GRM219F51C105ZA01D
			1.5µF	+80, -20%	1.25	490-1740-1-ND	2.13	12.61	36.38	490-1740-2-ND	3,000	34.92/M	GRM21BF51C155ZA01L
			2.2µF	+80, -20%	1.25	490-1741-1-ND	2.39	14.11	40.69	490-1741-2-ND	3,000	39.06/M	GRM21BF51C225ZA01L
			10µF	+80, -20%	1.25	490-3347-1-ND	3.40	20.09	57.94	490-3347-2-ND	3,000	55.62/M	GRM21BF51C106ZE15L
			1.5µF	+80, -20%	1.25	490-1742-1-ND	1.78	10.53	30.38	490-1742-2-ND	3,000	29.16/M	GRM21BF51A155ZA01L
			2.2µF	+80, -20%	1.25	490-1743-1-ND	2.39	14.11	40.69	490-1743-2-ND	3,000	39.06/M	GRM21BF51A225ZA01L
		10	3.3µF	+80, -20%	0.85	490-1744-1-ND	3.45	20.41	58.88	490-1744-2-ND	4,000	56.52/M	GRM219F51A335ZA01D
			4.7µF	+80, -20%	1.25	490-1745-1-ND	2.95	17.42	50.25	490-1745-2-ND	3,000	48.24/M	GRM21BF51A475ZA01L
			10µF	+80, -20%	1.25	490-3332-1-ND	3.70	21.84	63.00	490-3332-2-ND	3,000	60.48/M	GRM21BF51A106ZE15L
		6.3	10µF	+80, -20%	1.25	490-1746-1-ND	3.70	21.84	63.00	490-1746-2-ND	3,000	60.48/M	GRM21BF50J106ZE01L

(Continued)

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Multilayer Ceramic Chip Capacitors (Cont.)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
0805	Z5U	50	47000pF	±20%	0.6	490-1747-1-ND	.77	4.55	13.13	490-1747-2-ND	4,000	12.60/M	GRM216E41H473MA01D
			.1µF	±20%	0.85	490-1748-1-ND	.87	5.14	14.81	490-1748-2-ND	4,000	14.22/M	GRM219E41H104MA01D
	C0G (NP0)	100	1000pF	±5%	0.85	490-3348-1-ND	3.06	18.07	52.13	490-3348-2-ND	4,000	50.04/M	GRM3195C2A102JA01D
			1500pF	±5%	0.85	490-3349-1-ND	4.10	24.25	69.94	490-3349-2-ND	4,000	67.14/M	GRM3195C2A152JA01D
			2200pF	±5%	0.85	490-3350-1-ND	4.92	29.06	83.86	490-3350-2-ND	4,000	80.46/M	GRM3195C2A222JA01D
			3300pF	±5%	0.85	490-3351-1-ND	4.65	27.50	79.31	490-3351-2-ND	4,000	76.14/M	GRM3195C2A332JA01D
			4700pF	±5%	0.85	490-3352-1-ND	6.62	39.13	112.88	490-3352-2-ND	4,000	108.36/M	GRM3195C2A472JA01D
			5600pF	±5%	0.85	490-3353-1-ND	7.08	41.86	120.75	490-3353-2-ND	4,000	115.92/M	GRM3195C2A562JA01D
			1000pF	±5%	0.85	490-1749-1-ND	7.06	41.73	120.38	490-1749-2-ND	4,000	115.56/M	GRM3195C1H102JA01D
			1500pF	±5%	0.85	490-3354-1-ND	8.80	52.00	150.00	490-3354-2-ND	4,000	144.00/M	GRM3195C1H152JA01D
			2200pF	±5%	0.85	490-3355-1-ND	7.65	45.18	130.31	490-3355-2-ND	4,000	125.10/M	GRM3195C1H222JA01D
			3300pF	±5%	0.85	490-3356-1-ND	8.61	50.90	146.81	490-3356-2-ND	4,000	140.94/M	GRM3195C1H332JA01D
			4700pF	±5%	0.85	490-3357-1-ND	4.58	27.04	78.00	490-3357-2-ND	4,000	74.86/M	GRM3195C1H472JA01D
			5600pF	±5%	0.85	490-1750-1-ND	4.93	29.12	84.00	490-1750-2-ND	4,000	80.64/M	GRM3195C1H562JA01D
			6200pF	±5%	0.85	490-1751-1-ND	5.18	30.62	88.31	490-1751-2-ND	4,000	84.78/M	GRM3195C1H622JA01D
			6800pF	±5%	0.85	490-1752-1-ND	5.25	31.01	89.44	490-1752-2-ND	4,000	85.86/M	GRM3195C1H682JA01D
			8200pF	±5%	0.85	490-1753-1-ND	5.60	33.09	95.44	490-1753-2-ND	4,000	91.62/M	GRM3195C1H822JA01D
			10000pF	±5%	0.85	490-1754-1-ND	5.90	34.84	100.50	490-1754-2-ND	4,000	96.48/M	GRM3195C1H103JA01D
			11000pF	±5%	0.85	490-1755-1-ND	6.36	37.57	108.38	490-1755-2-ND	4,000	104.04/M	GRM3195C1H113JA01D
			12000pF	±5%	0.85	490-1756-1-ND	6.30	37.25	107.44	490-1756-2-ND	4,000	103.14/M	GRM3195C1H123JA01D
			13000pF	±5%	0.85	490-1757-1-ND	6.36	37.57	108.38	490-1757-2-ND	4,000	104.04/M	GRM3195C1H133JA01D
		50	15000pF	±5%	0.85	490-1758-1-ND	6.38	37.70	108.75	490-1758-2-ND	4,000	104.40/M	GRM3195C1H153JA01D
			18000pF	±5%	0.85	490-1759-1-ND	6.45	38.09	109.88	490-1759-2-ND	4,000	105.48/M	GRM3195C1H183JA01D
			20000pF	±5%	0.85	490-1760-1-ND	6.49	38.35	110.63	490-1760-2-ND	4,000	106.20/M	GRM3195C1H203JA01D
			22000pF	±5%	0.85	490-1761-1-ND	6.53	38.61	111.38	490-1761-2-ND	4,000	106.92/M	GRM3195C1H223JA01D
			27000pF	±5%	0.85	490-1762-1-ND	6.62	39.13	112.88	490-1762-2-ND	4,000	108.36/M	GRM3195C1H273JA01D
			33000pF	±5%	0.85	490-1763-1-ND	6.74	39.85	114.94	490-1763-2-ND	4,000	110.34/M	GRM3195C1H333JA01D
			39000pF	±5%	1.15	490-3358-1-ND	7.17	42.38	122.25	490-3358-2-ND	3,000	117.36/M	GRM31M5C1H393JA01L
			47000pF	±5%	1.15	490-1764-1-ND	7.30	43.16	124.50	490-1764-2-ND	3,000	119.52/M	GRM31M5C1H473JA01L
			56000pF	±5%	1.6	490-3359-1-ND	7.90	46.67	134.63	490-3359-2-ND	2,000	129.24/M	GRM31C5C1H563JA01L
			68000pF	±5%	1.6	490-3360-1-ND	8.04	47.52	137.06	490-3360-2-ND	2,000	131.58/M	GRM31C5C1H683JA01L
			82000pF	±5%	1.6	490-1765-1-ND	8.42	49.73	143.44	490-1765-2-ND	2,000	137.70/M	GRM31C5C1H823JA01L
			39000pF	±5%	0.85	490-3361-1-ND	7.12	42.06	121.31	490-3361-2-ND	4,000	116.46/M	GRM3195C1E393JA01D
		25	68000pF	±5%	1.6	490-1766-1-ND	7.61	47.52	137.06	490-1766-2-ND	2,000	131.58/M	GRM31C5C1E683JA01L
			.1µF	±5%	1.6	490-1767-1-ND	8.78	51.87	149.63	490-1767-2-ND	2,000	143.64/M	GRM31C5C1E104JA01L
	U2J	1,000	47pF	±5%	1.0	490-4299-1-ND **NEW!**	5.10	30.16	87.00	490-4299-2-ND **NEW!**	4,000	84.00/M	GRM31A7U3A470JW31D
			68pF	±5%	1.0	490-4300-1-ND **NEW!**	5.10	30.16	87.00	490-4300-2-ND **NEW!**	4,000	84.00/M	GRM31A7U3A680JW31D
			100pF	±5%	1.0	490-4301-1-ND **NEW!**	5.10	30.16	87.00	490-4301-2-ND **NEW!**	4,000	84.00/M	GRM31A7U3A101JW31D
			150pF	±5%	1.0	490-4302-1-ND **NEW!**	5.59	33.02	95.25	490-4302-2-ND **NEW!**	4,000	91.00/M	GRM31A7U3A151JW31D
			220pF	±5%	1.0	490-4303-1-ND **NEW!**	5.59	33.02	95.25	490-4303-2-ND **NEW!**	4,000	91.00/M	GRM31A7U3A221JW31D
			330pF	±5%	1.0	490-4304-1-ND **NEW!**	5.59	33.02	95.25	490-4304-2-ND **NEW!**	4,000	91.00/M	GRM31A7U3A331JW31D
			470pF	±5%	1.25	490-4305-1-ND **NEW!**	6.26	36.99	106.69	490-4305-2-ND **NEW!**	3,000	102.00/M	GRM31A7U3A471JW31L
		630	100pF	±5%	1.0	490-4290-1-ND **NEW!**	4.10	24.25	69.94	490-4290-2-ND **NEW!**	4,000	67.00/M	GRM31A7U2J101JW31D
			150pF	±5%	1.0	490-4291-1-ND **NEW!**	4.10	24.25	69.94	490-4291-2-ND **NEW!**	4,000	67.00/M	GRM31A7U2J151JW31D
			220pF	±5%	1.0	490-4292-1-ND **NEW!**	4.10	24.25	69.94	490-4292-2-ND **NEW!**	4,000	67.00/M	GRM31A7U2J221JW31D
			330pF	±5%	1.0	490-4293-1-ND **NEW!**	4.10	24.25	69.94	490-4293-2-ND **NEW!**	4,000	67.00/M	GRM31A7U2J331JW31D
			470pF	±5%	1.0	490-4294-1-ND **NEW!**	4.10	24.25	69.94	490-4294-2-ND **NEW!**	4,000	67.00/M	GRM31A7U2J471JW31D
			680pF	±5%	1.0	490-4295-1-ND **NEW!**	4.50	26.59	76.69	490-4295-2-ND **NEW!**	4,000	74.00/M	GRM31A7U2J681JW31D
			1000pF	±5%	1.0	490-4296-1-ND **NEW!**	4.50	26.59	76.69	490-4296-2-ND **NEW!**	4,000	74.00/M	GRM31A7U2J102JW31D
1206		1,000	1000pF	±10%	1.25	490-3494-1-ND	5.50	32.50	93.75	490-3494-2-ND	3,000	90.00/M	GRM31BR73A102KW01L
			1500pF	±10%	1.25	490-3495-1-ND	5.51	32.57	93.94	490-3495-2-ND	3,000	90.09/M	GRM31BR73A152KW01L
			2200pF	±10%	1.25	490-3496-1-ND	5.64	33.35	96.19	490-3496-2-ND	3,000	92.00/M	GRM31BR73A222KW01L
			3300pF	±10%	1.25	490-3497-1-ND	5.69	33.61	96.94	490-3497-2-ND	3,000	93.00/M	GRM31BR73A332KW01L
			4700pF	±10%	1.25	490-3498-1-ND	5.85	34.58	99.75	490-3498-2-ND	3,000	96.00/M	GRM31BR73A472KW01L
		630	1000pF	±10%	1.25	490-3506-1-ND	4.63	27.37	78.94	490-3506-2-ND	3,000	76.00/M	GRM31BR72J102KW01L
			1500pF	±10%	1.25	490-3507-1-ND	4.63	27.37	78.94	490-3507-2-ND	3,000	76.00/M	GRM31BR72J152KW01L
			2200pF	±10%	1.25	490-3508-1-ND	5.15	30.42	87.75	490-3508-2-ND	3,000	84.00/M	GRM31BR72J222KW01L
			3300pF	±10%	1.25	490-3509-1-ND	5.15	30.42	87.75	490-3509-2-ND	3,000	84.00/M	GRM31BR72J332KW01L
			4700pF	±10%	1.25	490-3510-1-ND	5.45	32.18	92.81	490-3510-2-ND	3,000	86.00/M	GRM31BR72J472KW01L
			6800pF	±10%	1.25	490-3511-1-ND	5.53	32.70	94.31	490-3511-2-ND	3,000	91.00/M	GRM31BR72J682KW01L
			10000pF	±10%	1.25	490-3512-1-ND	4.93	29.12	84.00	490-3512-2-ND	3,000	81.00/M	GRM31BR72J103KW01L
			15000pF	±10%	1.6	490-3513-1-ND	5.25	31.01	89.44	490-3513-2-ND	2,000	86.00/M	GRM31CR72J153KW03L
			15000pF	±10%	1.25	490-3535-1-ND	5.45	32.18	92.81	490-3535-2-ND	3,000	89.00/M	GRM31BR72E153KW01L
			22000pF	±10%	1.25	490-3536-1-ND	5.45	32.18	92.81	490-3536-2-ND	3,000	89.00/M	GRM31BR72E223KW01L
			33000pF	±10%	1.6	490-3537-1-ND	5.45	32.18	92.81	490-3537-2-ND	2,000	89.00/M	GRM31CR72E333KW03L
		250	47000pF	±10%	1.6	490-3538-1-ND	5.45	32.18	92.81	490-3538-2-ND	2,000	89.00/M	GRM31CR72E473KW03L
			68000pF	±10%	1.25	490-3540-1-ND	5.34	31.53	90.94	490-3540-2-ND	3,000	87.00/M	GRM31BR72E683KW01L
			.1µF	±10%	1.6	490-3542-1-ND	5.51	32.57	93.94	490-3542-2-ND	2,000	90.00/M	GRM31CR72E104KW03L
		100	27000pF	±10%	1.15	490-1768-1-ND	5.82	34.39	99.19	490-1768-2-ND	3,000	95.22/M	GRM31MR72A273KA01L
			33000pF	±10%	1.15	490-1770-1-ND	6.05	35.75	103.13	490-1770-2-ND	3,000	99.00/M	GRM31MR72A333KA01L
			33000pF	±20%	1.15	490-1769-1-ND	1.83	10.79	31.13	490-1769-2-ND	3,000	29.88/M	GRM31MR72A333MA01L
			39000pF	±10%	1.15	490-1771-1-ND	1.84	10.86	31.31	490-1771-2-ND	3,000	30.06/M	GRM31MR72A393KA01L
			47000pF	±10%	1.15	490-1773-1-ND	6.57	38.81	111.94	490-1773-2-ND	3,000	107.46/M	GRM31MR72A473KA01L
			47000pF	±20%	1.15	490-1772-1-ND	6.57	38.81	111.94	490-1772-2-ND	3,000	107.46/M	GRM31MR72A473MA01L
			68000pF	±10%	1.15	490-3363-1-ND	2.18	12.87	37.13	490-3363-2-ND	3,000	35.64/M	GRM31MR72A683KA01L
			1.0µF	±10%	1.6	490-3909-1-ND	10.07	59.48	171.56	490-3909-2-ND	2,000	165.00/M	GRM31CR72A105KA01L
	X7R	50	10000pF	±10%	0.85	490-1774-1-ND	1.46	8.65	24.94	490-1774-2-ND	4,000	23.94/M	GRM319R71H103KA01D
			.1µF	±10%	0.85	490-1775-1-ND	1.74	10.27	29.63	490-1775-2-ND	4,000	28.44/M	GRM319R71H104KA01D
			.22µF	±10%	0.85	490-1776-1-ND	3.14	18.53	53.44	490-1776-2-ND	4,000	51.30/M	GRM319R71H224KA01D
			.27µF	±10%	0.85	490-1777-1-ND	4.26	25.16	72.56	490-1777-2-ND	4,000	69.66/M	GRM319R71H274KA01D
			.33µF	±10%	0.85	490-1778-1-ND	4.31	25.48	73.50	490-1778-2-ND	4,000	70.56/M	GRM319R71H334KA01D
			.33µF	±20%	0.85	490-1779-1-ND	4.25	25.09	72.38	490-1779-2-ND	4,000	69.48/M	GRM319R71H334MA01D
			.39µF	±10%	1.15	490-1780-1-ND	6.20	36.66	105.75	490-1780-2-ND	3,000	101.52/M	GRM31MR71H394KA01L
			.47µF	±10%	1.15	490-1781-1-ND	6.20	36.66	105.75	490-1781-2-ND	3,000	101.52/M	GRM31MR71H474KA01L
			.47µF	±20%	1.15	490-1782-1-ND	6.20	36.66	105.75	490-1782-2-ND	3,000	101.52/M	GRM31MR71H474MA01L
			1.0µF	±10%	1.6	490-3908-1-ND	4.53	26.78	77.25	490-3908-2-ND	2,000	74.00/M	GRM31CR71H105KA61L
			2.2µF	±10%	1.6	490-3367-1-ND	6.24	36.86	106.31	490-3367-2-ND	2,000	102.06/M	GRM31CR71H225KA88L
		25	.33µF	±10%	0.85	490-1783-1-ND	4.31	25.48	73.50	490-1783-2-ND	4,000	70.56/M	GRM319R71E334KA01D
			.47µF	±10%	0.85	490-1784-1-ND	4.99	29.51	85.13	490-1784-2-ND	4,000	81.72/M	GRM319R71E474KA01D
			.68µF	±10%	0.85	490-1787-1-ND	5.81	34.32	99.00	490-1787-2-ND	4,000	95.04/M	GRM319R71E684KA01D
			.68µF	±20%	0.85	490-1786-1-ND	6.07	35.88	103.50	490-1786-2-ND	4,000	99.36/M	GRM319R71E684MA01D
			.82µF	±10%	1.15	490-1788-1-ND	6.12	36.14	104.25	490-1788-2-ND	3,000	100.08/M	GRM31MR71E824KA01L
			1.0µF	±10%	1.15	490-1789-1-ND	2.12	12.54	36.19	490-1789-2-ND	3,000	34.73/M	GRM31MR71E105KC01L
			1.0µF	±20%	1.15	490-1790-1-ND	3.42	20.22	58.31	490-1790-2-ND	3,000	55.98/M	GRM31MR71E105MC01L
			2.2µF	±10%	1.15	490-3368-1-ND	4.58	27.04	78.00	490-3368-2-ND	3,000	74.88/M	GRM31MR71E225KA93L
			4.7µF	±10%	1.6	490-1809-1-ND	6.17	36.47	105.19	490-1809-2-ND	2,000	100.98/M	GRM31CR71E475KA88L
		16	.47µF	±10%	0.85	490-1791-1-ND	4.52	26.72	77.06	490-1791-2-ND	3,000	73.98/M	GRM319R71C474KC01L
			.56µF	±10%	0.85	490-1792-1-ND	5.31	31.40	90.56	490-1792-2-ND	4,000	86.94/M	GRM319R71C564KA01D
			.68µF	±10%	0.85	490-1793-1-ND	5.63	33.28	96.00	490-1793-2-ND	3,000	92.16/M	GRM31MR71C684KA01L
			1.0µF	±10%	0.85	490-1794-1-ND	2.63	15.54	44.81	490-1794-2-ND	4,000	43.02/M	GRM319R71C105KC11D
			1.0µF	±20%	0.85	490-1795-1-ND	2.63	15.54	44.81	490-1795-2-ND	4,000	43.02/M	GRM319R71C105MC11D
			1.5µF	±10%	1.15	490-1797-1-ND	3.49	20.61	59.44	490-1797-2-ND	3,000	57.06/M	GRM31MR71C155KA35L
			1.5µF	±20%	1.15	490-1796-1-ND	3.49	20.61	59.44	490-1796-2-ND	3,000	57.06/M	GRM31MR71C155MA35L
			2.2µF	±10%	1.15	490-1799-1-ND	4.29	25.35	73.13	490-1799-2-ND	3,000	70.20/M	GRM31MR71C225KA35L
			2.2µF	±20%	1.15	490-1798-1-ND	3.53	20.87	60.19	490-1798-2-ND	3,000	57.78/M	GRM31MR71C225MA35L
			10µF	±10%	1.6	490-3911-1-ND	5.30	31.31	90.32	490-3911-2-ND	2,000	87.00/M	GRM31CR71C106KAC7L

(Continued)

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Multilayer Ceramic Chip Capacitors (Cont.)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
			1.0µF	±10%	0.85	490-1800-1-ND	2.64	15.60	45.00	490-1800-2-ND	4,000	43.20/M	GRM319R71A105KC01D
			1.0µF	±20%	0.85	490-1801-1-ND	2.63	15.54	44.81	490-1801-2-ND	4,000	43.02/M	GRM319R71A105MC01D
			2.2µF	±10%	1.15	490-1803-1-ND	4.11	24.31	70.13	490-1803-2-ND	3,000	67.32/M	GRM31MR71A225KA01L
		10	2.2µF	±20%	1.15	490-1802-1-ND	4.11	24.31	70.13	490-1802-2-ND	3,000	67.32/M	GRM31MR71A225MA01L
	X7R		4.7µF	±10%	1.6	490-1805-1-ND	6.40	37.83	109.13	490-1805-2-ND	2,000	104.76/M	GRM31CR71A475KA01L
			4.7µF	±20%	1.6	490-1804-1-ND	6.40	37.83	109.13	490-1804-2-ND	2,000	104.76/M	GRM31CR71A475MA01L
			10µF	±10%	1.6	490-3371-1-ND	6.23	36.79	106.13	490-3371-2-ND	2,000	101.88/M	GRM31CR71A106KA01L
		6.3	10µF	±10%	1.6	490-1806-1-ND	8.38	49.53	142.88	490-1806-2-ND	2,000	137.16/M	GRM31CR70J106KA01L
	X6S	4	47µF	±20%	1.6	490-4523-1-ND **NEW!**	20.83	123.06	354.98	490-4523-2-ND **NEW!**	2,000	340.78/M	GRM31CR80G476ME19L
			1.0µF	±10%	0.85	490-1807-1-ND	2.92	17.23	49.69	490-1807-2-ND	4,000	47.70/M	GRM319R61E105KC36D
			2.2µF	±10%	0.6	490-1808-1-ND	5.35	31.59	91.13	490-1808-2-ND	4,000	87.48/M	GRM316R61E225KA12D
		25	4.7µF	±10%	0.85	490-3372-1-ND	8.06	47.65	137.44	490-3372-2-ND	4,000	131.94/M	GRM319R61E475KA12D
			10µF	±10%	1.6	490-3373-1-ND	10.23	60.45	174.38	490-3373-2-ND	2,000	167.40/M	GRM31CR61E106KA12L
			1.0µF	±10%	1.15	490-1810-1-ND	3.18	18.79	54.19	490-1810-2-ND	3,000	52.02/M	GRM31MR61C105KA01L
			2.2µF	±10%	1.15	490-1811-1-ND	3.53	20.87	60.19	490-1811-2-ND	3,000	57.78/M	GRM31MR61C225KA35L
			4.7µF	±10%	0.85	490-3374-1-ND	7.81	46.15	133.13	490-3374-2-ND	4,000	127.80/M	GRM319R61C475KA88D
		16	4.7µF	±10%	1.6	490-1812-1-ND	8.60	50.83	146.63	490-1812-2-ND	2,000	140.78/M	GRM31CR61C475KA01L
			4.7µF	±20%	1.6	490-1813-1-ND	5.81	34.32	99.00	490-1813-2-ND	2,000	95.04/M	GRM31CR61C475MA01L
			10µF	±10%	1.6	490-1814-1-ND	7.92	46.80	135.00	490-1814-2-ND	2,000	129.60/M	GRM31CR61C106KC31L
			2.2µF	±10%	0.85	490-1815-1-ND	3.34	19.76	57.00	490-1815-2-ND	4,000	54.72/M	GRM319R61A225KA01D
			2.2µF	±20%	0.85	490-1816-1-ND	3.32	19.63	56.63	490-1816-2-ND	4,000	54.36/M	GRM319R61A225MA01D
			3.3µF	±10%	0.85	490-1817-1-ND	7.11	41.99	121.13	490-1817-2-ND	4,000	116.28/M	GRM319R61A335KA01D
	X5R		4.7µF	±10%	0.85	490-3377-1-ND	6.55	38.68	111.56	490-3377-2-ND	4,000	107.10/M	GRM319R61A475KA01D
		10	4.7µF	±10%	0.6	490-1818-1-ND	4.66	27.56	79.50	490-1818-2-ND	4,000	76.32/M	GRM316R61A475KE19D
			10µF	±10%	0.85	490-3378-1-ND	14.53	85.87	247.69	490-3378-2-ND	4,000	237.78/M	GRM319R61A106KE19D
			10µF	±10%	1.6	490-1820-1-ND	8.38	49.53	142.88	490-1820-2-ND	2,000	137.16/M	GRM31CR61A106KA01L
			10µF	±20%	1.15	490-1819-1-ND	6.80	40.17	115.88	490-1819-2-ND	3,000	111.24/M	GRM31MR61A106ME19L
			4.7µF	±10%	1.15	490-3043-1-ND	5.13	30.29	87.38	490-3043-2-ND	3,000	83.88/M	GRM31MR60J475KC11L
			10µF	±10%	0.85	490-1823-1-ND	15.40	91.00	262.50	490-1823-2-ND	4,000	252.00/M	GRM319R60J106KE01D
			10µF	±20%	0.85	490-1822-1-ND	15.39	90.94	262.31	490-1822-2-ND	4,000	251.82/M	GRM319R60J106ME01D
1206		6.3	10µF	±10%	1.15	490-3379-1-ND	6.24	36.86	106.31	490-3379-2-ND	3,000	102.06/M	GRM31MR60J106KE19L
			22µF	±10%	1.6	490-1824-1-ND	16.56	97.83	282.19	490-1824-2-ND	2,000	270.90/M	GRM31CR60J226KE19L
			47µF	±20%	1.6	490-3907-1-ND	35.38	209.04	603.00	490-3907-2-ND	2,000	579.00/M	GRM31CR60J476ME19L
			100µF	±20%	1.6	490-4539-1-ND **NEW!**	43.78	258.73	746.38	490-4539-2-ND **NEW!**	2,000	716.47/M	GRM31CR60J107ME39L
		100	47000pF	+80, -20%	1.15	490-3380-1-ND	7.05	41.67	120.19	490-3380-2-ND	3,000	115.38/M	GRM31MF52A473ZD01L
			.1µF	+80, -20%	0.85	490-1825-1-ND	1.36	8.06	23.25	490-1825-2-ND	4,000	22.32/M	GRM319F51H104ZA01D
			.33µF	+80, -20%	0.85	490-1826-1-ND	2.24	13.26	38.25	490-1826-2-ND	4,000	36.72/M	GRM319F51H334ZA01D
		50	.47µF	+80, -20%	1.15	490-1827-1-ND	4.29	25.35	73.13	490-1827-2-ND	3,000	70.20/M	GRM31MF51H474ZA01L
			2.2µF	+80, -20%	1.15	490-3381-1-ND	3.09	18.27	52.69	490-3381-2-ND	3,000	50.58/M	GRM31MF51H225ZA01L
			4.7µF	+80, -20%	1.6	490-1828-1-ND	4.24	25.03	72.19	490-1828-2-ND	2,000	69.30/M	GRM31CF51H475ZA01L
			.22µF	+80, -20%	0.85	490-1829-1-ND	2.10	12.42	35.81	490-1829-2-ND	4,000	34.38/M	GRM319F51E224ZA01D
			.47µF	+80, -20%	0.85	490-1830-1-ND	2.74	16.19	46.69	490-1830-2-ND	4,000	44.82/M	GRM319F51E474ZA01D
			.68µF	+80, -20%	1.15	490-1831-1-ND	3.75	22.17	63.94	490-1831-2-ND	3,000	61.38/M	GRM31MF51E684ZA01L
		25	1.0µF	+80, -20%	1.15	490-1832-1-ND	1.79	10.60	30.56	490-1832-2-ND	3,000	29.34/M	GRM31MF51E105ZA01L
			4.7µF	+80, -20%	1.15	490-1833-1-ND	3.75	22.17	63.94	490-1833-2-ND	3,000	61.38/M	GRM31MF51E475ZA01L
			10µF	+80, -20%	1.6	490-3382-1-ND	5.83	34.45	99.38	490-3382-2-ND	2,000	95.40/M	GRM31CF51E106ZA12L
			.47µF	+80, -20%	0.85	490-1834-1-ND	2.73	16.12	46.50	490-1834-2-ND	3,000	44.64/M	GRM319F51C474ZA01L
	Y5V		1.0µF	+80, -20%	0.85	490-1835-1-ND	1.83	10.79	31.13	490-1835-2-ND	4,000	29.88/M	GRM319F51C105ZA01D
			1.5µF	+80, -20%	1.15	490-1836-1-ND	3.30	19.50	56.25	490-1836-2-ND	3,000	54.00/M	GRM31MF51C155ZA01L
		16	2.2µF	+80, -20%	1.15	490-1837-1-ND	3.38	19.96	57.56	490-1837-2-ND	3,000	55.26/M	GRM31MF51C225ZA01L
			3.3µF	+80, -20%	1.15	490-1838-1-ND	3.88	22.95	66.19	490-1838-2-ND	3,000	63.54/M	GRM31MF51C335ZA01L
			4.7µF	+80, -20%	1.15	490-1839-1-ND	3.42	20.22	58.31	490-1839-2-ND	3,000	55.98/M	GRM31MF51C475ZA01L
			10µF	+80, -20%	1.15	490-3383-1-ND	4.93	29.12	84.00	490-3383-2-ND	3,000	80.64/M	GRM31MF51C476ZA12L
			2.2µF	+80, -20%	0.85	490-1840-1-ND	2.89	17.10	49.31	490-1840-2-ND	4,000	47.34/M	GRM319F51A225ZA01D
			3.3µF	+80, -20%	0.85	490-1841-1-ND	3.82	22.56	65.06	490-1841-2-ND	4,000	62.46/M	GRM319F51A335ZA01D
		10	4.7µF	+80, -20%	1.15	490-1842-1-ND	3.42	20.22	58.31	490-1842-2-ND	3,000	55.98/M	GRM31MF51A475ZA01L
			10µF	+80, -20%	1.15	490-1843-1-ND	1.87	11.06	31.89	490-1843-2-ND	3,000	30.62/M	GRM31MF51A106ZA01L
			22µF	+80, -20%	1.6	490-1844-1-ND	9.49	56.10	161.81	490-1844-2-ND	2,000	155.34/M	GRM31CF51A226ZE01L
			10µF	+80, -20%	1.15	490-1845-1-ND	4.37	25.81	74.44	490-1845-2-ND	3,000	71.46/M	GRM31MF50J106ZA01L
		6.3	22µF	+80, -20%	1.6	490-1846-1-ND	9.49	56.10	161.81	490-1846-2-ND	2,000	155.34/M	GRM31CF50J226ZE01L
			100µF	+80, -20%	1.6	490-4512-1-ND **NEW!**	23.48	138.72	400.14	490-4512-2-ND **NEW!**	2,000	384.14/M	GRM31CF50J107ZE01L
	Z5U	50	.22µF	±20%	0.85	490-1847-1-ND	2.38	14.04	40.50	490-1847-2-ND	4,000	38.88/M	GRM319E41H224MA01D
	U2J	630	1500pF	±5%	1.0	490-4297-1-ND **NEW!**	10.38	61.36	177.00	490-4297-2-ND **NEW!**	4,000	170.00/M	GRM32A7U2J152JW31D
			2200pF	±5%	1.0	490-4298-1-ND **NEW!**	10.38	61.36	177.00	490-4298-2-ND **NEW!**	4,000	170.00/M	GRM32A7U2J222JW31D
			6800pF	±10%	1.5	490-3499-1-ND	10.73	63.38	182.81	490-3499-2-ND	2,000	176.00/M	GRM32QR73A682KW01L
		1,000	10000pF	±10%	1.5	490-3500-1-ND	7.15	42.15	193.69	490-3500-2-ND	2,000	186.00/M	GRM32QR73A103KW01L
			15000pF	±10%	2.0	490-3501-1-ND	12.80	75.66	218.25	490-3501-2-ND	1,000	210.00	GRM32DR73A153KW01L
			22000pF	±10%	2.0	490-3502-1-ND	13.09	77.35	223.13	490-3502-2-ND	1,000	214.00	GRM32DR73A223KW01L
			22000pF	±10%	1.5	490-3514-1-ND	8.42	49.73	143.44	490-3514-2-ND	2,000	138.00/M	GRM32QR72J223KW01L
		630	33000pF	±10%	2.0	490-3515-1-ND	9.61	56.81	163.88	490-3515-2-ND	1,000	157.00	GRM32DR72J333KW01L
			47000pF	±10%	2.0	490-3516-1-ND	12.33	72.87	210.19	490-3516-2-ND	1,000	202.00	GRM32DR72J473KW01L
			68000pF	±10%	1.5	490-3539-1-ND	7.57	44.72	129.00	490-3539-2-ND	2,000	124.00/M	GRM32QR72E683KW01L
		250	.1µF	±10%	2.0	490-3541-1-ND	7.63	45.11	130.13	490-3541-2-ND	1,000	125.00	GRM32DR72E104KW01L
			.22µF	±10%	2.0	490-3545-1-ND	7.24	42.77	123.38	490-3545-2-ND	1,000	104.00	GRM32DR72E224KW01L
			56000pF	±10%	1.35	490-1848-1-ND	7.91	46.74	134.81	490-1848-2-ND	2,000	129.42/M	GRM32NR72A563KA01L
			68000pF	±10%	1.35	490-1850-1-ND	8.28	48.95	141.19	490-1850-2-ND	2,000	135.54/M	GRM32NR72A683KA01L
			68000pF	±20%	1.35	490-1849-1-ND	7.95	47.00	135.56	490-1849-2-ND	2,000	130.14/M	GRM32NR72A683MA01L
			82000pF	±10%	1.35	490-1851-1-ND	8.17	48.30	139.31	490-1851-2-ND	2,000	133.74/M	GRM32NR72A823KA01L
			.1µF	±10%	1.35	490-1853-1-ND	8.45	49.92	144.00	490-1853-2-ND	2,000	138.24/M	GRM32NR72A104KA01L
		100	.1µF	±20%	1.35	490-1852-1-ND	8.45	49.92	144.00	490-1852-2-ND	2,000	138.24/M	GRM32NR72A104MA01L
			.68µF	±10%	1.6	490-1854-1-ND	12.25	72.41	208.88	490-1854-2-ND	2,000	200.52/M	GRM32CR72A684KA01L
			.68µF	±20%	1.6	490-1855-1-ND	12.25	72.41	208.88	490-1855-2-ND	2,000	200.52/M	GRM32CR72A684MA01L
			1.0µF	±10%	2.5	490-1857-1-ND	13.11	77.48	223.50	490-1857-2-ND	1,000	214.56	GRM32ER72A105KA01L
1210	X7R		1.0µF	±20%	2.5	490-1856-1-ND	13.11	77.48	223.50	490-1856-2-ND	1,000	214.56	GRM32ER72A105MA01L
			2.2µF	±10%	2.5	490-3385-1-ND	29.27	172.97	498.94	490-3385-2-ND	1,000	478.98	GRM32ER72A225KA35L
			.56µF	±10%	1.35	490-1858-1-ND	7.92	46.80	135.00	490-1858-2-ND	2,000	129.60/M	GRM32NR71H564KA01L
			.68µF	±10%	1.35	490-1860-1-ND	8.33	49.21	141.94	490-1860-2-ND	2,000	136.26/M	GRM32NR71H684KA01L
			.68µF	±20%	1.35	490-1859-1-ND	8.33	49.21	141.94	490-1859-2-ND	2,000	136.26/M	GRM32NR71H684MA01L
			.82µF	±10%	1.8	490-1861-1-ND	9.00	53.17	153.38	490-1861-2-ND	1,000	147.24	GRM32RR71H824KA01L
		50	1.0µF	±10%	1.8	490-1863-1-ND	6.59	38.94	112.31	490-1863-2-ND	1,000	107.82	GRM32RR71H105KA01L
			1.0µF	±20%	1.8	490-1862-1-ND	6.59	38.94	112.31	490-1862-2-ND	1,000	107.82	GRM32RR71H105MA01L
			3.3µF	±10%	2.0	490-3386-1-ND	19.90	117.59	339.19	490-3386-2-ND	1,000	325.62	GRM32DR71H335KA88L
			4.7µF	±10%	2.5	490-1864-1-ND	21.98	129.87	374.63	490-1864-2-ND	1,000	359.64	GRM32ER71H475KA88L
			2.2µF	±10%	1.8	490-1865-1-ND	9.41	55.58	160.31	490-1865-2-ND	1,000	153.90	GRM32RR71E225KC01L
		25	2.2µF	±20%	1.8	490-1866-1-ND	8.36	49.40	142.50	490-1866-2-ND	1,000	136.80	GRM32RR71E225MC01L
			10µF	±10%	2.0	490-1867-1-ND	17.72	104.72	302.06	490-1867-2-ND	1,000	289.98	GRM32DR71E106KA12L
			3.3µF	±10%	1.35	490-1871-1-ND	12.30	72.67	209.63	490-1871-2-ND	2,000	201.24/M	GRM32NR71C335KC01L
			3.3µF	±20%	1.35	490-1870-1-ND	12.30	72.67	209.63	490-1870-2-ND	2,000	201.24/M	GRM32NR71C335MA01L
			10µF	±10%	2.0	490-1875-1-ND	16.41	96.98	279.75	490-1875-2-ND	1,000	268.56	GRM32DR71C106KA01L
		16	10µF	±20%	2.0	490-1874-1-ND	16.41	96.98	279.75	490-1874-2-ND	1,000	268.56	GRM32DR71C106MA01L
			2.2µF	±10%	1.15	490-1869-1-ND	10.40	61.43	177.19	490-1869-2-ND	3,000	170.10/M	GRM32MR71C225KC01L
			2.2µF	±20%	1.15	490-1868-1-ND	9.25	54.67	157.69	490-1868-2-ND	3,000	151.38/M	GRM32MR71C225MC01L
			4.7µF	±10%	1.8	490-1872-1-ND	11.95	70.59	203.63	490-1872-2-ND	1,000	195.48	GRM32RR71C475KC01L

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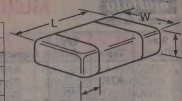
Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Murata Part No.
X7R	16	4.7µF	±20%	1.8	490-1873-1-ND	11.95	70.59	203.63	490-1873-2-ND	1,000	195.48	GRM32RR71C475MC01L
		22µF	±10%	2.5	490-4524-1-ND **NEW!**	25.39	150.02	432.75	490-4524-2-ND **NEW!**	1,000	415.44	GRM32ER71C226KE18L
	10	22µF	±10%	2.5	490-1876-1-ND	26.52	156.72	452.06	490-1876-2-ND	1,000	433.98	GRM32ER71A226KE20L
	25	4.7µF	±10%	1.8	490-1877-1-ND	12.61	74.49	214.88	490-1877-2-ND	1,000	206.28	GRM32RR61E475KC31L
		10µF	±10%	2.0	490-1878-1-ND	17.72	104.72	302.06	490-1878-2-ND	1,000	289.98	GRM32DR61E106KA12L
		22µF	±10%	2.5	490-3889-1-ND	25.42	150.22	433.31	490-3889-2-ND	1,000	416.00	GRM32ER61E226KE15L
	16	4.7µF	±10%	1.8	490-1879-1-ND	11.47	67.80	195.56	490-1879-2-ND	1,000	187.74	GRM32RR61C475KC01L
		10µF	±10%	2.0	490-1880-1-ND	15.60	92.17	265.88	490-1880-2-ND	1,000	255.24	GRM32DR61C106KA01L
		22µF	±10%	2.5	490-1882-1-ND	28.08	165.95	478.69	490-1882-2-ND	1,000	459.54	GRM32ER61C226KE20L
		22µF	±20%	2.5	490-1881-1-ND	28.08	165.95	478.69	490-1881-2-ND	1,000	459.54	GRM32ER61C226ME20L
		47µF	±20%	2.5	490-3888-1-ND	30.34	179.27	517.14	490-3888-2-ND	1,000	496.00	GRM32ER61C476ME15L
X5R	10	10µF	±10%	2.5	490-1883-1-ND	14.81	87.49	252.38	490-1883-2-ND	1,000	242.28	GRM32ER61A106KC01L
		10µF	±20%	2.5	490-1884-1-ND	14.81	87.49	252.38	490-1884-2-ND	1,000	242.28	GRM32ER61A106MC01L
		22µF	±10%	2.5	490-3388-1-ND	26.81	158.41	456.94	490-3388-2-ND	1,000	438.66	GRM32ER61A226KE20L
		47µF	±10%	2.5	490-3887-1-ND	37.46	221.33	613.00	490-3887-2-ND	1,000	613.00	GRM32ER61A476KE20L
	6.3	22µF	±10%	2.0	490-1886-1-ND	27.96	165.23	476.63	490-1886-2-ND	1,000	457.56	GRM32DR60J226KA01L
		22µF	±20%	2.0	490-1885-1-ND	27.96	165.23	476.63	490-1885-2-ND	1,000	457.56	GRM32DR60J226MA01L
		33µF	±20%	2.0	490-3389-1-ND	27.89	164.78	475.31	490-3389-2-ND	1,000	456.30	GRM32DR60J336ME19L
		47µF	±20%	2.5	490-1887-1-ND	35.08	207.29	597.94	490-1887-2-ND	1,000	574.02	GRM32ER60J476ME20L
		100µF	±20%	2.5	490-3390-1-ND	74.28	438.95	1266.19	490-3390-2-ND	1,000	1215.54	GRM32ER60J107ME20L
Y5V	100	.1µF	+80, -20%	1.35	490-1888-1-ND	6.13	36.21	104.44	490-1888-2-ND	2,000	100.26/M	GRM32NF52A104ZA01L
	50	.68µF	+80, -20%	1.35	490-1889-1-ND	7.87	46.48	134.06	490-1889-2-ND	2,000	128.70/M	GRM32NF51H684ZA01L
		1.0µF	+80, -20%	1.8	490-1890-1-ND	5.70	33.67	97.13	490-1890-2-ND	1,000	93.24	GRM32RF51H105ZA01L
		10µF	+80, -20%	2.0	490-1891-1-ND	11.24	66.43	191.63	490-1891-2-ND	1,000	183.96	GRM32DF51H106ZA01L
	25	4.7µF	+80, -20%	0.85	490-1892-1-ND	7.07	41.80	120.56	490-1892-2-ND	4,000	115.74/M	GRM329F51E475ZA01D
		10µF	+80, -20%	1.35	490-1893-1-ND	9.65	57.01	164.44	490-1893-2-ND	2,000	157.86/M	GRM32NF51E106ZA01L
	16	10µF	+80, -20%	1.35	490-1894-1-ND	9.48	56.03	161.63	490-1894-2-ND	2,000	155.16/M	GRM32NF51C106ZA01L
		22µF	+80, -20%	1.6	490-3392-1-ND	13.10	77.42	223.31	490-3392-2-ND	2,000	214.38/M	GRM32CF51C226ZA12L
	10	10µF	+80, -20%	0.85	490-3393-1-ND	7.95	47.00	135.56	490-3393-2-ND	4,000	130.14/M	GRM329F51A106ZA01D
		22µF	+80, -20%	1.6	490-1895-1-ND	12.39	73.19	211.13	490-1895-2-ND	2,000	117.15/M	GRM32CF51A226ZA01L
	6.3	100µF	+80, -20%	2.5	490-3394-1-ND	46.48	274.63	792.19	490-3394-2-ND	1,000	760.50	GRM32EF50J107ZE20L
Z5U	50	1.0µF	±20%	1.8	490-1896-1-ND	5.90	34.84	100.50	490-1896-2-ND	1,000	96.48	GRM32RE41H105MA01L
U2J	3,150	56pF	±5%	1.0	490-4306-1-ND **NEW!**	10.03	59.28	171.00	490-4306-2-ND **NEW!**	3,000	164.00/M	GRM42A7U3F560JW31L
		68pF	±5%	1.0	490-4307-1-ND **NEW!**	10.03	59.28	171.00	490-4307-2-ND **NEW!**	3,000	164.00/M	GRM42A7U3F680JW31L
		82pF	±5%	1.0	490-4308-1-ND **NEW!**	10.03	59.28	171.00	490-4308-2-ND **NEW!**	3,000	164.00/M	GRM42A7U3F820JW31L
		100pF	±5%	1.0	490-4309-1-ND **NEW!**	10.03	59.28	171.00	490-4309-2-ND **NEW!**	3,000	164.00/M	GRM42A7U3F101JW31L
C0G (NP0)	50	9100pF	±5%	1.8	490-1897-1-ND	49.30	291.33	840.38	490-1897-2-ND	1,000	806.76	GRM43R5C1H912JD01L
		11000pF	±5%	1.8	490-1898-1-ND	59.37	350.81	1011.94	490-1898-2-ND	1,000	971.46	GRM43R5C1H113JD01L
		13000pF	±5%	1.8	490-1899-1-ND	70.75	418.08	1206.00	490-1899-2-ND	1,000	1157.76	GRM43R5C1H133JD01L
	1,000	33000pF	±10%	2.0	490-3503-1-ND	22.11	130.65	376.88	490-3503-2-ND	1,000	362.00	GRM43DR73A333KW01L
		47000pF	±10%	2.0	490-3504-1-ND	23.20	137.09	395.44	490-3504-2-ND	1,000	380.00	GRM43DR73A473KW01L
	630	68000pF	±10%	1.5	490-3517-1-ND	16.92	99.97	288.38	490-3517-2-ND	1,000	277.00	GRM43QR72J683KW01L
		.1µF	±10%	2.0	490-3518-1-ND	16.92	99.97	288.38	490-3518-2-ND	1,000	277.00	GRM43DR72J104KW01L
X7R	250	.15µF	±10%	1.5	490-3543-1-ND	17.07	100.88	291.00	490-3543-2-ND	1,000	279.00	GRM43QR72E154KW01L
		.22µF	±10%	2.0	490-3544-1-ND	13.48	79.63	229.69	490-3544-2-ND	1,000	257.00	GRM43DR72E224KW01L
		.33µF	±10%	2.0	490-3547-1-ND	15.32	90.55	261.19	490-3547-2-ND	1,000	251.00	GRM43DR72E334KW01L
		.47µF	±10%	2.0	490-3549-1-ND	18.66	110.24	318.00	490-3549-2-ND	1,000	305.00	GRM43DR72E474KW01L
	100	.12µF	±10%	1.8	490-1900-1-ND	11.53	68.12	196.50	490-1900-2-ND	1,000	188.64	GRM43RR72A124KA01L
		.15µF	±10%	1.8	490-1901-1-ND	12.21	72.15	208.13	490-1901-2-ND	1,000	199.80	GRM43RR72A154KA01L
		.18µF	±10%	1.8	490-1902-1-ND	15.75	93.08	268.50	490-1902-2-ND	1,000	257.76	GRM43RR72A184KA01L
		.22µF	±10%	1.8	490-1903-1-ND	17.07	100.88	291.00	490-1903-2-ND	1,000	279.36	GRM43RR72A224KA01L
		.22µF	±20%	1.8	490-1904-1-ND	17.07	100.88	291.00	490-1904-2-ND	1,000	279.36	GRM43RR72A224MA01L
		.47µF	±10%	2.0	490-1905-1-ND	30.49	180.18	519.75	490-1905-2-ND	1,000	498.96	GRM43DR72A474KA01L
		1.5µF	±10%	2.0	490-1906-1-ND	32.97	194.81	561.94	490-1906-2-ND	1,000	539.46	GRM43DR72A155KA01L
		1.5µF	±20%	2.0	490-1907-1-ND	32.97	194.81	561.94	490-1907-2-ND	1,000	539.46	GRM43DR72A155MA01L
		2.2µF	±10%	2.5	490-1908-1-ND	35.44	209.43	—	490-1908-2-ND	500	289.98	GRM43ER72A225KA01L
		2.2µF	±20%	2.5	490-1909-1-ND	35.44	209.43	—	490-1909-2-ND	500	289.98	GRM43ER72A225MA01L
	50	1.5µF	±10%	2.0	490-1910-1-ND	26.84	158.60	457.50	490-1910-2-ND	1,000	439.20	GRM43DR71H155KA01L
		1.5µF	±20%	2.0	490-1911-1-ND	26.84	158.60	457.50	490-1911-2-ND	1,000	439.20	GRM43DR71H155MA01L
		2.2µF	±10%	2.5	490-1912-1-ND	28.59	168.94	—	490-1912-2-ND	500	233.91	GRM43ER71H225KA01L
		2.2µF	±20%	2.5	490-1913-1-ND	28.59	168.94	—	490-1913-2-ND	500	233.91	GRM43ER71H225MA01L
	25	4.7µF	±10%	2.5	490-1914-1-ND	27.57	162.89	—	490-1914-2-ND	500	225.54	GRM43ER71E475KA01L
		4.7µF	±20%	2.5	490-1915-1-ND	27.57	162.89	—	490-1915-2-ND	500	225.54	GRM43ER71E475MA01L
	10	22µF	±10%	2.5	490-1916-1-ND	32.82	193.96	—	490-1916-2-ND	500	268.56	GRM43ER71A226KE01L
	16	22µF	±10%	2.5	490-1917-1-ND	27.50	162.53	—	490-1917-2-ND	500	225.04	GRM43ER61C226KE01L
	10	47µF	±10%	2.5	490-1918-1-ND	51.79	306.02	—	490-1918-2-ND	500	423.72	GRM43ER61A476KE19L
X5R	6.3	33µF	±10%	2.0	490-1919-1-ND	47.11	278.40	803.06	490-1919-2-ND	1,000	770.94	GRM43DR60J336KE01L
		33µF	±20%	2.0	490-1920-1-ND	47.11	278.40	803.06	490-1920-2-ND	1,000	770.94	GRM43DR60J336ME01L
		47µF	±10%	2.5	490-1921-1-ND	51.79	306.02	—	490-1921-2-ND	500	423.72	GRM43ER60J476KE01L
		47µF	±20%	2.5	490-1922-1-ND	51.79	306.02	—	490-1922-2-ND	500	423.72	GRM43ER60J476ME01L
		100µF	±20%	2.8	490-1923-1-ND	85.04	502.52	—	490-1923-2-ND	500	695.79	GRM43SR60J107ME20L
Y5V	100	.15µF	+80, -20%	1.8	490-1924-1-ND	13.10	77.42	223.31	490-1924-2-ND	1,000	214.38	GRM43RF52A154ZA01L
	50	1.5µF	+80, -20%	1.8	490-1925-1-ND	61.27	362.05	1044.38	490-1925-2-ND	1,000	1002.60	GRM43RF51H155ZD01L
C0G (NP0)	50	16000pF	±5%	1.35	490-1926-1-ND	77.02	455.13	1312.88	490-1926-2-ND	1,000	1260.36	GRM55N5C1H163JD01L
		20000pF	±5%	1.8	490-1927-1-ND	95.99	567.19	1636.13	490-1927-2-ND	1,000	1570.68	GRM55R5C1H203JD01L
		24000pF	±5%	1.8	490-1928-1-ND	112.18	662.87	1912.13	490-1928-2-ND	1,000	1835.64	GRM55R5C1H243JD01L
		30000pF	±5%	1.8	490-1929-1-ND	123.99	732.68	2113.50	490-1929-2-ND	1,000	2028.96	GRM55R5C1H303JD01L
		36000pF	±5%	1.8	490-1930-1-ND	136.39	805.94	2324.81	490-1930-2-ND	1,000	2231.82	GRM55R5C1H363JD01L
		43000pF	±5%	1.8	490-1931-1-ND	140.38	829.53	2392.88	490-1931-2-ND	1,000	2297.16	GRM55R5C1H433JD01L
X7R	1,000	0.1µF	±10%	2.0	490-3505-1-ND	51.11	301.99	871.13	490-3505-2-ND	1,000	836.00	GRM55DR73A104KW01L
	630	.15µF	±10%	2.0	490-3519-1-ND	32.71	193.31	557.63	490-3519-2-ND	1,000	535.00	GRM55DR72J154KW01L
		.22µF	±10%	2.0	490-3520-1-ND	35.12	207.55	598.69	490-3520-2-ND	1,000	575.00	GRM55DR72J224KW01L
	250	.33µF	±10%	2.0	490-3546-1-ND	33.26	196.56	567.00	490-3546-2-ND	1,000	544.00	GRM55DR72E334KW01L
		.47µF	±10%	2.0	490-3548-1-ND	32.92	194.55	561.19	490-3548-2-ND	1,000	554.00	GRM55DR72E474KW01L
		1.0µF	±10%	2.0	490-3550-1-ND	32.92	194.55	561.19	490-3550-2-ND	1,000	539.00	GRM55DR72E105KW01L
	100	1.0µF	±10%	2.0	490-1932-1-ND	42.15	249.08	718.50	490-1932-2-ND	1,000	689.76	GRM55DR72A105KA01L
		1.0µF	±20%	2.0	490-1933-1-ND	42.15	249.08	718.50	490-1933-2-ND	1,000	689.76	GRM55DR72A105MA01L
		4.7µF	±10%	2.5	490-1934-1-ND	74.54	440.44	—	490-1934-2-ND	500	609.84	GRM55ER72A475KA01L
	50	1.0µF	±10%	1.8	490-1936-1-ND	46.24	273.26	788.25	490-1936-2-ND	1,000	756.72	GRM55RR71H105KA01L
		1.0µF	±20%	1.8	490-1935-1-ND	46.24	273.26	788.25	490-1935-2-ND	1,000	756.72	GRM55RR71H105MA01L
		1.5µF	±10%	1.8	490-1938-1-ND	59.66	352.56	1017.00	490-1938-2-ND	1,000	976.32	GRM55RR71H155KA01L
		1.5µF	±20%	1.8	490-1937-1-ND	59.66	352.56	1017.00	490-1937-2-ND	1,000	976.32	GRM55RR71H155MA01L
		3.3µF	±10%	2.0	490-1939-1-ND	59.66	352.56	1017.00	490-1939-2-ND	1,000	976.32	GRM55DR71H335KA01L
		3.3µF	±20%	2.0	490-1940-1-ND	59.66	352.56	1017.00	490-1940-2-ND	1,000	976.32	GRM55DR71H335MA01L
		4.7µF	±10%	2.5	490-1941-1-ND	56.60	334.43	—	490-1941-2-ND	500	463.05	GRM55ER71H475KA01L
		4.7µF	±20%	2.5	490-1942-1-ND	57.76	341.32	—	490-1942-2-ND	500	472.59	GRM55ER71H475MA01L
	25	10µF	±10%	2.0	490-1943-1-ND	107.80	637.00	1837.50	490-1943-2-ND	1,000	1764.00	GRM55DR71E106KA01L
		10µF	±20%	2.0	490-1944-1-ND	107.80	637.00	1837.50	490-1944-2-ND	1,000	1764.00	GRM55DR71E106MA01L
		15µF	±10%	2.5	490-1945-1-ND	53.82	318.05	—	490-1945-2-ND	500	440.37	GRM55ER71E156KA01L
		15µF	±20%	2.5	490-1946-1-ND	53.82	318.05	—	490-1946-2-ND	500	440.37	GRM55ER71E156MA01L
X5R	6.3	100µF	±10%	3.2	490-1947-1-ND	133.00	785.92	—	490-1947-2-ND	300	652.91	GRM55FR60J107KA01L
Y5V	100	.47µF	+80, -20%	1.8	490-1948-1-ND	35.30	208.59	601.69	490-1948-2-ND	1,000	577.62	GRM55RF52A474ZA01L
		.68µF	+80, -20%	1.8	490-1949-1-ND	67.40	398.26	1148.81	490-1949-2-ND	1,000	1102.86	GRM55RF52A684ZD01L
	50	3.3µF	+80, -20%	1.8	490-1950-1-ND	102.70	606.84	1750.50	490-1950-2-ND	1,000	1680.48	GRM55RF51H335ZD01L
		4.7µF	+80, -20%	1.8	490-1951-1-ND	125.57	741.98	2140.31	490-1951-2-ND	1,000	2054.70	GRM55RF51H475ZD01L

TAIYO YUDEN Multilayer Ceramic Chip Capacitors

Features: The use of Nickel (Ni) as material for both the internal and external electrodes improves the solderability and heat resistance characteristics. This almost completely eliminates migration and raises the level of reliability significantly. Low equivalent series resistance (ESR) provides excellent noise absorption characteristics. Compared to tantalum or aluminum electrolytic capacitors, these ceramic capacitors offer a number of excellent features, including: • Higher permissible ripple current values • Smaller case sizes relative to rated voltage • Improved reliability due to higher insulation resistance and breakdown voltage

Operating Temperature Range: • C0G: -55° ~ 125°C • X7R: -55° ~ 125°C • X5R: -55° ~ 85°C • X5S: -55° ~ 85°C • Y5V: -30° ~ 85°C

Size Code	Dimensions (mm) L	W	e	Size Code	Dimensions (mm) L	W	e
0402	1.00	0.50	0.25	0805	2.00	1.25	0.50
0508	1.25	2.00	0.30	1206	3.20	1.60	0.50
0603	1.60	0.80	0.35	1210	3.20	2.50	0.60
0612	1.60	3.20	0.30	1812	4.50	3.20	0.90



Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Taiyo Yuden Part No.
			1.0pF			587-1149-1-ND	.55	3.25	9.38	587-1149-2-ND	15,000	9.00/M	TMK063CG010CP-F
			1.2pF			587-1150-1-ND	.55	3.25	9.38	587-1150-2-ND	15,000	9.00/M	TMK063CG1R2CP-F
			1.5pF			587-1151-1-ND	.55	3.25	9.38	587-1151-2-ND	15,000	9.00/M	TMK063CG1R5CP-F
			1.8pF			587-1152-1-ND	.55	3.25	9.38	587-1152-2-ND	15,000	9.00/M	TMK063CG1R8CP-F
			2.2pF	±0.25pF	0.3	587-1153-1-ND	.55	3.25	9.38	587-1153-2-ND	15,000	9.00/M	TMK063CG2R2CP-F
			2.7pF			587-1154-1-ND	.55	3.25	9.38	587-1154-2-ND	15,000	9.00/M	TMK063CG2R7CP-F
			3.3pF			587-1155-1-ND	.55	3.25	9.38	587-1155-2-ND	15,000	9.00/M	TMK063CG3R3CP-F
			3.9pF			587-1156-1-ND	.55	3.25	9.38	587-1156-2-ND	15,000	9.00/M	TMK063CG3R9CP-F
			4.7pF			587-1157-1-ND	.55	3.25	9.38	587-1157-2-ND	15,000	9.00/M	TMK063CG4R7CP-F
			5.6pF			587-1158-1-ND	.55	3.25	9.38	587-1158-2-ND	15,000	9.00/M	TMK063CG5R6DP-F
			6.8pF	±0.5pF	0.3	587-1159-1-ND	.55	3.25	9.38	587-1159-2-ND	15,000	9.00/M	TMK063CG6R8DP-F
			8.2pF			587-1160-1-ND	.55	3.25	9.38	587-1160-2-ND	15,000	9.00/M	TMK063CG8R2DP-F
	C0G (NP0)	25	10pF			587-1161-1-ND	.55	3.25	9.38	587-1161-2-ND	15,000	9.00/M	TMK063CG100DP-F
			12pF			587-1162-1-ND	.55	3.25	9.38	587-1162-2-ND	15,000	9.00/M	TMK063CG120JP-F
			15pF			587-1163-1-ND	.55	3.25	9.38	587-1163-2-ND	15,000	9.00/M	TMK063CG150JP-F
			18pF			587-1164-1-ND	.55	3.25	9.38	587-1164-2-ND	15,000	9.00/M	TMK063CG180JP-F
			22pF			587-1165-1-ND	.55	3.25	9.38	587-1165-2-ND	15,000	9.00/M	TMK063CG220JP-F
0201			27pF			587-1166-1-ND	.55	3.25	9.38	587-1166-2-ND	15,000	9.00/M	TMK063CG270JP-F
			33pF	±5%	0.3	587-1167-1-ND	.55	3.25	9.38	587-1167-2-ND	15,000	9.00/M	TMK063CG330JP-F
			39pF			587-1168-1-ND	.55	3.25	9.38	587-1168-2-ND	15,000	9.00/M	TMK063CG390JP-F
			47pF			587-1169-1-ND	.55	3.25	9.38	587-1169-2-ND	15,000	9.00/M	TMK063CG470JP-F
			56pF			587-1170-1-ND	.55	3.25	9.38	587-1170-2-ND	15,000	9.00/M	TMK063CG560JP-F
			68pF			587-1171-1-ND	.55	3.25	9.38	587-1171-2-ND	15,000	9.00/M	TMK063CG680JP-F
			82pF			587-1172-1-ND	.55	3.25	9.38	587-1172-2-ND	15,000	9.00/M	TMK063CG820JP-F
			100pF			587-1173-1-ND	.55	3.25	9.38	587-1173-2-ND	15,000	9.00/M	TMK063CG101JP-F
			100pF			587-1174-1-ND	.55	3.25	9.38	587-1174-2-ND	15,000	9.00/M	TMK063BJ101KP-F
			220pF			587-1175-1-ND	.55	3.25	9.38	587-1175-2-ND	15,000	9.00/M	TMK063BJ221KP-F
		25	470pF	±10%	0.3	587-1176-1-ND	.55	3.25	9.38	587-1176-2-ND	15,000	9.00/M	TMK063BJ471KP-F
			1000pF			587-1177-1-ND	.55	3.25	9.38	587-1177-2-ND	15,000	9.00/M	TMK063BJ102KP-F
			2200pF			587-1178-1-ND	.66	3.90	11.25	587-1178-2-ND	15,000	11.00/M	EMK063BJ222KP-F
			4700pF			587-1179-1-ND	.66	3.90	11.25	587-1179-2-ND	15,000	11.00/M	EMK063BJ472KP-F
	X5R	16	10000pF	±10%	0.3	587-1180-1-ND	.88	5.20	15.00	587-1180-2-ND	15,000	14.00/M	EMK063BJ103KP-F
		10	22000pF	±10%	0.3	587-1181-1-ND	.99	5.85	16.88	587-1181-2-ND	15,000	16.00/M	LMK063BJ223KP-F
		6.3	47000pF	±10%	0.3	587-1182-1-ND	.99	5.85	16.88	587-1182-2-ND	15,000	16.00/M	JMK063BJ473KP-F
			.10µF			587-1183-1-ND	1.10	6.50	18.75	587-1183-2-ND	15,000	18.00/M	JMK063BJ104KP-F
	Y5V	6.3	22000pF	±80% / -20%	0.3	587-1184-1-ND	.66	3.90	11.25	587-1184-2-ND	15,000	11.00/M	JMK063F223ZP-F
			47000pF			587-1185-1-ND	.66	3.90	11.25	587-1185-2-ND	15,000	11.00/M	JMK063F473ZP-F
0306	X5R	6.3	1.0µF	±10%	0.8	587-1186-1-ND	3.85	22.75	65.63	587-1186-2-ND	4,000	63.00/M	JWK107BJ105KA-T
			1.0pF			587-1187-1-ND	.33	1.95	5.63	587-1187-2-ND	10,000	5.00/M	UMK105CG010CW-F
			1.2pF			587-1188-1-ND	.33	1.95	5.63	587-1188-2-ND	10,000	5.00/M	UMK105CG1R2CW-F
			1.5pF			587-1189-1-ND	.33	1.95	5.63	587-1189-2-ND	10,000	5.00/M	UMK105CG1R5CW-F
			1.8pF			587-1190-1-ND	.33	1.95	5.63	587-1190-2-ND	10,000	5.00/M	UMK105CG1R8CW-F
			2.2pF	±0.25pF	0.5	587-1191-1-ND	.33	1.95	5.63	587-1191-2-ND	10,000	5.00/M	UMK105CG2R2CW-F
			2.7pF			587-1192-1-ND	.33	1.95	5.63	587-1192-2-ND	10,000	5.00/M	UMK105CG2R7CW-F
			3.3pF			587-1193-1-ND	.33	1.95	5.63	587-1193-2-ND	10,000	5.00/M	UMK105CG3R3CW-F
			3.9pF			587-1194-1-ND	.33	1.95	5.63	587-1194-2-ND	10,000	5.00/M	UMK105CG3R9CW-F
			4.7pF			587-1195-1-ND	.33	1.95	5.63	587-1195-2-ND	10,000	5.00/M	UMK105CG4R7CW-F
			5.6pF			587-1196-1-ND	.33	1.95	5.63	587-1196-2-ND	10,000	5.00/M	UMK105CG5R6DW-F
			6.8pF	±0.5pF	0.5	587-1197-1-ND	.33	1.95	5.63	587-1197-2-ND	10,000	5.00/M	UMK105CG6R8DW-F
			8.2pF			587-1198-1-ND	.33	1.95	5.63	587-1198-2-ND	10,000	5.00/M	UMK105CG8R2DW-F
			10pF			587-1199-1-ND	.33	1.95	5.63	587-1199-2-ND	10,000	5.00/M	UMK105CG100DW-F
			12pF			587-1200-1-ND	.33	1.95	5.63	587-1200-2-ND	10,000	5.00/M	UMK105CG120JW-F
			15pF	±5%	0.5	587-1201-1-ND	.33	1.95	5.63	587-1201-2-ND	10,000	5.00/M	UMK105CG150JW-F
	C0G (NP0)	50	18pF			587-1202-1-ND	.33	1.95	5.63	587-1202-2-ND	10,000	5.00/M	UMK105CG180JW-F
			22pF			587-1203-1-ND	.33	1.95	5.63	587-1203-2-ND	10,000	5.00/M	UMK105CG220JV-F
			27pF			587-1204-1-ND	.33	1.95	5.63	587-1204-2-ND	10,000	5.00/M	UMK105CG270JV-F
			33pF			587-1205-1-ND	.33	1.95	5.63	587-1205-2-ND	10,000	5.80/M	UMK105CG330JV-F
			39pF			587-1206-1-ND	.33	1.95	5.63	587-1206-2-ND	10,000	5.00/M	UMK105CG390JV-F
			47pF			587-1207-1-ND	.33	1.95	5.63	587-1207-2-ND	10,000	5.00/M	UMK105CG470JV-F
			56pF			587-1208-1-ND	.33	1.95	5.63	587-1208-2-ND	10,000	5.00/M	UMK105CG560JV-F
			68pF			587-1209-1-ND	.33	1.95	5.63	587-1209-2-ND	10,000	5.00/M	UMK105CG680JV-F
			82pF	±5%	0.5	587-1210-1-ND	.33	1.95	5.63	587-1210-2-ND	10,000	5.00/M	UMK105CG820JV-F
			100pF			587-1211-1-ND	.40	2.34	6.75	587-1211-2-ND	10,000	6.00/M	UMK105CG101JV-F
			120pF			587-1212-1-ND	.40	2.34	6.75	587-1212-2-ND	10,000	6.00/M	UMK105CG121JV-F
			150pF			587-1213-1-ND	.40	2.34	6.75	587-1213-2-ND	10,000	6.00/M	UMK105CG151JV-F
			180pF			587-1214-1-ND	.40	2.34	6.75	587-1214-2-ND	10,000	6.00/M	UMK105CG181JV-F
0402			220pF			587-1215-1-ND	.40	2.34	6.75	587-1215-2-ND	10,000	6.00/M	UMK105CG221JV-F
			270pF			587-1216-1-ND	.40	2.34	6.75	587-1216-2-ND	10,000	6.00/M	UMK105CG271JV-F
			330pF			587-1217-1-ND	.40	2.34	6.75	587-1217-2-ND	10,000	6.00/M	UMK105CG331JV-F
			220pF			587-1218-1-ND	.32	1.89	5.44	587-1218-2-ND	10,000	5.00/M	UMK105BJ221KV-F
		50	470pF	±10%	0.5	587-1219-1-ND	.26	1.56	4.50	587-1219-2-ND	10,000	4.00/M	UMK105BJ471KV-F
			1000pF			587-1220-1-ND	.25	1.50	4.31	587-1220-2-ND	10,000	4.00/M	UMK105BJ102KV-F
			2200pF			587-1221-1-ND	.26	1.56	4.50	587-1221-2-ND	10,000	4.00/M	UMK105BJ222KV-F
	X7R	25	4700pF	±10%	0.5	587-1222-1-ND	.28	1.63	4.69	587-1222-2-ND	10,000	5.00/M	TMK105BJ472KV-F
			10000pF			587-1223-1-ND	.25	1.50	4.31	587-1223-2-ND	10,000	4.00/M	TMK105BJ103KV-F
			22000pF			587-1224-1-ND	.24	1.43	4.13	587-1224-2-ND	10,000	4.00/M	EMK105BJ223KV-F
		16	47000pF	±10%	0.5	587-1225-1-ND	.24	1.43	4.13	587-1225-2-ND	10,000	4.00/M	EMK105BJ473KV-F
			.10µF			587-1451-1-ND	.39	2.28	6.56	587-1451-2-ND	10,000	6.00/M	EMK105BJ104KV-FR
		25	.10µF	±10%	0.5	587-1456-1-ND	.43	2.54	7.31	587-1456-2-ND	10,000	7.00/M	TMK105BJ104KV-F
		16	.10µF	±10%	0.5	587-1226-1-ND	.40	2.34	6.75	587-1226-2-ND	10,000	6.00/M	EMK105BJ104KV-F
			.22µF	±10%	0.5	587-1452-1-ND	.99	5.85	16.88	587-1452-2-ND	10,000	16.00/M	EMK105BJ224KV-F
			.10µF			587-1227-1-ND	.33	1.95	5.63	587-1227-2-ND	10,000	5.00/M	LMK105BJ104KV-F
			.22µF			587-1228-1-ND	.79	4.68	13.50	587-1228-2-ND	10,000	13.00/M	LMK105BJ224KV-F
		10	.47µF	±10%	0.5	587-1455-1-ND	1.05	6.18	17.81	587-1455-2-ND	10,000	17.00/M	LMK105BJ474KV-F
	X5R		1.0µF			587-1454-1-ND	2.15	12.68	36.56	587-1454-2-ND	10,000	35.00/M	LMK105BJ105KV-F
			.22µF	±10%	0.5	587-1229-1-ND	.77	4.55	13.13	587-1229-2-ND	10,000	13.00/M	JMK105BJ224KV-F
			.47µF	±10%	0.5	587-1230-1-ND	1.10	6.50	18.75	587-1230-2-ND	10,000	18.00/M	JMK105BJ474KV-F
		6.3	1.0µF	±10%	0.5	587-1231-1-ND	1.21	7.15	20.63	587-1231-2-ND	10,000	20.00/M	JMK105BJ105KV-F
			2.2µF	±20%	0.5	587-1453-1-ND	5.50	32.50	93.75	587-1453-2-ND	10,000	90.00/M	JMK105BJ225MV-F
		4.0	2.2µF	±20%	0.5	587-1232-1-ND	5.50	32.50	93.75	587-1232-2-ND	10,000	90.00/M	AMK105BJ225MV-F
		50	10000pF	±80% / -20%	0.5	587-1233-1-ND	.33	1.95	5.63	587-1233-2-ND	10,000	5.00/M	UMK105F103ZV-F
		25	22000pF	±80% / -20%	0.5	587-1234-1-ND	.32	1.89	5.44	587-1234-2-ND	10,000	5.00/M	TMK105F223ZV-F
	Y5V	16	.10µF	±80% / -20%	0.5	587-1235-1-ND	.26	1.56	4.50	587-1235-2-ND	10,000	4.00/M	EMK105F104ZV-F
		6.3	1.0µF	±80% / -20%	0.5	587-1236-1-ND	.77	4.55	13.13	587-1236-2-ND	10,000	13.00/M	JMK105F105ZV-F
0508	X5R	6.3	4.7µF	±10%	0.85	587-1237-1-ND	5.50	32.50	93.75	587-1237-2-ND	4,000	90.00/M	JWK212BJ475KD-T

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ize ode	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Taiyo Yuden Part No.
			1000pF	±10%	0.8	587-1445-1-ND	3.73	22.04	63.56	587-1445-2-ND	4,000	61.00/M	HMK107JB102KA-T
			2200pF	±10%	0.8	587-1447-1-ND	3.73	22.04	63.56	587-1447-2-ND	4,000	61.00/M	HMK107BJ222KA-T
		100	4700pF	±10%	0.8	587-1449-1-ND	3.73	22.04	63.56	587-1449-2-ND	4,000	61.00/M	HMK107BJ472KA-T
			10000pF	±10%	0.8	587-1446-1-ND	3.87	22.88	66.00	587-1446-2-ND	4,000	63.00/M	HMK107BJ103KA-T
			22000pF	±10%	0.8	587-1448-1-ND	3.87	22.88	66.00	587-1448-2-ND	4,000	63.00/M	HMK107BJ223KA-T
	X7R	25	22000pF	±10%	0.8	587-1238-1-ND	.48	2.86	8.25	587-1238-2-ND	4,000	8.00/M	TMK107BJ223KA-T
			47000pF	±10%	0.8	587-1239-1-ND	.55	3.25	9.38	587-1239-2-ND	4,000	9.00/M	EMK107BJ473KA-T
		16	.10µF	±10%	0.8	587-1240-1-ND	.26	1.63	4.69	587-1240-2-ND	4,000	5.00/M	EMK107BJ104KA-T
			1.0µF	±10%	0.8	587-1241-1-ND	.88	5.20	15.00	587-1241-2-ND	4,000	14.00/M	EMK107BJ105KA-TR
		10	1.0µF	±10%	0.8	587-1242-1-ND	.99	5.85	16.88	587-1242-2-ND	4,000	16.00/M	LMK107BJ105KA-T
		50	.10µF	±10%	0.8	587-1243-1-ND	.66	3.90	11.25	587-1243-2-ND	4,000	11.00/M	UMK107BJ104KA-T
		35	47000pF	±10%	0.8	587-1244-1-ND	4.95	29.25	84.38	587-1244-2-ND	4,000	81.00/M	GMK107BJ473KA-T
			1.0µF			587-1437-1-ND	2.00	11.83	34.13	587-1437-2-ND	4,000	33.00/M	GMK107BJ105KA-T
			.10µF			587-1245-1-ND	.33	1.95	5.63	587-1245-2-ND	4,000	5.00/M	TMK107BJ104KA-T
		25	.22µF	±10%	0.8	587-1246-1-ND	.83	4.88	14.06	587-1246-2-ND	4,000	14.00/M	TMK107BJ224KA-T
			.47µF			587-1247-1-ND	1.21	7.15	20.63	587-1247-2-ND	4,000	20.00/M	TMK107BJ474KA-T
			1.0µF			587-1248-1-ND	1.54	9.10	26.25	587-1248-2-ND	4,000	25.00/M	TMK107BJ105KA-T
603			.22µF			587-1249-1-ND	.66	3.90	11.25	587-1249-2-ND	4,000	11.00/M	EMK107BJ224KA-T
	X5R		.47µF			587-1250-1-ND	.77	4.55	13.13	587-1250-2-ND	4,000	13.00/M	EMK107BJ474KA-T
		16	1.0µF	±10%	0.8	587-1251-1-ND	.88	5.20	15.00	587-1251-2-ND	4,000	14.00/M	EMK107BJ105KA-T
			2.2µF			587-1430-1-ND	2.53	14.95	43.13	587-1430-2-ND	4,000	41.00/M	EMK107BJ225KA-T
			.47µF			587-1252-1-ND	.77	4.55	13.13	587-1252-2-ND	4,000	13.00/M	LMK107BJ474KA-T
		10	4.7µF	±10%	0.8	587-1441-1-ND	3.96	23.40	67.50	587-1441-2-ND	4,000	65.00/M	LMK107BJ475KA-T
			2.2µF			587-1253-1-ND	1.98	11.70	33.75	587-1253-2-ND	4,000	32.00/M	LMK107BJ225KA-T
			2.2µF	±10%	0.8	587-1254-1-ND	1.65	9.75	28.13	587-1254-2-ND	4,000	27.00/M	JMK107BJ225KA-T
		6.3	4.7µF	±20%	0.8	587-1255-1-ND	2.42	14.30	41.25	587-1255-2-ND	4,000	40.00/M	JMK107BJ475MA-T
			10µF	±20%	0.8	587-1256-1-ND	13.20	78.00	225.00	587-1256-2-ND	4,000	216.00/M	JMK107BJ106MA-T
	X5S	50	1.0µF	±10%	0.8	587-1257-1-ND	1.54	9.10	26.25	587-1257-2-ND	4,000	25.00/M	UMK107C105KA-T
		50	.10µF	±80% / -20%	0.8	587-1258-1-ND	.50	2.93	8.44	587-1258-2-ND	4,000	8.00/M	UMK107F104ZA-T
		25	.47µF	±80% / -20%	0.8	587-1259-1-ND	.46	2.73	7.88	587-1259-2-ND	4,000	8.00/M	TMK107F474ZA-T
			.22µF			587-1260-1-ND	.44	2.60	7.50	587-1260-2-ND	4,000	7.00/M	EMK107F224ZA-T
	Y5V	16	.47µF	±80% / -20%	0.8	587-1261-1-ND	.50	2.93	8.44	587-1261-2-ND	4,000	8.00/M	EMK107F474ZA-T
			1.0µF			587-1262-1-ND	.44	2.60	7.50	587-1262-2-ND	4,000	7.00/M	EMK107F105ZA-T
			2.2µF			587-1263-1-ND	.99	5.85	16.88	587-1263-2-ND	4,000	16.00/M	EMK107F225ZA-T
		10	1.0µF	±80% / -20%	0.8	587-1264-1-ND	.66	3.90	11.25	587-1264-2-ND	4,000	11.00/M	LMK107F105ZA-T
			2.2µF			587-1265-1-ND	.99	5.85	16.88	587-1265-2-ND	4,000	16.00/M	LMK107F225ZA-T
812	X7R	10	2.2µF	±10%	0.85	587-1266-1-ND	6.38	37.70	108.75	587-1266-2-ND	4,000	104.00/M	LWK316BJ225KD-T
	X5R	6.3	10µF	±10%	0.85	587-1267-1-ND	11.00	65.00	187.50	587-1267-2-ND	4,000	180.00/M	JWK316BJ106KD-T
			1000pF		0.85	587-1268-1-ND	4.07	24.05	69.38	587-1268-2-ND	4,000	67.00/M	QMK212BJ102KD-T
			2200pF		0.85	587-1269-1-ND	4.07	24.05	69.38	587-1269-2-ND	4,000	67.00/M	QMK212BJ222KD-T
		250	4700pF	±10%	1.25	587-1270-1-ND	4.07	24.05	69.38	587-1270-2-ND	3,000	67.00/M	QMK212BJ472KG-T
			10000pF		1.25	587-1271-1-ND	4.07	24.05	69.38	587-1271-2-ND	3,000	67.00/M	QMK212BJ103KG-T
			22000pF		1.25	587-1272-1-ND	4.07	24.05	69.38	587-1272-2-ND	3,000	67.00/M	QMK212BJ223KG-T
			10000pF			587-1273-1-ND	3.96	23.40	67.50	587-1273-2-ND	3,000	65.00/M	HMK212BJ103KG-T
		100	22000pF	±10%	1.25	587-1274-1-ND	4.29	25.35	73.13	587-1274-2-ND	3,000	70.00/M	HMK212BJ223KG-T
			47000pF			587-1275-1-ND	4.29	25.35	73.13	587-1275-2-ND	3,000	70.00/M	HMK212BJ473KG-T
			.10µF			587-1276-1-ND	4.29	25.35	73.13	587-1276-2-ND	3,000	70.00/M	HMK212BJ104KG-T
			22000pF		0.85	587-1277-1-ND	.94	5.53	15.94	587-1277-2-ND	4,000	15.00/M	UMK212BJ223KD-T
	X7R	50	47000pF	±10%	1.25	587-1278-1-ND	.99	5.85	16.88	587-1278-2-ND	3,000	16.00/M	UMK212BJ473KG-T
			.10µF		1.25	587-1279-1-ND	.89	5.27	15.19	587-1279-2-ND	3,000	15.00/M	UMK212BJ104KG-T
		35	1.0µF	±10%	1.25	587-1438-1-ND	5.39	31.85	91.88	587-1438-2-ND	3,000	88.00/M	GMK212BJ105KG-T
		25	47000pF	±10%	0.85	587-1280-1-ND	.85	5.01	14.44	587-1280-2-ND	4,000	14.00/M	TMK212BJ473KD-T
			1.0µF		1.25	587-1281-1-ND	1.65	9.75	28.13	587-1281-2-ND	3,000	27.00/M	TMK212BJ105KG-TR
		16	1.0µF	±10%	1.25	587-1282-1-ND	1.10	6.50	18.75	587-1282-2-ND	4,000	18.00/M	EMK212BJ474KD-T
			1.0µF		1.25	587-1283-1-ND	1.49	8.78	25.31	587-1283-2-ND	3,000	24.00/M	EMK212BJ105KG-T
			2.2µF	±10%	1.25	587-1431-1-ND	2.75	16.25	46.88	587-1431-2-ND	3,000	45.00/M	EMK212BJ225KG-TR
			1.0µF		0.85	587-1284-1-ND	1.21	7.15	20.63	587-1284-2-ND	4,000	20.00/M	LMK212BJ105KD-T
			1.0µF	±10%	1.25	587-1285-1-ND	1.32	7.80	22.50	587-1285-2-ND	3,000	22.00/M	LMK212BJ105KG-T
		10	2.2µF		1.25	587-1286-1-ND	1.71	10.08	29.06	587-1286-2-ND	3,000	28.00/M	LMK212BJ225KG-T
			4.7µF		1.25	587-1442-1-ND	2.81	16.58	47.81	587-1442-2-ND	3,000	46.00/M	LMK212BJ475KG-TR
		50	.22µF	±10%	1.25	587-1287-1-ND	1.10	6.50	18.75	587-1287-2-ND	3,000	18.00/M	UMK212BJ224KG-T
			.47µF			587-1288-1-ND	3.19	18.85	54.38	587-1288-2-ND	3,000	52.00/M	UMK212BJ474KG-T
		35	.47µF	±10%	1.25	587-1289-1-ND	1.65	9.75	28.13	587-1289-2-ND	3,000	27.00/M	GMK212BJ474KG-T
805			.47µF		0.85	587-1290-1-ND	1.10	6.50	18.75	587-1290-2-ND	4,000	18.00/M	TMK212BJ474KD-T
		25	1.0µF	±10%	1.25	587-1291-1-ND	1.65	9.75	28.13	587-1291-2-ND	3,000	27.00/M	TMK212BJ105KG-T
			2.2µF		1.25	587-1292-1-ND	3.08	18.20	52.50	587-1292-2-ND	3,000	50.00/M	TMK212BJ225KG-T
			2.2µF			587-1293-1-ND	2.15	12.68	36.56	587-1293-2-ND	3,000	35.00/M	EMK212BJ225KG-T
		16	4.7µF	±10%	1.25	587-1294-1-ND	3.63	21.45	61.88	587-1294-2-ND	3,000	59.00/M	EMK212BJ475KG-T
			10µF			587-1295-1-ND	6.60	39.00	112.50	587-1295-2-ND	3,000	108.00/M	EMK212BJ106KG-T
	X5R		2.2µF		0.85	587-1296-1-ND	1.76	10.40	30.00	587-1296-2-ND	4,000	29.00/M	LMK212BJ225KD-T
			4.7µF		0.85	587-1297-1-ND	2.75	16.25	46.88	587-1297-2-ND	4,000	45.00/M	LMK212BJ475KD-T
		10	4.7µF	10%	1.25	587-1298-1-ND	2.42	14.30	41.25	587-1298-2-ND	3,000	40.00/M	LMK212BJ475KG-T
			10µF		0.85	587-1299-1-ND	3.63	21.45	61.88	587-1299-2-ND	4,000	59.00/M	LMK212BJ106KD-T
			10µF		1.25	587-1300-1-ND	3.85	22.75	65.63	587-1300-2-ND	3,000	63.00/M	LMK212BJ106KG-T
			4.7µF	±10%	0.85	587-1301-1-ND	3.08	18.20	52.50	587-1301-2-ND	4,000	50.00/M	JMK212BJ475KD-T
			4.7µF	±10%	1.25	587-1302-1-ND	2.20	13.00	37.50	587-1302-2-ND	3,000	36.00/M	JMK212BJ475KG-T
			10µF	±10%	1.25	587-1303-1-ND	6.05	35.75	103.13	587-1303-2-ND	3,000	99.00/M	JMK212BJ106KG-T
		6.3	10µF	±10%	0.85	587-1304-1-ND	9.30	19.50	56.25	587-1304-2-ND	4,000	54.00/M	JMK212BJ106KD-T
			22µF	±10%	1.25	587-1468-1-ND	14.85	87.75	253.13	587-1468-2-ND	3,000	243.00/M	JMK212BJ226KG-T
			22µF	±20%	1.25	587-1305-1-ND	13.20	78.00	225.00	587-1305-2-ND	3,000	216.00/M	JMK212BJ226MG-T
			22µF		0.85	587-1306-1-ND	.94	5.53	15.94	587-1306-2-ND	4,000	15.00/M	UMK212F224ZD-T
		50	.47µF	±80% / -20%	1.25	587-1307-1-ND	1.32	7.80	22.50	587-1307-2-ND	3,000	22.00/M	UMK212F474ZG-T
			1.0µF		1.25	587-1308-1-ND	.88	5.20	15.00	587-1308-2-ND	3,000	14.00/M	UMK212F105ZG-T
		16	2.2µF	±80% / -20%	1.25	587-1309-1-ND	1.32	7.80	22.50	587-1309-2-ND	3,000	22.00/M	EMK212F225ZG-T
	Y5V		2.2µF		0.85	587-1310-1-ND	1.65	9.75	28.13	587-1310-2-ND	4,000	27.00/M	LMK212F225ZD-T
		10	4.7µF	±80% / -20%	1.25	587-1311-1-ND	1.43	8.45	24.38	587-1311-2-ND	3,000	23.00/M	LMK212F475ZG-T
			10µF		1.25	587-1312-1-ND	2.75	16.25	46.88	587-1312-2-ND	3,000	45.00/M	LMK212F106ZG-T
		6.3	4.7µF	±80% / -20%	0.85	587-1313-1-ND	1.65	9.75	28.13	587-1313-2-ND	4,000	27.00/M	LMK212F475ZD-T
			10µF		1.25	587-1314-1-ND	1.98	11.70	33.75	587-1314-2-ND	3,000	32.00/M	JMK212F106ZG-T
			1000pF			587-1315-1-ND	5.97	35.30	101.81	587-1315-2-ND	3,000	98.00/M	SMK316BJ102KF-T
		630	2200pF	±10%	1.15	587-1316-1-ND	5.97	35.30	101.81	587-1316-2-ND	3,000	98.00/M	SMK316BJ222KF-T
			4700pF			587-1317-1-ND	5.97	35.30	101.81	587-1317-2-ND	3,000	98.00/M	SMK316BJ472KF-T
			10000pF			587-1318-1-ND	5.97	35.30	101.81	587-1318-2-ND	3,000	98.00/M	SMK316BJ103KF-T
		250	47000pF	±10%	1.6	587-1319-1-ND	6.38	37.70	108.75	587-1319-2-ND	2,000	104.00/M	QMK316BJ473KL-T
			.10µF			587-1320-1-ND	6.71	39.65	114.38	587-1320-2-ND	2,000	110.00/M	QMK316BJ104KL-T
706	X7R		47000pF			587-1321-1-ND	6.16	36.40	105.00	587-1321-2-ND	2,000	101.00/M	HMK316BJ473KL-T
		100	.10µF	±10%	1.6	587-1322-1-ND	6.27	37.05	106.88	587-1322-2-ND	2,000	103.00/M	HMK316BJ104KL-T
			.22µF			587-1323-1-ND	7.04	41.60	120.00	587-1323-2-ND	2,000	115.00/M	HMK316BJ224KL-T
			.47µF			587-1450-1-ND	8.25	48.75	140.63	587-1450-2-ND	2,000	135.00/M	HMK316BJ474KL-T
		50	.22µF	±10%	1.6	587-1324-1-ND	3.08	18.20	52.50	587-1324-2-ND	2,000	50.00/M	UMK316BJ224KL-T
			.47µF			587-1325-1-ND	3.08	18.20	52.50	587-1325-2-ND	2,000	50.00/M	UMK316BJ474KL-T
		35	1.0µF	±10%	1.6	587-1326-1-ND	3.52	20.80	60.00	587-1326-2-ND	2,000	58.00/M	GMK316BJ105KL-T

(Continued)

Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Taiyo Yuden Part No.
1206	X7R	25	.22µF	±10%	1.15	587-1327-1-ND	2.20	13.00	37.50	587-1327-2-ND	3,000	36.00/M	TMK316BJ224KF-T
			1.0µF		1.6	587-1328-1-ND	3.44	20.35	58.69	587-1328-2-ND	2,000	56.00/M	TMK316BJ105KL-T
			2.2µF		1.6	587-1329-1-ND	3.60	21.26	61.31	587-1329-2-ND	2,000	59.00/M	TMK316BJ225KL-T
			4.7µF		1.6	587-1443-1-ND	15.95	94.25	271.88	587-1443-2-ND	2,000	261.00/M	TMK316BJ475KL-TR
		16	2.2µF	±10%	1.6	587-1330-1-ND	3.52	20.80	60.00	587-1330-2-ND	2,000	58.00/M	EMK316BJ225KL-T
			4.7µF			587-1331-1-ND	3.63	21.45	61.88	587-1331-2-ND	2,000	59.00/M	EMK316BJ475KL-TR
			10µF			587-1432-1-ND	6.60	39.00	112.50	587-1432-2-ND	2,000	108.00/M	EMK316BJ106KL-TR
		10	4.7µF	±10%	1.6	587-1332-1-ND	3.63	21.45	61.88	587-1332-2-ND	2,000	59.00/M	LMK316BJ475KL-T
			10µF			587-1333-1-ND	4.18	24.70	71.25	587-1333-2-ND	2,000	68.00/M	LMK316BJ106KL-TR
		6.3	22µF	±20%	1.6	587-1334-1-ND	14.30	84.50	243.75	587-1334-2-ND	2,000	234.00/M	JMK316BJ226ML-TR
		630	22000pF	±10%	1.6	587-1335-1-ND	6.71	39.65	114.38	587-1335-2-ND	2,000	110.00/M	SMK316BJ223KL-T
		25	1µF	±10%	0.85	587-1434-1-ND	3.04	17.94	51.75	587-1434-2-ND	4,000	50.00/M	TMK316BJ105KD-T
			4.7µF	±10%	1.6	587-1336-1-ND	5.61	33.15	95.63	587-1336-2-ND	2,000	92.00/M	TMK316BJ475KL-T
			10µF	±10%	1.6	587-1337-1-ND	6.05	35.75	103.13	587-1337-2-ND	2,000	99.00/M	TMK316BJ106KL-T
		16	4.7µF	±10%	1.6	587-1338-1-ND	3.63	21.45	61.88	587-1338-2-ND	2,000	59.00/M	EMK316BJ475KL-T
			10µF	±10%	1.6	587-1339-1-ND	4.85	28.67	82.69	587-1339-2-ND	2,000	79.00/M	EMK316BJ106KL-T
			22µF	±20%	1.6	587-1433-1-ND	28.60	169.00	487.50	587-1433-2-ND	2,000	468.00/M	EMK316BJ226ML-T
	X5R	10	4.7µF	±10%	0.85	587-1340-1-ND	3.41	20.15	58.13	587-1340-2-ND	4,000	56.00/M	LMK316BJ475KD-T
			10µF	±10%	0.85	587-1341-1-ND	4.40	26.00	75.00	587-1341-2-ND	4,000	72.00/M	LMK316BJ106KD-T
			10µF	±10%	1.6	587-1342-1-ND	3.85	22.75	65.63	587-1342-2-ND	2,000	63.00/M	LMK316BJ106KL-T
			22µF	±20%	1.6	587-1343-1-ND	13.20	78.00	225.00	587-1343-2-ND	2,000	216.00/M	LMK316BJ226ML-T
		6.3	10µF	±10%	1.15	587-1344-1-ND	4.00	23.66	68.25	587-1344-2-ND	3,000	66.00/M	JMK316BJ106KF-T
			10µF		0.85	587-1345-1-ND	4.51	26.65	76.88	587-1345-2-ND	4,000	74.00/M	JMK316BJ106KD-T
			10µF		1.6	587-1346-1-ND	4.40	26.00	75.00	587-1346-2-ND	2,000	72.00/M	JMK316BJ106KL-T
			22µF	±10%	1.6	587-1347-1-ND	14.30	84.50	243.75	587-1347-2-ND	2,000	234.00/M	JMK316BJ226KL-T
			22µF	±20%	1.6	587-1347-1-ND	14.30	84.50	243.75	587-1347-2-ND	2,000	234.00/M	JMK316BJ226ML-T
			47µF	±20%	1.6	587-1348-1-ND	27.50	162.50	468.75	587-1348-2-ND	2,000	450.00/M	JMK316BJ476ML-T
		4.0	100µF	±20%	1.6	587-1349-1-ND	60.50	357.50	—	587-1349-2-ND	2,000	990.00/M	AMK316BJ107ML-T
	X5S	25	10µF	±10%	1.6	587-1350-1-ND	7.59	44.85	129.38	587-1350-2-ND	2,000	124.00/M	TMK316C106KL-T
	Y5V	50	2.2µF	±80% / -20%	1.25	587-1351-1-ND	3.30	19.50	56.25	587-1351-2-ND	3,000	54.00/M	UMK316F225ZG-T
		35	10µF	±80% / -20%	1.6	587-1352-1-ND	3.52	20.80	60.00	587-1352-2-ND	2,000	58.00/M	GMK316F106ZL-T
		25	10µF	±80% / -20%	1.6	587-1353-1-ND	2.53	14.95	43.13	587-1353-2-ND	2,000	41.00/M	TMK316F106ZL-T
		16	10µF	±80% / -20%	1.6	587-1354-1-ND	2.53	14.95	43.13	587-1354-2-ND	2,000	41.00/M	EMK316F106ZL-T
		10	10µF	±80% / -20%	1.15	587-1355-1-ND	2.42	14.30	41.25	587-1355-2-ND	3,000	40.00/M	LMK316F106ZF-T
			22µF		1.6	587-1356-1-ND	7.15	42.25	121.88	587-1356-2-ND	2,000	117.00/M	LMK316F226ZL-T
		6.3	10µF	±80% / -20%	0.85	587-1357-1-ND	2.53	14.95	43.13	587-1357-2-ND	4,000	41.00/M	JMK316F106ZD-T
1210	X7R	630	22000pF	±10%	1.9	587-1358-2-ND	10.12	59.80	172.50	587-1358-2-ND	2,000	166.00/M	SMK325BJ223KN-T
		250	47000pF	±10%	1.9	587-1359-1-ND	9.90	58.50	168.75	587-1359-2-ND	2,000	162.00/M	QMK325BJ473KN-T
			.10µF		1.9	587-1360-1-ND	10.67	63.05	181.88	587-1360-2-ND	2,000	175.00/M	QMK325BJ104KN-T
			.22µF		1.9	587-1361-1-ND	11.33	66.95	193.13	587-1361-2-ND	2,000	185.00/M	QMK325BJ224KN-T
		100	.10µF	±10%	1.15	587-1362-1-ND	9.57	56.55	163.13	587-1362-2-ND	2,000	157.00/M	HMK325BJ104KF-T
			.22µF		1.9	587-1363-1-ND	12.10	71.50	206.25	587-1363-2-ND	2,000	198.00/M	HMK325BJ224KN-T
			.47µF		1.9	587-1364-1-ND	12.10	71.50	206.25	587-1364-2-ND	2,000	198.00/M	HMK325BJ474KN-T
			1.0µF		1.9	587-1365-1-ND	12.65	74.75	215.63	587-1365-2-ND	2,000	207.00/M	HMK325BJ105KN-T
		50	1.0µF	±10%	1.5	587-1366-1-ND	5.50	32.50	93.75	587-1366-2-ND	2,000	90.00/M	UMK325BJ105KH-T
		25	1.0µF	±10%	0.85	587-1367-1-ND	4.29	25.35	73.13	587-1367-2-ND	2,000	70.00/M	TMK325BJ105KD-T
			2.2µF	±10%	1.5	587-1368-1-ND	5.28	31.20	90.00	587-1368-2-ND	2,000	86.00/M	TMK325BJ225KH-T
			10µF	±20%	2.5	587-1369-1-ND	16.50	97.50	—	587-1369-2-ND	500	135.00	TMK325BJ106MM-TR
		16	22µF	±20%	2.5	587-1435-1-ND	19.80	117.00	—	587-1435-2-ND	500	162.00	EMK325BJ226MM-TR
			4.7µF	±10%	1.9	587-1392-1-ND	6.82	40.30	116.25	587-1392-2-ND	2,000	112.00/M	EMK325BJ475KN-T
		10	10µF	±10%	1.9	587-1370-1-ND	9.90	58.50	168.75	587-1370-2-ND	2,000	162.00/M	LMK325BJ106KN-T
			10µF	±20%	1.9	587-1469-1-ND	9.90	58.50	168.75	587-1469-2-ND	2,000	162.00/M	LMK325BJ106MN-T
	X5R	630	47000pF	±10%	1.9	587-1371-1-ND	10.12	59.80	172.50	587-1371-2-ND	2,000	166.00/M	SMK325BJ473KN-T
		35	2.2µF	±10%	1.9	587-1372-1-ND	6.05	35.75	103.13	587-1372-2-ND	2,000	99.00/M	GMK325BJ225KN-T
			10µF	±10%	1.9	587-1439-1-ND	6.05	91.65	264.38	587-1439-2-ND	2,000	254.00/M	GMK325BJ106KN-T
		25	4.7µF	±10%	1.9	587-1373-1-ND	6.60	39.00	112.50	587-1373-2-ND	2,000	108.00/M	TMK325BJ475KN-T
			10µF	±10%	0.85	587-1444-1-ND	13.75	81.25	234.38	587-1444-2-ND	2,000	225.00/M	TMK325BJ106KD-T
			10µF	±20%	2.5	587-1374-1-ND	16.50	97.50	—	587-1374-2-ND	500	135.00	TMK325BJ106MM-T
			10µF	±20%	1.9	587-1375-1-ND	9.90	58.50	168.75	587-1375-2-ND	2,000	162.00/M	TMK325BJ106MN-T
			10µF	±10%	1.9	587-1376-1-ND	9.90	58.50	168.75	587-1376-2-ND	2,000	162.00/M	EMK325BJ106KN-T
		16	10µF	±10%	0.85	587-1377-1-ND	8.80	52.00	150.00	587-1377-2-ND	2,000	144.00/M	EMK325BJ106KD-T
			10µF	±20%	1.9	587-1470-1-ND	9.90	58.50	168.75	587-1470-2-ND	2,000	162.00/M	EMK325BJ106MN-T
			22µF	±20%	2.5	587-1378-1-ND	19.80	117.00	—	587-1378-2-ND	500	162.00	EMK325BJ226MM-T
			47µF	±20%	2.5	587-1436-1-ND	39.60	234.00	—	587-1466-2-ND	500	324.00	EMK325BJ476MM-T
		10	4.7µF	±10%	0.85	587-1379-1-ND	6.60	39.00	112.50	587-1379-2-ND	2,000	108.00/M	LMK325BJ475KD-T
			10µF	±20%	0.85	587-1380-1-ND	7.70	45.50	131.25	587-1380-2-ND	2,000	126.00/M	LMK325BJ106MD-T
			22µF	±20%	2.5	587-1381-1-ND	17.60	104.00	—	587-1381-2-ND	500	144.00	LMK325BJ226MM-T
			22µF	±20%	2.0 Max	587-1382-1-ND	19.80	117.00	337.50	587-1382-2-ND	2,000	324.00/M	LMK325BJ226MY-T
			47µF	±20%	2.5	587-1383-1-ND	34.10	201.50	—	587-1383-2-ND	500	279.00	LMK325BJ476MM-T
		6.3	22µF	±10%	2.5	587-1471-1-ND	18.70	110.50	—	587-1471-2-ND	500	153.00	JMK325BJ226KM-T
			22µF	±20%	2.5	587-1384-1-ND	18.70	110.50	—	587-1384-2-ND	500	153.00	JMK325BJ226MM-T
			22µF	±20%	2.0 Max	587-1385-1-ND	13.20	78.00	225.00	587-1385-2-ND	2,000	216.00/M	JMK325BJ226MY-T
			47µF	±20%	1.9	587-1440-1-ND	38.50	227.50	656.25	587-1440-2-ND	2,000	630.00/M	JMK325BJ476MN-T
			47µF	±20%	2.5	587-1386-1-ND	38.50	227.50	—	587-1386-2-ND	500	315.00	JMK325BJ476MM-T
			100µF	±20%	2.5	587-1387-1-ND	66.00	390.00	—	587-1387-2-ND	500	540.00	JMK325BJ107MM-T
			100µF	±20%	2.0 Max	587-1388-1-ND	55.00	325.00	—	587-1388-2-ND	2,000	900.00/M	JMK325BJ107MY-T
	Y5V	50	4.7µF	±80% / -20%	1.5	587-1389-1-ND	6.60	39.00	112.50	587-1389-2-ND	2,000	108.00/M	UMK325F475ZH-T
		35	10µF	±80% / -20%	1.5	587-1391-1-ND	7.15	42.25	121.88	587-1391-2-ND	2,000	117.00/M	GMK325F106ZH-T
		25	10µF	±80% / -20%	1.5	587-1393-1-ND	5.28	31.20	90.00	587-1393-2-ND	2,000	86.00/M	TMK325F106ZH-T
		16	22µF	±80% / -20%	1.9	587-1390-1-ND	6.60	39.00	112.50	587-1390-2-ND	2,000	108.00/M	EMK325F226ZN-T
		10	10µF	±80% / -20%	1.15	587-1394-1-ND	10.45	61.75	178.13	587-1394-2-ND	2,000	171.00/M	LMK325F106ZF-T
			22µF		1.9	587-1395-1-ND	8.25	48.75	140.63	587-1395-2-ND	2,000	135.00/M	LMK325F226ZN-T
		6.3	47µF	±80% / -20%	1.9	587-1396-1-ND	16.50	97.50	281.25	587-1396-2-ND	2,000	270.00/M	JMK325F476ZN-T
			100µF		2.5	587-1437-1-ND	39.60	234.00	—	587-1437-2-ND	500	324.00	JMK325F107ZM-T
1812	X7R	630	47000pF	±10%	2.5	587-1398-1-ND	20.30	119.93	—	587-1398-2-ND	500	166.00	SMK432BJ473KM-T
		250	.10µF	±10%	2.5	587-1399-1-ND	23.65	139.75	—	587-1399-2-ND	500	193.50	QMK432BJ104KM-T
			.22µF			587-1400-1-ND	23.65	139.75	—	587-1400-2-ND	500	193.50	QMK432BJ224KM-T
			.47µF			587-1401-1-ND	25.30	149.50	—	587-1401-2-ND	500	207.00	QMK432BJ474KM-T
		100	.47µF	±10%	2.5	587-1402-1-ND	21.34	126.10	—	587-1402-2-ND	500	174.50	HMK432BJ474KM-T
			1.0µF			587-1403-1-ND	22.55	133.25	—	587-1403-2-ND	500	166.00	HMK432BJ105KM-T
			2.2µF			587-1404-1-ND	23.98	141.70	—	587-1404-2-ND	500	196.00	HMK432BJ225KM-T
		630	.10µF	±10%	2.5	587-1405-1-ND	22.55	133.25	—	587-1405-2-ND	500	184.50	SMK432BJ104KM-T
	X5R	25	10µF	±20%	2.5	587-1406-1-ND	26.40	156.00	—	587-1406-2-ND	500	216.00	TMK432BJ106MM-T
		16	22µF	±20%	2.5	587-1407-1-ND	22.00	130.00	—	587-1407-2-ND	500	180.00	EMK432BJ226MM-T
			22µF	±10%	2.5	587-1472-1-ND	22.00	130.00	—	587-1472-2-ND	500	180.00	EMK432BJ226KM-T
		10	22µF	±20%	2.5	587-1408-1-ND	20.90	123.50	—	587-1408-2-ND	500	171.00	LMK432BJ226MM-T
		6.3	47µF	±20%	2.5	587-1409-1-ND	88.00	520.00	—	587-1409-2-ND	500	720.00	JMK432BJ476MM-T
			100µF		3.2	587-1410-1-ND	112.20	663.00	—	587-1410-2-ND	500	918.00	JMK432BJ107MU-T
	X5S	50	10µF	±20%	2.5	587-1411-1-ND	19.80	117.00	—	587-1411-2-ND	500	162.00	UMK432C106MM-T
		25	22µF	±20%	2.5	587-1412-1-ND	40.15	237.25	—	587-1412-2-ND	500	328.50	TMK432C226MM-T
			47µF			587-1413-1-ND	63.80	377.00	—	587-1413-2-ND	500	522.00	TMK432C476MM-T
	Y5V	10	47µF	±80% / -20%	2.5	587-1414-1-ND	33.00	195.00	—	587-1414-2-ND	500	270.00	LMK432F476ZM-T
		6.3	100µF	±80% / -20%	2.5	587-1415-1-ND	55.00	325.00	—	587-1415-2-ND	500	450.00	JMK432F107ZM-T

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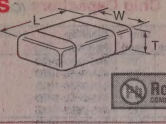
TDK Multilayer Ceramic Chip Capacitors

EIA Code	EIAJ Code	Dim. (mm) L	W	EIA Code	EIAJ Code	Dim. (mm) L	W
0201	0603	0.6	0.3	0805	2012	2.0	1.25
0306	0816	0.8	1.6	1206	3216	3.2	1.6
0402	1005	1.0	0.5	1210	3225	3.2	2.5
0508	1220	1.25	2.0	1808	4520	4.5	2.0
0603	1608	1.6	0.8	1812	4532	4.5	3.2
0612	1632	1.6	3.2				



RoHS COMPLIANT

es: • High capacitance has been achieved through precision technologies that enable the use of multiple thinner c dielectric layers • Monolithic structure ensures superior mechanical strength and reliability • High-accuracy tic mounting is facilitated through the maintenance of very precise dimensional tolerances • Composed of only cs and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation hen subjected to temperature extremes **Applications:** • Cellular phones • Portable/Handheld devices (PDA's, ayers, etc) • RF Module (VCO, TCXO, PA, etc) **Operating Temperature:** • C0G: -55°C ~ 125°C • X7R: -55°C ~ • X5R: -55°C ~ 85°C • Y5V: -30°C ~ 85°C • X8R: -55°C ~ 150°C • SL: 20°C ~ 85°C

e	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	TDK Part No.
		50	0.5pF	±0.1pF	0.3	445-2908-1-ND **NEW!**	.77	4.55	13.13	445-2908-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H0R5B
		50	0.5pF	±0.25pF	0.3	445-2918-1-ND **NEW!**	.51	2.99	8.63	445-2918-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H0R5C
		50	1.0pF	±0.1pF	0.3	445-2909-1-ND **NEW!**	.77	4.55	13.13	445-2909-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H010B
		50	1.0pF	±0.25pF	0.3	445-1760-1-ND	.51	2.99	8.63	445-1760-2-ND	15,000	8.28/M	C0603C0G1H010C
		50	1.2pF	±0.25pF	0.3	445-2919-1-ND **NEW!**	.51	2.99	8.63	445-2919-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H1R2C
		50	1.5pF	±0.1pF	0.3	445-2910-1-ND **NEW!**	.77	4.55	13.13	445-2910-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H1R5B
		50	1.5pF	±0.25pF	0.3	445-1770-1-ND	.51	2.99	8.63	445-1770-2-ND	15,000	8.28/M	C0603C0G1H1R5C
		50	1.8pF	±0.25pF	0.3	445-2920-1-ND **NEW!**	.51	2.99	8.63	445-2920-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H1R8C
		50	2.0pF	±0.1pF	0.3	445-2911-1-ND **NEW!**	.77	4.55	13.13	445-2911-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H020B
		50	2.0pF	±0.25pF	0.3	445-1761-1-ND	.51	2.99	8.63	445-1761-2-ND	15,000	8.28/M	C0603C0G1H020C
		50	2.2pF	±0.1pF	0.3	445-2912-1-ND **NEW!**	.77	4.55	13.13	445-2912-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H2R2B
		50	2.2pF	±0.25pF	0.3	445-1771-1-ND	.51	2.99	8.63	445-1771-2-ND	15,000	8.28/M	C0603C0G1H2R2C
		50	2.7pF	±0.25pF	0.3	445-2921-1-ND **NEW!**	.51	2.99	8.63	445-2921-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H2R7C
		50	3.0pF	±0.1pF	0.3	445-2913-1-ND **NEW!**	.77	4.55	13.13	445-2913-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H030B
		50	3.0pF	±0.25pF	0.3	445-1762-1-ND	.51	2.99	8.63	445-1762-2-ND	15,000	8.28/M	C0603C0G1H030C
		50	3.3pF	±0.1pF	0.3	445-2914-1-ND **NEW!**	.77	4.55	13.13	445-2914-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H3R3B
		50	3.3pF	±0.25pF	0.3	445-1772-1-ND	.51	2.99	8.63	445-1772-2-ND	15,000	8.28/M	C0603C0G1H3R3C
		50	3.9pF	±0.25pF	0.3	445-2922-1-ND **NEW!**	.51	2.99	8.63	445-2922-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H3R9C
		50	4.0pF	±0.1pF	0.3	445-2915-1-ND **NEW!**	.77	4.55	13.13	445-2915-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H040B
		50	4.0pF	±0.25pF	0.3	445-1763-1-ND	.51	2.99	8.63	445-1763-2-ND	15,000	8.28/M	C0603C0G1H040C
		50	4.7pF	±0.1pF	0.3	445-2916-1-ND **NEW!**	.77	4.55	13.13	445-2916-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H4R7B
		50	4.7pF	±0.25pF	0.3	445-1773-1-ND	.51	2.99	8.63	445-1773-2-ND	15,000	8.28/M	C0603C0G1H4R7C
		50	5.0pF	±0.1pF	0.3	445-2917-1-ND **NEW!**	.77	4.55	13.13	445-2917-2-ND **NEW!**	15,000	13.00/M	C0603C0G1H050B
		50	5.0pF	±0.25pF	0.3	445-1764-1-ND	.51	2.99	8.63	445-1764-2-ND	15,000	8.28/M	C0603C0G1H050C
		50	5.6pF	±0.25pF	0.3	445-2923-1-ND **NEW!**	.51	2.99	8.63	445-2923-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H5R6C
		50	6.0pF	±0.25pF	0.3	445-2924-1-ND **NEW!**	.51	2.99	8.63	445-2924-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H060C
		50	6.0pF	±0.5pF	0.3	445-1765-1-ND	.51	2.99	8.63	445-1765-2-ND	15,000	8.28/M	C0603C0G1H060D
		50	6.8pF	±0.25pF	0.3	445-2925-1-ND **NEW!**	.51	2.99	8.63	445-2925-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H6R8C
		50	6.8pF	±0.5pF	0.3	445-1774-1-ND	.51	2.99	8.63	445-1774-2-ND	15,000	8.28/M	C0603C0G1H6R8D
	C0G	50	7.0pF	±0.25pF	0.3	445-2926-1-ND **NEW!**	.51	2.99	8.63	445-2926-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H070C
	(NP0)	50	7.0pF	±0.5pF	0.3	445-1766-1-ND	.51	2.99	8.63	445-1766-2-ND	15,000	8.28/M	C0603C0G1H070D
		50	8.0pF	±0.25pF	0.3	445-2927-1-ND **NEW!**	.51	2.99	8.63	445-2927-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H080C
		50	8.0pF	±0.5pF	0.3	445-1767-1-ND	.51	2.99	8.63	445-1767-2-ND	15,000	8.28/M	C0603C0G1H080D
		50	8.2pF	±0.25pF	0.3	445-2928-1-ND **NEW!**	.51	2.99	8.63	445-2928-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H8R2C
1		50	9.0pF	±0.25pF	0.3	445-2929-1-ND **NEW!**	.51	2.99	8.63	445-2929-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H090C
		50	9.0pF	±0.5pF	0.3	445-1768-1-ND	.51	2.99	8.63	445-1768-2-ND	15,000	8.28/M	C0603C0G1H090D
		50	10pF	±0.25pF	0.3	445-2930-1-ND **NEW!**	.51	2.99	8.63	445-2930-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H100C
		50	10pF	±0.5pF	0.3	445-1769-1-ND	.51	2.99	8.63	445-1769-2-ND	15,000	8.28/M	C0603C0G1H100D
		50	11pF	±5%	0.3	445-2931-1-ND **NEW!**	.51	2.99	8.63	445-2931-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H110J
		50	12pF	±5%	0.3	445-1775-1-ND	.51	2.99	8.63	445-1775-2-ND	15,000	8.28/M	C0603C0G1H120J
		50	13pF	±5%	0.3	445-2932-1-ND **NEW!**	.51	2.99	8.63	445-2932-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H130J
		50	15pF	±5%	0.3	445-1776-1-ND	.51	2.99	8.63	445-1776-2-ND	15,000	8.28/M	C0603C0G1H150J
		50	16pF	±5%	0.3	445-2933-1-ND **NEW!**	.51	2.99	8.63	445-2933-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H160J
		50	18pF	±5%	0.3	445-1777-1-ND	.51	2.99	8.63	445-1777-2-ND	15,000	8.28/M	C0603C0G1H180J
		50	20pF	±5%	0.3	445-2934-1-ND **NEW!**	.51	2.99	8.63	445-2934-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H200J
		50	22pF	±5%	0.3	445-1778-1-ND	.51	2.99	8.63	445-1778-2-ND	15,000	8.28/M	C0603C0G1H220J
		50	24pF	±5%	0.3	445-2935-1-ND **NEW!**	.51	2.99	8.63	445-2935-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H240J
		50	27pF	±5%	0.3	445-1779-1-ND	.51	2.99	8.63	445-1779-2-ND	15,000	8.28/M	C0603C0G1H270J
		50	30pF	±5%	0.3	445-2936-1-ND **NEW!**	.51	2.99	8.63	445-2936-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H300J
		50	33pF	±5%	0.3	445-1780-1-ND	.51	2.99	8.63	445-1780-2-ND	15,000	8.28/M	C0603C0G1H330J
		50	36pF	±5%	0.3	445-2937-1-ND **NEW!**	.51	2.99	8.63	445-2937-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H360J
		50	39pF	±5%	0.3	445-1781-1-ND	.51	2.99	8.63	445-1781-2-ND	15,000	8.28/M	C0603C0G1H390J
		50	43pF	±5%	0.3	445-2938-1-ND **NEW!**	.51	2.99	8.63	445-2938-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H430J
		50	47pF	±5%	0.3	445-1782-1-ND	.51	2.99	8.63	445-1782-2-ND	15,000	8.28/M	C0603C0G1H470J
		50	51pF	±5%	0.3	445-2939-1-ND **NEW!**	.51	2.99	8.63	445-2939-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H510J
		50	56pF	±5%	0.3	445-1783-1-ND	.51	2.99	8.63	445-1783-2-ND	15,000	8.28/M	C0603C0G1H560J
		50	62pF	±5%	0.3	445-2940-1-ND **NEW!**	.51	2.99	8.63	445-2940-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H620J
		50	68pF	±5%	0.3	445-1784-1-ND	.51	2.99	8.63	445-1784-2-ND	15,000	8.28/M	C0603C0G1H680J
		50	75pF	±5%	0.3	445-2941-1-ND **NEW!**	.51	2.99	8.63	445-2941-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H750J
		50	82pF	±5%	0.3	445-1785-1-ND	.51	2.99	8.63	445-1785-2-ND	15,000	8.28/M	C0603C0G1H820J
		50	91pF	±5%	0.3	445-2942-1-ND **NEW!**	.51	2.99	8.63	445-2942-2-ND **NEW!**	15,000	8.00/M	C0603C0G1H910J
		50	100pF	±5%	0.3	445-1786-1-ND	.51	2.99	8.63	445-1786-2-ND	15,000	8.28/M	C0603C0G1H101J
		50	100pF	±10%	0.3	445-1787-1-ND	.49	2.90	8.36	445-1787-2-ND	15,000	8.03/M	C0603X5R1H101K
		50	220pF	±10%	0.3	445-1788-1-ND	.49	2.90	8.36	445-1788-2-ND	15,000	8.03/M	C0603X5R1H221K
		50	470pF	±10%	0.3	445-1789-1-ND	.49	2.90	8.36	445-1789-2-ND	15,000	8.03/M	C0603X5R1H471K
		25	1000pF	±10%	0.3	445-1790-1-ND	.51	3.03	8.74	445-1790-2-ND	15,000	8.39/M	C0603X5R1E102K
		25	2200pF	±10%	0.3	445-1791-1-ND	.49	2.90	8.36	445-1791-2-ND	15,000	8.03/M	C0603X5R1E222K
	X5R	16	4700pF	±10%	0.3	445-1792-1-ND	.49	2.90	8.36	445-1792-2-ND	15,000	8.03/M	C0603X5R1C472K
		10	10000pF	±10%	0.3	445-1793-1-ND	.49	2.90	8.36	445-1793-2-ND	15,000	8.03/M	C0603X5R1A103K
		6.3	22000pF	±10%	0.3	445-1794-1-ND	.61	3.59	10.37	445-1794-2-ND	15,000	9.96/M	C0603X5R0J223K
		6.3	47000pF	±10%	0.3	445-1795-1-ND	.58	3.45	9.94	445-1795-2-ND	15,000	9.54/M	C0603X5R0J473K
		6.3	0.1µF	±10%	0.3	445-1796-1-ND	.72	4.23	12.19	445-1796-2-ND	15,000	11.70/M	C0603X5R0J104K
	Y5V	16	10000pF	+80/-20%	0.3	445-1797-1-ND	.49	2.90	8.36	445-1797-2-ND	15,000	8.03/M	C0603Y5V1C103Z
		16	10000pF	±10%	0.5	445-1798-1-ND	2.93	17.34	50.03	445-1798-2-ND	4,000	48.03/M	C0816X7R1C103K
	X7R	16	22000pF	±10%	0.5	445-1799-1-ND	3.17	18.73	54.02	445-1799-2-ND	4,000	51.86/M	C0816X7R1C223K
06		16	47000pF	±10%	0.5	445-1800-1-ND	3.52	20.81	60.02	445-1800-2-ND	4,000	57.62/M	C0816X7R1C473K
		16	0.1µF	±10%	0.5	445-1801-1-ND	3.76	22.19	64.01	445-1801-2-ND	4,000	61.46/M	C0816X7R1C104K
	X5R	10	0.22µF	±10%	0.5	445-1802-1-ND	3.99	23.58	68.03	445-1802-2-ND	4,000	65.31/M	C0816X5R1A224K
		50	10pF	±0.5pF	0.5	445-1235-1-ND	.53	3.15	9.09	445-1235-2-ND	10,000	8.73/M	C1005C0G1H100D
		50	12pF	±5%	0.5	445-1236-1-ND	.55	3.28	9.45	445-1236-2-ND	10,000	9.08/M	C1005C0G1H120J
		50	15pF	±5%	0.5	445-1237-1-ND	.57	3.38	9.75	445-1237-2-ND	10,000	9.36/M	C1005C0G1H150J
		50	18pF	±5%	0.5	445-1238-1-ND	.55	3.28	9.45	445-1238-2-ND	10,000	9.08/M	C1005C0G1H180J
		50	22pF	±5%	0.5	445-1239-1-ND	.53	3.15	9.09	445-1239-2-ND	10,000	8.73/M	C1005C0G1H220J
		50	27pF	±5%	0.5	445-1240-1-ND	.55	3.28	9.45	445-1240-2-ND	10,000	9.08/M	C1005C0G1H270J
		50	33pF	±5%	0.5	445-1241-1-ND	.55	3.28	9.45	445-1241-2-ND	10,000	9.08/M	C1005C0G1H330J
		50	39pF	±5%	0.5	445-1242-1-ND	.55	3.28	9.45	445-1242-2-ND	10,000	9.08/M	C1005C0G1H390J
		50	47pF	±5%	0.5	445-1243-1-ND	.53	3.15	9.09	445-1243-2-ND	10,000	8.73/M	C1005C0G1H470J
		50	56pF	±5%	0.5	445-1244-1-ND	.55	3.28	9.45	445-1244-2-ND	10,000	9.08/M	C1005C0G1H560J
02	C0G	50	68pF	±5%	0.5	445-1245-1-ND	.55	3.28	9.45	445-1245-2-ND	10,000	9.08/M	C1005C0G1H680J
	(NP0)	50	82pF	±5%	0.5	445-1246-1-ND	.55	3.28	9.45	445-1246-2-ND	10,000	9.08/M	C1005C0G1H820J
		50	100pF	±5%	0.5	445-1247-1-ND	.53	3.15	9.09	445-1247-2-ND	10,000	8.73/M	C1005C0G1H101J
		50	120pF	±5%	0.5	445-1248-1-ND	.62	3.66	10.56	445-1248-2-ND	10,000	10.14/M	C1005C0G1H121J
		50	150pF	±5%	0.5	445-1249-1-ND	.62	3.66	10.56	445-1249-2-ND	10,000	10.14/M	C1005C0G1H151J
		50	180pF	±5%	0.5	445-1250-1-ND	.66	3.90	11.25	445-1250-2-ND	10,000	10.80/M	C1005C0G1H181J
		50	220pF	±5%	0.5	445-1251-1-ND	.66	3.90	11.25	445-1251-2-ND	10,000	10.80/M	C1005C0G1H221J
		50	270pF	±5%	0.5	445-1252-1-ND	.77	4.55	13.13	445-1252-2-ND	10,000	12.60/M	C1005C0G1H271J

(Continued)

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Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	TDK Part No.
		50	330pF	±5%	0.5	445-1253-1-ND	.77	4.55	13.13	445-1253-2-ND	10,000	12.60/M	C1005C0G1H331J
		50	390pF	±5%	0.5	445-2655-1-ND	.88	5.20	15.00	445-2655-2-ND	10,000	14.00/M	C1005C0G1H391J
		50	470pF	±5%	0.5	445-2656-1-ND	.88	5.20	15.00	445-2656-2-ND	10,000	14.00/M	C1005C0G1H471J
		25	560pF	±5%	0.5	445-2652-1-ND	.99	5.85	16.88	445-2652-2-ND	10,000	16.00/M	C1005C0G1E561J
		25	680pF	±5%	0.5	445-2653-1-ND	.99	5.85	16.88	445-2653-2-ND	10,000	16.00/M	C1005C0G1E681J
	C0G (NP0)	25	820pF	±5%	0.5	445-2654-1-ND	1.10	6.50	18.75	445-2654-2-ND	10,000	18.00/M	C1005C0G1E821J
		25	1000pF	±5%	0.5	445-2651-1-ND	1.10	6.50	18.75	445-2651-2-ND	10,000	18.00/M	C1005C0G1E102J
		50	220pF	±10%	0.5	445-1254-1-ND	.55	3.28	9.45	445-1254-2-ND	10,000	9.08/M	C1005X7R1H221K
		50	470pF	±10%	0.5	445-1255-1-ND	.55	3.28	9.45	445-1255-2-ND	10,000	9.08/M	C1005X7R1H471K
		50	1000pF	±10%	0.5	445-1256-1-ND	.53	3.15	9.09	445-1256-2-ND	10,000	8.73/M	C1005X7R1H102K
		50	2200pF	±10%	0.5	445-1257-1-ND	.55	3.28	9.45	445-1257-2-ND	10,000	9.08/M	C1005X7R1H222K
		50	4700pF	±10%	0.5	445-1258-1-ND	.55	3.28	9.45	445-1258-2-ND	10,000	9.08/M	C1005X7R1H472K
	X7R	25	4700pF	±10%	0.5	445-1259-1-ND	.55	3.28	9.45	445-1259-2-ND	10,000	9.08/M	C1005X7R1E472K
		25	10000pF	±10%	0.5	445-1260-1-ND	.55	3.28	9.45	445-1260-2-ND	10,000	9.08/M	C1005X7R1E103K
		25	22000pF	±10%	0.5	445-1261-1-ND	.77	4.55	13.13	445-1261-2-ND	10,000	12.60/M	C1005X7R1E223K
		16	10000pF	±10%	0.5	445-1262-1-ND	.53	3.15	9.09	445-1262-2-ND	10,000	8.73/M	C1005X7R1C103K
		16	22000pF	±10%	0.5	445-1263-1-ND	.69	4.10	11.83	445-1263-2-ND	10,000	11.36/M	C1005X7R1C223K
		16	47000pF	±10%	0.5	445-1264-1-ND	1.19	7.02	20.25	445-1264-2-ND	10,000	19.44/M	C1005X7R1C473K
0402		10	0.1µF	±10%	0.5	445-1265-1-ND	1.44	8.52	24.56	445-1265-2-ND	10,000	23.58/M	C1005X5R1A104K
	X5R	6.3	0.1µF	±10%	0.5	445-1266-1-ND	1.44	8.52	24.56	445-1266-2-ND	10,000	23.58/M	C1005X5R0J104K
		6.3	0.22µF	±20%	0.5	445-1267-1-ND	2.75	16.25	46.88	445-1267-2-ND	10,000	45.00/M	C1005X5R0J224M
		6.3	1.0µF	±20%	0.5	445-1415-1-ND	1.98	11.70	33.75	445-1415-2-ND	10,000	32.40/M	C1005X5R0J105M
	Y5V	16	0.1µF	+80/-20%	0.5	445-1268-1-ND	.85	5.04	14.55	445-1268-2-ND	10,000	13.97/M	C1005Y5V1C104Z
		50	220pF	±10%	0.5	445-2495-1-ND	1.65	9.75	28.13	445-2495-2-ND	10,000	27.00/M	C1005X8R1H221K
		50	470pF	±10%	0.5	445-2496-1-ND	1.65	9.75	28.13	445-2496-2-ND	10,000	27.00/M	C1005X8R1H471K
		50	1000pF	±10%	0.5	445-2497-1-ND	1.65	9.75	28.13	445-2497-2-ND	10,000	27.00/M	C1005X8R1H102K
	X8R	50	2200pF	±10%	0.5	445-2498-1-ND	1.65	9.75	28.13	445-2498-2-ND	10,000	27.00/M	C1005X8R1H222K
		50	4700pF	±10%	0.5	445-2499-1-ND	1.65	9.75	28.13	445-2499-2-ND	10,000	27.00/M	C1005X8R1H472K
		25	0.01µF	±10%	0.5	445-2494-1-ND	1.65	9.75	28.13	445-2494-2-ND	10,000	27.00/M	C1005X8R1E103K
		10	1200pF	±5%	0.5	445-2657-1-ND	1.54	9.10	26.25	445-2657-2-ND	10,000	25.00/M	C1005SL1A122J
		10	1500pF	±5%	0.5	445-2658-1-ND	1.54	9.10	26.25	445-2658-2-ND	10,000	25.00/M	C1005SL1A152J
		10	1800pF	±5%	0.5	445-2659-1-ND	1.87	11.05	31.88	445-2659-2-ND	10,000	31.00/M	C1005SL1A182J
	SL	10	2200pF	±5%	0.5	445-2660-1-ND	1.87	11.05	31.88	445-2660-2-ND	10,000	31.00/M	C1005SL1A222J
		10	2700pF	±5%	0.5	445-2661-1-ND	2.20	13.00	37.50	445-2661-2-ND	10,000	36.00/M	C1005SL1A272J
		10	3300pF	±5%	0.5	445-2662-1-ND	2.20	13.00	37.50	445-2662-2-ND	10,000	36.00/M	C1005SL1A332J
		10	3900pF	±5%	0.5	445-2663-1-ND	2.20	13.00	37.50	445-2663-2-ND	15,000	36.00/M	C1005SL1A392J
		50	10000pF	±10%	0.85	445-1803-1-ND	3.29	19.42	56.03	445-1803-2-ND	4,000	53.79/M	C1220X7R1H103K
		50	22000pF	±10%	0.85	445-1804-1-ND	3.52	20.81	60.02	445-1804-2-ND	4,000	57.62/M	C1220X7R1H223K
	X7R	50	47000pF	±10%	0.85	445-1805-1-ND	3.76	22.19	64.01	445-1805-2-ND	4,000	61.46/M	C1220X7R1H473K
0508		25	0.1 µF	±10%	0.85	445-1806-1-ND	3.99	23.58	68.03	445-1806-2-ND	4,000	65.31/M	C1220X7R1E104K
		16	0.22µF	±10%	0.85	445-1807-1-ND	4.23	24.97	72.04	445-1807-2-ND	4,000	69.14/M	C1225X7R1C224K
		10	0.47µF	±10%	0.85	445-1808-1-ND	4.46	26.36	76.03	445-1808-2-ND	4,000	72.99/M	C1220X5R1A474K
	X5R	10	1.0µF	±10%	0.85	445-1809-1-ND	4.69	27.74	80.03	445-1809-2-ND	4,000	76.83/M	C1220X5R1A105K
		250	100pF	±5%	0.8	445-2314-1-ND	.64	3.78	10.91	445-2314-2-ND	4,000	10.00/M	C1608C0G2E101J
		250	150pF	±5%	0.8	445-2315-1-ND	.72	4.26	12.28	445-2315-2-ND	4,000	12.00/M	C1608C0G2E151J
		250	220pF	±5%	0.8	445-2316-1-ND	.80	4.73	13.65	445-2316-2-ND	4,000	13.00/M	C1608C0G2E221J
		250	330pF	±5%	0.8	445-2317-1-ND	.88	5.20	15.00	445-2317-2-ND	4,000	14.00/M	C1608C0G2E331J
		250	470pF	±5%	0.8	445-2318-1-ND	.96	5.67	16.37	445-2318-2-ND	4,000	16.00/M	C1608C0G2E471J
		250	680pF	±5%	0.8	445-2319-1-ND	1.04	6.15	17.74	445-2319-2-ND	4,000	17.00/M	C1608C0G2E681J
		100	100pF	±5%	0.8	445-2306-1-ND	.50	2.93	8.44	445-2306-2-ND	4,000	8.00/M	C1608C0G2A101J
		100	150pF	±5%	0.8	445-2307-1-ND	.58	3.41	9.84	445-2307-2-ND	4,000	9.00/M	C1608C0G2A151J
		100	220pF	±5%	0.8	445-2308-1-ND	.66	3.90	11.25	445-2308-2-ND	4,000	11.00/M	C1608C0G2A221J
		100	330pF	±5%	0.8	445-2309-1-ND	.74	4.39	12.66	445-2309-2-ND	4,000	12.00/M	C1608C0G2A331J
		100	470pF	±5%	0.8	445-2310-1-ND	.80	4.73	13.65	445-2310-2-ND	4,000	13.00/M	C1608C0G2A471J
		100	680pF	±5%	0.8	445-2311-1-ND	.88	5.20	15.00	445-2311-2-ND	4,000	14.00/M	C1608C0G2A681J
		100	1000pF	±5%	0.8	445-2312-1-ND	.99	5.85	16.88	445-2312-2-ND	4,000	16.00/M	C1608C0G2A102J
		100	1200pF	±5%	0.8	445-2313-1-ND	1.07	6.34	18.28	445-2313-2-ND	4,000	18.00/M	C1608C0G2A122J
		50	10pF	±0.5pF	0.8	445-1269-1-ND	.48	2.84	8.19	445-1269-2-ND	4,000	7.87/M	C1608C0G1H100D
		50	12pF	±5%	0.8	445-1270-1-ND	.51	3.03	8.74	445-1270-2-ND	4,000	8.39/M	C1608C0G1H120J
		50	15pF	±5%	0.8	445-1271-1-ND	.51	3.03	8.74	445-1271-2-ND	4,000	8.39/M	C1608C0G1H150J
		50	18pF	±5%	0.8	445-1272-1-ND	.51	3.03	8.74	445-1272-2-ND	4,000	8.39/M	C1608C0G1H180J
		50	22pF	±5%	0.8	445-1273-1-ND	.48	2.84	8.19	445-1273-2-ND	4,000	7.87/M	C1608C0G1H220J
		50	27pF	±5%	0.8	445-1274-1-ND	.51	3.03	8.74	445-1274-2-ND	4,000	8.39/M	C1608C0G1H270J
		50	33pF	±5%	0.8	445-1275-1-ND	.51	3.03	8.74	445-1275-2-ND	4,000	8.39/M	C1608C0G1H330J
		50	39pF	±5%	0.8	445-1276-1-ND	.51	3.03	8.74	445-1276-2-ND	4,000	8.39/M	C1608C0G1H390J
		50	47pF	±5%	0.8	445-1277-1-ND	.48	2.84	8.19	445-1277-2-ND	4,000	7.87/M	C1608C0G1H470J
		50	56pF	±5%	0.8	445-1278-1-ND	.51	3.03	8.74	445-1278-2-ND	4,000	8.39/M	C1608C0G1H560J
	C0G	50	68pF	±5%	0.8	445-1279-1-ND	.51	3.03	8.74	445-1279-2-ND	4,000	8.39/M	C1608C0G1H680J
	(NP0)	50	82pF	±5%	0.8	445-1280-1-ND	.51	3.03	8.74	445-1280-2-ND	4,000	8.39/M	C1608C0G1H820J
		50	100pF	±5%	0.8	445-1281-1-ND	.48	2.84	8.19	445-1281-2-ND	4,000	7.87/M	C1608C0G1H101J
		50	120pF	±5%	0.8	445-1282-1-ND	.51	2.99	8.63	445-1282-2-ND	4,000	8.28/M	C1608C0G1H121J
		50	150pF	±5%	0.8	445-1283-1-ND	.51	3.03	8.74	445-1283-2-ND	4,000	8.39/M	C1608C0G1H151J
		50	180pF	±5%	0.8	445-1284-1-ND	.59	3.47	10.01	445-1284-2-ND	4,000	9.62/M	C1608C0G1H181J
0603		50	220pF	±5%	0.8	445-1285-1-ND	.59	3.47	10.01	445-1285-2-ND	4,000	9.62/M	C1608C0G1H221J
		50	270pF	±5%	0.8	445-1286-1-ND	.69	4.10	11.83	445-1286-2-ND	4,000	11.36/M	C1608C0G1H271J
		50	330pF	±5%	0.8	445-1287-1-ND	.69	4.10	11.83	445-1287-2-ND	4,000	11.36/M	C1608C0G1H331J
		50	390pF	±5%	0.8	445-1288-1-ND	.80	4.73	13.65	445-1288-2-ND	4,000	13.11/M	C1608C0G1H391J
		50	470pF	±5%	0.8	445-1289-1-ND	.80	4.73	13.65	445-1289-2-ND	4,000	13.11/M	C1608C0G1H471J
		50	560pF	±5%	0.8	445-1290-1-ND	.91	5.36	15.47	445-1290-2-ND	4,000	14.85/M	C1608C0G1H561J
		50	680pF	±5%	0.8	445-1291-1-ND	.91	5.36	15.47	445-1291-2-ND	4,000	14.85/M	C1608C0G1H681J
		50	820pF	±5%	0.8	445-1292-1-ND	1.12	6.62	19.11	445-1292-2-ND	4,000	18.35/M	C1608C0G1H821J
		50	1000pF	±5%	0.8	445-1293-1-ND	1.12	6.62	19.11	445-1293-2-ND	4,000	18.35/M	C1608C0G1H102J
		50	1200pF	±5%	0.8	445-1294-1-ND	1.43	8.45	24.38	445-1294-2-ND	4,000	23.40/M	C1608C0G1H122J
		50	1500pF	±5%	0.8	445-1295-1-ND	1.43	8.45	24.38	445-1295-2-ND	4,000	23.40/M	C1608C0G1H152J
		50	1800pF	±5%	0.8	445-1296-1-ND	2.00	11.81	34.07	445-1296-2-ND	4,000	32.71/M	C1608C0G1H182J
		50	2200pF	±5%	0.8	445-1297-1-ND	1.94	11.45	33.04	445-1297-2-ND	4,000	31.72/M	C1608C0G1H222J
		50	2700pF	±5%	0.8	445-2669-1-ND	2.20	13.00	37.50	445-2669-2-ND	4,000	36.00/M	C1608C0G1H272J
		50	3300pF	±5%	0.8	445-1599-1-ND	2.20	13.00	37.50	445-1599-2-ND	4,000	36.00/M	C1608C0G1H332J
		25	3900pF	±5%	0.8	445-2665-1-ND	2.75	16.25	46.88	445-2665-2-ND	4,000	45.00/M	C1608C0G1E392J
		25	4700pF	±5%	0.8	445-2712-1-ND	2.75	16.25	46.88	445-2712-2-ND	4,000	45.00/M	C1608C0G1E472J
		25	5600pF	±5%	0.8	445-2666-1-ND	3.30	19.50	56.25	445-2666-2-ND	4,000	54.00/M	C1608C0G1E562J
		25	6800pF	±5%	0.8	445-2667-1-ND	3.30	19.50	56.25	445-2667-2-ND	4,000	54.00/M	C1608C0G1E682J
		25	8200pF	±5%	0.8	445-2668-1-ND	3.85	22.75	65.63	445-2668-2-ND	4,000	63.00/M	C1608C0G1E822J
		25	10000pF	±5%	0.8	445-2664-1-ND	3.85	22.75	65.63	445-2664-2-ND	4,000	63.00/M	C1608C0G1E103J
		100	1000pF	±10%	0.8	445-1298-1-ND	1.15	6.81	19.65	445-1298-2-ND	4,000	18.87/M	C1608X7R2A102K
		100	1000pF	±20%	0.8	445-1299-1-ND	1.09	6.44	18.56	445-1299-2-ND	4,000	17.82/M	C1608X7R2A102M
		100	2200pF	±10%	0.8	445-1300-1-ND	.88	5.20	15.00	445-1300-2-ND	4,000	14.40/M	C1608X7R2A222K
		100	2200pF	±20%	0.8	445-1301-1-ND	.88	5.20	15.00	445-1301-2-ND	4,000	14.40/M	C1608X7R2A222M
	X7R	100	4700pF	±10%	0.8	445-1302-1-ND	.88	5.20	15.00	445-1302-2-ND	4,000	14.40/M	C1608X7R2A472K
		100	4700pF	±20%	0.8	445-1303-1-ND	.88	5.20	15.00	445-1303-2-ND	4,000	14.40/M	C1608X7R2A472M
		100	10000pF	±10%	0.8	445-1304-1-ND	.96	5.67	16.37	445-1304-2-ND	4,000	15.72/M	C1608X7R2A103K
		100	10000pF	±20%	0.8	445-1305-1-ND	.96	5.67	16.37	445-1305-2-ND	4,000	15.72/M	C1608X7R2A103M
		100	22000pF	±10%	0.8	445-2275-1-ND	1.28	7.57	21.83	445-2275-2-ND	4,000	21.00/M	C1608X7R2A223K
		50	220pF	±10%	0.8	445-1306-1-ND	.51	3.03	8.74	445-1306-2-ND	4,000	8.39/M	C1608X7R1H221K

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Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	TDK Part No.
		50	470pF	±10%	0.8	445-1307-1-ND	.51	3.03	8.74	445-1307-2-ND	4,000	8.39/M	C1608X7R1H471K
		50	1000pF	±10%	0.8	445-1308-1-ND	.48	2.84	8.19	445-1308-2-ND	4,000	7.87/M	C1608X7R1H102K
		50	2200pF	±10%	0.8	445-1309-1-ND	.51	3.03	8.74	445-1309-2-ND	4,000	8.39/M	C1608X7R1H222K
		50	4700pF	±10%	0.8	445-1310-1-ND	.51	3.03	8.74	445-1310-2-ND	4,000	8.39/M	C1608X7R1H472K
		50	10000pF	±10%	0.8	445-1311-1-ND	.48	2.84	8.19	445-1311-2-ND	4,000	7.87/M	C1608X7R1H103K
	X7R	50	22000pF	±10%	0.8	445-1312-1-ND	.69	4.10	11.83	445-1312-2-ND	4,000	11.36/M	C1608X7R1H223K
		50	47000pF	±10%	0.8	445-1313-1-ND	1.01	5.99	17.29	445-1313-2-ND	4,000	16.60/M	C1608X7R1H473K
		50	0.1µF	±10%	0.8	445-1314-1-ND	1.12	6.62	19.11	445-1314-2-ND	4,000	18.35/M	C1608X7R1H104K
		25	47000pF	±10%	0.8	445-1315-1-ND	1.01	5.99	17.29	445-1315-2-ND	4,000	16.60/M	C1608X7R1E473K
		25	0.1µF	±10%	0.8	445-1316-1-ND	.94	5.55	16.01	445-1316-2-ND	4,000	15.38/M	C1608X7R1E104K
		16	0.1µF	±10%	0.8	445-1317-1-ND	.94	5.55	16.01	445-1317-2-ND	4,000	15.38/M	C1608X7R1C104K
		16	0.22µF	±10%	0.8	445-1318-1-ND	1.90	11.23	32.38	445-1318-2-ND	4,000	31.09/M	C1608X7R1C224K
		16	1.0µF	±10%	0.8	445-1604-1-ND	1.71	10.09	29.10	445-1604-2-ND	4,000	27.94/M	C1608X7R1C105K
		16	1.0µF	±10%	0.8	445-1416-1-ND	.83	4.88	14.06	445-1416-2-ND	4,000	13.50/M	C1608X5R1C105K
		10	0.22µF	±10%	0.8	445-1319-1-ND	1.79	10.60	30.56	445-1319-2-ND	4,000	29.34/M	C1608X5R1A224K
		10	0.47µF	±10%	0.8	445-1320-1-ND	2.75	16.25	46.88	445-1320-2-ND	4,000	45.00/M	C1608X5R1A474K
	X5R	10	1.0µF	±10%	0.8	445-1321-1-ND	2.20	13.00	37.50	445-1321-2-ND	4,000	36.00/M	C1608X5R1A105K
		6.3	1.0µF	±10%	0.8	445-1322-1-ND	2.20	13.00	37.50	445-1322-2-ND	4,000	36.00/M	C1608X5R0J105K
		6.3	2.2µF	±20%	0.8	445-1323-1-ND	3.04	17.94	51.75	445-1323-2-ND	4,000	49.68/M	C1608X5R0J225M
		6.3	4.7µF	±20%	0.8	445-1417-1-ND	3.30	19.50	56.25	445-1417-2-ND	4,000	54.00/M	C1608X5R0J475M
0603		50	0.1µF	+80/-20%	0.8	445-1324-1-ND	.48	2.84	8.19	445-1324-2-ND	4,000	7.87/M	C1608Y5V1H104Z
		25	0.1µF	+80/-20%	0.8	445-1325-1-ND	.50	2.93	8.44	445-1325-2-ND	4,000	8.10/M	C1608Y5V1E104Z
	Y5V	16	0.1µF	+80/-20%	0.8	445-1326-1-ND	.48	2.84	8.19	445-1326-2-ND	4,000	7.87/M	C1608Y5V1C104Z
		16	1.0µF	+80/-20%	0.8	445-1327-1-ND	1.87	11.04	31.84	445-1327-2-ND	4,000	30.57/M	C1608Y5V1C105Z
		10	1.0µF	+80/-20%	0.8	445-1328-1-ND	1.45	8.58	24.75	445-1328-2-ND	4,000	23.76/M	C1608Y5V1A105Z
		100	1000pF	±10%	0.8	445-2507-1-ND	1.32	7.80	22.50	445-2507-2-ND	4,000	22.00/M	C1608X8R2A102K
		100	2200pF	±10%	0.8	445-2508-1-ND	1.32	7.80	22.50	445-2508-2-ND	4,000	22.00/M	C1608X8R2A222K
		100	4700pF	±10%	0.8	445-2509-1-ND	1.32	7.80	22.50	445-2509-2-ND	4,000	22.00/M	C1608X8R2A472K
		100	0.01µF	±10%	0.8	445-2510-1-ND	1.32	7.80	22.50	445-2510-2-ND	4,000	22.00/M	C1608X8R2A103K
		100	0.015µF	±10%	0.8	445-2511-1-ND	1.32	7.80	22.50	445-2511-2-ND	4,000	22.00/M	C1608X8R2A153K
	X8R	50	1000pF	±10%	0.8	445-2501-1-ND	1.16	6.83	19.69	445-2501-2-ND	4,000	19.00/M	C1608X8R1H102K
		50	2200pF	±10%	0.8	445-2502-1-ND	1.16	6.83	19.69	445-2502-2-ND	4,000	19.00/M	C1608X8R1H222K
		50	4700pF	±10%	0.8	445-2503-1-ND	1.16	6.83	19.69	445-2503-2-ND	4,000	19.00/M	C1608X8R1H472K
		50	0.01µF	±10%	0.8	445-2504-1-ND	1.16	6.83	19.69	445-2504-2-ND	4,000	19.00/M	C1608X8R1H103K
		50	.022µF	±10%	0.8	445-2505-1-ND	1.16	6.83	19.69	445-2505-2-ND	4,000	19.00/M	C1608X8R1H223K
		50	.047µF	±10%	0.8	445-2506-1-ND	1.16	6.83	19.69	445-2506-2-ND	4,000	19.00/M	C1608X8R1H473K
		25	0.1µF	±10%	0.8	445-2500-1-ND	1.16	6.83	19.69	445-2500-2-ND	4,000	19.00/M	C1608X8R1E104K
	SL	10	15000pF	±5%	0.5	445-2670-1-ND	6.60	39.00	112.50	445-2670-2-ND	4,000	108.00/M	C1608SL1A153J
		10	22000pF	±5%	0.5	445-2671-1-ND	6.60	39.00	112.50	445-2671-2-ND	4,000	108.00/M	C1608SL1A223J
		50	1000pF	±10%	0.7	445-1810-1-ND	3.52	20.81	60.02	445-1810-2-ND	4,000	57.62/M	C1632X7R1H103K
		50	22000pF	±10%	0.7	445-1811-1-ND	3.76	22.19	64.01	445-1811-2-ND	4,000	61.46/M	C1632X7R1H223K
		50	47000pF	±10%	0.7	445-1812-1-ND	3.99	23.58	68.03	445-1812-2-ND	4,000	65.31/M	C1632X7R1H473K
		50	0.1µF	±10%	0.7	445-1813-1-ND	4.23	24.97	72.02	445-1813-2-ND	4,000	69.14/M	C1632X7R1H104K
	X7R	50	0.22µF	±10%	1.15	445-1814-1-ND	4.46	26.36	76.03	445-1814-2-ND	2,000	72.99/M	C1632X7R1H224K
1612		25	0.22µF	±10%	0.7	445-1815-1-ND	4.23	24.97	72.02	445-1815-2-ND	4,000	69.14/M	C1632X7R1E224K
		25	0.47µF	±10%	1.15	445-1816-1-ND	4.69	27.74	80.03	445-1816-2-ND	2,000	76.83/M	C1632X7R1E474K
		16	0.47µF	±10%	0.7	445-1817-1-ND	4.46	26.36	76.03	445-1817-2-ND	4,000	72.99/M	C1632X7R1C474K
		16	1.0µF	±10%	1.15	445-1818-1-ND	5.87	34.68	100.03	445-1818-2-ND	2,000	96.03/M	C1632X7R1C105K
		10	1.0µF	±10%	0.7	445-1819-1-ND	5.63	33.29	96.04	445-1819-2-ND	4,000	92.20/M	C1632X5R1A105K
	X5R	10	2.2µF	±10%	1.15	445-1820-1-ND	7.04	41.61	120.04	445-1820-2-ND	2,000	115.24/M	C1632X5R1A225K
		6.3	4.7µF	±10%	1.3	445-1821-1-ND	7.82	4.87	14.04	445-1821-2-ND	2,000	13.48/M	C1632X5R0J475K
		250	1000pF	±5%	0.85	445-2325-1-ND	1.60	9.46	27.28	445-2325-2-ND	4,000	26.00/M	C2012C0G2E102J
		250	1500pF	±5%	0.85	445-2326-1-ND	1.92	11.35	32.74	445-2326-2-ND	4,000	31.00/M	C2012C0G2E152J
		250	2200pF	±5%	1.25	445-2327-1-ND	2.24	13.24	38.19	445-2327-2-ND	2,000	37.00/M	C2012C0G2E222J
		250	2700pF	±5%	1.25	445-2328-1-ND	2.40	14.19	40.93	445-2328-2-ND	2,000	39.00/M	C2012C0G2E272J
		100	1000pF	±5%	0.6	445-2320-1-ND	1.20	7.09	20.46	445-2320-2-ND	4,000	20.00/M	C2012C0G2A102J
		100	1500pF	±5%	0.6	445-2321-1-ND	1.44	8.52	24.56	445-2321-2-ND	4,000	24.00/M	C2012C0G2A152J
		100	2200pF	±5%	0.85	445-2322-1-ND	1.76	10.41	30.02	445-2322-2-ND	4,000	29.00/M	C2012C0G2A222J
		100	3300pF	±5%	1.25	445-2323-1-ND	2.06	12.30	35.48	445-2323-2-ND	2,000	34.00/M	C2012C0G2A332J
		100	4700pF	±5%	1.25	445-2324-1-ND	2.40	14.19	40.93	445-2324-2-ND	2,000	39.00/M	C2012C0G2A472J
		50	100pF	±5%	0.6	445-1329-1-ND	10.86	64.19	185.16	445-1329-2-ND	4,000	177.75/M	C2012C0G1H101J
		50	1000pF	±5%	0.8	445-1330-1-ND	2.13	12.61	36.38	445-1330-2-ND	4,000	34.92/M	C2012C0G1H102J
		50	1200pF	±5%	0.8	445-2681-1-ND	1.54	9.10	26.25	445-2681-2-ND	4,000	25.00/M	C2012C0G1H122J
		50	1500pF	±5%	0.6	445-1331-1-ND	1.55	9.15	26.38	445-1331-2-ND	4,000	25.33/M	C2012C0G1H152J
		50	1800pF	±5%	0.6	445-2682-1-ND	1.87	11.05	31.88	445-2682-2-ND	4,000	31.00/M	C2012C0G1H182J
		50	2200pF	±5%	0.6	445-1332-1-ND	1.97	11.67	33.66	445-1332-2-ND	4,000	32.31/M	C2012C0G1H222J
	C0G (NP0)	50	2700pF	±5%	0.6	445-1600-1-ND	2.75	16.25	46.88	445-1600-2-ND	2,000	45.00/M	C2012C0G1H272J
		50	3300pF	±5%	0.6	445-1333-1-ND	2.75	16.25	46.88	445-1333-2-ND	2,000	45.00/M	C2012C0G1H332J
		50	3900pF	±5%	0.85	445-2683-1-ND	3.30	19.50	56.25	445-2683-2-ND	4,000	54.00/M	C2012C0G1H392J
		50	4700pF	±5%	0.85	445-1334-1-ND	3.30	19.50	56.25	445-1334-2-ND	4,000	54.00/M	C2012C0G1H472J
		50	5600pF	±5%	0.85	445-2684-1-ND	3.85	22.75	65.63	445-2684-2-ND	4,000	63.00/M	C2012C0G1H562J
		50	6800pF	±5%	1.25	445-1335-1-ND	3.85	22.75	65.63	445-1335-2-ND	2,000	63.00/M	C2012C0G1H682J
		50	8200pF	±5%	1.25	445-2685-1-ND	4.40	26.00	75.00	445-2685-2-ND	2,000	72.00/M	C2012C0G1H822J
		50	10000pF	±5%	1.25	445-1336-1-ND	7.47	44.14	127.31	445-1336-2-ND	2,000	122.22/M	C2012C0G1H103J
		25	3900pF	±5%	0.6	445-2676-1-ND	3.30	19.50	56.25	445-2676-2-ND	4,000	54.00/M	C2012C0G1E392J
		25	4700pF	±5%	0.6	445-2677-1-ND	3.30	19.50	56.25	445-2677-2-ND	4,000	54.00/M	C2012C0G1E472J
0805		25	5600pF	±5%	0.6	445-2678-1-ND	3.85	22.75	65.63	445-2678-2-ND	4,000	63.00/M	C2012C0G1E562J
		25	6800pF	±5%	0.6	445-2679-1-ND	3.85	22.75	65.63	445-2679-2-ND	4,000	63.00/M	C2012C0G1E682J
		25	8200pF	±5%	0.6	445-2680-1-ND	4.40	26.00	75.00	445-2680-2-ND	4,000	72.00/M	C2012C0G1E822J
		25	10000pF	±5%	0.6	445-2672-1-ND	4.40	26.00	75.00	445-2672-2-ND	4,000	72.00/M	C2012C0G1E103J
		25	15000pF	±5%	0.85	445-2673-1-ND	6.60	39.00	112.50	445-2673-2-ND	4,000	108.00/M	C2012C0G1E153J
		25	22000pF	±5%	1.25	445-2674-1-ND	6.60	39.00	112.50	445-2674-2-ND	2,000	108.00/M	C2012C0G1E223J
		25	33000pF	±5%	1.25	445-2675-1-ND	8.80	52.00	150.00	445-2675-2-ND	2,000	144.00/M	C2012C0G1E333J
		250	1000pF	±10%	0.85	445-2277-1-ND	1.28	7.57	21.83	445-2277-2-ND	4,000	21.00/M	C2012X7R2E102K
		250	2200pF	±10%	0.85	445-2278-1-ND	1.60	9.46	27.28	445-2278-2-ND	4,000	26.00/M	C2012X7R2E222K
		250	4700pF	±10%	0.85	445-2279-1-ND	1.60	9.46	27.28	445-2279-2-ND	4,000	26.00/M	C2012X7R2E472K
		250	10000pF	±10%	1.25	445-2280-1-ND	2.40	14.19	40.93	445-2280-2-ND	2,000	39.00/M	C2012X7R2E103K
		250	22000pF	±10%	1.25	445-2281-1-ND	2.40	14.19	40.93	445-2281-2-ND	2,000	39.00/M	C2012X7R2E223K
		100	1000pF	±10%	0.85	445-1337-1-ND	1.25	7.38	21.28	445-1337-2-ND	4,000	20.43/M	C2012X7R2A102K
		100	1000pF	±20%	0.85	445-1338-1-ND	.91	5.40	15.56	445-1338-2-ND	4,000	14.94/M	C2012X7R2A102M
		100	2200pF	±10%	0.85	445-1339-1-ND	.88	5.20	15.00	445-1339-2-ND	4,000	14.40/M	C2012X7R2A222K
		100	2200pF	±20%	0.85	445-1340-1-ND	1.15	6.81	19.65	445-1340-2-ND	4,000	18.87/M	C2012X7R2A222M
		100	4700pF	±10%	0.85	445-1341-1-ND	.99	5.85	16.88	445-1341-2-ND	4,000	16.20/M	C2012X7R2A472K
	X7R	100	4700pF	±20%	0.85	445-1342-1-ND	1.19	7.02	20.25	445-1342-2-ND	4,000	19.44/M	C2012X7R2A472M
		100	10000pF	±10%	0.85	445-1343-1-ND	1.25	7.38	21.28	445-1343-2-ND	4,000	20.43/M	C2012X7R2A103K
		100	10000pF	±20%	0.85	445-1344-1-ND	1.16	6.83	19.69	445-1344-2-ND	4,000	18.90/M	C2012X7R2A103M
		100	22000pF	±10%	1.25	445-1345-1-ND	1.44	8.52	24.56	445-1345-2-ND	2,000	23.58/M	C2012X7R2A223K
		100	22000pF	±20%	1.25	445-1346-1-ND	1.32	7.80	22.50	445-1346-2-ND	2,000	21.60/M	C2012X7R2A223M
		100	47000pF	±10%	1.25	445-2276-1-ND	3.20	18.92	54.56	445-2276-2-ND	2,000	52.00/M	C2012X7R2A473K
		100	0.1µF	±10%	1.25	445-1418-1-ND	4.48	26.48	76.39	445-1418-2-ND	2,000	73.33/M	C2012X7R2A104K
		50	1000pF	±10%	0.6	445-1347-1-ND	.83	4.90	14.14	445-1347-2-ND	4,000	13.58/M	C2012X7R1H102K
		50	10000pF	±10%	0.6	445-1348-1-ND	.75	4.41	12.73	445-1348-2-ND	4,000	12.23/M	C2012X7R1H103K
		50	0.1µF	±10%	0.85	445-1349-1-ND	1.58	9.33	26.93	445-1349-2-ND	2,000	25.85/M	C2012X7R1H104K

(Continued)

Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	TDK Part No.
		50	0.22µF	±10%	1.25	445-1350-1-ND	2.29	13.56	39.11	445-1350-2-ND	2,000	37.55/M	C2012X7R1H224K
		25	0.1µF	±10%	0.85	445-1351-1-ND	1.58	9.33	26.93	445-1351-2-ND	2,000	25.85/M	C2012X7R1E104K
		25	0.22µF	±10%	1.25	445-1352-1-ND	2.29	13.56	39.11	445-1352-2-ND	2,000	37.55/M	C2012X7R1E224K
		25	0.47µF	±10%	1.25	445-1353-1-ND	3.41	20.18	58.20	445-1353-2-ND	2,000	55.87/M	C2012X7R1E474K
		25	1.0µF	±10%	1.25	445-1354-1-ND	5.94	35.10	101.25	445-1354-2-ND	2,000	97.20/M	C2012X7R1E105K
		16	0.22µF	±10%	1.25	445-1355-1-ND	2.29	13.56	39.11	445-1355-2-ND	2,000	37.55/M	C2012X7R1C224K
	X7R	16	0.33µF	±10%	1.25	445-1356-1-ND	3.20	18.92	54.56	445-1356-2-ND	2,000	52.38/M	C2012X7R1C334K
		16	0.47µF	±10%	1.25	445-1357-1-ND	3.41	20.18	58.20	445-1357-2-ND	2,000	55.87/M	C2012X7R1C474K
		16	1.0µF	±10%	1.25	445-1358-1-ND	3.41	20.15	58.13	445-1358-2-ND	2,000	55.80/M	C2012X7R1C105K
		16	2.2µF	±10%	1.25	445-1420-1-ND	5.98	35.35	101.98	445-1420-2-ND	2,000	97.90/M	C2012X7R1C225K
		10	1.0µF	±10%	0.85	445-1359-1-ND	3.41	20.15	58.13	445-1359-2-ND	2,000	55.80/M	C2012X7R1A105K
		10	4.7µF	±20%	1.25	445-1605-1-ND	6.00	35.43	102.19	445-1605-2-ND	2,000	98.10/M	C2012X7R1A475M
		25	1.0µF	±10%	1.25	445-1419-1-ND	4.01	23.67	68.27	445-1419-2-ND	2,000	65.54/M	C2012X5R1E105K
		10	1.0µF	±10%	0.85	445-1587-1-ND	3.41	20.15	58.13	445-1587-2-ND	4,000	55.80/M	C2012X5R1A105K/0.85
		10	2.2µF	±10%	0.85	445-1588-1-ND	7.48	44.20	127.50	445-1588-2-ND	4,000	122.40/M	C2012X5R1A225K/0.85
	X5R	6.3	4.7µF	±10%	1.25	445-1421-1-ND	5.50	32.50	93.75	445-1421-2-ND	2,000	90.00/M	C2012X5R0J475K
		6.3	4.7µF	±20%	1.25	445-1362-1-ND	5.50	32.50	93.75	445-1362-2-ND	2,000	90.00/M	C2012X5R0J475M
0805		6.3	10µF	±20%	1.25	445-1363-1-ND	7.02	41.47	119.63	445-1363-2-ND	2,000	114.84/M	C2012X5R0J106M
		6.3	22µF	±20%	1.25	445-1422-1-ND	9.90	58.50	168.75	445-1422-2-ND	2,000	162.00/M	C2012X5R0J226M
		50	1.0µF	+80/-20%	1.25	445-1364-1-ND	1.82	10.73	30.94	445-1364-2-ND	2,000	29.70/M	C2012Y5V1H105Z
		25	1.0µF	+80/-20%	0.85	445-1590-1-ND	1.76	10.41	30.02	445-1590-2-ND	4,000	28.82/M	C2012Y5V1E105Z/0.85
		25	2.2µF	+80/-20%	1.25	445-1366-1-ND	3.85	22.75	65.63	445-1366-2-ND	2,000	63.00/M	C2012Y5V1E225Z
		16	1.0µF	+80/-20%	0.85	445-1589-1-ND	1.82	10.73	30.94	445-1589-2-ND	4,000	29.70/M	C2012Y5V1C105Z/0.85
		16	2.2µF	+80/-20%	1.25	445-1368-1-ND	3.73	22.07	63.66	445-1368-2-ND	2,000	61.11/M	C2012Y5V1C225Z
	Y5V	16	4.7µF	+80/-20%	1.25	445-1369-1-ND	6.83	40.35	116.40	445-1369-2-ND	2,000	111.75/M	C2012Y5V1C475Z
		10	4.7µF	+80/-20%	1.25	445-1370-1-ND	1.65	9.75	28.13	445-1370-2-ND	2,000	27.00/M	C2012Y5V1A475Z
		10	10µF	+80/-20%	1.25	445-1371-1-ND	10.45	61.75	178.13	445-1371-2-ND	2,000	171.00/M	C2012Y5V1A106Z
		6.3	10µF	+80/-20%	1.25	445-1372-1-ND	4.95	29.25	84.38	445-1372-2-ND	2,000	81.00/M	C2012Y5V0J106Z
		6.3	22µF	+80/-20%	1.25	445-1373-1-ND	5.78	34.13	98.44	445-1373-2-ND	2,000	94.50/M	C2012Y5V0J226Z
		100	0.022µF	±10%	1.25	445-1515-1-ND	2.48	14.63	42.19	445-1515-2-ND	2,000	41.00/M	C2012X8R2A223K
		50	0.10µF	±10%	1.25	445-2514-1-ND	1.65	9.75	28.13	445-2514-2-ND	2,000	27.00/M	C2012X8R1H104K
	X8R	25	0.22µF	±10%	1.25	445-2512-1-ND	3.30	19.50	56.25	445-2512-2-ND	2,000	54.00/M	C2012X8R1E224K
		25	0.33µF	±10%	1.25	445-2513-1-ND	3.30	19.50	56.25	445-2513-2-ND	2,000	54.00/M	C2012X8R1E334K
		10	33000pF	±5%	0.6	445-2687-1-ND	11.00	65.00	187.50	445-2687-2-ND	4,000	180.00/M	C2012SL1A333J
		10	47000pF	±5%	0.85	445-2688-1-ND	11.00	65.00	187.50	445-2688-2-ND	4,000	180.00/M	C2012SL1A473J
	SL	10	68000pF	±5%	1.25	445-2689-1-ND	13.20	78.00	225.00	445-2689-2-ND	2,000	216.00/M	C2012SL1A683J
		10	0.1µF	±5%	1.25	445-2686-1-ND	13.20	78.00	225.00	445-2686-2-ND	2,000	216.00/M	C2012SL1A104J
		630	100pF	±5%	0.8	445-2336-1-ND	3.20	18.92	54.56	445-2336-2-ND	4,000	52.00/M	C3216C0G2J101J
		630	150pF	±5%	0.6	445-2337-1-ND	3.20	18.92	54.56	445-2337-2-ND	4,000	52.00/M	C3216C0G2J151J
		630	220pF	±5%	0.6	445-2338-1-ND	3.20	18.92	54.56	445-2338-2-ND	4,000	52.00/M	C3216C0G2J221J
		630	330pF	±5%	0.6	445-2339-1-ND	3.20	18.92	54.56	445-2339-2-ND	4,000	52.00/M	C3216C0G2J331J
		630	470pF	±5%	0.85	445-2340-1-ND	3.20	18.92	54.56	445-2340-2-ND	4,000	52.00/M	C3216C0G2J471J
		630	680pF	±5%	0.85	445-2341-1-ND	3.20	18.92	54.56	445-2341-2-ND	4,000	52.00/M	C3216C0G2J681J
		630	1000pF	±5%	0.85	445-2342-1-ND	3.20	18.92	54.56	445-2342-2-ND	4,000	52.00/M	C3216C0G2J102J
		630	1500pF	±5%	1.15	445-2343-1-ND	4.00	23.65	68.21	445-2343-2-ND	2,000	65.00/M	C3216C0G2J152J
		630	2200pF	±5%	1.15	445-2344-1-ND	4.80	28.37	81.84	445-2344-2-ND	2,000	79.00/M	C3216C0G2J222J
		630	3300pF	±5%	1.6	445-2345-1-ND	5.60	33.10	95.49	445-2345-2-ND	2,000	92.00/M	C3216C0G2J332J
		250	3300pF	±5%	0.85	445-2332-1-ND	3.20	18.92	54.56	445-2332-2-ND	4,000	52.00/M	C3216C0G2E332J
		250	4700pF	±5%	1.15	445-2333-1-ND	4.80	28.37	81.84	445-2333-2-ND	2,000	79.00/M	C3216C0G2E472J
		250	6800pF	±5%	1.6	445-2334-1-ND	6.40	37.83	109.13	445-2334-2-ND	2,000	105.00/M	C3216C0G2E682J
		250	8200pF	±5%	1.6	445-2335-1-ND	7.20	42.56	122.78	445-2335-2-ND	2,000	118.00/M	C3216C0G2E822J
	C0G	100	4700pF	±5%	0.85	445-2329-1-ND	4.00	23.65	68.21	445-2329-2-ND	4,000	65.00/M	C3216C0G2A472J
	(NP0)	100	6800pF	±5%	1.15	445-2330-1-ND	5.60	33.10	95.49	445-2330-2-ND	2,000	92.00/M	C3216C0G2A682J
		100	10000pF	±5%	1.15	445-2331-1-ND	6.40	37.83	109.13	445-2331-2-ND	2,000	105.00/M	C3216C0G2A103J
		50	4700pF	±5%	0.6	445-1374-1-ND	4.27	25.22	72.75	445-1374-2-ND	2,000	69.84/M	C3216C0G1H472J
		50	10000pF	±5%	0.85	445-1375-1-ND	5.50	32.50	93.75	445-1375-2-ND	2,000	90.00/M	C3216C0G1H103J
		50	15000pF	±5%	1.15	445-2698-1-ND	8.80	52.00	150.00	445-2698-2-ND	2,000	144.00/M	C3216C0G1H153J
		50	22000pF	±5%	1.15	445-1376-1-ND	8.80	52.00	150.00	445-1376-2-ND	2,000	144.00/M	C3216C0G1H223J
		50	33000pF	±5%	1.6	445-2699-1-ND	12.10	71.50	206.25	445-2699-2-ND	2,000	198.00/M	C3216C0G1H333J
		25	8200pF	±5%	0.6	445-2697-1-ND	5.50	32.50	93.75	445-2697-2-ND	4,000	90.00/M	C3216C0G1E822J
		25	10000pF	±5%	0.6	445-2690-1-ND	5.50	32.50	93.75	445-2690-2-ND	4,000	90.00/M	C3216C0G1E103J
		25	15000pF	±5%	0.6	445-2692-1-ND	8.80	52.00	150.00	445-2692-2-ND	4,000	144.00/M	C3216C0G1E153J
		25	22000pF	±5%	0.6	445-2693-1-ND	8.80	52.00	150.00	445-2693-2-ND	4,000	144.00/M	C3216C0G1E223J
		25	33000pF	±5%	0.85	445-2694-1-ND	12.10	71.50	206.25	445-2694-2-ND	4,000	198.00/M	C3216C0G1E333J
		25	47000pF	±5%	1.15	445-2695-1-ND	14.30	84.50	243.75	445-2695-2-ND	2,000	234.00/M	C3216C0G1E473J
		25	68000pF	±5%	1.6	445-2696-1-ND	14.30	84.50	243.75	445-2696-2-ND	2,000	234.00/M	C3216C0G1E683J
		25	0.1µF	±5%	1.6	445-2691-1-ND	16.50	97.50	281.25	445-2691-2-ND	2,000	270.00/M	C3216C0G1E104J
1206		630	1000pF	±10%	1.15	445-2288-1-ND	4.00	23.65	68.21	445-2288-2-ND	2,000	65.00/M	C3216X7R2J102K
		630	2200pF	±10%	1.15	445-2289-1-ND	4.00	23.65	68.21	445-2289-2-ND	2,000	65.00/M	C3216X7R2J222K
		630	4700pF	±10%	1.15	445-2290-1-ND	4.00	23.65	68.21	445-2290-2-ND	2,000	65.00/M	C3216X7R2J472K
		630	10000pF	±10%	1.15	445-2291-1-ND	4.80	28.37	81.84	445-2291-2-ND	2,000	79.00/M	C3216X7R2J103K
		630	22000pF	±10%	1.3	445-2292-1-ND	6.40	37.83	109.13	445-2292-2-ND	2,000	105.00/M	C3216X7R2J223K
		250	22000pF	±10%	1.15	445-2285-1-ND	3.20	18.92	54.56	445-2285-2-ND	2,000	52.00/M	C3216X7R2E223K
		250	47000pF	±10%	1.6	445-2286-1-ND	4.00	23.65	68.21	445-2286-2-ND	2,000	65.00/M	C3216X7R2E473K
		250	0.1µF	±10%	1.6	445-2287-1-ND	4.80	28.37	81.84	445-2287-2-ND	2,000	79.00/M	C3216X7R2E104K
		100	47000pF	±10%	1.15	445-2282-1-ND	4.00	23.65	68.21	445-2282-2-ND	2,000	65.00/M	C3216X7R2A473K
		100	0.1µF	±10%	1.6	445-1377-1-ND	6.94	40.98	118.22	445-1377-2-ND	2,000	113.49/M	C3216X7R2A104K
		100	0.1µF	±20%	1.6	445-1378-1-ND	6.50	38.41	110.79	445-1378-2-ND	2,000	106.36/M	C3216X7R2A104M
		100	2.2µF	±10%	1.15	445-2283-1-ND	6.40	37.83	109.13	445-2283-2-ND	2,000	105.00/M	C3216X7R2A225K
		100	0.47µF	±10%	1.6	445-2284-1-ND	8.00	47.29	136.41	445-2284-2-ND	2,000	131.00/M	C3216X7R2A474K
	X7R	50	0.22µF	±10%	1.6	445-1379-1-ND	3.52	20.81	60.02	445-1379-2-ND	2,000	57.62/M	C3216X7R1H224K
		50	0.47µF	±10%	1.6	445-1380-1-ND	4.32	25.54	73.67	445-1380-2-ND	2,000	70.72/M	C3216X7R1H474K
		50	1.0µF	±10%	1.6	445-1423-1-ND	4.11	24.31	70.13	445-1423-2-ND	2,000	67.32/M	C3216X7R1H105K
		25	1.0µF	±10%	0.85	445-1592-1-ND	4.11	24.31	70.13	445-1592-2-ND	4,000	67.32/M	C3216X7R1E105K/0.85
		25	2.2µF	±10%	1.6	445-1382-1-ND	6.63	39.17	112.99	445-1382-2-ND	2,000	108.47/M	C3216X7R1E225K
		25	4.7µF	±10%	1.6	445-1606-1-ND	5.99	35.37	102.04	445-1606-2-ND	2,000	97.96/M	C3216X7R1E475K
		25	4.7µF	±20%	1.6	445-1424-1-ND	12.56	74.21	214.07	445-1424-2-ND	2,000	205.51/M	C3216X7R1E475M
		16	1.0µF	±10%	0.85	445-1591-1-ND	3.85	22.75	65.63	445-1591-2-ND	4,000	63.00/M	C3216X7R1C105K/0.85
		16	2.2µF	±10%	1.6	445-1384-1-ND	7.98	47.16	136.05	445-1384-2-ND	2,000	130.61/M	C3216X7R1C225K
		16	4.7µF	±10%	1.6	445-1385-1-ND	12.77	75.46	217.67	445-1385-2-ND	2,000	208.96/M	C3216X7R1C475K
		16	4.7µF	±20%	1.6	445-1425-1-ND	11.85	70.01	201.96	445-1425-2-ND	2,000	193.88/M	C3216X7R1C475M
		16	10µF	±20%	1.6	445-1601-1-ND	8.45	49.93	144.04	445-1601-2-ND	2,000	138.28/M	C3216X7R1C106M
		10	10µF	±20%	1.6	445-1602-1-ND	14.85	87.75	253.13	445-1602-2-ND	2,000	243.00/M	C3216X7R1A106M
		16	10µF	±20%	1.6	445-1426-1-ND	12.67	74.88	216.00	445-1426-2-ND	2,000	207.36/M	C3216X5R1C106M
		10	4.7µF	±10%	1.6	445-1386-1-ND	10.46	61.79	178.24	445-1386-2-ND	2,000	171.11/M	C3216X5R1A475K
		10	10µF	±20%	1.6	445-1387-1-ND	4.95	29.25	84.38	445-1387-2-ND	2,000	81.00/M	C3216X5R1A106M
	X5R	6.3	10µF	±10%	1.6	445-1388-1-ND	4.95	29.25	84.38	445-1388-2-ND	2,000	81.00/M	C3216X5R0J106K
		6.3	10µF	±20%	1.6	445-1389-1-ND	4.95	29.25	84.38	445-1389-2-ND	2,000	81.00/M	C3216X5R0J106M
		6.3	22µF	±20%	1.6	445-1427-1-ND	19.80	117.00	337.50	445-1427-2-ND	2,000	324.00/M	C3216X5R0J226M
		6.3	47µF	±20%	1.6	445-1428-1-ND	39.60	234.00	675.00	445-1428-2-ND	2,000	648.00/M	C3216X5R0J476M
		16	4.7µF	+80/-20%	0.85	445-1594-1-ND	5.55	32.79	94.58	445-1594-2-ND	4,000	90.80/M	C3216Y5V1C475Z/0.85
		16	10µF	+80/-20%	1.6	445-1391-1-ND	9.35	55.25	159.38	445-1391-2-ND	2,000	153.00/M	C3216Y5V1C106Z
	Y5V	10	10µF	+80/-20%	0.85	445-1593-1-ND	9.07	53.59	154.59	445-1593-2-ND	4,000	148.41/M	C3216Y5V1A106Z/0.85
		10	22µF	+80/-20%	1.6	445-1393-1-ND	17.71	104.65	301.88	445-1393-2-ND	2,000	289.80/M	C3216Y5V1A226Z
		6.3	47µF	+80/-20%	1.6	445-1394-1-ND	39.60	234.00	675.00	445-1394-2-ND	2,000	648.00/M	C3216Y5V0J476Z

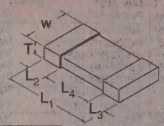
(Continued)

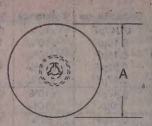
Type	WV DC	Capacitance	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	TDK Part No.
X8R	100	0.047µF	±10%	0.85	445-2520-1-ND	6.60	39.00	112.50	445-2520-2-ND	4,000	108.00/M	C3216X8R2A473K
	100	0.10µF	±10%	1.15	445-2521-1-ND	6.60	39.00	112.50	445-2521-2-ND	2,000	108.00/M	C3216X8R2A104K
	100	0.15µF	±10%	1.6	445-2522-1-ND	6.60	39.00	112.50	445-2522-2-ND	2,000	108.00/M	C3216X8R2A154K
	50	0.22µF	±10%	1.15	445-2518-1-ND	6.60	39.00	112.50	445-2518-2-ND	2,000	108.00/M	C3216X8R1H224K
	50	0.47µF	±10%	1.6	445-2519-1-ND	6.60	39.00	112.50	445-2519-2-ND	2,000	108.00/M	C3216X8R1H474K
	25	0.47µF	±10%	0.85	445-2516-1-ND	6.60	39.00	112.50	445-2516-2-ND	4,000	108.00/M	C3216X8R1E474K
	25	1.0µF	±10%	1.6	445-2517-1-ND	6.60	39.00	112.50	445-2517-2-ND	2,000	108.00/M	C3216X8R1E105K
SL	10	0.15µF	±5%	1.15	445-2700-1-ND	16.50	97.50	281.25	445-2700-2-ND	2,000	270.00/M	C3216SL1A154J
	10	0.22µF	±5%	1.6	445-2701-1-ND	16.50	97.50	281.25	445-2701-2-ND	2,000	270.00/M	C3216SL1A224J
C0G (NP0)	630	4700pF	±5%	1.6	445-2352-1-ND	24.01	141.86	409.22	445-2352-2-ND	2,000	393.00/M	C3225C0G2J472J
	630	6800pF	±5%	2.0	445-2353-1-ND	24.01	141.86	409.22	445-2353-2-ND	1,000	393.00	C3225C0G2J682J
	250	10000pF	±5%	1.6	445-2350-1-ND	32.01	189.15	545.63	445-2350-2-ND	2,000	524.00/M	C3225C0G2E103J
	250	15000pF	±5%	2.0	445-2351-1-ND	32.01	189.15	545.63	445-2351-2-ND	1,000	524.00	C3225C0G2E153J
	100	15000pF	±5%	1.25	445-2346-1-ND	24.01	141.86	409.22	445-2346-2-ND	2,000	393.00/M	C3225C0G2A153J
	100	22000pF	±5%	1.6	445-2347-1-ND	24.01	141.86	409.22	445-2347-2-ND	2,000	393.00/M	C3225C0G2A223J
	100	33000pF	±5%	2.0	445-2348-1-ND	32.01	189.15	545.63	445-2348-2-ND	1,000	524.00	C3225C0G2A333J
	100	47000pF	±5%	2.3	445-2349-1-ND	32.01	189.15	545.63	445-2349-2-ND	1,000	524.00	C3225C0G2A473J
	50	22000pF	±5%	1.25	445-2703-1-ND	22.00	130.00	375.00	445-2703-2-ND	2,000	360.00/M	C3225C0G1H223J
	50	33000pF	±5%	1.25	445-2704-1-ND	27.50	162.50	468.75	445-2704-2-ND	2,000	450.00/M	C3225C0G1H333J
	50	47000pF	±5%	2.0	445-2705-1-ND	27.50	162.50	468.75	445-2705-2-ND	1,000	450.00	C3225C0G1H473J
	50	68000pF	±5%	2.0	445-2706-1-ND	33.00	195.00	562.50	445-2706-2-ND	1,000	540.00	C3225C0G1H683J
	50	0.1µF	±5%	2.5	445-2702-1-ND	33.00	195.00	562.50	445-2702-2-ND	1,000	540.00	C3225C0G1H104J
	630	4700pF	±10%	2.0	445-2297-1-ND	12.80	75.66	218.25	445-2297-2-ND	1,000	210.00	C3225X7R2J472K
	250	0.1µF	±10%	2.0	445-2295-1-ND	9.60	56.75	163.69	445-2295-2-ND	1,000	157.00	C3225X7R2E104K
	250	0.22µF	±10%	2.0	445-2296-1-ND	12.80	75.66	218.25	445-2296-2-ND	1,000	210.00	C3225X7R2E224K
	100	0.47µF	±20%	2.0	445-1395-1-ND	21.13	124.84	360.11	445-1395-2-ND	1,000	345.71	C3225X7R2A474M
	100	0.47µF	±10%	2.0	445-2293-1-ND	12.80	75.66	218.25	445-2293-2-ND	1,000	210.00	C3225X7R2A474K
X7R	100	1.0µF	±20%	2.0	445-1429-1-ND	16.50	97.50	281.25	445-1429-2-ND	1,000	270.00	C3225X7R2A105M
	100	1.0µF	±10%	2.0	445-2294-1-ND	16.50	97.50	281.25	445-2294-2-ND	1,000	270.00	C3225X7R2A105K
	50	1.0µF	±10%	1.6	445-1430-1-ND	10.89	64.35	185.63	445-1430-2-ND	1,000	178.20	C3225X7R1H105K
	50	1.0µF	±20%	1.6	445-1396-1-ND	10.67	63.05	181.88	445-1396-2-ND	1,000	174.60	C3225X7R1H105M
	50	2.2µF	±10%	2.5	445-1431-1-ND	11.88	70.20	202.50	445-1431-2-ND	1,000	194.40	C3225X7R1H225K
	50	3.3µF	±20%	2.5	445-1432-1-ND	14.85	87.75	253.13	445-1432-2-ND	1,000	243.00	C3225X7R1H335M
	25	2.2µF	±20%	1.6	445-1397-1-ND	17.93	105.92	305.55	445-1397-2-ND	1,000	293.33	C3225X7R1E225M
	25	4.7µF	±10%	2.0	445-1433-1-ND	21.56	127.41	367.54	445-1433-2-ND	1,000	352.84	C3225X7R1E475K
	25	4.7µF	±20%	2.0	445-1398-1-ND	21.56	127.41	367.54	445-1398-2-ND	1,000	352.84	C3225X7R1E475M
	25	10µF	±20%	2.5	445-1434-1-ND	23.96	141.57	408.38	445-1434-2-ND	1,000	392.04	C3225X7R1E106M
	16	4.7µF	±10%	1.6	445-1435-1-ND	19.38	114.54	330.41	445-1435-2-ND	2,000	317.20/M	C3225X7R1C475K
	16	10µF	±20%	2.0	445-1399-1-ND	16.42	97.05	279.94	445-1399-2-ND	1,000	268.74	C3225X7R1C106M
X5R	16	10µF	±20%	2.0	445-1400-1-ND	16.42	97.05	279.94	445-1400-2-ND	1,000	268.74	C3225X5R1C106M
	16	22µF	±20%	2.5	445-1436-1-ND	14.85	87.75	253.13	445-1436-2-ND	1,000	243.00	C3225X5R1C226M
	10	10µF	±10%	2.0	445-1401-1-ND	17.33	102.38	295.31	445-1401-2-ND	1,000	283.50	C3225X5R1A106K
	10	10µF	±20%	2.0	445-1402-1-ND	18.15	107.25	309.38	445-1402-2-ND	1,000	297.00	C3225X5R1A106M
	10	22µF	±20%	2.3	445-1403-1-ND	33.00	195.00	562.50	445-1403-2-ND	1,000	540.00	C3225X5R1A226M
	6.3	22µF	±20%	2.0	445-1595-1-ND	27.50	162.50	468.75	445-1595-2-ND	1,000	450.00	C3225X5R0J226M/2.00
	6.3	47µF	±20%	2.5	445-1405-1-ND	44.00	260.00	750.00	445-1405-2-ND	1,000	720.00	C3225X5R0J476M
	6.3	100µF	±20%	2.5	445-1437-1-ND	79.20	468.00	1350.00	445-1437-2-ND	1,000	1296.00	C3225X5R0J107M
Y5V	25	10µF	+80/-20%	1.6	445-1598-1-ND	11.88	70.20	202.50	445-1598-2-ND	2,000	194.40/M	C3225Y5V1E106Z/1.60
	16	10µF	+80/-20%	1.15	445-1597-1-ND	8.80	52.00	150.00	445-1597-2-ND	2,000	144.00/M	C3225Y5V1C106Z/1.15
	10	22µF	+80/-20%	2.0	445-1408-1-ND	23.10	136.50	393.75	—	—	—	C3225Y5V1A226Z
	10	22µF	+80/-20%	1.15	445-1596-1-ND	19.94	117.85	339.94	445-1596-2-ND	2,000	326.34/M	C3225Y5V1A226Z/1.15
	10	47µF	+80/-20%	2.0	445-1409-1-ND	66.00	390.00	1125.00	445-1409-2-ND	1,000	1060.00	C3225Y5V1A476Z
	6.3	100µF	+80/-20%	2.5	445-1410-1-ND	72.77	429.98	1240.31	445-1410-2-ND	1,000	1190.70	C3225Y5V0J107Z
X8R	25	2.2µF	±10%	2.0	445-2523-1-ND	13.20	78.00	225.00	445-2523-2-ND	1,000	216.00	C3225X8R1E225K
	25	3.3µF	±10%	2.5	445-2524-1-ND	13.20	78.00	225.00	445-2524-2-ND	1,000	216.00	C3225X8R1E335K
C0G (NP0)	3000	10pF	±1pF	0.85	445-2363-1-ND	15.68	92.63	267.19	445-2363-2-ND	1,000	257.00	C4520C0G3F100F
	3000	12pF	±10%	0.85	445-2364-1-ND	15.68	92.63	267.19	445-2364-2-ND	1,000	257.00	C4520C0G3F120K
	3000	15pF	±10%	1.1	445-2365-1-ND	15.68	92.63	267.19	445-2365-2-ND	1,000	257.00	C4520C0G3F150K
	3000	18pF	±10%	1.1	445-2366-1-ND	15.68	92.63	267.19	445-2366-2-ND	1,000	257.00	C4520C0G3F180K
	3000	22pF	±10%	1.1	445-2367-1-ND	15.68	92.63	267.19	445-2367-2-ND	1,000	257.00	C4520C0G3F220K
	3000	27pF	±10%	1.6	445-2368-1-ND	15.68	92.63	267.19	445-2368-2-ND	1,000	257.00	C4520C0G3F270K
	3000	33pF	±10%	1.6	445-2369-1-ND	15.68	92.63	267.19	445-2369-2-ND	1,000	257.00	C4520C0G3F330K
	3000	39pF	±10%	1.6	445-2370-1-ND	15.68	92.63	267.19	445-2370-2-ND	1,000	257.00	C4520C0G3F390K
	3000	47pF	±10%	1.6	445-2371-1-ND	15.68	92.63	267.19	445-2371-2-ND	1,000	257.00	C4520C0G3F470K
	3000	56pF	±10%	2.0	445-2372-1-ND	15.68	92.63	267.19	445-2372-2-ND	1,000	257.00	C4520C0G3F560K
	3000	68pF	±10%	2.0	445-2373-1-ND	15.68	92.63	267.19	445-2373-2-ND	1,000	257.00	C4520C0G3F680K
	3000	82pF	±10%	2.0	445-2374-1-ND	15.68	92.63	267.19	445-2374-2-ND	1,000	257.00	C4520C0G3F820K
	3000	100pF	±10%	2.0	445-2375-1-ND	15.68	92.63	267.19	445-2375-2-ND	1,000	257.00	C4520C0G3F101K
X7R	2000	470pF	±10%	1.3	445-2385-1-ND	18.03	106.52	307.28	445-2385-2-ND	1,000	295.00	C4520X7R3D471K
	2000	1000pF	±10%	1.3	445-2386-1-ND	18.03	106.52	307.28	445-2386-2-ND	1,000	295.00	C4520X7R3D102K
	1000	470pF	±10%	1.3	445-2383-1-ND	18.03	106.52	307.28	445-2383-2-ND	1,000	295.00	C4520X7R3A471K
	1000	1000pF	±10%	1.3	445-2384-1-ND	18.03	106.52	307.28	445-2384-2-ND	1,000	295.00	C4520X7R3A102K
C0G (NP0)	3000	100pF	±10%	1.6	445-2376-1-ND	19.59	115.78	333.99	445-2376-2-ND	1,000	321.00	C4532C0G3F101K
	3000	120pF	±10%	1.6	445-2377-1-ND	19.59	115.78	333.99	445-2377-2-ND	1,000	321.00	C4532C0G3F121K
	3000	150pF	±10%	1.6	445-2378-1-ND	19.59	115.78	333.99	445-2378-2-ND	1,000	321.00	C4532C0G3F151K
	3000	180pF	±10%	1.6	445-2379-1-ND	19.59	115.78	333.99	445-2379-2-ND	1,000	321.00	C4532C0G3F181K
	3000	220pF	±10%	2.0	445-2380-1-ND	20.38	120.41	347.34	445-2380-2-ND	1,000	333.00	C4532C0G3F221K
	3000	270pF	±10%	2.3	445-2381-1-ND	23.51	138.94	—	445-2381-2-ND	500	192.50	C4532C0G3F271K
	3000	330pF	±10%	2.5	445-2382-1-ND	23.51	138.94	400.78	445-2382-2-ND	1,000	299.00	C4532C0G3F331K
	630	10000pF	±5%	1.6	445-2360-1-ND	64.02	378.30	1091.25	445-2360-2-ND	1,000	1048.00	C4532C0G2J103J
	630	15000pF	±5%	2.5	445-2361-1-ND	64.02	378.30	—	445-2361-2-ND	500	524.00	C4532C0G2J153J
	630	22000pF	±5%	3.2	445-2362-1-ND	64.02	378.30	—	445-2362-2-ND	500	524.00	C4532C0G2J223J
	250	22000pF	±5%	1.6	445-2357-1-ND	56.02	331.01	954.84	445-2357-2-ND	1,000	917.00	C4532C0G2E223J
	250	33000pF	±5%	2.0	445-2358-1-ND	56.02	331.01	954.84	445-2358-2-ND	1,000	917.00	C4532C0G2E333J
	250	47000pF	±5%	3.2	445-2359-1-ND	56.02	331.01	—	445-2359-2-ND	500	458.50	C4532C0G2E473J
	100	47000pF	±5%	2.0	445-2354-1-ND	40.01	236.44	682.03	445-2354-2-ND	1,000	655.00	C4532C0G2A473J
	100	68000pF	±5%	2.5	445-2355-1-ND	48.02	283.73	—	445-2355-2-ND	500	393.00	C4532C0G2A683J
X7R	100	0.1µF	±5%	3.2	445-2356-1-ND	48.02	283.73	—	445-2356-2-ND	500	393.00	C4532C0G2A104J
	50	47000pF	±5%	1.6	445-2710-1-ND	38.50	227.50	656.25	445-2710-2-ND	1,000	630.00	C4532C0G1H473J
	50	68000pF	±5%	1.6	445-2711-1-ND	44.00	260.00	750.00	445-2711-2-ND	1,000	720.00	C4532C0G1H683J
	50	0.1µF	±5%	2.0	445-2707-1-ND	44.00	260.00	750.00	445-2707-2-ND	1,000	720.00	C4532C0G1H104J
	50	0.15µF	±5%	2.5	445-2708-1-ND	49.50	292.50	—	445-2708-2-ND	500	405.00	C4532C0G1H154J
	50	0.22µF	±5%	3.2	445-2709-1-ND	49.50	292.50	—	445-2709-2-ND	500	405.00	C4532C0G1H224J
	1000	2200pF	±10%	1.3	445-2389-1-ND	20.63	121.88	351.56	445-2389-2-ND	1,000	338.00	C4532X7R3D222K
	1000	4700pF	±10%	1.6	445-2387-1-ND	20.63	121.88	351.56	445-2387-2-ND	1,000	338.00	C4532X7R3A472K
	1000	10000pF	±10%	2.0	445-2388-1-ND	20.63	121.88	351.56	445-2388-2-ND	1,000	338.00	C4532X7R3A103K
	630	0.1µF	±10%	2.3	445-2300-1-ND	24.75	146.25	—	445-2300-2-ND	500	202.50	C4532X7R2J104K
	250	0.22µF	±10%	2.3	445-2298-1-ND	24.01	141.86	—	445-2298-2-ND	500	196.50	C4532X7R2E224K
	250	0.47µF	±10%	2.3	445-2299-1-ND	33.00	195.00	—	445-2299-2-ND	500	270.00	C4532X7R2E474K
	100	1.0µF	±10%	2.3	445-1438-1-ND	24.75	146.25	—	445-1438-2-ND	500	202.50	C4532X7R2A105K
	100	1.0µF	±20%	2.3	445-1411-1-ND	37.35	220.68	—	445-1411-2-ND	500	305.55	C4532X7R2A105M
	100	2.2µF	±20%	2.3	445-1439-1-ND	33.00	195.00	—	445-1439-2-ND	500	270.00	C4532X7R2A225M
	50	2.2µF	±20%	1.6	445-1447-1-ND	32.01	189.15	545.63	445-1447-2-ND	1,000	523.80	C4532X7R1H225M

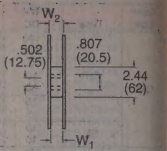
YAGEO Surface Mount Ceramic Multilayer Chip Capacitors – 0402, 0603, 0805, 1206, 1812

Features:
- High capacitance per unit volume
- For high frequency applications
- NiSn terminations

Applications:
- Consumer electronics
- Telecommunications
- Automotive
- Data processing







Dimensions: Inch (mm)

Case Size	L1	W	T Min.	T Max.	L2 and L3 Min.	L2 and L3 Max.	L4 Min.
0402	.040" (1.0mm)	.020" (0.5mm)	.018" (0.45mm)	.022" (0.55mm)	.008" (0.20mm)	.012" (0.30mm)	.016" (0.40mm)
0603	.063" (1.6mm)	.032" (0.8mm)	.029" (0.73mm)	.035" (0.87mm)	.010" (0.25mm)	.026" (0.65mm)	.016" (0.40mm)
0805	.079" (2.0mm)	.049" (1.25mm)	.020" (0.51mm)	.053" (1.35mm)	.010" (0.25mm)	.030" (0.75mm)	.022" (0.55mm)
1206	.126" (3.2mm)	.063" (1.6mm)	.020" (0.51mm)	.069" (1.75mm)	.010" (0.25mm)	.030" (0.75mm)	.056" (1.40mm)
1812	.177" (4.5mm)	.126" (3.2mm)	.020" (0.51mm)	.072" (1.80mm)	.010" (0.25mm)	.030" (0.75mm)	.088" (2.20mm)

Case Size	Tape Width Inch (mm)	A Inch (mm)	W1 Inch (mm)	W2 Max. Inch (mm)
0402, 0603 0805, 1206	.315" (8mm)	7.087" (180mm)	.331" (8.4mm)	.567" (14.4mm)
1812	.472" (12mm)	7.087" (180mm)	.488" (12.4mm)	.724" (18.4mm)

F

Case Size	Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Yageo Part No.
0402	NP0	50	.5pF	±0.25pF	311-1001-1-ND	.95	5.59	16.13	311-1001-2-ND	10,000	15.48/M	CC0402CRNPO9BNR50
		50	1.2pF	±0.25pF	311-1002-1-ND	.99	5.85	16.88	311-1002-2-ND	10,000	16.20/M	CC0402CRNPO9BN1R2
		50	1.5pF	±0.25pF	311-1003-1-ND	.99	5.85	16.88	311-1003-2-ND	10,000	16.20/M	CC0402CRNPO9BN1R5
		50	1.8pF	±0.25pF	311-1004-1-ND	2.06	12.16	35.06	311-1004-2-ND	10,000	33.66/M	CC0402CRNPO9BN1R8
		50	2.0pF	±0.25pF	311-1006-1-ND	2.25	13.27	38.27	311-1006-2-ND	10,000	36.74/M	CC0402CRNPO9BN2R0
		50	2.7pF	±0.25pF	311-1005-1-ND	.99	5.85	16.88	311-1005-2-ND	10,000	16.20/M	CC0402CRNPO9BN2R7
		50	3.0pF	±0.25pF	311-1007-1-ND	.99	5.85	16.88	311-1007-2-ND	10,000	16.20/M	CC0402CRNPO9BN3R0
		50	3.3pF	±0.25pF	311-1008-1-ND	.99	5.85	16.88	311-1008-2-ND	10,000	16.20/M	CC0402CRNPO9BN3R3
		50	5.0pF	±0.25pF	311-1010-1-ND	.99	5.85	16.88	311-1010-2-ND	10,000	16.20/M	CC0402CRNPO9BN5R0
		50	5.6pF	±0.5pF	311-1011-1-ND	2.32	13.69	39.49	311-1011-2-ND	10,000	37.91/M	CC0402DRNPO9BN5R6
		50	8.2pF	±0.5pF	311-1012-1-ND	.99	5.85	16.88	311-1012-2-ND	10,000	16.20/M	CC0402DRNPO9BN8R2
		50	9.1pF	±0.5pF	311-1013-1-ND	.70	4.25	14.00	311-1013-2-ND	10,000	18.00/M	CC0402DRNPO9BN9R1
		50	10pF	±5%	311-1014-1-ND	.77	4.55	13.13	311-1014-2-ND	10,000	12.60/M	CC0402JRNPO9BN100
		50	11pF	±5%	311-1015-1-ND	1.09	6.44	18.56	311-1015-2-ND	10,000	17.82/M	CC0402JRNPO9BN110
		50	12pF	±5%	311-1016-1-ND	.88	5.20	15.00	311-1016-2-ND	10,000	14.40/M	CC0402JRNPO9BN120
		50	15pF	±5%	311-1017-1-ND	.88	5.20	15.00	311-1017-2-ND	10,000	14.40/M	CC0402JRNPO9BN150
		50	22pF	±5%	311-1018-1-ND	.88	5.20	15.00	311-1018-2-ND	10,000	14.40/M	CC0402JRNPO9BN220
		50	27pF	±5%	311-1019-1-ND	.94	5.53	15.94	311-1019-2-ND	10,000	15.30/M	CC0402JRNPO9BN270
		50	33pF	±5%	311-1020-1-ND	.94	5.53	15.94	311-1020-2-ND	10,000	15.30/M	CC0402JRNPO9BN330
		50	39pF	±5%	311-1009-1-ND	.84	4.94	14.25	311-1009-2-ND	10,000	13.68/M	CC0402JRNPO9BN390
		50	47pF	±5%	311-1021-1-ND	.88	5.20	15.00	311-1021-2-ND	10,000	14.40/M	CC0402JRNPO9BN470
		50	56pF	±5%	311-1022-1-ND	.94	5.53	15.94	311-1022-2-ND	10,000	15.30/M	CC0402JRNPO9BN560
		50	82pF	±5%	311-1023-1-ND	.99	5.85	16.88	311-1023-2-ND	10,000	16.20/M	CC0402JRNPO9BN820
		50	100pF	±5%	311-1024-1-ND	.83	4.88	14.06	311-1024-2-ND	10,000	13.50/M	CC0402JRNPO9BN101
		50	150pF	±5%	311-1025-1-ND	.77	4.68	15.40	311-1025-2-ND	10,000	19.80/M	CC0402JRNPO9BN151
		25	220pF	±5%	311-1026-1-ND	.99	5.85	16.88	311-1026-2-ND	10,000	16.20/M	CC0402JRNPO8BN221
	X7R	50	220pF	±10%	311-1035-1-ND	.77	4.55	13.13	311-1035-2-ND	10,000	12.60/M	CC0402KRX7R9BB221
		50	330pF	±10%	311-1027-1-ND	.77	4.55	13.13	311-1027-2-ND	10,000	12.60/M	CC0402KRX7R9BB331
		50	470pF	±10%	311-1028-1-ND	.77	4.55	13.13	311-1028-2-ND	10,000	12.60/M	CC0402KRX7R9BB471
		50	560pF	±10%	311-1029-1-ND	.77	4.55	13.13	311-1029-2-ND	10,000	12.60/M	CC0402KRX7R9BB561
		50	680pF	±10%	311-1030-1-ND	.77	4.55	13.13	311-1030-2-ND	10,000	12.60/M	CC0402KRX7R9BB681
		50	1200pF	±10%	311-1031-1-ND	.77	4.55	13.13	311-1031-2-ND	10,000	12.60/M	CC0402KRX7R9BB122
		50	1500pF	±10%	311-1032-1-ND	.77	4.55	13.13	311-1032-2-ND	10,000	12.60/M	CC0402KRX7R9BB152
		50	2700pF	±10%	311-1033-1-ND	.77	4.55	13.13	311-1033-2-ND	10,000	12.60/M	CC0402KRX7R9BB272
		50	3300pF	±10%	311-1034-1-ND	.83	4.88	14.06	311-1034-2-ND	10,000	13.50/M	CC0402KRX7R9BB332
		50	1000pF	±10%	311-1036-1-ND	.83	4.88	14.06	311-1036-2-ND	10,000	13.50/M	CC0402KRX7R9BB102
		50	2200pF	±10%	311-1037-1-ND	.77	4.55	13.13	311-1037-2-ND	10,000	12.60/M	CC0402KRX7R9BB222
		25	3900pF	±10%	311-1038-1-ND	.83	4.88	14.06	311-1038-2-ND	10,000	13.50/M	CC0402KRX7R8BB392
		25	4700pF	±10%	311-1039-1-ND	.77	4.55	13.13	311-1039-2-ND	10,000	12.60/M	CC0402KRX7R8BB472
		16	5600pF	±10%	311-1040-1-ND	.77	4.55	13.13	311-1040-2-ND	10,000	12.60/M	CC0402KRX7R7BB562
		16	8200pF	±10%	311-1041-1-ND	.94	5.53	15.94	311-1041-2-ND	10,000	15.30/M	CC0402KRX7R7BB822
		16	10000pF	±10%	311-1042-1-ND	.77	4.55	13.13	311-1042-2-ND	10,000	12.60/M	CC0402KRX7R7BB103
	Y5V	16	22000pF	-20%/+80%	311-1043-1-ND	.86	5.07	14.63	311-1043-2-ND	10,000	14.04/M	CC0402ZRY5V7BB223
		16	33000pF	-20%/+80%	311-1044-1-ND	.88	5.20	15.00	311-1044-2-ND	10,000	14.40/M	CC0402ZRY5V7BB333
		16	10000pF	-20%/+80%	311-1045-1-ND	.74	4.36	12.56	311-1045-2-ND	10,000	12.06/M	CC0402ZRY5V7BB103
		16	47000pF	-20%/+80%	311-1046-1-ND	.94	5.53	15.94	311-1046-2-ND	10,000	15.30/M	CC0402ZRY5V7BB473
		16	.10µF	-20%/+80%	311-1047-1-ND	.88	5.20	15.00	311-1047-2-ND	10,000	14.40/M	CC0402ZRY5V7BB104
0603	NP0	50	.5pF	±0.25pF	311-1048-1-ND	.75	4.42	12.75	311-1048-2-ND	4,000	12.24/M	CC0603CRNPO9BNR50
		50	1.0pF	±0.25pF	311-1049-1-ND	.66	3.90	11.25	311-1049-2-ND	4,000	10.80/M	CC0603CRNPO9BN1R0
		50	1.5pF	±0.25pF	311-1050-1-ND	.66	3.90	11.25	311-1050-2-ND	4,000	10.80/M	CC0603CRNPO9BN1R5
		50	2.0pF	±0.25pF	311-1051-1-ND	.72	4.23	12.19	311-1051-2-ND	4,000	11.70/M	CC0603CRNPO9BN2R0
		50	3.0pF	±0.25pF	311-1052-1-ND	.72	4.23	12.19	311-1052-2-ND	4,000	11.70/M	CC0603CRNPO9BN3R0
		50	4.0pF	±0.25pF	311-1053-1-ND	.75	4.42	12.75	311-1053-2-ND	4,000	12.24/M	CC0603CRNPO9BN4R0
		50	5.0pF	±0.25pF	311-1054-1-ND	.72	4.23	12.19	311-1054-2-ND	4,000	11.70/M	CC0603CRNPO9BN5R0
		50	6.0pF	±0.5pF	311-1055-1-ND	.66	3.90	11.25	311-1055-2-ND	4,000	10.80/M	CC0603DRNPO9BN6R0
		50	7.0pF	±0.5pF	311-1056-1-ND	.75	4.42	12.75	311-1056-2-ND	4,000	12.24/M	CC0603DRNPO9BN7R0
		50	8.0pF	±0.5pF	311-1057-1-ND	.75	4.42	12.75	311-1057-2-ND	4,000	12.24/M	CC0603DRNPO9BN8R0
		50	10pF	±5%	311-1058-1-ND	.57	3.38	9.75	311-1058-2-ND	4,000	9.36/M	CC0603JRNPO9BN100
		50	12pF	±5%	311-1059-1-ND	.55	3.25	9.38	311-1059-2-ND	4,000	9.00/M	CC0603JRNPO9BN120
		50	15pF	±5%	311-1060-1-ND	.57	3.38	9.75	311-1060-2-ND	4,000	9.36/M	CC0603JRNPO9BN150
		50	18pF	±5%	311-1061-1-ND	.57	3.38	9.75	311-1061-2-ND	4,000	9.36/M	CC0603JRNPO9BN180
		50	22pF	±5%	311-1062-1-ND	.58	3.45	9.94	311-1062-2-ND	4,000	9.54/M	CC0603JRNPO9BN220
		50	27pF	±5%	311-1063-1-ND	.66	3.90	11.25	311-1063-2-ND	4,000	10.80/M	CC0603JRNPO9BN270
		50	33pF	±5%	311-1064-1-ND	.65	3.84	11.06	311-1064-2-ND	4,000	10.62/M	CC0603JRNPO9BN330

(Continued)

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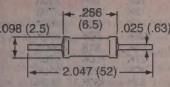
Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing 10	100*	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Yageo Part No.
	50	47pF	±5%	311-1065-1-ND	.65	3.84	11.06	311-1065-2-ND	4,000	10.62/M	CC0603JRNPO9BN470
	50	56pF	±5%	311-1066-1-ND	.68	4.03	11.63	311-1066-2-ND	4,000	11.16/M	CC0603JRNPO9BN560
	50	68pF	±5%	311-1067-1-ND	.68	4.03	11.63	311-1067-2-ND	4,000	11.16/M	CC0603JRNPO9BN680
	50	82pF	±5%	311-1068-1-ND	.73	4.29	12.38	311-1068-2-ND	4,000	11.88/M	CC0603JRNPO9BN820
	50	100pF	±5%	311-1069-1-ND	.62	3.64	10.50	311-1069-2-ND	4,000	10.08/M	CC0603JRNPO9BN101
NP0	50	120pF	±5%	311-1070-1-ND	.73	4.29	12.38	311-1070-2-ND	4,000	11.88/M	CC0603JRNPO9BN121
	50	150pF	±5%	311-1071-1-ND	.86	5.07	14.63	311-1071-2-ND	4,000	14.04/M	CC0603JRNPO9BN151
	50	180pF	±5%	311-1072-1-ND	.94	5.53	15.94	311-1072-2-ND	4,000	15.30/M	CC0603JRNPO9BN181
	50	220pF	±5%	311-1073-1-ND	1.02	6.05	17.44	311-1073-2-ND	4,000	16.74/M	CC0603JRNPO9BN221
	50	270pF	±5%	311-1074-1-ND	.70	4.25	14.00	311-1074-2-ND	4,000	15.00/M	CC0603JRNPO9BN271
	50	330pF	±5%	311-1075-1-ND	.77	4.68	15.40	311-1075-2-ND	4,000	16.50/M	CC0603JRNPO9BN331
	50	390pF	±5%	311-1076-1-ND	.84	5.10	16.80	311-1076-2-ND	4,000	18.00/M	CC0603JRNPO9BN391
	50	220pF	±10%	311-1077-1-ND	.55	3.25	9.38	311-1077-2-ND	4,000	9.00/M	CC0603KRX7R9BB221
	50	270pF	±10%	311-1185-1-ND	.55	3.25	9.38	311-1185-2-ND	4,000	9.00/M	CC0603KRX7R9BB271
	50	330pF	±10%	311-1186-1-ND	.55	3.25	9.38	311-1186-2-ND	4,000	9.00/M	CC0603KRX7R9BB331
	50	390pF	±10%	311-1187-1-ND	.55	3.25	9.38	311-1187-2-ND	4,000	9.00/M	CC0603KRX7R9BB391
	50	470pF	±10%	311-1078-1-ND	.55	3.25	9.38	311-1078-2-ND	4,000	9.00/M	CC0603KRX7R9BB471
	50	560pF	±10%	311-1079-1-ND	.55	3.25	9.38	311-1079-2-ND	4,000	9.00/M	CC0603KRX7R9BB561
	50	680pF	±10%	311-1188-1-ND	.55	3.25	9.38	311-1188-2-ND	4,000	9.00/M	CC0603KRX7R9BB681
	50	820pF	±10%	311-1189-1-ND	.55	3.25	9.38	311-1189-2-ND	4,000	9.00/M	CC0603KRX7R9BB821
X7R	50	1000pF	±10%	311-1080-1-ND	.55	3.25	9.38	311-1080-2-ND	4,000	9.00/M	CC0603KRX7R9BB102
	50	1500pF	±10%	311-1184-1-ND	.57	3.38	9.75	311-1184-2-ND	4,000	9.36/M	CC0603KRX7R9BB152
	50	2200pF	±10%	311-1081-1-ND	.55	3.25	9.38	311-1081-2-ND	4,000	9.00/M	CC0603KRX7R9BB222
	50	3300pF	±10%	311-1082-1-ND	.57	3.38	9.75	311-1082-2-ND	4,000	9.36/M	CC0603KRX7R9BB332
	50	4700pF	±10%	311-1083-1-ND	.55	3.25	9.38	311-1083-2-ND	4,000	9.00/M	CC0603KRX7R9BB472
	50	6800pF	±10%	311-1084-1-ND	.54	3.19	9.19	311-1084-2-ND	4,000	8.82/M	CC0603KRX7R9BB682
	50	10000pF	±10%	311-1085-1-ND	.59	3.51	10.13	311-1085-2-ND	4,000	9.72/M	CC0603KRX7R9BB103
	25	22000pF	±10%	311-1086-1-ND	.88	5.20	15.00	311-1086-2-ND	4,000	14.40/M	CC0603KRX7R8BB223
	16	.10µF	±10%	311-1088-1-ND	1.05	6.18	17.81	311-1088-2-ND	4,000	17.10/M	CC0603KRX7R7BB104
Y5V	25	.10µF	-20%/+80%	311-1087-1-ND	.64	3.77	10.88	311-1087-2-ND	4,000	10.44/M	CC0603ZRY5V8BB104
	50	1.0pF	±0.25pF	311-1089-1-ND	.75	4.42	12.75	311-1089-2-ND	4,000	12.24/M	CC0805CRNPO9BN1R0
	50	1.5pF	±0.25pF	311-1090-1-ND	.75	4.42	12.75	311-1090-2-ND	4,000	12.24/M	CC0805CRNPO9BN1R5
	50	2.0pF	±0.25pF	311-1091-1-ND	.81	4.81	13.88	311-1091-2-ND	4,000	13.32/M	CC0805CRNPO9BN2R0
	50	3.0pF	±0.25pF	311-1092-1-ND	.81	4.81	13.88	311-1092-2-ND	4,000	13.32/M	CC0805CRNPO9BN3R0
	50	4.0pF	±0.25pF	311-1093-1-ND	.81	4.81	13.88	311-1093-2-ND	4,000	13.32/M	CC0805CRNPO9BN4R0
	50	.50pF	±0.25pF	311-1094-1-ND	.86	5.07	14.63	311-1094-2-ND	4,000	14.04/M	CC0805CRNPO9BNR50
	50	6.0pF	±0.5pF	311-1095-1-ND	.81	4.81	13.88	311-1095-2-ND	4,000	13.32/M	CC0805DRNPO9BN6R0
	50	7.0pF	±0.5pF	311-1096-1-ND	.81	4.81	13.88	311-1096-2-ND	4,000	13.32/M	CC0805DRNPO9BN7R0
	50	8.0pF	±0.5pF	311-1097-1-ND	.81	4.81	13.88	311-1097-2-ND	4,000	13.32/M	CC0805DRNPO9BN8R0
	50	9.0pF	±0.5pF	311-1098-1-ND	.81	4.81	13.88	311-1098-2-ND	4,000	13.32/M	CC0805DRNPO9BN9R0
	50	10pF	±5%	311-1099-1-ND	.66	3.90	11.25	311-1099-2-ND	4,000	10.80/M	CC0805JRNPO9BN100
	50	12pF	±5%	311-1100-1-ND	.75	4.42	12.75	311-1100-2-ND	4,000	12.24/M	CC0805JRNPO9BN120
	50	15pF	±5%	311-1101-1-ND	.75	4.42	12.75	311-1101-2-ND	4,000	12.24/M	CC0805JRNPO9BN150
	50	18pF	±5%	311-1102-1-ND	.75	4.42	12.75	311-1102-2-ND	4,000	12.24/M	CC0805JRNPO9BN180
	50	22pF	±5%	311-1103-1-ND	.67	3.97	11.44	311-1103-2-ND	4,000	10.98/M	CC0805JRNPO9BN220
	50	27pF	±5%	311-1104-1-ND	.75	4.42	12.75	311-1104-2-ND	4,000	12.24/M	CC0805JRNPO9BN270
NP0	50	33pF	±5%	311-1105-1-ND	.76	4.49	12.94	311-1105-2-ND	4,000	12.42/M	CC0805JRNPO9BN330
	50	39pF	±5%	311-1106-1-ND	.77	4.55	13.13	311-1106-2-ND	4,000	12.60/M	CC0805JRNPO9BN390
	50	47pF	±5%	311-1107-1-ND	.78	4.62	13.31	311-1107-2-ND	4,000	12.78/M	CC0805JRNPO9BN470
	50	56pF	±5%	311-1108-1-ND	.81	4.81	13.88	311-1108-2-ND	4,000	13.32/M	CC0805JRNPO9BN560
	50	68pF	±5%	311-1109-1-ND	.83	4.88	14.06	311-1109-2-ND	4,000	13.50/M	CC0805JRNPO9BN680
	50	82pF	±5%	311-1110-1-ND	.99	5.85	16.88	311-1110-2-ND	4,000	16.20/M	CC0805JRNPO9BN820
	50	100pF	±5%	311-1111-1-ND	.95	5.62	16.20	311-1111-2-ND	4,000	15.56/M	CC0805JRNPO9BN101
	50	120pF	±5%	311-1112-1-ND	.97	5.72	16.50	311-1112-2-ND	4,000	15.84/M	CC0805JRNPO9BN121
	50	150pF	±5%	311-1113-1-ND	.97	5.72	16.50	311-1113-2-ND	4,000	15.84/M	CC0805JRNPO9BN151
	50	180pF	±5%	311-1114-1-ND	.99	5.85	16.88	311-1114-2-ND	4,000	16.20/M	CC0805JRNPO9BN181
	50	220pF	±5%	311-1115-1-ND	.99	5.85	16.88	311-1115-2-ND	4,000	16.20/M	CC0805JRNPO9BN221
	50	270pF	±5%	311-1116-1-ND	.76	4.59	15.12	311-1116-2-ND	4,000	16.20/M	CC0805JRNPO9BN271
	50	330pF	±5%	311-1117-1-ND	1.01	5.98	17.25	311-1117-2-ND	4,000	16.56/M	CC0805JRNPO9BN331
	50	390pF	±5%	311-1118-1-ND	.70	4.25	14.00	311-1118-2-ND	4,000	15.00/M	CC0805JRNPO9BN391
	50	470pF	±5%	311-1119-1-ND	.77	4.68	15.40	311-1119-2-ND	4,000	16.50/M	CC0805JRNPO9BN471
	50	560pF	±5%	311-1120-1-ND	.84	5.10	16.80	311-1120-2-ND	4,000	18.00/M	CC0805JRNPO9BN561
	50	680pF	±5%	311-1121-1-ND	.92	5.61	18.48	311-1121-2-ND	4,000	19.80/M	CC0805JRNPO9BN681
	50	1000pF	±5%	311-1122-1-ND	1.05	6.38	21.00	311-1122-2-ND	4,000	22.50/M	CC0805JRNPO9BN102
	50	220pF	±10%	311-1123-1-ND	.61	3.58	10.31	311-1123-2-ND	4,000	9.90/M	CC0805KRX7R9BB221
	50	270pF	±10%	311-1191-1-ND	.77	4.55	13.13	311-1191-2-ND	4,000	12.60/M	CC0805KRX7R9BB271
	50	330pF	±10%	311-1192-1-ND	.77	4.55	13.13	311-1192-2-ND	4,000	12.60/M	CC0805KRX7R9BB331
	50	390pF	±10%	311-1193-1-ND	.77	4.55	13.13	311-1193-2-ND	4,000	12.60/M	CC0805KRX7R9BB391
	50	470pF	±10%	311-1124-1-ND	.64	3.77	10.88	311-1124-2-ND	4,000	10.44/M	CC0805KRX7R9BB471
	50	560pF	±10%	311-1125-1-ND	.64	3.77	10.88	311-1125-2-ND	4,000	10.44/M	CC0805KRX7R9BB561
	50	680pF	±10%	311-1126-1-ND	.64	3.77	10.88	311-1126-2-ND	4,000	10.44/M	CC0805KRX7R9BB681
X7R	50	820pF	±10%	311-1194-1-ND	.77	4.55	13.13	311-1194-2-ND	4,000	12.60/M	CC0805KRX7R9BB821
	50	1000pF	±10%	311-1127-1-ND	.64	3.77	10.88	311-1127-2-ND	4,000	10.44/M	CC0805KRX7R9BB102
	50	1500pF	±10%	311-1128-1-ND	.64	3.77	10.88	311-1128-2-ND	4,000	10.44/M	CC0805KRX7R9BB152
	50	2200pF	±10%	311-1129-1-ND	.61	3.58	10.31	311-1129-2-ND	4,000	9.90/M	CC0805KRX7R9BB222
	50	2700pF	±10%	311-1130-1-ND	.61	3.58	10.31	311-1130-2-ND	4,000	9.90/M	CC0805KRX7R9BB272
	50	3300pF	±10%	311-1131-1-ND	.64	3.77	10.88	311-1131-2-ND	4,000	10.44/M	CC0805KRX7R9BB332
	50	3900pF	±10%	311-1132-1-ND	.64	3.77	10.88	311-1132-2-ND	4,000	10.44/M	CC0805KRX7R9BB392
	50	4700pF	±10%	311-1133-1-ND	.64	3.77	10.88	311-1133-2-ND	4,000	10.44/M	CC0805KRX7R9BB472

(Continued)

Case Size	Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Size	Pricing	Yageo Part No.
0805	X7R	50	5600pF	±10%	311-1134-1-ND	.64	3.77	10.88	311-1134-2-ND	4,000	10.44/M	CC0805KRX7R9BB562
		50	6800pF	±10%	311-1135-1-ND	.57	3.38	9.75	311-1135-2-ND	4,000	9.36/M	CC0805KRX7R9BB682
		50	10000pF	±10%	311-1136-1-ND	.66	3.90	11.25	311-1136-2-ND	4,000	10.80/M	CC0805KRX7R9BB103
		50	18000pF	±10%	311-1137-1-ND	.66	3.90	11.25	311-1137-2-ND	4,000	10.80/M	CC0805KRX7R9BB183
		50	22000pF	±10%	311-1138-1-ND	.77	4.55	13.13	311-1138-2-ND	4,000	12.60/M	CC0805KRX7R9BB223
		50	27000pF	±10%	311-1139-1-ND	.83	4.88	14.06	311-1139-2-ND	4,000	13.50/M	CC0805KRX7R9BB273
		50	.10µF	±10%	311-1140-1-ND	.91	5.53	18.20	311-1140-2-ND	4,000	19.50/M	CC0805KRX7R9BB104
		25	.10µF	±10%	311-1141-1-ND	.69	4.21	13.86	311-1141-2-ND	4,000	14.85/M	CC0805KRX7R8BB104
		16	.10µF	±10%	311-1142-1-ND	.82	4.97	16.38	311-1142-2-ND	4,000	17.55/M	CC0805KRX7R7BB104
		50	15000pF	±10%	311-1143-1-ND	.66	3.90	11.25	311-1143-2-ND	4,000	10.80/M	CC0805KRX7R9BB153
	Y5V	10	3.3µF	±20%+80%	311-1190-1-ND	1.75	11.78	39.90	311-1190-2-ND	3,000	51.30/M	CC0805ZKY5V6BB335
	NP0	50	.5pF	±0.25pF	311-1145-1-ND	.98	5.95	19.60	311-1145-2-ND	4,000	21.00/M	CC1206CRNPO9BNR50
		50	1pF	±0.25pF	311-1212-1-ND	.92	6.20	21.00	311-1212-2-ND	4,000	27.00/M	CC1206CRNPO9BN1R0
		50	1.5pF	±0.25pF	311-1214-1-ND	.92	6.20	21.00	311-1214-2-ND	4,000	27.00/M	CC1206CRNPO9BN1R5
		50	1.8pF	±0.25pF	311-1215-1-ND	.92	6.20	21.00	311-1215-2-ND	4,000	27.00/M	CC1206CRNPO9BN1R8
		50	2.2pF	±0.25pF	311-1146-1-ND	.95	5.78	19.04	311-1146-2-ND	4,000	20.40/M	CC1206CRNPO9BN2R2
		50	2.7pF	±0.25pF	311-1216-1-ND	.92	6.20	21.00	311-1216-2-ND	4,000	27.00/M	CC1206CRNPO9BN2R7
		50	3.3pF	±0.25pF	311-1147-1-ND	.95	5.74	18.90	311-1147-2-ND	4,000	20.25/M	CC1206CRNPO9BN3R3
		50	3.9pF	±0.25pF	311-1217-1-ND	.92	6.20	21.00	311-1217-2-ND	4,000	27.00/M	CC1206CRNPO9BN3R9
		50	4.7pF	±0.25pF	311-1218-1-ND	.92	6.20	21.00	311-1218-2-ND	4,000	27.00/M	CC1206CRNPO9BN4R7
		50	5.6pF	±0.25pF	311-1149-1-ND	.95	5.74	18.90	311-1149-2-ND	4,000	20.25/M	CC1206CRNPO9BN5R6
		50	6.8pF	±0.5pF	311-1220-1-ND	.92	6.20	21.00	311-1220-2-ND	4,000	27.00/M	CC1206DRNPO9BN6R8
		50	7.5pF	±0.5pF	311-1221-1-ND	1.04	6.98	23.63	—	—	—	CC1206DRNPO9BN7R5
		50	8.2pF	±0.5pF	311-1222-1-ND	.92	6.20	21.00	311-1222-2-ND	4,000	27.00/M	CC1206DRNPO9BN8R2
		50	9.1pF	±0.5pF	311-1223-1-ND	1.15	7.75	26.25	311-1223-2-ND	4,000	33.75/M	CC1206DRNPO9BN9R1
		50	10pF	±5%	311-1150-1-ND	.90	5.48	18.06	311-1150-2-ND	4,000	19.35/M	CC1206JRNPO9BN100
		50	12pF	±5%	311-1213-1-ND	1.33	8.08	26.60	311-1213-2-ND	4,000	28.50/M	CC1206JRNPO9BN120
		50	15pF	±5%	311-1151-1-ND	1.45	8.83	29.09	311-1151-2-ND	4,000	31.17/M	CC1206JRNPO9BN150
		50	18pF	±5%	311-1152-1-ND	1.70	10.33	34.02	311-1152-2-ND	4,000	36.45/M	CC1206JRNPO9BN180
		50	20pF	±5%	311-1153-1-ND	.95	5.74	18.90	311-1153-2-ND	4,000	20.25/M	CC1206JRNPO9BN200
		50	22pF	±5%	311-1154-1-ND	.97	5.91	19.46	311-1154-2-ND	4,000	20.85/M	CC1206JRNPO9BN220
		50	27pF	±5%	311-1155-1-ND	1.74	10.59	34.87	311-1155-2-ND	4,000	37.37/M	CC1206JRNPO9BN270
		50	33pF	±5%	311-1156-1-ND	1.35	8.22	27.08	311-1156-2-ND	4,000	29.01/M	CC1206JRNPO9BN330
		50	39pF	±5%	311-1157-1-ND	1.08	6.53	21.50	311-1157-2-ND	4,000	23.04/M	CC1206JRNPO9BN390
		50	47pF	±5%	311-1158-1-ND	.98	5.95	19.60	311-1158-2-ND	4,000	21.00/M	CC1206JRNPO9BN470
		50	51pF	±5%	311-1219-1-ND	1.56	10.54	35.70	311-1219-2-ND	4,000	45.90/M	CC1206JRNPO9BN510
		50	56pF	±5%	311-1159-1-ND	1.17	7.12	23.46	311-1159-2-ND	4,000	25.14/M	CC1206JRNPO9BN560
		50	68pF	±5%	311-1160-1-ND	1.12	6.80	22.40	311-1160-2-ND	4,000	24.00/M	CC1206JRNPO9BN680
		50	100pF	±5%	311-1161-1-ND	1.05	6.38	21.00	311-1161-2-ND	4,000	22.50/M	CC1206JRNPO9BN101
		50	120pF	±5%	311-1162-1-ND	1.17	7.11	23.42	311-1162-2-ND	4,000	25.10/M	CC1206JRNPO9BN121
		50	1000pF	±5%	311-1163-1-ND	1.10	7.44	25.20	311-1163-2-ND	4,000	32.40/M	CC1206JRNPO9BN102
1206	X7R	1KV	1000pF	±10%	311-1144-1-ND	1.99	14.20	51.12	311-1144-2-ND	3,000	73.84/M	CC1206KKX7RCBB102
		50	220pF	±10%	311-1164-1-ND	.90	5.48	18.06	311-1164-2-ND	4,000	19.35/M	CC1206KRX7R9BB221
		50	270pF	±10%	311-1165-1-ND	.90	5.48	18.06	311-1165-2-ND	4,000	19.35/M	CC1206KRX7R9BB271
		50	330pF	±10%	311-1166-1-ND	.90	5.48	18.06	311-1166-2-ND	4,000	19.35/M	CC1206KRX7R9BB331
		50	390pF	±10%	311-1205-1-ND	.98	5.95	19.60	311-1205-2-ND	4,000	21.00/M	CC1206KRX7R9BB391
		50	470pF	±10%	311-1167-1-ND	.84	5.10	16.80	311-1167-2-ND	4,000	18.00/M	CC1206KRX7R9BB471
		50	560pF	±10%	311-1168-1-ND	.84	5.10	16.80	311-1168-2-ND	4,000	18.00/M	CC1206KRX7R9BB561
		50	680pF	±10%	311-1169-1-ND	.84	5.10	16.80	311-1169-2-ND	4,000	18.00/M	CC1206KRX7R9BB681
		50	820pF	±10%	311-1210-1-ND	.95	5.74	18.90	311-1210-2-ND	4,000	20.25/M	CC1206KRX7R9BB821
		50	1000pF	±10%	311-1170-1-ND	.84	5.10	16.80	311-1170-2-ND	4,000	18.00/M	CC1206KRX7R9BB102
		50	1200pF	±10%	311-1197-1-ND	.98	5.95	19.60	311-1197-2-ND	4,000	21.00/M	CC1206KRX7R9BB122
		50	1500pF	±10%	311-1200-1-ND	.98	5.95	19.60	311-1200-2-ND	4,000	21.00/M	CC1206KRX7R9BB152
		50	1800pF	±10%	311-1201-1-ND	.98	5.95	19.60	311-1201-2-ND	4,000	21.00/M	CC1206KRX7R9BB182
		50	2200pF	±10%	311-1171-1-ND	.90	5.48	18.06	311-1171-2-ND	4,000	19.35/M	CC1206KRX7R9BB222
		50	2700pF	±10%	311-1203-1-ND	.98	5.95	19.60	311-1203-2-ND	4,000	21.00/M	CC1206KRX7R9BB272
		50	3300pF	±10%	311-1172-1-ND	.90	5.48	18.06	311-1172-2-ND	4,000	19.35/M	CC1206KRX7R9BB332
		50	3900pF	±10%	311-1206-1-ND	.98	5.95	19.60	311-1206-2-ND	4,000	21.00/M	CC1206KRX7R9BB392
		50	4700pF	±10%	311-1173-1-ND	.84	5.10	16.80	311-1173-2-ND	4,000	18.00/M	CC1206KRX7R9BB472
		50	5600pF	±10%	311-1208-1-ND	1.05	6.38	21.00	311-1208-2-ND	4,000	22.50/M	CC1206KRX7R9BB562
		50	6800pF	±10%	311-1209-1-ND	1.05	6.38	21.00	311-1209-2-ND	4,000	22.50/M	CC1206KRX7R9BB682
		50	8200pF	±10%	311-1211-1-ND	1.12	6.80	22.40	311-1211-2-ND	4,000	24.00/M	CC1206KRX7R9BB822
		50	10000pF	±10%	311-1174-1-ND	.84	5.10	16.80	311-1174-2-ND	4,000	18.00/M	CC1206KRX7R9BB103
		50	12000pF	±10%	311-1198-1-ND	1.87	11.34	37.35	311-1198-2-ND	4,000	40.02/M	CC1206KRX7R9BB123
		50	15000pF	±10%	311-1175-1-ND	.90	5.48	18.06	311-1175-2-ND	4,000	19.35/M	CC1206KRX7R9BB153
		50	18000pF	±10%	311-1202-1-ND	1.33	8.08	26.60	311-1202-2-ND	4,000	28.50/M	CC1206KRX7R9BB183
		50	22000pF	±10%	311-1176-1-ND	.97	5.91	19.46	311-1176-2-ND	4,000	20.85/M	CC1206KRX7R9BB223
		50	27000pF	±10%	311-1204-1-ND	.92	6.20	21.00	311-1204-2-ND	4,000	27.00/M	CC1206KRX7R9BB273
		50	33000pF	±10%	311-1177-1-ND	.90	5.48	18.06	311-1177-2-ND	4,000	19.35/M	CC1206KRX7R9BB333
		50	39000pF	±10%	311-1207-1-ND	.92	6.20	21.00	311-1207-2-ND	4,000	27.00/M	CC1206KRX7R9BB393
		50	47000pF	±10%	311-1178-1-ND	1.04	6.33	20.86	311-1178-2-ND	4,000	22.35/M	CC1206KRX7R9BB473
		50	.10µF	±10%	311-1179-1-ND	.98	5.95	19.60	311-1179-2-ND	4,000	21.00/M	CC1206KRX7R9BB104
		25	.33µF	±10%	311-1180-1-ND	2.30	16.23	56.05	311-1180-2-ND	3,000	76.70/M	CC1206KKX7R8BB334
		16	1.0µF	±10%	311-1181-1-ND	2.45	17.50	63.00	311-1181-2-ND	3,000	91.00/M	CC1206KKX7R7BB105
		10	1.2µF	±10%	311-1199-1-ND	3.08	22.00	79.20	311-1199-2-ND	4,000	114.40/M	CC1206KRX7R6BB125
	Y5V	16	3.3µF	±20%+80%	311-1196-1-ND	1.75	11.78	39.90	311-1196-2-ND	3,000	51.30/M	CC1206ZKY5V7BB335
1812	NP0	3KV	220pF	±5%	311-1182-1-ND	6.08	44.65	161.50	311-1182-2-ND	1,500	247.00/M	CC1812JKNPOEBN221
	X7R	1KV	1000pF	±10%	311-1183-1-ND	4.42	32.43	117.30	311-1183-2-ND	1,000	179.40	CC1812KKX7RCBB102

SFR25 Type 1% Metal Film Fixed Resistors — .40 Watt 5043ED Series



omogeneous film of metal alloy is deposit-
on a high grade ceramic body. After a heli-
groove has been cut in the resistive layer,
ed connecting wires of electrolytic copper
welded to the end-caps. The resistors are
ated with non-flammable light green, lac-
er, which provides electrical, mechanical
d climactic protection. The encapsulation
esistant to all cleaning solvents in accor-
nce with "MIL-STD-202E, Method 215" and
C 60068-2-45".

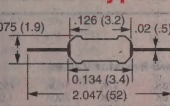
HARACTERISTICS:
esistance Tolerance: ±1% • **Temperature**
efficient: R≤1MΩ = ±100 ppm/°C, R>1MΩ =
50ppm/°C • **Absolute Maximum Dissi-**
tion at TAMB = 70°C: 0.40W • **Thermal**
sistance, RTH: 200K/W • **Maximum Con-**
uous Operating Voltage: 250V (DC or
MS) • **Noise R ≤ 1 MΩ:** Maximum 0.1
/V • **Operating Temperature Range:**
°C ~ 155°C

Phoenix Passive Components Standard Resistor Values

10.0	46.4	118	280	619	1.24K	2.43K	4.64K	8.06K	16.9K	34.8K	68.1K	200K	432K	1.58M
10.2	47.5	121	294	649	1.27K	2.49K	4.75K	8.25K	17.4K	35.7K	71.5K	210K	442K	1.60M
11.0	49.9	124	301	665	1.30K	2.55K	4.87K	9.09K	18.2K	36.0K	75.0K	221K	464K	1.62M
11.3	51.1	127	324	681	1.33K	2.67K	4.99K	9.53K	18.7K	37.4K	78.7K	226K	475K	1.65M
11.5	53.6	133	332	698	1.40K	2.74K	5.10K	9.76K	19.6K	38.3K	82.5K	232K	499K	1.78M
13.0	56.2	140	340	715	1.43K	2.87K	5.11K	10.0K	20.0K	39.2K	86.6K	243K	511K	1.80M
15.0	57.6	150	348	750	1.47K	2.94K	5.23K	10.2K	20.5K	40.2K	88.7K	249K	562K	1.82M
18.2	60.4	158	374	768	1.50K	3.01K	5.36K	10.7K	21.5K	41.2K	90.9K	255K	604K	1.96M
19.1	61.9	169	392	787	1.54K	3.09K	5.49K	11.0K	22.1K	42.2K	97.6K	270K	619K	2.00M
20.0	62.0	178	402	806	1.58K	3.16K	5.60K	11.3K	24.3K	43.2K	100K	274K	634K	
21.5	63.4	182	422	825	1.62K	3.24K	5.62K	11.5K	24.9K	45.3K	110K	280K	681K	
22.1	68.1	196	430	845	1.69K	3.32K	5.90K	11.8K	25.5K	46.4K	120K	294K	715K	
23.2	69.8	200	432	866	1.74K	3.48K	6.04K	12.1K	26.1K	47.5K	121K	301K	750K	
24.3	75.0	205	442	909	1.78K	3.57K	6.19K	12.4K	26.7K	49.9K	124K	309K	1.00M	
24.9	80.6	210	453	931	1.82K	3.65K	6.34K	12.7K	27.4K	51.1K	127K	324K	1.05M	
26.1	82.0	220	475	953	1.87K	3.74K	6.49K	13.0K	28.7K	53.6K	130K	332K	1.10M	
27.4	82.5	221	487	1.00K	1.91K	3.83K	6.65K	13.3K	29.4K	54.9K	140K	340K	1.15M	
33.2	88.7	232	499	1.05K	2.00K	3.92K	6.81K	13.7K	30.1K	56.0K	150K	348K	1.21M	
34.8	90.9	237	511	1.07K	2.10K	4.02K	6.98K	14.0K	30.9K	56.2K	165K	365K	1.30M	
36.5	95.3	243	536	1.10K	2.15K	4.22K	7.15K	14.3K	31.6K	60.4K	169K	374K	1.43M	
39.2	100	249	562	1.15K	2.21K	4.32K	7.32K	15.0K	32.4K	61.9K	182K	392K	1.47M	
40.2	105	267	590	1.18K	2.32K	4.42K	7.50K	15.8K	33.2K	63.4K	191K	402K	1.50M	
43.2	110	274	604	1.21K	2.37K	4.53K	7.68K	16.2K	34.0K	64.9K	196K	422K	1.54M	

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Phoenix Passive Components Part No.
.40 Watt, 1% Metal Film Fixed Resistor, Tape & Reel (5,000/Reel)	10.0 - 2.00MΩ	PPC(Value)YTR-ND	—	—	—	19.88/M	16.96/M	5043EDxxxxxF12AF5
.40 Watt, 1% Metal Film Fixed Resistor, Cut Tape	10.0 - 2.00MΩ	PPC(Value)YCT-ND	.88	13.49	34.88	—	—	5043EDxxxxxF12AF5

FR16S Type 1% Metal Film Fixed Resistors — .50 Watt 5033ED Series



omogeneous film of metal alloy is depos-
d on a high grade ceramic body. After a
lical groove has been cut in the resistive
er, tinned connecting wires of electrolytic
pper are welded to the end-caps. The resis-
s are coated with non-flammable light blue
quer, which provides electrical, mechanical
d climactic protection. The encapsulation is
istant to all cleaning solvents in accordance
h "MIL-STD-202E, Method 215" and "IEC
068-2-45".

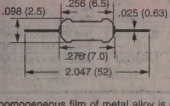
HARACTERISTICS:
esistance Tolerance: ±1% • **Temperature**
efficient: R≤ 200KΩ = ±100ppm/°C, R>
0KΩ = ±250ppm/°C • **Absolute Maximum**
ssipation at TAMB = 70°C: 0.50W • **Ther-**
al Resistance, RTH: 170K/W • **Maximum**
ntinuous Operating Voltage: 200V (DC or
MS) • **Operating Temperature Range:**
°C ~ 155°C

Phoenix Passive Components Standard Resistor Values

10.0	47.5	100	301	590	1.05K	2.49K	4.99K	9.76K	17.8K	35.7K	73.2K	182K	499K
10.7	48.7	121	309	604	1.21K	2.55K	5.11K	10.0K	18.2K	36.5K	75.0K	191K	549K
20.0	49.9	124	324	665	1.24K	2.74K	5.23K	10.2K	18.7K	39.2K	82.5K	200K	562K
22.1	51.1	147	332	681	1.30K	2.80K	5.36K	11.0K	20.0K	40.2K	90.9K	220K	634K
22.6	54.9	150	365	698	1.50K	3.01K	5.49K	12.1K	20.5K	41.2K	100K	221K	681K
26.1	57.6	158	383	715	1.58K	3.09K	5.62K	12.4K	22.1K	43.2K	105K	249K	806K
27.4	60.4	162	390	750	1.65K	3.24K	5.90K	12.7K	23.7K	47.5K	110K	294K	820K
28.0	63.4	191	392	787	1.69K	3.32K	6.49K	13.0K	24.3K	48.7K	115K	301K	931K
30.1	64.9	200	402	806	1.82K	3.65K	6.81K	13.3K	24.9K	49.9K	121K	324K	1.00M
33.2	68.1	221	432	825	1.96K	3.83K	6.98K	14.0K	25.5K	51.1K	124K	332K	1.02M
35.7	75.0	226	475	866	2.00K	3.92K	7.50K	14.7K	26.7K	54.9K	150K	348K	1.07M
37.4	76.8	249	499	909	2.21K	4.02K	8.20K	15.0K	28.0K	56.2K	154K	402K	1.10M
38.3	82.5	267	511	953	2.26K	4.32K	8.25K	15.8K	30.1K	60.4K	158K	412K	1.21M
39.2	90.9	274	549	1.00K	2.37K	4.53K	9.09K	16.2K	32.4K	68.1K	165K	432K	1.82M
41.2	93.1	280	562	1.02K	2.43K	4.75K	9.53K	16.9K	33.2K	69.8K	169K	475K	2.00M

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Phoenix Passive Components Part No.
.50 Watt, 1% Metal Film Fixed Resistor, Tape & Reel (5,000/Reel)	10.0 - 2.00MΩ	PPC(Value)XTR-ND	—	—	—	23.25/M	19.84/M	5033EDxxxxxF12AF5
.50 Watt, 1% Metal Film Fixed Resistor, Cut Tape	10.0 - 2.00MΩ	PPC(Value)XCT-ND	.97	14.79	38.25	—	—	5033EDxxxxxF12AF5

MRS25 Type 1% Metal Film Fixed Resistors — .60 Watt 5053MC Series



omogeneous film of metal alloy is deposit-
on a high grade ceramic body. After a heli-
groove has been cut in the resistive layer,
ed connecting wires of electrolytic copper
welded to the end-caps. The resistors are
ated with a green, non-flammable lacquer,
ich provides electrical, mechanical and
mactic protection. The encapsulation is resis-
nt to all cleaning solvents in accordance
h "MIL-STD-202E, Method 215" and "IEC
068-2-45".

HARACTERISTICS:
esistance Tolerance: ±1% • **Tempera-**
e Coefficient: ±50 ppm/°C • **Absolute**
ximum Dissipation at TAMB = 70°C:
0W • Thermal Resistance, RTH: 150K/W
Maximum Continuous Operating Voltage:
0V (DC or RMS) • Operating Temperature
nge: -55°C ~ 155°C

Phoenix Passive Components Standard Resistor Values

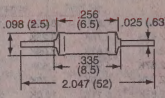
10.0	44.2	110	243	475	1.10K	2.67K	5.49K	12.1K	28.0K	78.7K	294K	750K	
10.7	46.4	121	249	499	1.21K	2.74K	5.90K	12.4K	30.1K	82.5K	301K	787K	
12.4	47.5	130	255	511	1.24K	2.94K	6.04K	13.0K	34.0K	90.9K	316K	806K	
13.3	49.9	137	267	549	1.30K	3.01K	6.19K	14.0K	39.2K	100K	324K	825K	
14.0	51.1	140	274	562	1.40K	3.16K	6.49K	14.3K	40.2K	121K	332K	931K	
15.0	54.9	143	280	576	1.50K	3.32K	6.81K	15.0K	41.2K	150K	348K	976K	
18.2	56.2	150	301	604	1.58K	3.40K	6.98K	16.9K	43.2K	162K	374K	1.10M	
20.0	60.4	154	316	619	1.62K	3.74K	7.15K	17.4K	44.2K	165K	392K	1.20M	
22.1	61.9	165	324	665	1.65K	3.92K	7.50K	18.2K	47.5K	182K	442K	1.50M	
23.7	71.5	169	332	681	1.69K	4.02K	7.68K	18.7K	48.7K	200K	475K	1.80M	
24.9	75.0	178	365	750	1.82K	4.22K	8.25K	19.1K	49.9K	221K	499K	2.00M	
27.4	78.7	182	392	768	2.00K	4.32K	8.66K	20.0K	51.1K	226K	511K	2.20M	
30.9	82.5	191	402	825	2.21K	4.64K	9.09K	21.0K	56.2K	243K	576K		
33.2	90.9	200	422	909	2.26K	4.75K	9.76K	22.1K	66.5K	249K	619K		
35.7	93.1	210	432	931	2.32K	4.99K	10.0K	24.9K	68.1K	255K	649K		
38.3	100	215	442	953	2.43K	5.11K	10.2K	26.7K	75.0K	267K	665K		
42.2	102	221	464	1.00K	2.49K	5.36K	11.3K	27.4K	76.8K	280K	681K		

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Phoenix Passive Components Part No.
.60 Watt, 1% Metal Film Fixed Resistor, Tape & Reel (5,000/Reel)	10.0-2.20MΩ	PPC(Value)ZTR-ND	—	—	—	31.88/M	27.20/M	5053MCxxxxxF12AF5
.60 Watt, 1% Metal Film Fixed Resistor, Cut Tape	10.0-2.20MΩ	PPC(Value)ZCT-ND	1.19	18.13	46.88	—	—	5053MCxxxxxF12AF5

Phoenix Passive Components

PR01 Type 5% Power Metal Film Fixed Resistors — 1 Watt
5073NW Series

A homogeneous film of metal alloy is deposited on a high grade ceramic body. After a helical groove has been cut in the resistive layer, tinned connecting wires of electrolytic copper are welded to the end-caps. The resistors are coated with a red, non-flammable lacquer, which provides electrical, mechanical and climatic protection. The encapsulation is resistant to all cleaning solvents in accordance with "MIL-STD-202E, Method 215" and "IEC 60068-2-45".



CHARACTERISTICS:
• **Resistance Tolerance:** ±5% • **Temperature Coefficient:** ±250 ppm/°C • **Absolute Maximum Dissipation at TAMB = 70°C:** 1.0W • **Thermal Resistance, RTH:** 135K/W • **Maximum Continuous Operating Voltage:** 350V (DC or RMS) • **Operating Temperature Range:** -55°C ~ 155°C

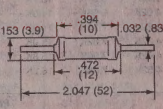
Phoenix Passive Components Standard Resistor Values

1.0	3.3	10	33	100	330	1.0K	3.3K	10K	43K	180K	750K
1.1	3.6	11	36	110	360	1.1K	3.6K	12K	47K	200K	820K
1.2	3.9	12	39	120	390	1.2K	3.9K	15K	51K	220K	1.0M
1.3	4.3	13	43	130	430	1.3K	4.3K	16K	56K	240K	
1.5	4.7	15	47	150	470	1.5K	4.7K	18K	62K	270K	
1.6	5.1	16	51	160	510	1.6K	5.1K	20K	68K	300K	
1.8	5.6	18	56	180	560	1.8K	5.6K	22K	82K	330K	
2.0	6.2	20	62	200	620	2.0K	6.2K	24K	91K	390K	
2.2	6.8	22	68	220	680	2.2K	6.8K	27K	100K	470K	
2.4	7.5	24	75	240	750	2.4K	7.5K	30K	120K	510K	
2.7	8.2	27	82	270	820	2.7K	8.2K	33K	130K	560K	
3.0	9.1	30	91	300	910	3.0K	9.1K	39K	150K	680K	

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Mfg. Part No.
1W, Power Metal Film Fixed Resistor; Tape & Reel (5,000/Reel)	1.0 - 1.0MΩ	PPC(Value)W-1TR-ND	—	—	—	53.63/M	45.76/M	5073NWxxxxxJ12AFX
1W, Power Metal Film Fixed Resistor; Cut Tape	1.0 - 1.0MΩ	PPC(Value)W-1CT-ND	1.74	26.54	68.63	—	—	5073NWxxxxxJ12AFX

PR02 Type 5% Power Metal Film Fixed Resistors — 2 Watt 5083NW Series

A homogeneous film of metal alloy is deposited on a high grade ceramic body. After a helical groove has been cut in the resistive layer, tinned connecting wires of electrolytic copper are welded to the end-caps. The resistors are coated with a red, non-flammable lacquer, which provides electrical, mechanical and climatic protection. The encapsulation is resistant to all cleaning solvents in accordance with "MIL-STD-202E, Method 215" and "IEC 60068-2-45".



CHARACTERISTICS:
• **Resistance Tolerance:** ±5% • **Temperature Coefficient:** ±250 ppm/°C • **Absolute Maximum Dissipation at TAMB = 70°C:** 2.0W • **Thermal Resistance, RTH:** 75K/W • **Maximum Continuous Operating Voltage:** 500V (DC or RMS) • **Operating Temperature Range:** -55°C ~ 155°C

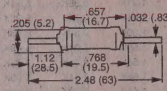
Phoenix Passive Components Standard Resistor Values

1.0	3.0	8.2	24	68	200	560	1.8K	5.1K	15K	43K	150K	510K
1.1	3.3	9.1	27	75	220	620	2.0K	5.6K	16K	47K	160K	560K
1.2	3.6	10	30	82	240	680	2.2K	6.2K	18K	51K	180K	620K
1.3	3.9	11	33	91	270	750	2.4K	6.8K	20K	56K	200K	680K
1.5	4.3	12	36	100	300	820	2.7K	7.5K	22K	62K	220K	750K
1.6	4.7	13	39	110	330	1.0K	3.0K	8.2K	24K	68K	240K	1.0M
1.8	5.1	15	43	120	360	1.1K	3.3K	9.1K	27K	75K	270K	
2.0	5.6	16	47	130	390	1.2K	3.6K	10K	30K	82K	300K	
2.2	6.2	18	51	150	430	1.3K	3.9K	11K	33K	91K	330K	
2.4	6.8	20	56	160	470	1.5K	4.3K	12K	36K	100K	390K	
2.7	7.5	22	62	180	510	1.6K	4.7K	13K	39K	120K	470K	

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Mfg. Part No.
2W, Power Metal Film Fixed Resistor; Tape & Reel (5,000/Reel)	1.0 - 1.0MΩ	PPC(Value)W-2TR-ND	—	—	—	104.25/M	88.96/M	5083NWxxxxxJ12AFX
2W, Power Metal Film Fixed Resistor; Cut Tape	1.0 - 1.0MΩ	PPC(Value)W-2CT-ND	3.02	46.11	119.25	—	—	5083NWxxxxxJ12AFX

PR03 Type 5% Power Metal Film Fixed Resistors — 3 Watt 5093NW Series

A homogeneous film of metal alloy is deposited on a high grade ceramic body. After a helical groove has been cut in the resistive layer, tinned connecting wires of electrolytic copper are welded to the end-caps. The resistors are coated with a red, non-flammable lacquer, which provides electrical, mechanical and climatic protection. The encapsulation is resistant to all cleaning solvents in accordance with "MIL-STD-202E, Method 215" and "IEC 60068-2-45".



CHARACTERISTICS:
• **Resistance Tolerance:** ±5% • **Temperature Coefficient:** ±250 ppm/°C • **Absolute Maximum Dissipation at TAMB = 70°C:** 3.0W • **Thermal Resistance, RTH:** 60K/W • **Maximum Continuous Operating Voltage:** 750V (DC or RMS) • **Operating Temperature Range:** -55°C ~ 155°C

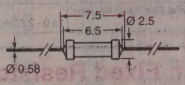
Phoenix Passive Components Standard Resistor Values

10	51	200	820	4.7K	16K	47K	160K	750K
12	56	220	1.0K	5.1K	18K	51K	200K	1.0M
15	62	240	1.1K	6.8K	20K	56K	220K	
18	68	300	1.2K	7.5K	22K	62K	240K	
20	75	330	1.5K	8.2K	24K	75K	330K	
24	100	390	2.0K	10K	27K	82K	360K	
27	110	470	2.4K	11K	30K	100K	390K	
33	120	510	2.7K	12K	33K	120K	430K	
43	150	560	3.0K	13K	36K	130K	470K	
47	180	680	3.9K	15K	39K	150K	510K	

Description	Value Range	Digi-Key Part No.	Pricing 5	100	500	1,000	5,000	Mfg. Part No.
3W, Power Metal Film Fixed Resistors; Tape & Box (500/AMMO Pk.)	10 - 1.0MΩ	PPC(Value)W-3JTB-ND	—	—	81.60	151.47	135.15/M	5093NWxxxxxJA8AFX
3W, Power Metal Film Fixed Resistors; Cut Tape	10 - 1.0MΩ	PPC(Value)W-3JCT-ND	2.09	23.65	—	—	—	5093NWxxxxxJA8AFX

NFR25/NFR25H Type 5% Metal Film Fusible Resistors — 0.33 and 0.5 Watt
5063F and 5065F Series

The resistors are coated with a grey, flame retardant lacquer which provides electrical, mechanical and climatic protection. The encapsulation is resistant to all cleaning solvents in accordance with "MIL-STD-202E, Method 215" and "IEC 60068-2-45". **Features:** • Fusible resistors • Defined interruption behavior (fusing time) • Nonflammable lacquer • High stability, reliability and uniformity characteristics • Suitable for protecting circuit boards and designs



CHARACTERISTICS:
• **Resistance Tolerance:** ±5% • **Maximum Dissipation at TAMB = 70°C:** *NFR25:* 0.33W; *NFR25H:* 0.5W • **Maximum Permissible Voltage:** *NFR25:* 250V; *NFR25H:* 350V • **Operating Temperature Range:** -55°C ~ 155°C

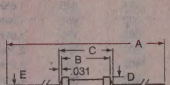
Phoenix Passive Components Standard Resistor Values

.22	2.2	22	330	2.2K	
.33	3.3	33	470	3.3K	
.47	4.7	47	680	4.7K	
.68	6.8	100	68	6.8K	
1.0	10	150	1.0K	10K	
1.5	15	220	1.5K	15K	

Description	Value Range	Digi-Key Part No.	Pricing 5	200	1,000	5,000	10,000	Mfg. Part No.
NFR25, 0.33W, Power Metal Film Fusible Resistors; Tape & Reel (5,000/Reel)	.22 - 15KΩ	PPC(Value)ATR-ND	—	—	—	119.63/M	102.08/M	5063FxxxxxxJ12AFX
NFR25, 0.33W, Power Metal Film Fusible Resistors; Cut Tape	.22 - 15KΩ	PPC(Value)ACT-ND	3.41	52.06	134.63	—	—	5063FxxxxxxJ12AFX
NFR25H, 0.5W, Power Metal Film Fusible Resistors; Tape & Reel (5,000/Reel)	.22 - 15KΩ	PPC(Value)BTR-ND	—	—	—	170.63/M	145.60/M	5065FxxxxxxJ12AFX
NFR25H, 0.5W, Power Metal Film Fusible Resistors; Cut Tape	.22 - 15KΩ	PPC(Value)BCT-ND	4.70	71.78	185.63	—	—	5065FxxxxxxJ12AFX

NFR01/02/03 Type 5% Metal Film High Power Fusible Resistors — 1, 2 and 3 Watt
5073FM, 5083FM and 5093FM Series

The resistors are coated with a red, non-flammable lacquer, which provides electrical, mechanical and climatic protection. The encapsulation is resistant to all cleaning solvents in accordance with "MIL-STD-202E, Method 215" and "IEC 60068-2-45". **Features:** • Fusible resistors • Defined interruption behavior (fusing time) • Nonflammable lacquer • High stability, reliability and uniformity characteristics • Suitable for protecting circuit boards and designs



Type	Dimensions (mm) A	B	C	D	E
NFR01	52 ±1.5	6.5	8.5	2.5	0.58 ±0.05 Cu.
NFR02	52 ±1.5	10.0	12.0	4.0	0.8 ±0.03 Cu.
NFR03	63 ±1.5	16.7	19.5	5.3	0.8 ±0.03 Cu.

CHARACTERISTICS: • **Resistance Tolerance:** ±5% • **Maximum Dissipation at 70°C:** *NFR01:* 1.0W; *NFR02:* 2.0W; *NFR03:* 3.0W • **Maximum Permissible Voltage:** *NFR01:* 350V; *NFR02:* 500V; *NFR03:* 500V • **Temperature Coefficient:** ≤±200ppm/°C

Phoenix Passive Components Standard Resistor Values

.47	2.2	10	47	220	1.0K	
.68	3.3	15	68	330		
1.0	4.7	22	100	470		
1.5	6.8	33	150	680		

Description	Value Range	Digi-Key Part No.	Pricing 5	100	200	500	1,000	5,000	10,000	Mfg. Part No.
NFR01, 1W, Metal Film High Power Fusible Resistors; Tape & Reel (5,000/Reel)	.47 - 1.0KΩ	PPC(Value)CTR-ND	—	—	—	—	—	159.75/M	136.32/M	5073FMxxxxxJ12AFX
NFR01, 1W, Metal Film High Power Fusible Resistors; Cut Tape	.47 - 1.0KΩ	PPC(Value)CCT-ND	4.43	—	67.57	—	174.75	—	—	5073FMxxxxxJ12AFX
NFR02, 2W, Metal Film High Power Fusible Resistors; Tape & Reel (5,000/Reel)	.47 - 1.0KΩ	PPC(Value)DTR-ND	—	—	—	—	—	258.75/M	220.80/M	5083FMxxxxxJ12AFX
NFR02, 2W, Metal Film High Power Fusible Resistors; Cut Tape	.47 - 1.0KΩ	PPC(Value)DCT-ND	6.94	—	105.85	—	273.75	—	—	5083FMxxxxxJ12AFX
NFR03, 3W, Metal Film High Power Fusible Resistors; Tape & Box (500/AMMO Pk.)	.47 - 1.0KΩ	PPC(Value)ETB-ND	—	—	—	444.80	825.66	736.70/M	667.20/M	5093FMxxxxxJ08AFX
NFR03, 3W, Metal Film High Power Fusible Resistors; Cut Tape	.47 - 1.0KΩ	PPC(Value)ECT-ND	10.72	121.26	—	—	—	—	—	5093FMxxxxxJ08AFX

SSM SUSUMU CO., LTD

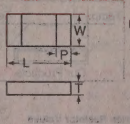
0201 / 0402 / 0603 / 0805 SMD .1% and .5% Thin Chip Resistors – High Precision RR Series - 1/10, 1/16, 1/20 Watt

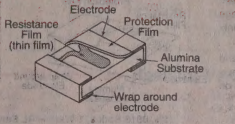
Current Noise Comparison
RR Series Thin Film vs. Thick Film
Why RR Series has lower current noise Specifications

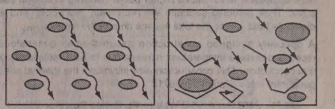
Resistance material of RR Series
Ni-Cr Alloy
Current flow is **practically even**

Resistance material of Thick Film
Metal and Insulator Composite
Current flow is **not even**

Susumu has been manufacturing thin film resistors since 1986 and is the primary thin film supplier in the world. Susumu's number One status in thin film resistors can be attributed to the series of the RR series thin film chip resistors. The RR series offers excellent TCR tolerances, Linearity specifications and low Current Noise. These specifications contribute to circuit simplification, and cost savings as they eliminate the need for trimmer pots in the circuit for adjustment.







.1%, 1/16 Watt - Series 0603 — Resistor Values

100	200	300	432	604	1.05K	1.4K	1.91K	2.43K	3.3K	3.92K	4.99K	6.81K	9.09K	11.3K	15.4K	24.0K	32.4K	40.2K	53.6K	76.8K	102K	160K	280K
107	220	301	453	680	1.07K	1.5K	2.0K	2.49K	3.32K	4.02K	5.1K	7.15K	9.1K	12.0K	16.0K	24.9K	33.0K	41.2K	56.0K	80.6K	105K	180K	300K
110	221	330	470	750	1.1K	1.54K	2.1K	2.55K	3.4K	4.12K	5.11K	7.5K	9.31K	12.1K	16.5K	25.5K	33.2K	42.2K	56.2K	82.0K	110K	200K	301K
115	232	348	475	787	1.15K	1.58K	2.15K	2.61K	3.48K	4.22K	5.6K	7.68K	9.53K	12.4K	17.4K	26.7K	34.8K	43.0K	57.6K	84.5K	113K	215K	309K
120	237	357	499	820	1.18K	1.6K	2.2K	2.67K	3.57K	4.3K	5.62K	7.87K	9.76K	12.7K	18.0K	27.0K	35.7K	43.2K	60.4K	86.6K	120K	220K	324K
133	240	360	510	825	1.2K	1.65K	2.21K	2.7K	3.6K	4.32K	5.9K	8.06K	10.0K	13.0K	18.7K	27.4K	36.0K	47.0K	66.5K	88.7K	124K	221K	330K
147	249	390	523	845	1.21K	1.69K	2.26K	2.8K	3.65K	4.64K	6.04K	8.2K	10.2K	13.7K	20.0K	30.0K	36.5K	47.5K	68.0K	90.9K	127K	226K	332K
150	261	402	549	887	1.24K	1.74K	2.32K	2.87K	3.74K	4.7K	6.19K	8.25K	10.5K	14.3K	22.0K	30.1K	38.3K	49.9K	68.1K	93.1K	130K	232K	
162	267	422	560	910	1.3K	1.8K	2.37K	3.0K	3.83K	4.75K	6.2K	8.45K	10.7K	14.7K	22.1K	30.9K	39.0K	51.0K	73.2K	95.3K	140K	249K	
180	270	430	562	1.0K	1.33K	1.82K	2.4K	3.24K	3.9K	4.87K	6.8K	8.66K	11.0K	15.0K	23.2K	31.6K	39.2K	51.1K	75.0K	100K	150K	270K	

.1%, 1/10 Watt - Series 0805 — Resistor Values

100	162	274	392	549	845	1.21K	1.69K	2.2K	2.94K	3.65K	4.75K	6.2K	8.66K	11.3K	15.0K	18.0K	23.2K	28.7K	38.3K	48.7K	64.9K	86.6K	124K	200K	330K	750K
102	180	300	402	562	909	1.24K	1.74K	2.21K	3.0K	3.9K	4.87K	6.49K	8.87K	11.5K	15.4K	18.2K	24.0K	30.0K	39.0K	49.9K	66.5K	88.7K	133K	220K	360K	820K
107	187	301	453	604	953	1.27K	1.78K	2.32K	3.01K	3.92K	4.99K	6.8K	9.09K	12.0K	15.8K	18.7K	24.3K	30.1K	39.2K	51.0K	68.0K	90.9K	140K	237K	390K	1.0M
120	196	316	470	619	1.0K	1.3K	1.8K	2.4K	3.09K	4.02K	5.1K	6.81K	9.1K	12.1K	16.0K	19.1K	24.9K	31.6K	40.2K	51.1K	68.1K	97.6K	150K	243K	430K	
124	200	324	475	649	1.02K	1.33K	1.82K	2.49K	3.16K	4.22K	5.11K	7.15K	9.53K	12.4K	16.2K	20.0K	25.5K	33.0K	43.0K	53.6K	71.5K	100K	169K	249K	499K	
127	220	330	499	698	1.05K	1.5K	1.91K	2.55K	3.3K	4.3K	5.49K	7.5K	10.0K	13.0K	16.5K	21.0K	26.1K	33.2K	45.3K	56.0K	75.0K	102K	180K	270K	510K	
130	240	332	510	732	1.07K	1.54K	2.0K	2.61K	3.32K	4.32K	5.62K	7.87K	10.2K	13.3K	16.9K	21.5K	26.7K	34.8K	46.4K	56.2K	80.6K	110K	182K	280K	560K	
140	249	374	511	750	1.15K	1.6K	2.05K	2.7K	3.57K	4.64K	5.76K	8.2K	10.5K	13.7K	17.4K	22K	27.0K	36.0K	47K	60.4K	82.0K	115K	191K	300K	649K	
150	267	390	536	820	1.2K	1.62K	2.15K	2.74K	3.6K	4.7K	6.04K	8.25K	11.0K	14.3K	17.8K	22.1K	27.4K	36.5K	47.5K	62.0K	82.5K	120K	196K	301K	660K	

.5%, 1/20 Watt Series 0201

47	220	4.3K
82	470	4.7K
100	560	5.6K
120	3.3K	6.8K
130	3.9K	8.2K

.5%, 1/16 Watt - Series 0402 — Resistor Values

10	36	68	150	255*	402*	680	1.21K*	2.0K	2.87K*	4.02K*	5.6K	8.06K*	11.3K	15.4K*	23.2K*	33.2K*	49.9K*	64.9K*
15	39	75	160	270	430	750	1.3K	2.1K*	3.0K	4.3K	5.62K*	8.2K	12.0K	16.0K	24.0K	36.0K	51.0K	68.0K
20	47	82	169*	287*	470	820	1.5K	2.2K	3.16K*	4.53K*	5.76K	8.45K*	12.1K*	18.0K	24.9K*	36.5K*	56.0K	75.0K
22	49.9	100	180	300	499*	825*	1.6K	2.31K*	3.3K	4.7K	6.04K*	9.09K*	12.4K*	18.2K*	25.5K*	39.0K	56.2K*	83.0K
24	51	110	200	330	510	910	1.62K*	2.4K	3.32K*	4.99K*	6.2K	9.1K	13.0K	18.7K*	27.0K	40.2K*	57.6K*	86.6K*
27	56	120	220	332*	560	1.0K	1.8K	2.49K*	3.6K	5.1K	6.49K*	10.0K	13.7K*	20.0K	28.7K*	43.0K	59K*	90.9K*
30	56.2	130	240	360	620	1.1K	1.87K*	2.55K*	3.74K*	5.36K*	6.8K	10.5K*	14.7K*	21K*	30.0K	45.3K*	60.4K*	100K
33	62	137*	249*	390	649*	1.2K	1.96K*	2.7K	3.9K	5.49K*	7.5K	10.7K*	15.0K	22.0K	33.0K	47.0K	62.0K	

.5%, 1/16 Watt - Series 0603 — Resistor Values

10	22	38.3	56	120	200	332	475	681	1.1K	1.69K	2.55K	3.4K	4.99K	6.34K	8.66K	11.5K	16.2K	21.5K	28.7K	39.0K	52.3K	69.8K	120K	210K	309K
11	22.1	39	56.2	121	210	348	499	715	1.2K	1.78K	2.67K	3.57K	5.1K	6.65K	8.87K	12.0K	16.5K	22.0K	29.4K	40.2K	53.6K	75.0K	124K	220K	324K
11.8	24	39.2	62	124	220	360	510	750	1.21K	1.8K	2.7K	3.6K	5.11K	6.8K	9.09K	12.1K	17.4K	22.1K	30.0K	43.0K	56.0K	78.7K	130K	221K	330K
12	24.9	40.2	68	130	221	390	560	806	1.24K	1.96K	2.74K	3.9K	5.23K	6.81K	9.1K	12.4K	17.8K	22.6K	30.1K	43.2K	56.2K	80.6K	140K	240K	332K
12.1	27	43	68.1	147	240	392	562	820	1.3K	2.0K	2.87K	3.92K	5.36K	6.98K	9.31K	13.0K	18.0K	23.2K	32.4K	44.2K	59.0K	82.0K	147K	243K	357K
13	30	47	75	150	267	402	590	825	1.37K	2.1K	3.0K	4.02K	5.49K	7.15K	9.53K	13.3K	18.2K	24.0K	33.0K	47.0K	60.4K	84.5K	150K	249K	360K
15	33	47.5	82	154	270	422	604	845	1.4K	2.2K	3.01K	4.22K	5.6K	7.5K	9.76K	14.0K	18.7K	24.3K	33.2K	47.5K	61.9K	90.9K	160K	255K	
16	33.2	49.9	82.5	160	274	430	619	910	1.47K	2.21K	3.09K	4.3K	5.62K	8.06K	10.0K	14.3K	19.6K	24.9K	34.0K	48.7K	62.0K	91.0K	165K	270K	
18	34	51	91	165	300	432	620	1.0K	1.5K	2.4K	3.16K	4.7K	5.9K	8.2K	10.2K	15.0K	20.0K	27.0K	34.8K	49.9K	66.5K	100K	178K	284K	
20	36	51.1	100	180	301	464	634	1.02K	1.6K	2.43K	3.3K	4.75K	6.04K	8.25K	10.5K	15.8K	20.5K	27.4K	36.0K	51.0K	68.0K	107K	180K	300K	
21.5	37.4	54.9	110	182	330	470	680	1.07K	1.62K	2.49K	3.32K	4.87K	6.2K	8.45K	11.0K	16.0K	21.0K	28.0K	37.4K	51.1K	68.1K	110K	200K	301K	

.5%, 1/10 Watt - Series 0805 — Resistor Values

10	22	36	68	127	226	430	820	1.6K	2.2K	3.16K	3.92K	5.11K	6.81K	9.53K	13.3K	17.4K	24.0K	33.0K	45.3K	62.0K	86.6K	150K	270K	620K
11	22.6	39	75	130	240	470	910	1.65K	2.21K	3.24K	4.02K	5.36K	6.98K	10.0K	13.7K	18.0K	24.3K	33.2K	47.0K	64.9K	88.7K	160K	300K	680K
12	24	40.2	80.6	133	249	499	1.0K	1.78K	2.37K	3.3K	4.3K	5.49K	7.15K	10.2K	14.0K	18.7K	24.9K	35.7K	47.5K	66.5K	90.9K	178K	330K	750K
12.4	24.9	43	82	140	267	510	1.1K	1.8K	2.4K	3.32K	4.32K	5.6K	7.5K	10.5K	14.3K	19.1K	25.5K	36.0K	48.7K	68.0K	91.0K	180K	332K	820K
13	27	47	82.5	150	270	560	1.13K	1.82K	2.43K	3.4K	4.42K	5.62K	7.87K	11.0K	15.0K	20.0K	26.1K	36.5K	49.9K	71.5K	100K	191K	360K	910K
15	27.4	47.5	91	160	300	576	1.15K	1.87K	2.49K	3.48K	4.53K	5.76K	8.06K	11.8K	15.4K	21.0K	26.7K	39.0K	51.0K	73.2K	102K	200K	390K	1.0M
16	30	49.9	100	178	330	604	1.2K	1.91K	2.7K	3.6K	4.7K	5.9K	8.2K	12.0K	15.8K	21.5K	27.0K	39.2K	51.1K	75.0K	105K	205K	430K	
18	30.1	51	110	180	332	620	1.21K	2.0K	2.8K	3.65K	4.75K	6.04K	8.25K	12.1K	16.0K	22.0K	27.4K	40.2K	53.6K	80.6K	110K	220K	470K	
19.6	32.4	56	120	200	360	680	1.3K	2.05K	2.94K	3.74K	4.87K	6.2K	8.45K	12.4K	16.2K	22.1K	30.0K	41.2K	56.0K	82.0K	115K	240K	510K	
20	33	61.9	121	215	390	681	1.5K	2.1K	3.0K	3.83K	4.99K	6.65K	9.09K	12.7K	16.5K	23.2K	30.1K	43.0K	56.2K	82.5K	120K	249K	560K	
21.5	35.7	62	124	220	392	750	1.58K	2.15K	3.01K	3.9K	5.1K	6.8K	9.1K	13.0K	16.9K	23.7K	32.4K	44.2K	59.0K	84.5K	130K	255K	604K	

Description	Value Range (Ω)	TCR ppm/°C	Maximum Operating Voltage (V)	Dimensions (mm) L	W	P	T	Digi-Key Part No.	Cut Tape Pricing 10	50	200	Digi-Key Part No.	Tape & Reel Size	Pricing	Susumu Part No.
.1%, 0603, 1/16W	100 – 332K	±25	75	1.60	0.80	0.30	0.40	RR08P(Value)BCT-ND	5.78	15.54	35.70	RR08P(Value)BTR-ND	5,000	64.60/M	RR0816P-xxx-B
.1%, 08.05, 1/10W	100 – 1.0M	±25	100	2.00	1.25	0.40	0.40	RR12P(Value)BCT-ND	5.78	15.54	35.70	RR12P(Value)BTR-ND	5,000	64.60/M	RR1220P-xxx-B
.5%, 0201, 1/20W	47 – 8.2K	±25	15	0.06	0.30	0.12	0.23	RR03P(Value)DCT-ND	3.03	8.14	18.70	RR03P(Value)DTR-ND	5,000	30.60/M	RR0306P-xxx-D
.5%, 0402 1/16W	10 – 82	±100	25	1.00	0.50	0.20	0.35	RR05R(Value)DCT-ND	1.20	3.22	7.40	RR05R(Value)DTR-ND	10,000	8.82/M	RR0510R-xxx-D
	100 – 100K	±25						RR05P(Value)DCT-ND	1.20	3.22	7.40	RR05P(Value)DTR-ND	10,000	8.82/M	RR0510P-xxx-D
.5%, 0603, 1/16W	10 – 91	±50	75	1.60	0.80	0.30	0.40	RR08Q(Value)DCT-ND	1.40	3.77	8.67	RR08Q(Value)DTR-ND	5,000	11.16/M	RR0816Q-xxx-D
	100 – 360K	±25						RR08P(Value)DCT-ND	1.40	3.77	8.67	RR08P(Value)DTR-ND	5,000	11.16/M	RR0816P-xxx-D
.5%, 0805, 1/10W	10 – 91	±50	100	2.00	1.25	0.40	0.40	RR12Q(Value)DCT-ND	1.40	3.77	8.67	RR12Q(Value)DTR-ND	5,000	11.16/M	RR1220Q-xxx-D
	100 – 1.0M	±25						RR12P(Value)DCT-ND	1.40	3.77	8.67	RR12P(Value)DTR-ND	5,000	11.16/M	RR1220P-xxx-D

*Not available in assortment kits located below

.% and .5% SMD Resistors

igi-Key® Assortment Kits

igi-Key® 0603, .1%, 1/16W, RR Series, SMD Resistor Kits

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0816PB-2-KIT-ND 10 each of values 1.05KΩ ~ 3.9KΩ $59.95
0816PB-3-KIT-ND 10 each of values 3.92KΩ ~ 15.0KΩ $59.95
0816PB-4-KIT-ND 10 each of values 15.4KΩ ~ 75.0KΩ $59.95
0816PB-5-KIT-ND 10 each of values 76.8KΩ ~ 332KΩ $49.95

igi-Key® 0805, .1%, 1/10W, RR Series, SMD Resistor Kits

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RR1220PB-4-KIT-ND 10 each of values 21.5KΩ ~ 88.7KΩ $59.95
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RR1220PD-1-KIT-ND 10 each of values 100Ω ~ 1.6KΩ $15.95
RR1220PD-2-KIT-ND 10 each of values 1.65KΩ ~ 5.9KΩ $15.95
RR1220PD-3-KIT-ND 10 each of values 6.04KΩ ~ 24.3KΩ $15.95
RR1220PD-4-KIT-ND 10 each of values 24.9KΩ ~ 110KΩ $15.95
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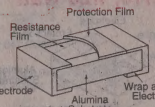
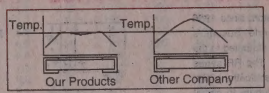
0402 / 0805 / 0815 / 0830 / 1206 / 2512 SMD 1%, 2% and 5% Thin Film Chip Resistors
Low Resistance RL and PRL Series — 1/8, 1/4, 1/2, 1 and 2 Watt

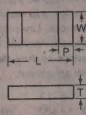
Susumu's RL and PRL series current sensing resistors provide excellent heat dissipation which allows higher power handling in smaller package sizes. Their patented structure will not create "hot spots" and evenly distribute heat across the total surface area of the resistor.

A specially designed construction assures small dimensions and repressed surface temperature increase due to heat radiation and thermal conduction. This construction also minimizes the thermal effects on peripheral areas. Patent 2963671.

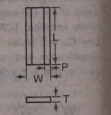




RL0510, RL1220, RL1632, RL3264



RL3720, RL3720W, RL7520W, PRL1632



1%, 0402 Series, 1/8 Watt — RL Series Resistor Values

.15	.22	1.0	1.5	2.2	3.3	4.7

2%, 0402 Series, 1/8 Watt — RL Series Resistor Values

.15	.22	1.0	2.2

1%, 0805 Series, 1/4 Watt — RL Series Resistor Values

.10	.20	.39	.68	1.30	2.70	5.1	10.0
.11	.22	.43	.75	1.50	3.00	5.6	
.12	.24	.47	.82	1.6	3.30	6.2	
.13	.27	.50	.91	1.80	3.6	6.8	
.15	.30	.51	1.00	2.0	3.9	7.5	
.16	.33	.56	1.1	2.20	4.3	8.2	
.18	.36	.62	1.2	2.4	4.70	9.1	

2%, 0805 Series, 1/4 Watt — RL Series Resistor Values

.022	.056	.10	.20	.33	.82	1.80	4.70
.033	.068	.12	.22	.36	1.00	2.20	10.0
.047	.075	.15	.24	.47	1.30	2.70	
.05	.082	.18	.30	.68	1.50	3.30	

5%, 0805 Series, 1/4 Watt — RL Series Resistor Values

.010	.013	.018	.024	.030	.039	.05	.062	.082
.011	.015	.020	.025	.033	.043	.051	.068	.091
.012	.016	.022	.027	.036	.047	.056	.075	

1%, 0815 Series, 1/2 Watt — RL Series Resistor Values

.018	.022	.047	.10

1%, 0815 Series, 1 Watt — RL Series Resistor Values

.01	.02	.10	.22	.43	.68
.015	.05	.15	.33	.47	1.00

2%, 0815 Series, 1/2 Watt — RL Series Resistor Values

.018	.02	.022	.04	.047	.10

2%, 0815 Series, 1 Watt — RL Series Resistor Values

.01	.012	.018	.022	.028	.033	.047	.068
.011	.015	.02	.025	.030	.04	.05	

5%, 0815 Series, 1 Watt — RL Series Resistor Values

.004	.005	.008

1%, 0830 Series, 2 Watt — RL Series Resistor Values

.01	.02	.10	.15	.22	.33	.47

2%, 0830 Series, 2 Watt — RL Series Resistor Values

.01	.015	.022	.039	.050
.012	.02	.033	.047	.068

5%, 0830 Series, 2 Watt — RL Series Resistor Values

.001	.003	.005	.009
.002	.004	.006	

2%, 1206 Series, 1/2 Watt — RL Series Resistor Values

.010	.012	.015	.018	.022
.011	.013	.016	.020	.024

1%, 1206 Series, 1/2 Watt — RL Series Resistor Values

.027	.047	.082	.15	.27	.47	.82	1.5	2.7	4.7
.030	.051	.091	.16	.30	.51	.91	1.6	3.0	
.033	.056	.10	.18	.33	.56	1.0	1.8	3.3	
.036	.062	.11	.20	.36	.62	1.1	2.0	3.6	
.039	.068	.12	.22	.39	.68	1.2	2.2	3.9	
.043	.075	.13	.24	.43	.75	1.3	2.4	4.3	

1%, 2512 Series, 1 Watt — RL Series Resistor Values

.027	.039	.056	.082	.12	.18	.27	.39
.033	.047	.068	.10	.15	.22	.33	.47

2%, 2512 Series, 1 Watt — RL Series Resistor Values

.010	.015	.022
.012	.018	

PRL SERIES

1%, 1206 Series, 1 Watt — PRL Series Resistor Values

.005	.009	.013	.020	.030	.043	.056	.082
.006	.010	.015	.022	.033	.047	.062	.091
.007	.011	.016	.024	.036	.050	.068	.100
.008	.012	.018	.027	.039	.051	.075	

G

Description	Value Range (Ω)	TCR ppm/°C	Dimensions (mm) L	W	P	T	Digi-Key Part No.	Cut Tape Pricing 10	50	200	Digi-Key Part No.	Tape & Reel Size	Pricing	Susumu Part No.
RL Series														
1%, 0402, 1/8W	.15 ~ 4.7	0~200	1.00	0.50	0.20	0.35	RL05S(Value)FCT-ND	5.91	15.91	36.55	RL05S(Value)FTR-ND	10,000	62.40/M	RL0510S-xxx-F
2%, 0402, 1/8W	.15 ~ 2.2	0~200	1.00	0.50	0.20	0.35	RL05S(Value)GCT-ND	5.64	15.17	34.85	RL05S(Value)GTR-ND	10,000	59.20/M	RL0510S-xxx-G
1%, 0805, 1/4W	.10 ~ 10.0	0~200	2.00	1.25	0.40	0.40	RL12S(Value)FCT-ND	3.44	9.25	21.25	RL12S(Value)FTR-ND	5,000	35.70/M	RL1220S-xxx-F
2%, 0805, 1/4W	.022 ~ .082	0~350	2.00	1.25	0.40	0.40	RL12T(Value)GCT-ND	5.36	14.43	33.15	RL12T(Value)GTR-ND	5,000	59.50/M	RL1220T-xxx-G
	.10 ~ 10.0	0~200					RL12S(Value)GCT-ND	3.44	9.25	21.25	RL12S(Value)GTR-ND	5,000	35.70/M	RL1220S-xxx-G
5%, 0805, 1/4W	.010 ~ .091	0~350	2.00	1.25	0.40	0.40	RL12T(Value)JCT-ND	4.13	11.10	25.50	RL12T(Value)JTR-ND	5,000	44.20/M	RL1220T-xxx-J
1%, 0815, 1/2W	.018 ~ .047	0~350	3.75	2.00	0.40	0.40	RL37T(Value)FCT-ND	13.54	36.45	83.73	RL37T(Value)FTR-ND	4,000	151.20/M	RL3720T-xxx-F
	.10	0~200					RL37S.10FCT-ND	13.61	36.63	84.15	RL37S.10FTR-ND	4,000	151.20/M	RL3720S-xxx-F
1%, 0815, 1W	.01 ~ .05	0~350	3.75	2.00	0.40	0.40	RL37WT(Value)FCT-ND	17.88	48.10	110.50	RL37WT(Value)FTR-ND	4,000	201.60/M	RL3720WT-xxx-F
	.10 ~ 1.00	0~200					RL37WS(Value)FCT-ND	17.88	48.10	110.50	RL37WS(Value)FTR-ND	4,000	201.60/M	RL3720WS- xxx-F
2%, 0815, 1/2W	.018 ~ .047	0~350	3.75	2.00	0.40	0.40	RL37T(Value)GCT-ND	11.83	31.82	73.10	RL37T(Value)GTR-ND	4,000	137.60/M	RL3720T-xxx-G
	.10	0~200					RL37S.10GCT-ND	12.38	33.30	76.50	RL37S.10GTR-ND	4,000	137.60/M	RL3720S-xxx-G
2%, 0815, 1W	.01 ~ .068	0~350	3.75	2.00	0.40	0.40	RL37WT(Value)GCT-ND	16.50	44.40	102.00	RL37WT(Value)GTR-ND	4,000	185.60/M	RL3720WT-xxx-G
5%, 0815, 1W	.004 ~ .008	0~350	3.75	2.00	0.40	0.40	RL37WT(Value)JCT-ND	19.80	53.28	122.40	RL37WT(Value)JTR-ND	4,000	224.00/M	RL3720WT-xxx-J
1%, 0830, 2W	.01 ~ .02	0~350	7.50	2.00	0.40	0.40	RL75WT(Value)FCT-ND	18.77	50.51	116.03	RL75WT(Value)FTR-ND	4,000	218.40/M	RL7520WT-xxx-F
	.10 ~ .47	0~200					RL75WS(Value)FCT-ND	19.32	51.99	119.43	RL75WS(Value)FTR-ND	4,000	218.40/M	RL7520WS-xxx-F
2%, 0830, 2W	.01 ~ .068	0~350	7.50	2.00	0.40	0.40	RL75WT(Value)GCT-ND	18.56	49.95	114.75	RL75WT(Value)GTR-ND	4,000	209.60/M	RL7520WT-xxx-G
5%, 0830, 2W	.001 ~ .009	0~350	7.50	2.00	0.40	0.40	RL75WT(Value)JCT-ND	21.18	56.98	130.90	RL75WT(Value)JTR-ND	4,000	240.00/M	RL7520WT-xxx-J
1%, 1206, 1/2W	.027 ~ .030	0~350	3.20	1.60	1.00	0.50	RL16T(Value)FCT-ND	11.55	31.08	71.40	RL16T(Value)FTR-ND	5,000	136.00/M	RL1632T-xxx-F
	.033 ~ .051	0~200					RL16S(Value)FCT-ND	11.55	31.08	71.40	RL16S(Value)FTR-ND	5,000	136.00/M	RL1632S-xxx-F
	.056 ~ 4.7	±100					RL16R(Value)FCT-ND	11.55	31.08	71.40	RL16R(Value)FTR-ND	5,000	136.00/M	RL1632R-xxx-F
2%, 1206, 1/2W	.010 ~ .024	0~350	3.20	1.60	1.00	0.50	RL16T(Value)GCT-ND	11.55	31.08	71.40	RL16T(Value)GTR-ND	5,000	136.00/M	RL1632T-xxx-G
1%, 2512, 1W	.027	0~350	6.40	3.20	2.00	0.50	RL32T.027FCT-ND	28.05	75.48	173.40	RL32T.027FTR-ND	5,000	340.00/M	RL3264T-xxx-F
	.033 ~ .047	0~200					RL32S(Value)FCT-ND	28.05	75.48	173.40	RL32S(Value)FTR-ND	5,000	340.00/M	RL3264S-xxx-F
	.056 ~ .47	±100					RL32R(Value)FCT-ND	28.05	75.48	173.40	RL32R(Value)FTR-ND	5,000	340.00/M	RL3264R-xxx-F
2%, 2512, 1W	.010 ~ .022	0~350	6.40	3.20	2.00	0.50	RL32T(Value)GCT-ND	28.05	75.48	173.40	RL32T(Value)GTR-ND	5,000	340.00/M	RL3264T-xxx-G
PRL Series - RoHS Compliant														
1%, 1206, 1W	.005 ~ .009	0~350	3.20	1.60	0.45	0.50	PRL1632(Value)FCT-ND	9.04	26.06	62.55	PRL1632(Value)FTR-ND	1,000	216.00	PRL1632-xxx-F-T1
	.010 ~ .018	0~200												
	.020 ~ .051	±100												
	.056 ~ .100	±50												

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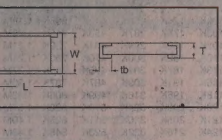

TEMPERATURE COEFFICIENT (ppm/°C)										
Size Code:	0201		0402		0603		0805		1206	
Resistance Range (Ω):	1%	5%	1%	5%	1%	5%	1%	5%	1%	5%
1.0 ≤ R < 2.2	—	—	—	—	—	—	—	500±350	—	500 ±350
1.0 ≤ R < 10	—	—	—	+500/-250	—	—	±250	—	±250	—
2.2 ≤ R < 10	—	—	—	—	±500	—	—	±500	—	±500
10 ≤ R ≤ 2.2M	—	—	±100	—	±100	—	±100	—	±100	—
10 ≤ R ≤ 10M	±250	±250	—	±200	—	±200	—	±200	—	±200

MCR006 1%, 1/20 Watt — 0201 Series Resistor Values

0	22	33	51	82	165	510	976	1.5K	2.7K	3.9K	5.1K	7.5K	11.5K	22K	30K	44.2K	56K	91K	150K	240K	360K	510K	1.2M
2	24	39	56	100	200	680	1.0K	1.8K	2.87K	4.3K	5.6K	8.2K	12K	24K	30.1K	45.3K	68K	100K	162K	255K	402K	680K	1.5M
5	24.3	43	68	110	300	750	1.1K	2.0K	2.94K	4.7K	5.62K	8.25K	12.1K	24.9K	33.2K	47K	69.8K	120K	180K	280K	430K	750K	2.0M
3	25.5	47	73.2	130	430	820	1.2K	2.1K	3.0K	4.75K	6.2K	10K	15K	27.4K	40.2K	47.5K	80.6K	121K	220K	300K	470K	910K	2.2M
0	27	49.9	75	150	470	910	1.3K	2.2K	3.3K	4.99K	6.8K	11.3K	18K	29.4K	43.2K	51K	82.5K	140K	232K	324K	487K	1.0M	10M

otion	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No. 15,000	T&R Pricing	Rohm Part No.
01, 1/20 Watt	10 ~ 10M	25	0.05W	0.3	0.6	0.23	0.15	RHM(Value)ABCT-ND	1.18	3.18	7.31	RHM(Value)ABTR-ND	12.00/M	MCR006YZPFxxxx

MCR01 1%, 1/16 Watt — 0402 Series Resistor Values

0	33.0	68.0	180	430	620	1.21K	2.40K	4.30K	6.49K	9.10K	12.0K	17.4K	24.9K	35.7K	45.3K	53.6K	78.7K	95.3K	127K	226K	332K	560K
0	36.0	68.1	220	464	680	1.50K	2.70K	4.64K	6.80K	9.53K	12.1K	18.0K	26.1K	36.0K	46.4K	56.0K	80.6K	97.6K	150K	240K	360K	562K
0	39.0	75.0	280	470	715	1.80K	3.01K	5.10K	7.50K	10.0K	13.0K	19.1K	27.0K	39.0K	47.0K	60.4K	82.0K	100K	180K	249K	430K	620K
0	49.9	100	300	499	910	1.82K	3.90K	5.36K	7.87K	10.7K	14.0K	20.0K	28.0K	39.2K	47.5K	61.9K	82.5K	110K	187K	261K	442K	649K
0	51.0	120	301	510	1.00K	1.96K	3.74K	5.49K	8.06K	11.0K	15.0K	21.0K	30.0K	40.2K	49.9K	62.0K	88.7K	120K	200K	270K	470K	768K
0	56.0	150	390	511	1.10K	2.20K	3.90K	5.62K	8.20K	11.3K	16.0K	22.0K	30.1K	42.2K	51.0K	64.9K	90.9K	121K	210K	300K	499K	1.00M
0	62.0	160	392	560	1.20K	2.21K	3.92K	6.20K	8.87K	11.5K	16.2K	22.1K	33.0K	43.0K	51.1K	68.0K	91.0K	124K	220K	301K	510K	

otion	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No. 10,000	T&R Pricing	Rohm Part No.
02, 1/16 Watt	1.00 ~ 4.70	50	0.063W	0.5	1.0	0.35	0.25	RHM(Value)LCT-ND	.82	2.21	5.07	RHM(Value)LTR-ND	5.39/M	MCR01MZPFLxxxx
02, 1/16 Watt	10.0 ~ 1.00M	50	0.063W	0.5	1.0	0.35	0.25	RHM(Value)LCT-ND	.82	2.21	5.07	RHM(Value)LTR-ND	5.39/M	MCR01MZPFxxxx

MCR03 1%, 1/10 Watt — 0603 Series Resistor Values

0	16.5	26.7	41.2	63.4	105	174	274	430	665	1.07K	1.78K	2.80K	4.32K	6.80K	11.0K	18.0K	28.7K	44.2K	69.8K	115K	187K	300K	464K	715K
0	16.9	27.0	42.2	64.9	107	178	280	432	680	1.10K	1.80K	2.87K	4.42K	6.81K	11.3K	18.2K	29.4K	45.3K	71.5K	118K	191K	301K	470K	732K
0	17.4	27.4	43.0	66.5	110	180	287	442	681	1.13K	1.82K	2.94K	4.53K	6.98K	11.5K	18.7K	30.0K	46.4K	73.2K	120K	196K	309K	475K	750K
0	17.8	28.0	43.2	68.0	113	182	294	453	698	1.15K	1.87K	3.00K	4.64K	7.15K	11.8K	19.1K	30.1K	47.0K	75.0K	121K	200K	316K	487K	768K
0	18.0	28.7	44.2	68.1	115	187	300	464	715	1.18K	1.91K	3.01K	4.70K	7.32K	12.0K	19.6K	30.9K	47.5K	76.8K	124K	205K	324K	499K	787K
0	18.2	29.4	45.3	69.8	118	191	301	470	732	1.20K	1.96K	3.09K	4.75K	7.50K	12.1K	20.0K	31.6K	48.7K	78.7K	127K	210K	330K	510K	806K
0	18.7	30.0	46.4	71.5	120	196	309	475	750	1.21K	2.00K	3.16K	4.87K	7.68K	12.4K	20.5K	32.4K	49.9K	80.6K	130K	215K	332K	511K	820K
0	19.1	30.1	47.0	73.2	121	200	316	487	768	1.24K	2.05K	3.24K	4.99K	7.87K	12.7K	21.0K	33.0K	51.0K	82.0K	133K	220K	340K	523K	825K
0	19.6	30.9	47.5	75.0	124	205	324	499	787	1.27K	2.10K	3.30K	5.10K	8.06K	13.0K	21.5K	33.2K	51.1K	82.5K	137K	221K	348K	536K	845K
0	20.0	31.6	48.7	76.8	127	210	330	510	806	1.30K	2.15K	3.32K	5.11K	8.20K	13.3K	22.0K	34.0K	52.3K	84.5K	140K	226K	357K	549K	866K
0	20.5	32.4	49.9	78.7	130	215	332	511	820	1.33K	2.20K	3.40K	5.23K	8.25K	13.7K	22.1K	34.8K	53.6K	86.6K	143K	232K	360K	560K	887K
0	21.0	33.0	51.0	80.6	133	220	340	523	825	1.37K	2.21K	3.48K	5.36K	8.45K	14.0K	22.6K	35.7K	54.9K	86.7K	147K	237K	365K	562K	909K
0	21.5	33.2	51.1	82.0	137	221	348	536	845	1.40K	2.26K	3.57K	5.49K	8.66K	14.3K	23.2K	36.0K	56.2K	90.9K	150K	240K	374K	576K	910K
0	22.0	34.0	52.3	82.5	140	226	357	549	866	1.43K	2.32K	3.60K	5.60K	8.87K	14.7K	23.7K	36.5K	57.6K	91.0K	154K	243K	383K	590K	931K
0	22.1	34.8	53.6	84.5	143	232	360	560	887	1.47K	2.37K	3.65K	5.62K	9.09K	15.0K	24.0K	37.4K	59.0K	93.1K	158K	249K	390K	604K	953K
0	22.6	35.7	54.9	88.7	147	237	365	562	909	1.50K	2.40K	3.74K	5.76K	9.10K	15.4K	24.3K	38.3K	60.4K	95.3K	160K	255K	392K	619K	976K
0	23.2	36.0	56.0	90.9	150	240	374	576	910	1.54K	2.43K	3.83K	5.90K	9.31K	15.8K	24.9K	39.0K	61.9K	97.6K	162K	261K	402K	620K	1.00M
0	23.7	36.5	56.2	91.0	154	243	383	590	931	1.58K	2.49K	3.90K	6.04K	9.53K	16.0K	25.5K	39.2K	62.0K	100K	165K	267K	412K	634K	1.20M
0	24.0	37.4	57.6	93.1	158	249	390	604	953	1.60K	2.55K	3.92K	6.19K	9.76K	16.2K	26.1K	40.2K	63.4K	102K	169K	270K	422K	649K	1.21M
0	24.3	38.3	59.0	95.3	160	255	392	619	976	1.62K	2.61K	4.02K	6.20K	10.0K	16.5K	26.7K	41.2K	64.9K	105K	174K	274K	430K	665K	1.50M
0	24.9	39.0	60.4	97.6	162	261	402	620	1.00K	1.65K	2.67K	4.12K	6.34K	10.2K	16.9K	27.0K	42.2K	66.5K	107K	178K	280K	432K	680K	2.00M
0	25.5	39.2	61.9	100	165	267	412	634	1.02K	1.69K	2.70K	4.22K	6.49K	10.5K	17.4K	27.4K	43.0K	68.0K	110K	180K	287K	442K	681K	
0	26.1	40.2	62.0	102	169	270	422	649	1.05K	1.74K	2.74K	4.30K	6.65K	10.7K	17.8K	28.0K	43.2K	68.1K	113K	182K	294K	453K	698K	

otion	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No. 5,000	T&R Pricing	Rohm Part No.
03, 1/10 Watt	10.0 ~ 2.00M	50	0.063W	0.8	1.6	0.45	0.3	RHM(Value)HCT-ND	.76	2.04	4.68	RHM(Value)HTR-ND	4.50/M	MCR03EZPFXxxxx

MCR10 1%, 1/4, 1/8 Watt — 0805 Series Resistor Values

0	12.7	22.0	35.7	56.2	93.1	162	270	432	698	1.20K	2.05K	3.32K	5.36K	8.87K	15.4K	25.5K	41.2K	66.5K	113K	191K	316K	510K	825K	1.50M
0	13.0	22.1	36.0	57.6	95.3	165	274	442	715	1.21K	2.10K	3.40K	5.49K	9.09K	15.8K	26.1K	42.2K	68.0K	115K	196K	324K	511K	845K	1.54M
0	13.3	22.6	36.5	59.0	97.6	169	280	453	732	1.24K	2.15K	3.48K	5.60K	9.10K	16.0K	26.7K	43.0K	68.1K	118K	200K	330K	523K	866K	1.58M
0	13.7	23.2	37.4	60.4	100	174	287	464	750	1.27K	2.20K	3.57K	5.62K	9.31K	16.2K	27.0K	43.2K	69.8K	120K	205K	332K	536K	887K	1.62M
0	14.0	23.7	38.3	61.9	102	178	294	470	768	1.30K	2.21K	3.60K	5.76K	9.53K	16.5K	27.4K	44.2K	71.5K	121K	210K	340K	549K	909K	1.65M
0	14.3	24.0	39.0	62.0	105	180	300	475	787	1.33K	2.26K	3.65K	5.90K	9.76K	16.9K	28.0K	45.3K	73.2K	124K	215K	348K	560K	931K	1.69M
0	14.7	24.3	39.2	63.4	107	182	301	487	806	1.37K	2.32K	3.74K	6.04K	10.0K	17.4K	28.7K	46.4K	75.0K	127K	220K	357K	562K	953K	1.74M
0	15.0	24.9	40.2	64.9	110	187	309	499	820	1.40K	2.37K	3.83K	6.19K	10.2K	17.8K	29.4K	47.0K	76.8K	130K	221K	360K	576K	976K	1.80M
0	15.4	25.5	41.2	66.5	113	191	316	510	825	1.43K	2.40K	3.90K	6.20K	10.5K	18.0K	30.0K	47.5K	78.7K	133K	226K	365K	590K	1.00M	1.82M
0	15.8	26.1	42.2	68.0	115	196	324	511	845	1.47K	2.43K	3.92K	6.34K	10.7K	18.2K	30.1K	48.7K	80.6K	137K	232K	374K	604K	1.02M	1.87M
0	16.0	26.7	43.0	68.1	118	200	330	523	866	1.50K	2.49K	4.02K	6.49K	11.0K	18.7K	30.9K	49.9K	82.0K	140K	237K	383K	619K	1.05M	1.91M
0	16.2	27.0	43.2	69.8	120	205	332	536	887	1.54K	2.55K	4.12K	6.65K	11.3K	19.1K	31.6K	51.0K	82.5K	143K	240K	390K	620K	1.10M	1.96M
0	16.5	27.4	44.2	71.5	121	210	340	549	909	1.58K	2.61K	4.22K	6.80K	11.5K	19.6K	32.4K	51.1K	84.5K	147K	243K	392K	634K	1.13M	2.00M
0	16.9	28.0	45.3	73.2	124	215	348	560	910	1.60K	2.67K	4.30K	6.81K	11.8K	20.0K	33.0K	52.3K	86.6K	150K	249K	402K	649K	1.15M	2.05M
0	17.4	28.7	46.4	75.0	127	220	357	562	931	1.62K	2.70K	4.32K	6.98K	12.0K	20.5K	33.2K	53.6K	88.7K	154K	255K	412K	665K	1.18M	2.10M
0	17.8	29.4	47.5	76.8	130	221	360	576	953	1.65K	2.74K	4.42K	7.15K	12.1K	21.0K	33.0K	54.9K	90.9K	158K	261K	422K	680K	1.20M	2.15M
0	18.0	30.0	47.5	76.7	133	226	365	590	976	1.69K	2.80K	4.53K	7.32K	12.4K	21.5K	34.8K	56.0K	91.0K	160K	267K	430K	681K	1.21M	2.20M
0	18.2	30.1	48.7	80.6	137	232	374	604	1.00K	1.74K	2.87K	4.64K	7.50K	12.7K	22.0K	35.7K	56.2K	93.1K	162K	270K	432K	698K	1.24M	
0	18.7	30.9	49.9	82.0	140	237	383	619	1.02K	1.78K	2.94K	4.70K	7.68K	13.0K	22.1K	36.0K	57.6K	95.3K	165K	274K	442K	715K	1.27M	
0	19.1	31.6	51.0	82.5	143	240	390	620	1.05K	1.80K	3.00K	4.75K	7.87K	13.3K	22.6K	36.5K	59.0K	97.6K	169K	280K	453K	732K	1.30M	
0	19.6	32.4	51.1	84.5	147	243	392	634	1.07K	1.82K	3.01K	4.87K	8.06K	13.7K	23.2K	37.4K	60.4K	100K	174K	287K	464K	750K	1.33M	
0	20.0	33.0	52.3	86.6	150	249	402	649	1.10K	1.87K	3.09K	4.99K	8.20K	14.0K	23.7K	38.3K	61.9K	102K	178K	294K	470K	768K	1.37M	
0	20.5	33.2	53.6	88.7	154	255	412	665	1.13K	1.91K	3.16K	5.10K	8.25K	14.3K	24.0K	39.0K	62.0K	105K	180K	300K	475K	787K	1.40M	
0	21.0	34.0	54.9	90.9	158	261	422	680	1.15K	1.96K	3.24K	5.11K	8.45K	14.7K	24.3K	39.2K	63.4K	107K	182K	301K	487K	806K	1.43M	
0	21.5	34.8	56.0	91.0	160	267	430	681	1.18K	2.00K	3.30K	5.23K	8.66K	15.0K	24.9K	40.2K	64.9K	110K	187K	309K	499K	820K	1.47M	

otion	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 5,000	Rohm Part No.
805, 1/4 Watt	1.00 ~ 7.50	150	0.25W	1.25	2.0	0.55	0.4	RHM(Value)CCT-ND	1.41	5.00	16.49	RHM(Value)CTR-ND	46.92/M	MCR10EZHFLxxxx
805, 1/8 Watt	10.0 ~ 2.20M	150	0.125W	1.25	2.0	0.55	0.4	RHM(Value)CCT-ND	.38	1.34	4.41	RHM(Value)CTR-ND	5.52/M	MCR10EZHFxxxx

(Continued)

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MCR18 1%, 1/4 Watt — 1206 Series Resistor Values

1.00	10.0	16.9	27.4	43.2	68.1	115	191	309	487	787	1.30K	2.20K	3.48K	5.49K	8.87K	15.0K	24.3K	39.2K	62.0K	102K	174K	280K	442K	698K	1.18M	1.96M
1.10	10.2	17.4	28.0	44.2	69.8	118	196	316	499	806	1.33K	2.21K	3.57K	5.60K	9.09K	15.4K	24.9K	40.2K	63.4K	105K	178K	287K	453K	715K	1.20M	2.00M
1.20	10.5	17.8	28.7	45.3	71.5	120	200	324	510	820	1.37K	2.26K	3.60K	5.62K	9.10K	15.8K	25.5K	41.2K	64.9K	107K	180K	294K	464K	732K	1.21M	2.05M
1.30	10.7	18.0	29.4	46.4	73.2	121	205	330	511	825	1.40K	2.32K	3.65K	5.76K	9.31K	16.0K	26.1K	42.2K	66.5K	110K	182K	300K	470K	750K	1.24M	2.10M
1.50	11.0	18.2	30.0	47.0	75.0	124	210	332	523	845	1.43K	2.37K	3.74K	5.90K	9.53K	16.2K	26.7K	43.0K	68.0K	113K	187K	301K	475K	768K	1.27M	2.15M
1.60	11.3	18.7	30.1	47.5	76.8	127	215	340	536	866	1.47K	2.40K	3.83K	6.04K	9.76K	16.5K	27.0K	43.2K	68.1K	115K	191K	309K	487K	787K	1.30M	2.20M
1.80	11.5	19.1	30.9	48.7	78.7	130	220	348	549	887	1.50K	2.43K	3.90K	6.19K	10.0K	16.9K	28.0K	44.2K	69.8K	118K	196K	316K	499K	806K	1.33M	
2.00	11.8	19.6	31.6	49.9	80.6	133	221	357	560	909	1.54K	2.49K	3.92K	6.20K	10.2K	17.4K	28.7K	45.3K	71.5K	120K	200K	324K	510K	820K	1.37M	
2.20	12.0	20.0	32.4	51.0	82.0	137	226	360	562	910	1.58K	2.55K	4.02K	6.34K	10.5K	17.8K	29.4K	46.4K	73.2K	121K	205K	330K	511K	825K	1.40M	
2.40	12.1	20.5	33.0	51.1	82.5	140	232	365	576	931	1.60K	2.61K	4.12K	6.49K	10.7K	18.0K	30.0K	47.0K	75.0K	124K	210K	332K	523K	845K	1.43M	
2.70	12.4	21.0	33.2	52.3	84.5	143	237	374	590	953	1.62K	2.67K	4.22K	6.65K	11.0K	18.2K	30.1K	47.5K	76.8K	127K	215K	340K	536K	866K	1.47M	
3.00	12.7	21.5	34.0	53.6	86.6	147	240	383	604	976	1.65K	2.70K	4.30K	6.80K	11.3K	18.7K	30.9K	48.7K	78.7K	130K	220K	348K	549K	887K	1.50M	
3.30	13.0	22.0	34.8	54.9	88.7	150	243	390	619	1.00K	1.69K	2.74K	4.32K	6.81K	11.5K	19.1K	31.6K	49.9K	80.6K	133K	221K	357K	560K	909K	1.54M	
3.60	13.3	22.1	35.7	56.0	90.9	154	249	392	620	1.02K	1.74K	2.80K	4.42K	6.98K	11.8K	19.6K	32.4K	51.0K	82.0K	137K	226K	360K	562K	910K	1.58M	
3.90	13.7	22.6	36.0	56.2	91.0	158	255	402	634	1.05K	1.78K	2.87K	4.53K	7.15K	12.0K	20.0K	33.0K	51.1K	82.5K	140K	232K	365K	576K	931K	1.60M	
4.30	14.0	23.2	36.5	57.6	93.1	160	261	412	649	1.07K	1.80K	2.94K	4.64K	7.32K	12.1K	20.5K	33.2K	52.3K	84.5K	143K	237K	374K	590K	953K	1.62M	
4.70	14.3	23.7	37.4	59.0	95.3	162	267	422	665	1.10K	1.82K	3.00K	4.75K	7.68K	12.7K	21.5K	34.8K	54.9K	88.7K	150K	243K	390K	619K	1.00M	1.69M	
5.10	14.7	24.0	38.3	60.4	97.6	165	270	430	680	1.13K	1.87K	3.01K	4.75K	7.87K	13.0K	22.0K	35.7K	56.0K	90.9K	154K	249K	392K	620K	1.02M	1.74M	
5.60	15.0	24.3	39.0	61.9	100	169	274	432	681	1.15K	1.91K	3.09K	4.87K	7.87K	13.0K	22.0K	35.7K	56.0K	90.9K	154K	249K	392K	620K	1.02M	1.74M	
6.20	15.4	24.9	39.2	62.0	102	174	280	442	698	1.18K	1.96K	3.16K	4.99K	8.06K	13.3K	22.1K	36.0K	56.2K	91.0K	158K	255K	402K	634K	1.05M	1.78M	
6.80	15.8	25.5	40.2	63.4	105	178	287	453	715	1.20K	2.00K	3.24K	5.10K	8.20K	13.7K	22.6K	36.5K	57.6K	93.1K	160K	261K	412K	649K	1.07M	1.80M	
7.50	16.0	26.1	41.2	64.9	107	180	294	464	732	1.21K	2.05K	3.30K	5.11K	8.25K	14.0K	23.2K	37.4K	59.0K	95.3K	162K	267K	422K	665K	1.10M	1.82M	
8.20	16.2	26.7	42.2	66.5	110	182	300	470	750	1.24K	2.10K	3.32K	5.23K	8.45K	14.3K	23.7K	38.3K	60.4K	97.6K	165K	270K	430K	680K	1.13M	1.87M	
9.10	16.5	27.0	43.0	68.0	113	187	301	475	768	1.27K	2.15K	3.40K	5.36K	8.66K	14.7K	24.0K	39.0K	61.9K	100K	169K	274K	432K	681K	1.15M	1.91M	

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 5,000	Rohm Part No.
1%, 1206, 1/4 Watt	1.00 ~ 9.10	200	0.25W	1.6	3.2	0.55	0.5	RHM(Value)FCT-ND	2.09	7.20	23.73	RHM(Value)FTR-ND	71.76/M	MCR18EZHFLxxxx
1%, 1206, 1/4 Watt	10.0 ~ 2.20M	200	0.25W	1.6	3.2	0.55	0.5	RHM(Value)FCT-ND	.47	1.66	5.46	RHM(Value)FTR-ND	9.12/M	MCR18EZHFxxxx

MCR006 5%, 1/20 Watt — 0201 Series Resistor Values

0.0	13	22	36	56	91	150	240	390	620	1.0K	1.6K	2.7K	4.3K	6.8K	11K	18K	30K	47K	75K	120K	200K	330K	510K	820K	1.3M	2.2M	3.6M	5.6M	9.1M
5.6	15	24	39	62	100	160	270	430	680	1.1K	1.8K	3.0K	4.7K	7.5K	12K	20K	33K	51K	82K	130K	220K	360K	560K	910K	1.5M	2.4M	3.9M	6.2M	10M
10	16	27	43	68	110	180	300	470	750	1.2K	2.0K	3.3K	5.1K	8.2K	13K	22K	36K	56K	91K	150K	240K	390K	620K	1.0M	1.6M	2.7M	4.3M	6.8M	
11	18	30	47	75	120	200	330	510	820	1.3K	2.2K	3.6K	5.6K	9.1K	15K	24K	39K	62K	100K	160K	270K	430K	680K	1.1M	1.8M	3.0M	4.7M	7.5M	
12	20	33	51	82	130	220	360	560	910	1.5K	2.4K	3.9K	6.2K	10K	16K	27K	43K	68K	110K	180K	300K	470K	750K	1.2M	2.0M	3.3M	5.1M	8.2M	

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 15,000	Rohm Part No.
5%, 0201, 1/20 Watt	0.0 ~ 10M	25	0.05	0.3	0.6	0.23	0.15	RHM(Value)AGCT-ND	1.02	2.76	6.33	RHM(Value)AGTR-ND	9.00/M	MCR006YZPJxxxx

MCR01 5%, 1/16 Watt — 0402 Series Resistor Values

0.0	2.2	4.3	8.2	18	30	43	68	100	200	300	430	620	1.0K	2.0K	3.0K	4.3K	6.2K	10K	18K	30K	47K	82K	150K	270K	470K	1.0M
1.0	3.0	4.7	10	20	33	47	75	150	220	330	470	680	1.2K	2.2K	3.3K	4.7K	6.8K	11K	22K	33K	56K	100K	180K	300K	560K	3.3M
1.1	3.3	5.1	12	22	36	51	82	160	240	360	510	820	1.5K	2.4K	3.6K	5.1K	7.5K	12K	24K	39K	62K	110K	200K	330K	680K	3.9M
2.0	3.9	5.6	15	27	39	56	91	180	270	390	560	910	1.8K	2.7K	3.9K	5.6K	8.2K	15K	27K	43K	68K	120K	220K	430K	1.0M	

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 10,000	Rohm Part No.
5%, 0402, 1/16 Watt	0.0 ~ 3.3M	50	0.063	0.5	1.0	0.35	0.25	RHM(Value)JCT-ND	.74	1.99	4.57	RHM(Value)JTR-ND	3.73/M	MCR01MZPJxxxx

MCR03 5%, 1/10 Watt — 0603 Series Resistor Values

0.0	1.8	3.9	7.5	15	30	56	110	220	430	820	1.6K	3.3K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M
1.0	2.2	4.3	8.2	16	33	62	120	240	470	910	1.8K	3.6K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3.0M	5.6M
1.1	2.4	4.7	9.1	18	36	68	130	270	510	1.0K	2.0K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M
1.2	2.7	5.1	10	20	39	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M
1.3	3.0	5.6	11	22	43	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1.0M	2.0M	3.9M	8.2M
1.5	3.3	6.2	12	24	47	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	10M
1.6	3.6	6.8	13	27	51	100	200	390	750	1.5K	3.0K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M	

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 5,000	Rohm Part No.
5%, 0603, 1/10 Watt	0.0 ~ 10M	50	0.100W	0.8	1.6	0.45	0.3	RHM(Value)GCT-ND	.69	1.86	4.28	RHM(Value)GTR-ND	3.12/M	MCR03EZPJxxxx

MCR10 5%, 1/8 Watt — 0805 Series Resistor Values

0.0	1.8	3.6	6.8	13	27	51	100	200	390	750	1.5K	3.0K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M
1.0	2.0	3.9	7.5	15	30	56	110	220	430	820	1.6K	3.3K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M
1.1	2.2	4.3	8.2	16	33	62	120	240	470	910	1.8K	3.6K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3.0M	5.6M
1.2	2.4	4.7	9.1	18	36	68	130	270	510	1.0K	2.0K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M
1.3	2.7	5.1	10	20	39	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M
1.5	3.0	5.6	11	22	43	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1.0M	2.0M	3.9M	7.5M
1.6	3.3	6.2	12	24	47	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	8.2M

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 5,000	Rohm Part No.
5%, 0805, 1/8 Watt	0.00 ~ 10M	150	0.125W	1.25	2.0	0.55	0.4	RHM(Value)ACT-ND	.76	2.04	4.68	RHM(Value)ATR-ND	4.50/M	MCR10EZHJxxxx

MCR18 5%, 1/4 Watt — 1206 Series Resistor Values

0.0	1.8	3.6	6.8	13	27	56	110	220	430	820	1.6K	3.9K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M
1.0	2.0	3.9	7.5	15	30	62	120	240	470	910	1.8K	3.8K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3.0M	5.6M
1.1	2.2	4.3	8.2	16	33	68	130	270	510	1.0K	2.0K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M
1.2	2.4	4.7	9.1	18	36	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M
1.3	2.7	5.1	10	20	39	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1.0M	2.0M	3.9M	7.5M
1.5	3.0	5.6	11	22	43	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	8.2M
1.6	3.3	6.2	12	24	51	100	200	390	750	1.5K	3.0K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M	9.1M

Description	Value Range (Ω)	Rated Voltage (V)	Rated Power @70°C	Dimensions (mm) W	L	T	tb	Digi-Key Part No.	Pricing 10	50	200	Digi-Key Part No.	T&R Pricing 5,000	Rohm Part No.
5%, 1206, 1/4 Watt	0.0 ~ 10M	200	0.25W	1.6	3.2	0.55	0.5	RHM(Value)ECT-ND	.91	2.46	5.65	RHM(Value)ETR-ND	7.95/M	MCR18EZHJxxxx

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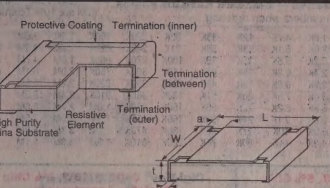
Panasonic 0201 / 0402 / 0603 / 0805 / 1206 / 1210 / 2010 / 2512
1% Precision Thick Film Chip Resistors
Surface Mount Available In 1/20, 1/16, 1/10, 1/8, 1/4, 1/2 and 1 Watt



Size	Power Rating at 70°	Máximum RCWV*	Maximum Overload Voltage	Dimensions L	W	a	b	t	Temperature Coefficient	Panasonic Part No.
0201	1/20 W	15 V	30 V	0.60	0.30	0.10	0.15	0.23	10 ~ 1MΩ±200ppm/°C	ERJ-1GEFxxxC
0402	1/16 W	50 V	100 V	1.00	0.50	0.20	0.25	0.35	10 ~ 1MΩ±100ppm/°C	ERJ-2RKFxxxX
0603	1/16 W - (1/10 W)**	50 V	100 V	1.60	0.80	0.30	0.30	0.45	10 ~ 1MΩ±100ppm/°C	ERJ-3EKFxxxV
0805	1/10 W - (1/8 W)**	150 V	200 V	2.00	1.25	0.40	0.40	0.60	10 ~ 2.2MΩ±100ppm/°C	ERJ-6ENFxxxV
1206	1/8 W - (1/4 W)**	200 V	400 V	3.20	1.60	0.50	0.50	0.60		ERJ-8ENFxxxV
1210	1/4 W	200 V	400 V	3.20	2.50	0.50	0.50	0.60	10 ~ 1MΩ±100ppm/°C	ERJ-14NFxxxU
2010	1/2 W	200 V	400 V	5.00	2.50	0.60	0.60	0.60		ERJ-12SFxxxU
2512	1 W	200 V	400 V	6.40	3.20	0.65	0.60	0.60		ERJ-1TYFxxxU

* Rated Continuous Working Voltage (RCWV) shall be determined from RCWV = √Power Rating x Resistance Values, or max. RCWV listed above, whichever is less ** Available for reduction of load of pulse characteristics (RCWV x 2.5 RCWV x 2.0, R≥1.1kΩ)v600

Description	Value Range (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	50	200	1,000	Digi-Key Part No.	Pkg. Size	Tape & Reel Pricing 4,000	5,000	10,000	12,000	15,000	24,000	25,000	30,000	Panasonic Part No.
1/20 W	10 ~ 1.0MΩ	P(Value)ABCT-ND	2.64	7.10	16.32	55.68	P(Value)ABTR-ND	15,000	—	—	—	—	41.04/M	—	—	36.48/M	ERJ-1GEFxxxC
1/16 W	10.0 ~ 1.00M	P(Value)LCT-ND	58	2.65	6.08	20.74	P(Value)LTR-ND	10,000	—	—	8.51/M	—	—	—	—	7.56/M	ERJ-2RKFxxxX
1/10 W	10.0 ~ 2.20M	P(Value)HCT-ND	90	2.42	5.57	18.99	P(Value)HTR-ND	5,000	—	7.35/M	6.62/M	—	—	—	5.88/M	—	ERJ-3EKFxxxV
1/8 W	10.0 ~ 2.20M	P(Value)CCT-ND	91	2.44	5.61	19.14	P(Value)CTR-ND	5,000	—	7.80/M	7.02/M	—	—	—	6.24/M	—	ERJ-6ENFxxxV
1/4 W	10.0 ~ 2.20M	P(Value)FCT-ND	1.17	3.15	7.23	24.65	P(Value)FTR-ND	5,000	—	13.50/M	12.15/M	—	—	—	10.80/M	—	ERJ-8ENFxxxV
1/4 W	10.0 ~ 1.00M	P(Value)AACT-ND	3.78	10.18	23.38	79.75	P(Value)AATR-ND	5,000	—	70.50/M	63.45/M	—	—	—	56.40/M	—	ERJ-14NFxxxU
1/2 W	10.0 ~ 1MΩ	P(Value)ACCT-ND	6.88	18.50	42.50	145.00	P(Value)ACTR-ND	5,000	—	138.00/M	124.20/M	—	—	—	110.40/M	—	ERJ-12SFxxxU
1 W	10 ~ 1MΩ	PT(Value)AFCT-ND	6.43	22.78	75.04	310.88	PT(Value)AFTR-ND	4,000	248.00/M	—	—	206.00/M	—	171.00/M	—	—	ERJ-1TNFxxxU

Panasonic Standard Resistor Values

23.2	53.6	124	287	665	1.54K	3.57K	8.25K	19.1K	44.2K	102K	237K	549K
23.7	54.9	127	294	681	1.58K	3.65K	8.45K	19.6K	45.3K	105K	243K	562K
24.3	56.2	130	301	698	1.62K	3.74K	8.66K	20.0K	46.4K	107K	249K	576K
24.9	57.6	133	309	715	1.65K	3.83K	8.87K	20.5K	47.5K	110K	255K	590K
25.5	59.0	137	316	732	1.69K	3.92K	9.09K	21.0K	48.7K	113K	261K	604K
26.1	60.4	140	324	750	1.74K	4.02K	9.31K	21.5K	49.9K	115K	267K	619K
26.7	61.9	143	332	768	1.78K	4.12K	9.53K	22.1K	51.1K	118K	274K	634K
27.4	63.4	147	340	787	1.82K	4.22K	9.76K	22.6K	52.3K	121K	280K	649K
28.0	64.9	150	348	806	1.87K	4.32K	10.0K	23.2K	53.6K	124K	287K	665K
28.7	66.5	154	357	825	1.91K	4.42K	10.2K	23.7K	54.9K	127K	294K	681K
29.4	68.1	158	365	845	1.96K	4.53K	10.5K	24.3K	56.2K	130K	301K	698K
30.1	69.8	162	374	866	2.00K	4.64K	10.7K	24.9K	57.6K	133K	309K	715K
30.9	71.5	165	383	887	2.05K	4.75K	11.0K	25.5K	59.0K	137K	316K	732K
31.6	73.2	169	392	909	2.10K	4.87K	11.3K	26.1K	60.4K	140K	324K	750K
32.4	75.0	174	402	931	2.15K	4.99K	11.5K	26.7K	61.9K	143K	332K	768K
33.2	76.8	178	412	953	2.21K	5.11K	11.8K	27.4K	63.4K	147K	340K	787K
34.0	78.7	182	422	976	2.26K	5.23K	12.1K	28.0K	64.9K	150K	348K	806K
34.8	80.6	187	432	1.00K	2.32K	5.36K	12.4K	28.7K	66.5K	154K	357K	825K
35.7	82.5	191	442	1.02K	2.37K	5.49K	12.7K	29.4K	68.1K	158K	365K	845K
36.5	84.5	196	453	1.05K	2.43K	5.62K	13.0K	30.1K	69.8K	162K	374K	866K
37.4	86.6	200	464	1.07K	2.49K	5.76K	13.3K	30.9K	71.5K	165K	383K	887K
38.3	88.7	205	475	1.10K	2.55K	5.90K	13.7K	31.6K	73.2K	169K	392K	909K
39.2	90.9	210	487	1.13K	2.61K	6.04K	14.0K	32.4K	75.0K	174K	402K	931K
40.2	93.1	215	499	1.15K	2.67K	6.19K	14.3K	33.2K	76.8K	178K	412K	953K
41.2	95.3	221	511	1.18K	2.74K	6.34K	14.7K	34.0K	78.7K	182K	422K	976K
42.2	97.6	226	523	1.21K	2.80K	6.49K	15.0K	34.8K	80.6K	187K	432K	1.00M
43.2	100	232	536	1.24K	2.87K	6.65K	15.4K	35.7K	82.5K	191K	442K	1.10M
44.2	102	237	549	1.27K	2.94K	6.81K	15.8K	36.5K	84.5K	196K	453K	1.20M
45.3	105	243	562	1.30K	3.01K	6.98K	16.2K	37.4K	86.6K	200K	464K	1.30M
46.4	107	249	576	1.33K	3.09K	7.15K	16.5K	38.3K	88.7K	205K	475K	1.50M
47.5	110	255	590	1.37K	3.16K	7.32K	16.9K	39.2K	90.9K	210K	487K	1.60M
48.7	113	261	604	1.40K	3.24K	7.50K	17.4K	40.2K	93.1K	215K	499K	1.80M
49.9	115	267	619	1.43K	3.32K	7.68K	17.8K	41.2K	95.3K	221K	511K	2.00M
51.1	118	274	634	1.47K	3.40K	7.87K	18.2K	42.2K	97.6K	226K	523K	2.20M
52.3	121	280	649	1.50K	3.48K	8.06K	18.7K	43.2K	100K	232K	536K	

Panasonic 0201 Resistor Values

27	68	180	470	1.2K	3.3K	8.2K	22K	56K	150K	390K	1.0M
30	75	200	510	1.3K	3.6K	9.1K	24K	62K	160K	430K	
33	82	220	560	1.5K	3.9K	10K	27K	68K	180K	470K	
36	91	240	620	1.6K	4.3K	11K	30K	75K	200K	510K	
39	100	270	680	1.8K	4.7K	12K	33K	82K	220K	560K	
43	110	300	750	2.0K	5.1K	13K	36K	91K	240K	620K	
47	120	330	820	2.2K	5.6K	15K	39K	100K	270K	680K	
51	130	360	910	2.4K	6.2K	16K	43K	110K	300K	750K	
56	150	390	1.0K	2.7K	6.8K	18K	47K	120K	330K	820K	
62	160	430	1.1K	3.0K	7.5K	20K	51K	130K	360K	910K	

chart for value range

Panasonic 2010 Resistor Values

10.0	23.7	56.2	133	316	750	1.78K	4.22K	10.0K	23.7K	56.2K	133K	316K	750K
10.5	24.9	59.0	140	332	787	1.87K	4.42K	10.5K	24.9K	59.0K	140K	332K	787K
11.0	26.1	61.9	147	348	825	1.96K	4.64K	11.0K	26.1K	61.9K	147K	348K	825K
11.5	27.4	64.9	154	365	866	2.05K	4.87K	11.5K	27.4K	64.9K	154K	365K	866K
12.1	28.7	68.1	162	383	909	2.15K	5.11K	12.1K	28.7K	68.1K	162K	383K	909K
12.7	30.1	71.5	169	402	953	2.26K	5.36K	12.7K	30.1K	71.5K	169K	402K	953K
13.3	31.6	75.0	178	422	1.00K	2.37K	5.62K	13.3K	31.6K	75.0K	178K	422K	1M
14.0	33.2	78.7	187	442	1.05K	2.49K	5.90K	14.0K	33.2K	78.7K	187K	442K	
14.7	34.8	82.5	196	464	1.10K	2.61K	6.19K	14.7K	34.8K	82.5K	196K	464K	
15.4	36.5	86.6	205	487	1.15K	2.74K	6.49K	15.4K	36.5K	86.6K	205K	487K	
16.2	38.3	90.9	215	511	1.21K	2.87K	6.81K	16.2K	38.3K	90.9K	215K	511K	
16.9	40.2	95.3	226	536	1.27K	3.01K	7.15K	16.9K	40.2K	95.3K	226K	536K	
17.8	42.2	100	237	562	1.33K	3.16K	7.50K	17.8K	42.2K	100K	237K	562K	
18.7	44.2	105	249	590	1.40K	3.32K	7.87K	18.7K	44.2K	105K	249K	590K	
19.6	46.4	110	261	619	1.47K	3.48K	8.25K	19.6K	46.4K	110K	261K	619K	
20.5	48.7	115	274	649	1.54K	3.65K	8.66K	20.5K	48.7K	115K	274K	649K	
21.5	51.1	121	287	681	1.62K	3.83K	9.09K	21.5K	51.1K	121K	287K	681K	
22.6	53.6	127	301	715	1.69K	4.02K	9.53K	22.6K	53.6K	127K	301K	715K	

Panasonic 2512 Resistor Values

10	25.5	59	150	360	845	2.2K	5.1K	12.4K	30.9K	71.5K	182K	432K
10.5	26.7	61.9	158	374	887	2.26K	5.23K	13K	32.4K	75K	191K	453K
11	27.4	63.4	162	390	910	2.37K	5.49K	13.7K	33.2K	78.7K	200K	470K
11.5	28.7	66.5	169	402	953	2.43K	5.62K	14.3K	34.8K	82K	210K	487K
12	30	68.1	178	422	1K	2.55K	5.9K	15K	36K	84.5K	220K	510K
12.4	30.9	71.5	182	432	1.05K	2.67K	6.19K	15.8K	37.4K	88.7K	226K	523K
13	32.4	75	191	453	1.1K	2.74K	6.34K	16.2K	39K	91K	237K	549K
13.7	33.2	78.7	200	470	1.15K	2.87K	6.65K	16.9K	40.2K	95.3K	243K	562K
14.3	34.8	82	210	487	1.2K	3K	6.81K	17.8K	42.2K	100K	255K	590K
15	36	84.5	220	510	1.24K	3.09K	7.15K	18.2K	43.2K	105K	267K	619K
15.8	37.4	88.7	226	523	1.3K	3.24K	7.5K	19.1K	45.3K	110K	274K	634K
16.2	39	91	237	549	1.37K	3.32K	7.87K	20K	47K	115K	287K	665K
16.9	40.2	95.3	243	562	1.43K	3.48K	8.2K	21K	48.7K	120K	300K	681K
17.8	42.2	100	255	590	1.5K	3.6K	8.45K	22K	51K	124K	309K	715K
18.2	43.2	105	267	619	1.58K	3.74K	8.87K	22.6K	52.3K	130K	324K	750K
19.1	45.3	110	274	634	1.62K	3.9K	9.1K	23.7K	54.9K	137K	332K	787K
20	47	115	287	665	1.69K	4.02K	9.53K	24.3K	56.2K	143K	348K	820K
21	48.7	120	300	681	1.78K	4.22K	10K	25.5K	59K	150K	360K	845K
22	51	124	309	715	1.82K	4.32K	10.5K	26.7K	61.9K	158K	374K	887K
22.6	52.3	130	324	750	1.91K	4.53K	11K	27.4K	63.4K	162K	390K	910K
23.7	54.9	137	332	787	2K	4.7K	11.5K	28.7K	66.5K	169K	402K	953K
24.3	56.2	143	348	820	2.1K	4.87K	12K	30K	68.1K	178K	422K	1M

G

nasonic 1% Chip Resistors

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RSM2F-ND 200 each of Values 100Ω ~ 976Ω $299.00
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RSM1C-ND 200 each of Values 10Ω ~ 97.6Ω $299.00
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RSM2C-ND 200 each of Values 100Ω ~ 976Ω $299.00
RSM3CA-ND 50 each of Values 1.00KΩ ~ 9.76KΩ $119.95
RSM3C-ND 200 each of Values 1.00KΩ ~ 9.76KΩ $299.00
RSM4CA-ND 50 each of Values 10.0KΩ ~ 97.6KΩ $119.95
RSM4C-ND 200 each of Values 10.0KΩ ~ 97.6KΩ $299.00
RSM5CA-ND 50 each of Values 100KΩ ~ 1.00MΩ $119.95
RSM5C-ND 200 each of Values 100KΩ ~ 1.00MΩ $299.00

Panasonic 01005, 0201/0402/0603/0805/1206/1210/2010/2512

Surface Mount 5% Thick Film Chip Resistors — 1/32, 1/20, 1/16, 1/10, 1/8, 1/4, 1/2 and 1 Watt

01005 Series — Standard Resistor Values
See below for complete part numbers when ordering.

10	220	4.7K	100K
15	330	6.8K	150K
22	470	10K	220K
33	680	15K	330K
47	1.0K	22K	470K
68	1.5K	33K	680K
100	2.2K	47K	1.0M
150	3.3K	68K	

0201 Series — Standard Resistor Values
See below for complete part numbers when ordering.

10	47	220	1.0K	4.7K	22K	100K	470K
12	56	270	1.2K	5.6K	27K	120K	560K
15	68	330	1.5K	6.8K	33K	150K	680K
18	82	390	1.8K	8.2K	39K	180K	820K
22	100	470	2.2K	10K	47K	220K	1.0M
27	120	560	2.7K	12K	56K	270K	
33	150	680	3.3K	15K	68K	330K	
39	180	820	3.9K	18K	82K	390K	

0402/0603/0805/1206/1210/2010/2512 Series — Standard Resistor Values
See below for complete part numbers when ordering.

																		* 12M, 15M, 18M and 22M are 10% Tolerance
1.0	2.7	6.8	39	100	270	680	1.8K	4.7K	12K	33K	82K	220K	560K	1.5M	3.9M	10M
1.1	3.0	7.5	43	110	300	750	2.0K	5.1K	13K	36K	91K	240K	620K	1.6M	4.3M	12M*
1.2	3.3	8.2	47	120	330	820	2.2K	5.6K	15K	39K	100K	270K	680K	1.8M	4.7M	15M*
1.3	3.6	20	51	130	360	910	2.4K	6.2K	16K	43K	110K	300K	750K	2.0M	5.1M	18M*
1.5	3.9	22	56	150	390	1.0K	2.7K	6.8K	18K	47K	120K	330K	820K	2.2M	5.6M	22M*
1.6	4.3	24	62	160	430	1.1K	3.0K	7.5K	20K	51K	130K	360K	910K	2.4M	6.2M	
1.8	4.7	27	68	180	470	1.2K	3.3K	8.2K	22K	56K	150K	390K	1.0M	2.7M	6.8M	
2.0	5.1	30	75	200	510	1.3K	3.6K	9.1K	24K	62K	160K	430K	1.1M	3.0M	7.5M	
2.2	5.6	33	82	220	560	1.5K	3.9K	10K	27K	68K	180K	470K	1.2M	3.3M	8.2M	
2.4	6.2	36	91	240	620	1.6K	4.3K	11K	30K	75K	200K	510K	1.3M	3.6M	9.1M	

Digi-Key® 1206, 1/4W, 5% Chip Resistor Assortments

CR1A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) **$79.95**
CR1-KIT-ND 200 ea. (same values as kit above)... **$129.00**

CR2A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) **$79.95**
CR2-KIT-ND 200 ea. (same values as kit above)... **$129.00**

Digi-Key® 0805, 1/8W, 5% Chip Resistor Assortments

CR3A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) **$79.95**
CR3-KIT-ND 200 ea. (same values as kit above)... **$129.00**

CR4A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) **$79.95**
CR4-KIT-ND 200 ea. (same values as kit above)... **$129.00**

Digi-Key® 0603, 1/10W, 5% Chip Resistor Assortments

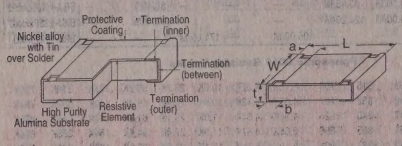
CR5A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) **$85.95**
CR5-KIT-ND 200 ea. (same values as kit above)... **$129.00**

CR6A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) **$85.95**
CR6-KIT-ND 200 ea. (same values as kit above)... **$129.00**

Digi-Key® 0402, 1/16W, 5% Chip Resistor Assortments

CR7A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, 22, etc. 1.0M (3,050) **$89.95**
CR7-KIT-ND 200 ea. (same values as kit above)... **$129.00**

CR8A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) **$89.95**
CR8-KIT-ND 200 ea. (same values as kit above)... **$129.00**



Type	Power Rating	Max. RCWV	Overload Voltage	Dimensions (mm) L	W	t	a	b	Temperature Coefficient	Panasonic Part No.
01005	1/32W	15V	30V	0.40	0.20	0.13	0.10	0.10	<100Ω: ±300ppm/°C 100Ω<: ±200ppm/°C	ERJ-XGEJ
0201	1/20W	15V	30V	0.60	0.30	0.20	0.15	0.15		ERJ-1GEJ
0402	1/16W	50V	100V	1.00	0.50	0.35	0.20	0.25		ERJ-2GEJ
0603	1/10W	50V	100V	1.60	0.80	0.45	0.30	0.30	<10Ω: -100ppm/°C ~ +600ppm/°C	ERJ-3GEY
0805	1/8W	150V	200V	2.00	1.25	0.60	0.40	0.40		ERJ-6GEY
1206	1/4W	200V	400V	3.20	1.60	0.60	0.50	0.50	10Ω ~ 1MΩ: ±200ppm/°C	ERJ-6GEY
1210	1/4W	200V	400V	3.20	2.50	0.60	0.50	0.50		ERJ-14Y
2010	1/2W	200V	400V	5.00	2.50	0.60	0.60	0.60	1MΩ >: -400ppm/°C ~ +600ppm/°C	ERJ-12ZY
2512	1W	250V	500V	6.40	3.20	0.60	0.65	0.60		ERJ-1TY

Description	Value Range	Digi-Key Part No.	Pricing 10	50	200	1,000	Digi-Key Part No.	Package Size	Tape & Reel Pricing 4,000	5,000	10,000	12,000	15,000	20,000	Panasonic Part No.
01005, 1/32 W, 5%	(10-1.0MΩ)	P(Value)ANCT-ND	4.40	15.58	51.31	219.90	P(Value)ANTR-ND	20,000	—	—	—	—	—	115.04/M	ERJ-XGEJxxxY
0201, 1/20 W, 5%	(10-1.0MΩ)	P(Value)AGCT-ND†	1.91	5.14	11.82	40.31	P(Value)AGTR-ND†	15,000	—	—	—	—	26.73/M	—	ERJ-1GEJxxxC
0402, 1/16 W, 5%	(1~10MΩ)	P(Value)JCT-ND†	.84	2.26	5.19	17.69	P(Value)JTR-ND†	10,000	—	—	5.67/M	—	—	—	ERJ-2GEJxxxX
0603, 1/10 W, 5%	(1~22MΩ)*	P(Value)GCT-ND†	.80	2.15	4.93	16.82	P(Value)G TR-ND†	5,000	—	4.50/M	4.05/M	—	—	—	ERJ-3GEYJxxxV
0805, 1/8 W, 5%	(1~22MΩ)*	P(Value)ACT-ND†	.77	2.07	4.76	16.24	P(Value)ATR-ND†	5,000	—	4.80/M	4.32/M	—	—	—	ERJ-6GEYJxxxV
1206, 1/4 W, 5%	(1~22MΩ)*	P(Value)ECT-ND†	.94	2.53	5.82	19.87	P(Value)ETR-ND†	5,000	—	8.55/M	7.70/M	—	—	—	ERJ-8GEYJxxxV
1210, 1/4 W, 5%	(1~10MΩ)	P(Value)VCT-ND	2.70	7.25	16.66	56.84	P(Value)VTR-ND	5,000	—	46.80/M	42.12/M	—	—	—	ERJ-14YJxxxU
2010, 1/2 W, 5%	(1~10MΩ)	P(Value)WCT-ND	4.00	10.77	24.74	84.39	P(Value)WTR-ND	5,000	—	75.30/M	67.77/M	—	—	—	ERJ-12ZYJxxxU
2512, 1 W, 5%	(1~2.2MΩ)	PT(Value)XCT-ND	3.96	14.03	46.20	191.40	PT(Value)XTR-ND	4,000	148.80/M	—	—	124.00/M	—	—	ERJ-1TYJxxxU

† 0.0Ω (zerohm) value also available. * 12M, 15M, 18M and 22M are 10% tolerance.

G

Panasonic 0402/0603/0805/1206/1210/2010/2512, 5% and 0402/0603/0805/1206, 1%

Surface Mount Ultra Low Ohm Thick Film Chip Resistors — 1/10, 1/8, 1/4, 1/2 and 1 Watt

0402, 5% Series Standard Resistor Values
See below for complete part numbers when ordering.

.047	.056	.068	.082				
.051	.062	.075	.091				

0402, 1% Series Standard Resistor Values
See below for complete part numbers when ordering.

.10	.13	.18	.24	.33	.43	.56	.75	
.11	.15	.20	.27	.36	.47	.62	.82	
.12	.16	.22	.30	.39	.51	.68	.91	

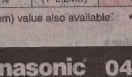
0603/0805/1206/1210/2010/2512, 5% Series
0603/0805/1206, 1% Series Standard Resistor Values
See below for complete part numbers when ordering.

.10	.22	.47	1.0	2.2	4.7	9.1		
.12	.27	.56	1.2	2.7	5.6			
.15	.33	.68	1.5	3.3	6.8			
.18	.39	.82	1.8	3.9	8.2			

2512, 1% Series Standard Resistor Values
See below for complete part numbers when ordering.

.22	.36	.56	.91	1.5	2.4	3.9		
.24	.39	.62	1.0	1.6	2.7	4.3		
.27	.43	.68	1.1	1.8	3.0	4.7		
.30	.47	.75	1.2	2.0	3.3	5.1		
.33	.51	.82	1.3	2.2	3.6	5.6		

Rated Continuous Working Voltage (RCWV):
The rated voltage at each resistance should be calculated from the following equation:
RCWV=√ P x R
RCWV(V):P(W):R(Ω)
Maximum Overload Voltage = RCWV x 2.5



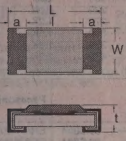
Type	Type (Power Rating)	Dimensions (mm) L	W	t	a	b	Temperature Coefficient (ppm/°C)	Panasonic Part No.
0402	1/8 Watt (5%)	1.00	0.50	0.35	0.24	0.24	±300ppm/°C	ERJ-2BWJ
0402	1/8 Watt (1%)	1.00	0.50	0.20	0.27	0.35	1 ~ 20Ω ±300ppm/°C, 22 ~ 1.0 Ω ÷ ±250ppm/C	ERJ-2BSJ
0603	1/10 Watt	1.6	0.8	0.45	0.30	0.30	1 ~ 82Ω ±300ppm/°C, 1.0 ~ 8.2 Ω ÷ ±200ppm/C	ERJ-3RSJ
0805	1/8 Watt	2.00	1.25	0.60	0.40	0.40	1 ~ 91Ω ±250ppm/°C, 1.0 ~ 9.1 Ω ÷ ±200ppm/C	ERJ-6RSJ
1206	1/4 Watt	3.20	1.60	0.60	0.50	0.50	1 ~ 91Ω ±250ppm/°C, 1.0 ~ 9.1 Ω ÷ ±200ppm/C	ERJ-8RSJ
1210	1/4 Watt	3.20	2.50	0.60	0.50	0.50	1 ~ 91Ω ±200ppm/°C, 1.0 ~ 9.1 Ω ÷ ±100ppm/C	ERJ-14RSJ
2010	1/2 Watt	5.00	2.50	0.60	0.60	0.60	22 ~ 1.0Ω ±200ppm/°C	ERJ-12ZQJ
2512	1 Watt	6.40	3.20	0.60	0.65	0.60	1 ~ 91Ω ±200ppm/°C, 1.0 ~ 9.1 Ω ÷ ±100ppm/C	ERJ-1TRSJ

Description	Value Range	Digi-Key Part No.	Pricing 10	50	200	1,000	Digi-Key Part No.	Package Size	Tape & Reel Pricing 4,000	5,000	10,000	12,000	Panasonic Part No.
0402, 1/8 W, 5%	(.047 ~ .091Ω)	P(Value)AMCT-ND	5.18	18.36	60.48	250.56	P(Value)AMTR-ND	10,000	—	—	164.80/M	—	ERJ-2BWJRxxX
0402, 1/8 W, 1%	(.10 ~ .200)	P(Value)AKCT-ND	8.84	23.80	54.67	186.53	P(Value)AKTR-ND	10,000	—	—	162.87/M	—	ERJ-2BSFRxxX
0402, 1/8 W, 1%	(.22 ~ .910)	P(Value)AKCT-ND	6.78	18.23	41.89	142.91	P(Value)AKTR-ND	10,000	—	—	122.26/M	—	ERJ-2BQFRxxX
0603, 1/10 W, 5%	(.10 ~ .180)	P(Value)AHCT-ND	3.26	8.77	20.15	68.76	P(Value)AHTR-ND	5,000	—	59.13/M	53.22/M	—	ERJ-3RSJxxxV
0603, 1/10 W, 5%	(.22 ~ 8.20)	P(Value)AHCT-ND	1.91	5.13	11.78	40.19	P(Value)AHTR-ND	5,000	—	29.58/M	26.63/M	—	ERJ-3RGJxxxV
0603, 1/10 W, 1%	(.10 ~ .180)	P(Value)AJCT-ND	5.36	14.43	33.15	113.10	P(Value)AJTR-ND	5,000	—	105.00/M	94.50/M	—	ERJ-3RSFxxxV
0603, 1/10 W, 1%	(.22 ~ 8.20)	P(Value)AJCT-ND	3.03	8.14	18.70	63.80	P(Value)AJTR-ND	5,000	—	54.00/M	48.60/M	—	ERJ-3RQFxxxV
0805, 1/8 W, 5%	(.10 ~ .180)	P(Value)BCT-ND	14.03	37.74	86.70	295.80	P(Value)BTR-ND	5,000	—	294.00/M	264.60/M	—	ERJ-6RSJxxxV
0805, 1/8 W, 5%	(.22 ~ 9.10)	P(Value)BCT-ND	6.33	17.02	39.10	133.40	P(Value)BTR-ND	5,000	—	103.50/M	93.15/M	—	ERJ-6RQJxxxV
0805, 1/8 W, 1%	(.22 ~ 9.10)	P(Value)DCT-ND	2.10	7.44	24.50	101.50	P(Value)DTR-ND	5,000	—	74.40/M	62.00/M	—	ERJ-6RQFxxxV
1206, 1/4 W, 5%	(.10 ~ .180)	P(Value)PCT-ND	12.51	33.67	77.35	263.90	P(Value)PTR-ND	5,000	—	261.00/M	234.90/M	—	ERJ-8RSJxxxV
1206, 1/4 W, 5%	(.22 ~ 9.10)	P(Value)PCT-ND	6.06	16.28	37.40	127.60	P(Value)PTR-ND	5,000	—	120.00/M	108.00/M	—	ERJ-8RQJxxxV
1206, 1/4 W, 1%	(.22 ~ 9.10)	P(Value)RCT-ND	2.70	9.56	31.50	130.50	P(Value)RTR-ND	5,000	—	98.40/M	82.00/M	—	ERJ-8RQFxxxV
1210, 1/4 W, 5%	(.10 ~ .180)	P(Value)SCT-ND	5.52	19.55	64.40	266.80	P(Value)STR-ND	5,000	—	211.20/M	176.00/M	—	ERJ-14RSJxxxU
1210, 1/4 W, 5%	(.22 ~ 9.10)	P(Value)SCT-ND	3.42	12.11	39.90	165.30	P(Value)STR-ND	5,000	—	127.20/M	106.00/M	—	ERJ-14RQJxxxU
2010, 1/2 W, 5%	(.22 ~ 1.00)	P(Value)AFCT-ND	5.61	19.87	65.45	271.15	P(Value)AFTR-ND	5,000	—	214.80/M	179.00/M	—	ERJ-12ZQJxxxU
2512, 1 W, 5%	(.10 ~ .180)	PT(Value)UCT-ND	10.68	43.39	154.86	694.20	PT(Value)UTR-ND	4,000	591.75/M	—	—	499.70/M	ERJ-1TRSJxxxU
2512, 1 W, 5%	(.22 ~ 9.10)	PT(Value)UCT-ND	8.99	31.84	104.90	434.57	PT(Value)UTR-ND	4,000	350.04/M	—	—	291.70/M	ERJ-1TRQJxxxU
2512, 1 W, 1%	(.22 ~ 9.10)	PT(Value)YCT-ND	6.76	27.46	98.02	439.40	PT(Value)YTR-ND	4,000	371.25/M	—	—	313.50/M	ERJ-1TRQFxxxU

Panasonic SMD Thick Film Chip Resistors / Low Resistance Type

0603, 0805, 1206, 1210, 1812, 2010, 2512 — For Current Sensing Applications

ures: • Operating Temperature: ERJ- 5°C ~ 125°C, ERJ-M: -55 °C ~ 170°C ating required above 70°C) • Resis- e Range: • 1.0 to100mΩ



Package	Dimensions (mm) L	W	a	t	l
0603	1.60	0.80	0.30	0.45	1.00
0805	2.00	1.25	0.40	0.60	1.20
1206	3.20	1.60	0.50	0.60	2.20
1210	3.20	2.50	0.50	0.60	2.20
1812	4.50	3.20	0.50	0.60	3.50
2010	5.00	2.50	0.60	0.60	3.80
2512 (S Type)	6.40	3.20	1.00	0.80	4.40
2512 (T Type)	6.40	3.20	2.10	0.80	2.20
2512 (L Type)	6.40	3.20	0.65	1.10	5.10

Standard Resistor Values (mΩ) for 0603, 0805, 1206

Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)
47 (47M)	50 (50M)	75 (75M)*	100 (10C)

Standard Resistor Values (mΩ) for 1210, 1812, 2010

Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)
20 (20M)	25 (25M)	39 (39M)	50 (50M)	100 (10C)
22 (22M)	33 (33M)	47 (47M)	75 (75M)*	

Standard Resistor Values (mΩ) for 2512

Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)	Value (Mfg. Code)
1.0 (1M0)	4.0 (4M0)	10 (10M)	20 (20M)
1.5 (1M5)	5.0 (5M0)	12 (12M)	47 (47M)
2.0 (2M0)	6.0 (6M0)	15 (15M)	50 (50M)
3.0 (3M0)	8.0 (8M0)	16 (16M)	100 (10C)

*For 75Ω parts, change K to U in Manufacturer Part Number

See below for complete part numbers when ordering.

RoHS Compliant Parts Available

escription	Type	Value Range (mΩ)	Temperature Coefficient	Digi-Key Part No.	Cut Tape Pricing 10	50	200	Digi-Key Part No.	Tape and Reel Size	Pricing	Panasonic Part No.
603, 1/10 W, 5%	—	47 ~ 100	±200ppm	P(Value)NJCT-ND	6.13	18.28	43.00	P(Value)NJTR-ND	5,000	136.50/M	ERJ-L03KJxxxV
603,1/10 W, 1%	—	47 ~ 100	±200ppm	P(Value)LJCT-ND ***NEW!***	7.20	18.00	50.40	P(Value)LJTR-ND ***NEW!***	5,000	144.00/M	ERJ-L03KFxxxV
1605, 1/8 W, 5%	—	47 ~ 100	±100ppm	P(Value)NLCT-ND	6.70	19.98	47.00	P(Value)NLTR-ND	5,000	150.50/M	ERJ-L06KJxxxV
1605, 1/8 W, 1%	—	47 ~ 100	±100ppm	P(Value)LLCT-ND ***NEW!***	7.60	19.00	53.20	P(Value)LLTR-ND ***NEW!***	5,000	152.00/M	ERJ-L06KFxxxV
1206, 1/4 W, 5%	—	47 ~ 100	±100ppm	P(Value)NPCT-ND	7.70	22.95	54.00	P(Value)NPTR-ND	5,000	175.00/M	ERJ-L08KJxxxV
1206, 1/4 W, 1%	—	47 ~ 100	±100ppm	P(Value)LPCT-ND ***NEW!***	9.36	23.40	65.52	P(Value)LPTR-ND ***NEW!***	5,000	187.00/M	ERJ-L08KFxxxV
1210, 1/4 W, 1%	—	20 ~ 39 47 ~100	±300ppm ±100ppm	P(Value)NACT-ND	5.34	18.91	62.30	P(Value)NATR-ND	5,000	204.00/M	ERJ-L14KFxxxU
1812, 1/2 W, 1%	—	20 ~ 39 47 ~ 100	±300ppm ±100ppm	P(Value)NBCT-ND	6.96	28.28	100.92	P(Value)NBTR-ND	5,000	382.50/M	ERJ-L12KFxxxU
2010, 1/2 W, 1%	—	47 ~ 100	±100ppm	P(Value)NCCT-ND	6.96	28.28	100.92	P(Value)NCTR-ND	5,000	382.50/M	ERJ-L1DKFxxxU
2512, 1 W, 5%	T	1.0 ~ 1.5 2.0	350 ±100ppm 100 ±50ppm	P(Value)TCT-ND	7.76	31.53	112.52	P(Value)TTR-ND	3,000	427.50/M	ERJ-M1WTJxxxU
	S	3.0 ~ 4.0 5.0 ~ 20	±350ppm ±100ppm	P(Value)TCT-ND	7.76	31.53	112.52	P(Value)TTR-ND	3,000	427.50/M	ERJ-M1WSJxxxU
	L	47 ~ 100	±100ppm	P(Value)TCT-ND	7.88	32.01	114.26	P(Value)TTR-ND	3,000	434.25/M	ERJ-L1WKJxxxU
	T	1.0 ~ 1.5 2.0 ~ 4.0	350 ±100ppm 100 ±50ppm	P(Value)NDCT-ND	9.58	38.92	138.91	P(Value)NDTR-ND	3,000	529.88/M	ERJ-M1WTFxxxU
2512, 1 W, 1%	S	3.0 ~ 4.0 5.0 ~ 20	±350ppm ±100ppm	P(Value)MCT-ND	8.16	33.15	118.32	P(Value)MTR-ND	3,000	450.00/M	ERJ-M1WSFxxxU
	L	47 50 ~ 100	±300ppm ±100ppm	P(Value)MCT-ND ***NEW!*** P(Value)MCT-ND	9.24 9.40	37.54 38.19	133.98 136.30	P(Value)MTR-ND ***NEW!*** P(Value)MTR-ND	3,000 3,000	520.00/M 519.75/M	ERJ-L1WKFxxxU

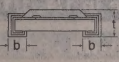
W! **0603, 0805, 1206, 1210 1% Current Sensing Low Resistance Resistor Kit**
1-KIT-ND 20 each of 21 Values ***(RoHS Compliant)*** **$39.95**

NEW! **1812, 2010, 2512 1% Current Sensing Low Resistance Resistor Kit**
ERJ2-KIT-ND 20 each of 26 Values ***(RoHS Compliant)*** **$129.95**

Panasonic Anti-Surge Thick Film Chip Resistors

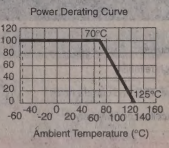
ures:

erating Temperature: -55°C ~ 155°C
proved Anti-Surge characteristics compared to metal n resistors
tal glaze thick film resistive element and three layers of ctrodes result in high reliability
itable for both reflow soldering and flow soldering
ick film resistor with excellent Anti-Pulse characteristic d high rated power



Type	Dimensions (mm) L	W	a	b	t	l
0805	2.00	1.25	0.25	0.40	0.60	1.50
1206	3.20	1.60	0.40	0.50	0.60	2.24
1210	3.20	2.50	0.35	0.50	0.60	2.50

Power Derating Curve



Type	Power Rating at 70°C (W)	Limiting Element Voltage (Maximum RCWV)[1] (V)	Maximum Overload Voltage[2] (V)	Resistance Tolerance (%)	Resistance Range (Ω) Minimum	Maximum	Temperature Coefficient x10⁻⁶ °C (ppm/°C)	Standard Resistance Values
ERJP06	0.125	150	200	±5	10	30	±300	E24 (3 digits)
ERJP06	0.125	150	200	±5	33	1.0M	±200	E24 (3 digits)
ERJP08	0.25	200	400	±5	10	1.0M	±200	E24 (3 digits)
ERJP14	0.5	200	400	±5	1.0	1.0M	±200	E24 (3 digits)

Rated Continuous Working Voltage (RCWV) shall be determined from RCWV = √ Power Rating x Resistance Values, or Limiting Element Voltage (maximum RCWV) listed above, whichever is less.
Overload (Short-time Overload) Test Voltage (SOTV) shall be determined from SOTV = 2.5 x Power Rating or maximum Overload Voltage listed above whichever is less.

Standard Resistor Values (See below for complete part numbers when ordering.)

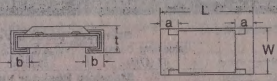
1.0	2.7	6.8	18	47	120	330	820	2.2K	5.6K	15K	39K	100K	270K	680K
1.1	3.0	7.5	20	51	130	360	910	2.4K	6.2K	16K	43K	110K	300K	750K
1.2	3.3	8.2	22	56	150	390	1.0K	2.7K	6.8K	18K	47K	120K	330K	820K
1.3	3.6	9.1	24	62	160	430	1.1K	3.0K	7.5K	20K	51K	130K	360K	910K
1.5	3.9	10	27	68	180	470	1.2K	3.3K	8.2K	22K	56K	150K	390K	1.0M
1.6	4.3	11	30	75	200	510	1.3K	3.6K	9.1K	24K	62K	160K	430K	
1.8	4.7	12	33	82	220	560	1.5K	3.9K	10K	27K	68K	180K	470K	
2.0	5.1	13	36	91	240	620	1.6K	4.3K	11K	30K	75K	200K	510K	
2.2	5.6	15	39	100	270	680	1.8K	4.7K	12K	33K	82K	220K	560K	
2.4	6.2	16	43	110	300	750	2.0K	5.1K	13K	36K	91K	240K	620K	

escription	Value Range (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	50	200	1,000	Digi-Key Part No.	Tape and Reel Pricing 5,000	10,000	25,000	50,000	Panasonic Part No.
0805, 1/8 W, 5%	10 ~ 1.0M	P(Value)ADCT-ND	1.65	4.93	11.60	34.80	P(Value)ADTR-ND	26.60/M	22.80/M	20.90/M	19.00/M	ERJ-P06JxxxV
1206, 1/4 W, 5%	10 ~ 1.0M	P(Value)ALCT-ND	2.01	5.99	14.10	42.30	P(Value)ALTR-ND	35.35/M	30.30/M	27.78/M	25.25/M	ERJ-P08JxxxV
2010, 1/2 W, 5%	1.0 ~ 1.0M	P(Value)ASCT-ND	3.56	10.63	25.00	75.00	P(Value)ASTR-ND	73.50/M	63.00/M	57.75/M	42.00/M	ERJ-P14JxxxU

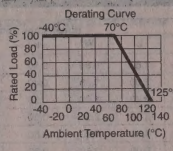
Panasonic Metal Film Thermosensitive Chip Resistors

Features:

- Recommended for temperature correction circuits
- Temperature coefficient value 1000 x 10^{-6}/°C (ppm/°C) to 4700 x 10^{-6}/°C (ppm/°C)
- Quick response to temperature change
- Excellent linear resistance value change in wide temperature range (-40°C ~ 125°C)
- High reliability, high density placing
- Suitable for both reflow soldering and flow soldering



Type	Dimensions (mm) L	W	a	b	t
0402	1.00	0.50	0.15	0.25	0.35
0603	1.60	0.80	0.30	0.30	0.45
0805	2.00	1.25	0.40	0.40	0.50



Standard Resistor Values (Ω)

See below for complete part numbers when ordering.

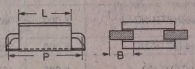
5.6	27	120	560	2.7K
6.8	33	150	680	3.3K
8.2	39	180	820	3.9K
10	47	220	1.0K	4.7K
12	56	270	1.2K	5.6K
15	68	330	1.5K	6.8K
18	82	390	1.8K	8.2K
22	100	470	2.2K	10K

Description	TCR (ppm/°C)	Value Range (Ω)	TCR Tolerance	Digi-Key Part No.	Cut Tape Pricing 10	50	200	Digi-Key Part No.	Tape and Reel Pricing 5,000	10,000	25,000	30,000	Panasonic Part No.
0402, 1/32 W, 5%	+2700 +3300	47 ~ 1.0K 22 ~ 390	— —	P(Value)CLCT-ND P(Value)CMCT-ND	4.12 4.12	14.60 14.60	48.09 48.09	P(Value)CLTR-ND P(Value)CMTR-ND	— —	97.05/M 97.05/M	— —	90.58/M 90.58/M	ERA-W27Jxxxx ERA-W33Jxxxx
0603, 1/16 W, 5%	+1500 +2700 +3300 +3900	10 ~ 10K 47 ~ 3.3K 22 ~ 1.2K 5.6 ~ 390	±200 x ppm/°C ±10% ±10% ±10%	P(Value)CFCT-ND P(Value)CGCT-ND P(Value)CHCT-ND P(Value)CJCT-ND	5.52 5.52 5.52 5.52	19.55 19.55 19.55 19.55	64.40 64.40 64.40 64.40	P(Value)CFTR-ND P(Value)CGTR-ND P(Value)CHTR-ND P(Value)CJTR-ND	146.08/M 146.08/M 146.08/M 146.08/M	132.00/M 132.00/M 132.00/M 132.00/M	123.20/M 123.20/M 123.20/M 123.20/M	— — — —	ERA-V15Jxxx V ERA-V27Jxxx V ERA-V33Jxxx V ERA-V39Jxxx V
0805, 1/10 W, 5%	+1500 +2700 +3300 +3900	10 ~ 10K 47 ~ 4.7K 22 ~ 1.8K 5.6 ~ 470	±200 x ppm/°C ±10% ±10% ±10%	P(Value)CBCT-ND P(Value)CCCT-ND P(Value)CDCT-ND P(Value)CECT-ND	5.52 5.52 5.52 5.52	19.55 19.55 19.55 19.55	64.40 64.40 64.40 64.40	P(Value)CBTR-ND P(Value)CCTR-ND P(Value)CDTR-ND P(Value)CETR-ND	146.08/M 146.08/M 146.08/M 146.08/M	132.00/M 132.00/M 132.00/M 132.00/M	123.20/M 123.20/M 123.20/M 123.20/M	— — — —	ERA-S15Jxxx V ERA-S27Jxxx V ERA-S33Jxxx V ERA-S39Jxxx V

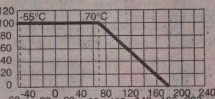
Panasonic 1 & 2 Watt — 5% SMD Metal Film Fixed Resistors

Features:

- Non-flammable nature
- High reliability
- Approved under the ISO 9001 system



Type	Dimensions (mm) P	L	W	H	A	B
1 Watt	12.5	9.0	5.6	5.0	1.5	3.0
2 Watt	15.0	12.0	6.4	5.8	1.5	4.0



Standard Resistor Values (Ω)

See below for complete part numbers when ordering.

.022	.082	.33	1.2	4.7
.027	.10	.39	1.5	5.6
.033	.12	.47	1.8	6.8
.039	.15	.56	2.2	8.2
.047	.18	.68	2.7	
.056	.22	.82	3.3	
.068	.27	1.0	3.9	

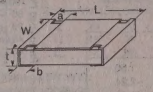
Description	Value Range (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	50	200	Digi-Key Part No.	Pkg. Size	Tape and Reel Pricing 1,000	2,000	5,000	6,000	Panasonic Part No.
1 Watt, 5%	.022 ~ .082	PRX1W(Value)CT-ND	55.99	150.66	346.12	PRX1W(Value)TR-ND	2,000	—	806.40/M	—	645.12/M	ERX-1HQJxxMH
	.10 ~ .18	PRX1W(Value)CT-ND	38.13	102.59	235.69	PRX1W(Value)TR-ND	2,000	—	546.56/M	—	437.25/M	ERX-1HZJxxxH
	.22 ~ 8.2	PRX1W(Value)CT-ND	33.66	90.58	208.08	PRX1W(Value)TR-ND	2,000	—	481.60/M	—	385.28/M	ERX-1HJxxxH
2 Watt, 5%	.022 ~ .082	PRX2W(Value)CT-ND	59.84	161.02	369.92	PRX2W(Value)TR-ND	1,000	862.40	—	689.92/M	—	ERX-2HQJxxMH
	.10 ~ .18	PRX2W(Value)CT-ND	43.67	117.51	269.96	PRX2W(Value)TR-ND	1,000	627.20	—	501.76/M	—	ERX-2HZJxxxH
	.22 ~ 8.2	PRX2W(Value)CT-ND	38.13	102.59	235.69	PRX2W(Value)TR-ND	1,000	546.56	—	437.25/M	—	ERX-2HJxxxH

Panasonic ERA 0603/0805 .1% Metal Film Chip Resistors

Surface Mount — Available In 1/4, 1/16 and 1/10 Watt

Features:

- High reliability
- Low TCR and current noise
- Excellent non-linearity



Type	Type (Power Rating)	Max. RCWV	Max. Overload Voltage	Dimensions (mm) L	W	a	b	t	Temperature Coefficient	Panssonic Part No.
0603	1/16 Watt	75V	150V	1.60	0.80	0.30	0.30	0.45	±25ppm/°C	ERA-3YE
0805	1/10 Watt	100V	200V	2.00	1.25	0.40	0.40	0.50	±25ppm/°C	ERA-6YE
1210	1/4 Watt	150V	300V	3.20	2.50	0.50	0.50	0.60	±25ppm/°C	ERA-14EB

Standard Resistor Values

See below for complete part numbers when ordering.

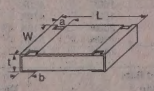
100	150	220	330	470	680	1.0K	1.5K	2.2K	3.3K	4.7K	6.8K	10K	15K	22K	33K	47K	68K	100K	150K
110	160	240	360	510	750	1.1K	1.6K	2.4K	3.6K	5.1K	7.5K	11K	16K	24K	36K	51K	75K	110K	160K
120	180	270	390	560	820	1.2K	1.8K	2.7K	3.9K	5.6K	8.2K	12K	18K	27K	39K	56K	82K	120K	180K
130	200	300	430	620	910	1.3K	2.0K	3.0K	4.3K	6.2K	9.1K	13K	20K	30K	43K	62K	91K	130K	200K

Description	Value Range (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	50	200	1,000	Digi-Key Part No.	Pkg. Size	Tape and Reel Pricing 5,000	10,000	25,000	50,000	Panasonic Part No.
0603, 1/16 W, .1%	100 ~ 33K	P(Value)YCT-ND	5.94	21.04	69.30	287.10	P(Value)YTR-ND	5,000	157.70/M	142.50/M	133.00/M	128.25/M	ERA-3YEBxxxV
0805, 1/10 W, .1%	100 ~ 100K	P(Value)ZCT-ND	6.24	22.10	72.80	301.60	P(Value)ZTR-ND	5,000	166.00/M	150.00/M	140.00/M	135.00/M	ERA-6YEBxxxV
1210, 1/4 W, .1%	100 ~ 200K	P(Value)QCT-ND ***NEW!***	17.74	44.35	124.18	443.50	P(Value)QTR-ND ***NEW!***	5,000	347.00/M	303.00/M	243.00/M	225.00/M	ERA-14EBxxxU

Panasonic ERA 1210 .5% Metal Film Chip Resistors 1/4 Watt

Features:

- High reliability
- Low TCR and current noise
- Excellent non-linearity



Type	Type (Power Rating)	Max. RCWV	Max. Overload Voltage	Dimensions (mm) L	W	a	b	t	Temperature Coefficient	Panasonic Part No.
1210	1/4 Watt	150V	300V	3.20	2.50	0.50	0.50	0.60	±50ppm/°C	ERA-14H

Standard Resistor Values (Ω)

See below for complete part numbers when ordering.

10	16	27	43	68
11	18	30	47	75
12	20	33	51	82
13	22	36	56	91
15	24	39	62	

Description	Value Range (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	50	200	1,000	Digi-Key Part No.	Pkg. Size	Tape and Reel Pricing 5,000	10,000	25,000	50,000	Panasonic Part No.
1210, 1/4 W, .5%	10 ~ 91	P(Value)APCT-ND	6.48	22.95	75.60	313.20	P(Value)APTR-ND	5,000	172.64/M	156.00/M	145.60/M	140.40/M	ERA-14HDxxxU

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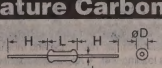
Panasonic 5% Miniature Carbon Film Resistors

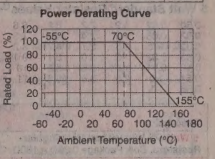
res:
- reliability using carbon film
- n Axial taping style for automatic inserting
- hine
- or code marking

- Uses UL 94 V-0 approved coating for flame retardant type
- Approved under the ISO 9001 system
- Reference Standard: IEC 60115-2, JIS C 5201-2
- Miniaturized version



Type	Dimensions (mm) L	D	d	H	Mass (mg)
1/4W, 5%	3.20	1.70	0.45	20 minimum	107
1/2W, 5%	6.35	2.30	0.60	20 minimum	228

pe	Power Rating at 70°C (W)	Limiting Element Volt. (Maximum RCWV)[1] (V)	Maximum Overload Volt.[2] (V)	Maximum Intermittent Overload Volt.[3] (V)	Dielectric Withstanding Voltage (VAC)	Standard Resistance Value	Resistance Tolerance (%)	Resistance Range (Ω) minimum	maximum
S2T	0.25	250	500	750	300	E24	±5 (J)	0	2.2M
S1T	0.5	300	600	750	500	E24	±5 (J)	1	3.3M



ed Voltage =√Power Rating x Resistance Value or Limiting Element Voltage (maximum RCWV), whichever is less. (RCWV: Rated Continuous working Voltage).
erload (Short-time Overload) Test Voltage (SOTV) shall be determined from SOTV = 2.5 x Power Rating or maximum Overload Voltage listed above whichever is less.
ermittent Overload Test Voltage (IOTV) shall be determined from IOTV = 4 x Power Rating (IOTV = 3 x Power Rating for ERDS2 type) or maximum Intermittent Overload Voltage
d above whichever is less.

Standard Resistor Values

See below for complete part numbers when ordering.

2.0	4.3	9.1	20	43	91	200	430	910	2.0K	4.3K	9.1K	20K	43K	91K	200K	430K	910K	2.0M
2.2	4.7	10	22	47	100	220	470	1.0K	2.2K	4.7K	10K	22K	47K	100K	220K	470K	1.0M	2.2M
2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	240K	510K	1.1M	2.4M*
2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	270K	560K	1.2M	2.7M*
3.0	6.2	13	30	62	130	300	620	1.3K	3.0K	6.2K	13K	30K	62K	130K	300K	620K	1.3M	3.0M*
3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	330K	680K	1.5M	3.3M*
3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	160K	360K	750K	1.6M	
3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	180K	390K	820K	1.8M	

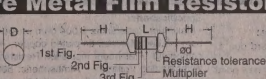
available in 1/2 Watt ‡ Not available in 1/2 Watt

escription	Value Range (Ω)	Digi-Key Part No.	Pricing 10	50	200	1,000	Digi-Key Part No.	Pkg. Size	Tape & Box Pricing 2,000	5,000	6,000	10,000	Panasonic Part No.
S2T 1/4W, 5%	0.0-2.2M	P(Value)BACT-ND	.67	2.14	4.88	15.86	P(Value)BATB-ND	5,000	—	6.83/M	—	6.30/M	ERD-S2TJxxxV
S1T 1/2W, 5%	1.0-3.3M	P(Value)BBCT-ND	.95	3.03	6.92	22.49	P(Value)BBTB-ND	2,000	15.12/M	—	13.95/M	12.79/M	ERD-S1TJxxxV

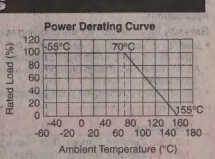
Panasonic 1% Miniature Metal Film Resistors

res:
- T.C.R., low noise, high reliability
- ng style for automatic inserting machine

- 5 color code marking
- Approved under the ISO 9001 system
- Reference Standard: IEC 60115-2, JIS C 5201-2



Type	Dimensions (mm) L	D	d	H	Mass (mg)
1/4W, 1%	3.20	1.70	0.45	30	107



	Power Rating at 70°C (W)	Limiting Element Voltge (Maximum RCWV)[1] (V)	Maxmum Overload Voltage[2] (V)	Dielectric Withstanding Voltage (V)	T.C.R. x10^{-6}/°C (ppm/°C)	Resistance Tolerance (%)	Resistance Range (Ω) minimum	maximum	Resistance Value
2P	0.25	250	500	300	±50	F(±1)	10	1M	E24

ed Voltage =√Power Rating x Resistance Value or Limiting Element Voltage (maximum RCWV), whichever is less. (RCWV: Rated Continuous working Voltage).
erload (Short-time Overload) Test Voltage (SOTV) shall be determined from SOTV = 2.5 x Power Rating or maximum Overload Voltage listed above whichever is less.

Standard Resistor Values

See below for complete part numbers when ordering.

20.0	39.0	75.0	150	300	560	1.10K	2.20K	4.30K	8.20K	16.0K	33.0K	62.0K	120K	240K	470K	910K	
22.0	43.0	82.0	160	330	620	1.20K	2.40K	4.70K	9.10K	18.0K	36.0K	68.0K	130K	270K	510K	1.00M	
24.0	47.0	91.0	180	360	680	1.30K	2.70K	5.10K	10.0K	20.0K	39.0K	75.0K	150K	300K	560K		
27.0	51.0	100	200	390	750	1.50K	3.00K	5.60K	11.0K	22.0K	43.0K	82.0K	160K	330K	620K		
30.0	56.0	110	220	430	820	1.60K	3.30K	6.20K	12.0K	24.0K	47.0K	91.0K	180K	360K	680K		
33.0	62.0	120	240	470	910	1.80K	3.60K	6.80K	13.0K	27.0K	51.0K	100K	200K	390K	750K		
36.0	68.0	130	270	510	1.00K	2.00K	3.90K	7.50K	15.0K	30.0K	56.0K	110K	220K	430K	820K		

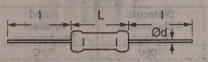
cription	Value Range (Ω)	Digi-Key Part No.	Pricing 10	50	200	1,000	Digi-Key Part No.	Package Size	Tape & Box Pricing 5,000	10,000	50,000	100,000	Panasonic Part No.
S2P 1/4W, 1%	10.0-1.0M	P(Value)CACT-ND	1.71	4.95	13.05	33.75	P(Value)CATB-ND	5,000	18.75/M	16.00/M	13.00/M	11.00/M	ERO-S2PHFxxxV

Panasonic 5% Metal Oxide Film Resistors

Now Available In Tape and Reel

shita fixed metal oxide film resistors feature small sized sions and have higher power rating at the same size as nventional type.

res:
- retardancy of the exclusively formulated inorganic insula- naterial exhibits an equivalent performance requirements -94 (VE-0) and when operated at a potential less than nas RCWV, Matsushita metal (oxide) film resistors never nor arc.
- coating and markings resist normal washing of solvents, as Freon (TE, TMC, TF), trichloroethane.



Type	Maximum Working Voltage	Dimensions (mm) L	l	D	d
1W	350	9.0	30.0	2.8	0.65
2W	350	12.0	30.0	4.0	0.80
3W	350	15.0	38.0	5.5	0.80

Characteristics:

Temperature Coefficient	R, Wattage of 1, 2, 3 ±350ppm/°C
Voltage Coefficient	25ppm/V Maximum
Insulation Resist.	10,000 MΩ Minimum
Temperature Cycling	±(1% + 0.05Ω) Maximum
Short-time Overload	±(2% + 0.05Ω) Maximum
Humidity (Steady State)	±(2% + 0.05Ω) Maximum
Load Life in Humidity	±(5% + 0.05Ω) Maximum
Load Life	±(5% + 0.05Ω) Maximum
Resistance to Soldering Heat	±(1% + 0.05Ω) Maximum
Vibration Low Frequency	±(1% + 0.05Ω) Maximum
Thermal Shock	±(2% + 0.05Ω) Maximum
Noise	1.0μV/V Maximum

Standard Resistor Values

See below for complete part numbers when ordering.

7	0.82	1.5	2.7	4.7	8.2	15	27	47	82	150	270	470	820	1.5K	2.7K	4.7K	8.2K	15K	27K	47K	82K
1	0.91	1.6	3.0	5.1	9.1	16	30	51	91	160	300	510	910	1.6K	3.0K	5.1K	9.1K	16K	30K	51K	91K
5	1.0	1.8	3.3	5.6	10	18	33	56	100	180	330	560	1.0K	1.8K	3.3K	5.6K	10K	18K	33K	56K	100K
2	1.1	2.0	3.6	6.2	11	20	36	62	110	200	360	620	1.1K	2.0K	3.6K	6.2K	11K	20K	36K	62K	
8	1.2	2.2	3.9	6.8	12	22	39	68	120	220	390	680	1.2K	2.2K	3.9K	6.8K	12K	22K	39K	68K	
5	1.3	2.4	4.3	7.5	13	24	43	75	130	240	430	750	1.3K	2.4K	4.3K	7.5K	13K	24K	43K	75K	

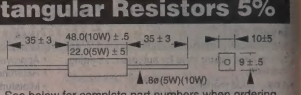
scription	Digi-Key Part No.	Pricing 1	5	100	1M	5M	10M
Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-68KΩ)	P(Value)W-1BK-ND (i.e., P20W-1BK-ND)	.23	.86	9.78	67.42	60.04/M	53.94/M
Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-68KΩ)	P(Value)W-1TR-ND (i.e., P1.0KW-1TR-ND)	—	—	—	—	63.89/M	57.41/M
Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-100KΩ)	P(Value)W-2BK-ND (i.e., P20W-2BK-ND)	.28	1.03	13.26	81.18	72.24/M	64.80/M
Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-100KΩ)	P(Value)W-2TR-ND (i.e., P1.0KW-2TR-ND)		277.88/3M	494.84/6M	889.22/12M	1729.13/27M	
Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-100KΩ)	P(Value)W-3BK-ND (i.e., P20W-3BK-ND)	.51	2.38	30.54	183.25	176.47/M	169.68/M
Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-100KΩ)	P(Value)W-3TR-ND (i.e., P1.0KW-3TR-ND)		309.68/1,500	1102.94/6M	1734.20/10,500	3639.91/25,500	

YAGEO 5 and 10 Watt Wirewound and Metal Oxide Film Rectangular Resistors 5%

Axial Lead Type

• Operating Temperature Range: -55°C ~ 155°C

• Exceptionally small and sturdy; mechanically safe. Excellent electrical characteristics. • The materials used and the construction techniques ensure excellent flame resistance, arc resistance and moisture resistance as well as self-extinguishing capabilities. They will withstand the most rigorous loading test. • Applicable specifications: EIA RS-344 and EIA RC649.



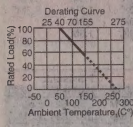
5 Watt Standard Resistor Values — See below for complete part numbers when ordering.

0.30	0.62	1.2	2.2	3.9	6.8	12	22	39	68	120	220	390	680	1.2K
0.33	0.68	1.3	2.4	4.3	7.5	13	24	43	75	130	240	430	750	1.3K
0.39	0.75	1.5	2.7	4.7	8.2	15	27	47	82	150	270	470	820	1.5K
0.43	0.82	1.6	3.0	5.1	9.1	16	30	51	91	160	300	510	910	1.6K
0.47	0.91	1.8	3.3	5.6	10	18	33	56	100	180	330	560	1.0K	1.8K
0.51	1.0	2.0	3.6	6.2	11	20	36	62	110	200	360	620	1.1K	2.0K
0.56	1.1													

10 Watt Standard Resistor Values — See below for complete part numbers when ordering.

1.0	1.8	3.3	5.6	10	18	33	56	100	180	300	470	750	1.2K	2.0K
1.1	2.0	3.6	6.2	11	20	36	62	110	200	330	510	820	1.3K	2.2K
1.2	2.2	3.9	6.8	12	22	39	68	120	220	360	560	910	1.5K	2.4K
1.3	2.4	4.3	7.5	13	24	43	75	130	240	390	620	1.0K	1.6K	2.7K
1.5	2.7	4.7	8.2	15	27	47	82	150	270	430	680	1.1K	1.8K	3.0K
1.6	3.0	5.1	9.1	16	30	51	91	160						

Description	Digi-Key Part No.	Pricing 1	10	100	1M	5M	10M
5 Watt, 5% Wirewound Rectangular Resistors, Bulk Package 0.30Ω ~ 180Ω	(Value)W-5-ND (i.e. 0.30W-5-ND)	.33	2.78	22.24	133.44	119.54/M	105.64/M
5 Watt, 5% Metal Oxide Film Rectangular Resistors, Bulk Package 200Ω ~ 2.0KΩ	(Value)W-5-ND (i.e. 200W-5-ND)	.33	2.78	22.24	133.44	119.54/M	105.64/M
10 Watt, 5% Wirewound Rectangular Resistors, Bulk Package 1.0Ω ~ 270Ω	(Value)W-10-ND (i.e. 1.0W-10-ND)	.49	4.07	32.58	195.46	175.10/M	154.74/M
10 Watt, 5% Metal Oxide Film Rectangular Resistors, Bulk Package 300Ω ~ 3.0KΩ	(Value)W-10-ND (i.e. 300W-10-ND)	.49	4.07	32.58	195.46	175.10/M	154.74/M



Digi-Key® 5 Watt Resistor Assortment Kit

RS105-ND 0.30Ω-0.91Ω — 5 each 60 Resistors **$23.95**

RS205-ND 1.0Ω-9.1Ω — 4 each 96 Resistors **$32.95**

RS305-ND 10Ω-91Ω — 4 each 96 Resistors **$32.95**

RS405-ND 100Ω-2.0KΩ — 3 each 96 Resistors **$32.95**

Digi-Key® 10 Watt Resistor Assortment Kit

2 each of all 10 watt standard resistor values listed above. A total of 168 resistors.

RS110-ND **$72.95**

YAGEO Zerohm Jumper Wires

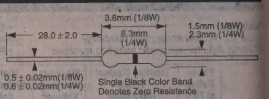
Applications:

Generally they are used for the following reasons:

- Inability to connect two points on a P.C. Board due to other circuit paths which must be crossed over.
- An After-the-Fact design change that requires new point connections.
- Circuit tuning by changing point connections.

Specifications:

• Maximum Resistance: 0.004 ohm on 1/8 watt, 0.003Ω on 1/4 watt • Typical Resistance: 0.002Ω on both • Lead Material: tin-plated copper • Body Material: electrical grade, high performance molding compound • Minimum Insulation Resistance — Dry: 10,000MΩ, Wet: 100MΩ • Minimum Dielectric Withstanding Voltage — Atmospheric: 500V RMS, Reduced: 325V RMS • Insulation Flammability: resistor-insulation is self extinguishing within 10 seconds after externally applied flame is removed • Current Rating: 25 Amps at 25°C, derating to 0 Amps at 150°C.



Description	Digi-Key Part No.	Pricing 5	200	1M	5M	10M	50M
1/8 Watt Zerohm Jumper, Bulk Package	0.0EBK-ND	.22	6.98	14.00	12.84/M	11.63/M	10.74/M
1/8 Watt Zerohm Jumper, Tape/Reel (5M Pcs./Reel)	0.0ETR-ND	—	—	—	15.80/M	14.87/M	12.16/M
1/4 Watt Zerohm Jumper, Bulk Package	0.0QBK-ND	.30	5.55	11.28	10.38/M	9.41/M	8.69/M
1/4 Watt Zerohm Jumper, Tape/Reel (5M Pcs./Reel)	0.0QTR-ND	—	—	—	12.11/M	11.39/M	9.34/M

YAGEO 5% Carbon Film Resistors

Available In 1/6, 1/4 and 1/2 Watt

Standard Resistor Values

See below for complete part numbers when ordering.

1.0	1.8	3.3	5.6	10	18	33	56	100	180	330	560	1.0K	1.8K	3.3K	5.6K	10K	18K	33K	56K	100K	180K
1.1	2.0	3.6	6.2	11	20	36	62	110	200	360	620	1.1K	2.0K	3.6K	6.2K	11K	20K	36K	62K	110K	200K
1.2	2.2	3.9	6.8	12	22	39	68	120	220	390	680	1.2K	2.2K	3.9K	6.8K	12K	22K	39K	68K	120K	220K
1.3	2.4	4.3	7.5	13	24	43	75	130	240	430	750	1.3K	2.4K	4.3K	7.5K	13K	24K	43K	75K	130K	240K
1.5	2.7	4.7	8.2	15	27	47	82	150	270	470	820	1.5K	2.7K	4.7K	8.2K	15K	27K	47K	82K	150K	270K
1.6	3.0	5.1	9.1	16	30	51	91	160	300	510	910	1.6K	3.0K	5.1K	9.1K	16K	30K	51K	91K	160K	300K

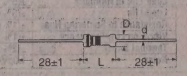
100K	180K	330K	560K	1.0M	1.8M	3.3M	5.6M	10M		
110K	200K	360K	620K	1.1M	2.0M	3.6M	6.2M			
120K	220K	390K	680K	1.2M	2.2M	3.9M	6.8M			
130K	240K	430K	750K	1.3M	2.4M	4.3M	7.5M			
150K	270K	470K	820K	1.5M	2.7M	4.7M	8.2M			
160K	300K	510K	910K	1.6M	3.0M	5.1M	9.1M			

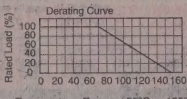
CFR Series

Type (Power Rating)	Dimensions (mm) L	D	d	Maximum Working Voltage	Maximum Overload Voltage	Dielectric Withstanding Voltage	Rated Ambient Temperature	Temperature Cycling	Resistance Range	Resistance Tolerance
1/6 Watt *	3.3 ± 0.4	1.8 ± 0.3	0.5 ± 0.05	150V	300V	300V	70°C	-55°C ~ 155°C	1.0Ω ~ 10MΩ	±5%
1/4 Watt	6.3 ± 0.5	2.3 ± 0.3	0.6 ± 0.05	250V	500V	500V	70°C	-55°C ~ 155°C	1.0Ω ~ 10MΩ	±5%
1/2 Watt	9.0 ± 0.5	3.2 ± 0.5	0.6 ± 0.05	350V	700V	500V	70°C	-55°C ~ 155°C	1.0Ω ~ 10MΩ	±5%

Features:

- Industry's lowest cost!
- Available in 1/6, 1/4, 1/2 watt; packaged in bulk or tape/reel (except 1/2 watt)
- Exceeds carbon comp MIL-R-11 performance
- Standard tolerance: ±5%
- Exceptional long-term stability





Characteristics: • Operating Temperature Range: -55°C ~ 155°C • Solderability: 235°C for 5±0.5 seconds • Short Time Overload: 2.5 Times RCW V. for 5 seconds • Resistance To Solvent: Trichroethane for 1 minute with ultrasonic • Pulse Overload: 4 times RCW V 10000 cycles (1second on, 25 seconds off)

Description	Digi-Key Part No.	Pricing 5	200	1M	5M	10M	50M
1/6 Watt, 5% Carbon Film Resistors (* Power rating at 70°C = 1/6W) Bulk Package	(Value)EBK-ND (i.e., 1.0EBK-ND)	.26	4.30	12.47	11.18/M	10.32/M	9.46/M
1/6 Watt, 5% Carbon Film Resistors — Tape and Reel (* Power rating at 70°C = 1/6W) (5,000 pcs./reel — Order in multiples of 5,000)	(Value)ETR-ND (i.e., 1.0ETR-ND)	—	—	—	13.46/M	12.42/M	9.94/M
1/4 Watt, 5% Carbon Film Resistors Bulk Package	(Value)QBK-ND (i.e., 1.0QBK-ND)	.27	3.82	8.55	8.13/M	7.56/M	6.13/M
1/4 Watt, 5% Carbon Film Resistors — Tape and Reel (5,000 pcs./reel — Order in multiples of 5,000)	(Value)QTR-ND (i.e., 1.0QTR-ND)	—	—	—	8.75/M	8.07/M	6.46/M
1/2 Watt, 5% Carbon Film Resistors Bulk Package	(Value)H-ND (i.e., 1.0H-ND)	.26	3.76	12.22	11.28/M	10.34/M	9.40/M

"E" = Sixth Watt; "Q" = Quarter Watt; "H" = Half Watt. Please be sure to specify. Half watt available in bulk package only.

Digi-Key® 1/6 Watt Resistor Assortment

RSE200-ND 200 each of all std. values 5% 1/6 watt carbon film resistors in the series 1.0Ω- 10MΩ (33,800 total pieces) **$409.00**

RS112-ND Set of 5 each of 73 standard 5% 1/6 watt carbon film resistors in the series 1.0Ω, 1.2Ω, 1.5Ω, 1.8Ω, 2.2Ω, etc., through 1.0MΩ (365 total pieces) **$16.96**

RS212-ND Set of 5 each of the 72 standard 5% 1/6 watt carbon film resistors in the series 1.1Ω, 1.3Ω, 1.6Ω, 2.0Ω, 2.4Ω, etc., through 910kΩ (360 total pieces) **$16.99**

Digi-Key® 1/4 Watt Resistor Assortment

RSQ200-ND 200 each of all std. values 5% 1/4 watt carbon film resistors in the series 1.0Ω - 10MΩ (33,800 total pieces) **$239.00**

RS125-ND Set of 5 each of 73 standard 5% 1/4 watt carbon film resistors in the series 1.0Ω, 1.2Ω, 1.5Ω, 1.8Ω, 2.2Ω, etc., through 1.0 MΩ (365 total pieces) **$14.95**

RS225-ND Set of 5 each of the 72 standard 5% 1/4 watt carbon film resistors in the series 1.1Ω, 1.3Ω, 1.6Ω, 2.0Ω, 2.4Ω, etc., through 910kΩ (360 total pieces) **$14.95**

Digi-Key® 1/2 Watt Resistor Assortment

RSH200-ND 200 each of all std. values 5% 1/2 watt carbon film resistors in the series 1.0Ω - 10MΩ (33,800 total pieces) **$335.00**

RS150-ND Set of 5 each of 73 standard 5% 1/2 watt carbon film resistors in the series 1.0Ω, 1.2Ω, 1.5Ω, 1.8Ω, 2.2Ω, etc. through 1.0MΩ (365 total pieces) **$16.95**

RS250-ND Set of 5 each of the 72 standard 5% 1/2 watt carbon film resistors in the series 1.1Ω, 1.3Ω, 1.6Ω, 2.0Ω, 2.4Ω, etc., through 910kΩ (360 total pieces) **$16.95**

Protected with FairUse4WM. More details

YAGEO 1% Metal Film Fixed Resistors 1/4 Watt

R Series

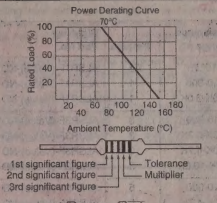
series Metal Film Resistors are manufactured using sputtering system to deposit multiple layers of mixed d passivative materials onto a carefully treated high amic substrate, the resistors are coated with layers of lacquer.

Specifications:

ating: 1/4 Watt. **Maximum Working Voltage:** **aximum Overload Voltage:** 500V. **Rated Ambient ture:** 70°C. **Temperature Cycling:** -65°C ~ 150°C. **ce Range:** 10.0Ω ~ 1.00MΩ. **Resistance Tolerance:**

Specifications:

rements are taken at +25°C at 1KHz and 65% relative unless stated otherwise. **Type:** MF-25 **Style:** RN- **er Rating:** 1/4 Watt **Resistance Tolerance:** ±1% **ure Coefficient:** ±100PPM/°C



Characteristics

Temperature Cycling, -65°C ~ 150°C	(%)	±0.25
Low Temperature Operation, -65°C	(%)	±0.25
Short Time Overload	(%)	±0.20
Terminal Strength, 5 lb. pull	(%)	±0.20
Resistance to Soldering Heat, 350°C	(%)	±0.10
Moisture Resistance, Mil Std 202	(%)	±0.50
Life 1000 hrs. (Rated Power)	(%)	±0.50
Shock, 50G, 11ms	(%)	±0.20
Vibration-High Frequency, 10-2000Hz	(%)	±0.20
Insulation Resistance	(%)	$\geq 10^{10}\Omega$
Failure-Rate	(%)	10^{-9}/h

1% Metal Film Resistors

Digi-Key® Assortment Kits

35% SAVINGS

Over Parts Purchased Separately

5 Each of Values 10Ω to 97.6Ω
RS1X-ND $29.95

5 Each of Values 100Ω to 976Ω
RS2X-ND $29.95

5 Each of Values 1.00KΩ to 9.76KΩ
RS3X-ND $29.95

5 Each of Values 10.0KΩ to 97.6KΩ
RS4X-ND $29.95

5 Each of Values 100KΩ to 1.00MΩ
RS5X-ND $29.95

Option	Value Range	Digi-Key Part No.	Pricing 5	200	1M	5M	10M	50M	100M	500M	1,000M
Bulk, 1% Metal Film Resistors Package	10.0 ~ 1.00M Ω	(Value)XBK-ND (i.e. 10.0XBK-ND)	.49	7.41	19.16	16.36/M	14.06/M	11.25/M	—	—	—
Tape, 1% Metal Film Resistors In multiples of 5,000 (5,000 pcs./reel)	10.0 ~ 1.00M Ω	(Value)XTR-ND (i.e. 10.0XTR-ND)	—	—	—	18.57/M	15.84/M	12.87/M	10.89/M	8.91/M	7.92/M

YAGEO Standard Resistor Values

18.7	34.8	64.9	121	226	422	787	1.47K	2.74K	5.11K	9.53K	17.8K	33.2K	61.9K	115K	215K	402K	750K
19.1	35.7	66.5	124	232	432	806	1.50K	2.80K	5.23K	9.76K	18.2K	34.0K	63.4K	118K	221K	412K	768K
19.6	36.5	68.1	127	237	442	825	1.54K	2.87K	5.36K	10.0K	18.7K	34.8K	64.9K	121K	226K	422K	787K
20.0	37.4	69.8	130	243	453	845	1.58K	2.94K	5.49K	10.2K	19.1K	35.7K	66.5K	124K	232K	432K	806K
20.5	38.3	71.5	133	249	464	866	1.62K	3.01K	5.62K	10.5K	19.6K	36.5K	68.1K	127K	237K	442K	825K
21.0	39.2	73.2	137	255	475	887	1.65K	3.09K	5.76K	10.7K	20.0K	37.4K	69.8K	130K	243K	453K	845K
21.5	40.2	75.0	140	261	487	909	1.69K	3.16K	5.90K	11.0K	20.5K	38.3K	71.5K	133K	249K	464K	866K
22.1	41.2	76.8	143	267	499	931	1.74K	3.24K	6.04K	11.3K	21.0K	39.2K	73.2K	137K	255K	475K	887K
22.6	42.2	78.7	147	274	511	953	1.78K	3.32K	6.19K	11.5K	21.5K	40.2K	75.0K	140K	261K	487K	909K
23.2	43.2	80.6	150	280	523	976	1.82K	3.40K	6.34K	11.8K	22.1K	41.2K	76.8K	143K	267K	499K	931K
23.7	44.2	82.5	154	287	536	1.00K	1.87K	3.48K	6.49K	12.1K	22.6K	42.2K	78.7K	147K	274K	511K	953K
24.3	45.3	84.5	158	294	549	1.02K	1.91K	3.57K	6.65K	12.4K	23.2K	43.2K	80.6K	150K	280K	523K	976K
24.9	46.4	86.6	162	301	562	1.05K	1.96K	3.65K	6.81K	12.7K	23.7K	44.2K	82.5K	154K	287K	536K	1.00M
25.5	47.5	88.7	165	309	576	1.07K	2.00K	3.74K	6.98K	13.0K	24.3K	45.3K	84.5K	158K	294K	549K	
26.1	48.7	90.9	169	316	590	1.10K	2.05K	3.83K	7.15K	13.3K	24.9K	46.4K	86.6K	162K	301K	562K	
26.7	49.9	93.1	174	324	604	1.13K	2.10K	3.92K	7.32K	13.7K	25.5K	47.5K	88.7K	165K	309K	576K	
27.4	51.1	95.3	178	332	619	1.15K	2.15K	4.02K	7.50K	14.0K	26.1K	48.7K	90.9K	169K	316K	590K	
28.0	52.3	97.6	182	340	634	1.18K	2.21K	4.12K	7.68K	14.3K	26.7K	49.9K	93.1K	174K	324K	604K	
28.7	53.6	100	187	348	649	1.21K	2.26K	4.22K	7.87K	14.7K	27.4K	51.1K	95.3K	178K	332K	619K	
29.4	54.9	102	191	357	665	1.24K	2.32K	4.32K	8.06K	15.0K	28.0K	52.3K	97.6K	182K	340K	634K	
30.1	56.2	105	196	365	681	1.27K	2.37K	4.42K	8.25K	15.4K	28.7K	53.6K	100K	187K	348K	649K	
30.9	57.6	107	200	374	698	1.30K	2.43K	4.53K	8.45K	15.8K	29.4K	54.9K	102K	191K	357K	665K	
31.6	59.0	110	205	383	715	1.33K	2.49K	4.64K	8.66K	16.2K	30.1K	56.2K	105K	196K	365K	681K	
32.4	60.4	113	210	392	732	1.37K	2.55K	4.75K	8.87K	16.5K	30.9K	57.6K	107K	200K	374K	698K	
33.2	61.9	115	215	402	750	1.40K	2.61K	4.87K	9.09K	16.9K	31.6K	59.0K	110K	205K	383K	715K	
34.0	63.4	118	221	412	768	1.43K	2.67K	4.99K	9.31K	17.4K	32.4K	60.4K	113K	210K	392K	732K	

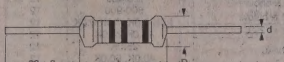
G

YAGEO 5% Metal Oxide Film Resistors

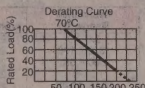
RSF Series

Metal Oxide Resistors offer lower cost alternatives to Carbon Com- Resistors and General Purpose Metal Films. They can replace w power General Purpose wirewound applications. These Metal meet overload tests in accordance with UL specification #1412 producing a fire hazard. They withstand solvents in accordance cle Mil-Std-202E without producing mechanical or electrical

s: High surge/overload capability. Non-inductive design. Coating rking resist Trichlorethelyne, Freon, and other cleaning agents. S Series resistors are coated with layers of gray flame-proof



Type	Max. Working Volt.	Dimensions (mm) L	D	d
1W	350	11.5 ± 1.0	4.5 ± 0.5	0.8 ± 0.05
2W	350	15.5 ± 1.0	5.0 ± 0.5	0.8 ± 0.05



Digi-Key® 1 and 2 Watt Resistor Assortment Kits

255 resistors per assortment. 5 each of the values in the ranges listed:

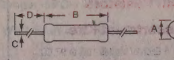
	0.47Ω - 56Ω	62Ω - 7.5KΩ	8.2KΩ - 1.0M	
1 Watt	RS101-ND	RS201-ND	RS301-ND	$26.95
2 Watt	RS102-ND	RS202-ND	RS302-ND	$29.95

rd Resistor Values — See below for complete part numbers when ordering.

0.82	1.5	2.7	4.3	6.8	11	18	30	47	75	120	200	330	510	820	1.3K	2.2K	3.6K	5.6K	9.1K	15K	24K	39K	62K	100K	160K	270K	430K	680K
0.91	1.6	3.0	4.7	7.5	12	20	33	51	82	130	220	360	560	910	1.5K	2.4K	3.9K	6.2K	10K	16K	27K	43K	68K	110K	180K	300K	470K	750K
1.0	1.8	3.3	5.1	8.2	13	22	36	56	91	150	240	390	620	1.0K	1.6K	2.7K	4.3K	6.8K	11K	18K	30K	47K	75K	120K	200K	330K	510K	820K
1.1	2.0	3.6	5.6	9.1	15	24	39	62	100	160	270	430	680	1.1K	1.8K	3.0K	4.7K	7.5K	12K	20K	33K	51K	82K	130K	220K	360K	560K	910K
1.2	2.2	3.9	6.2	10	16	27	43	68	110	180	300	470	750	1.2K	2.0K	3.3K	5.1K	8.2K	13K	22K	36K	56K	91K	150K	240K	390K	620K	1.0M
1.3	2.4																											

Description	Digi-Key Part No.	1	10	100	1M	5M	10M
Bulk 5% Metal Oxide Film Resistors Bulk Package (0.47-0.91Ω)	(Value)W-1-ND (i.e. 0.47W-1-ND)	.22	1.62	10.40	63.55	56.62/M	50.85/M
Bulk 5% Metal Oxide Film Resistors Bulk Package (1.0-1.0MΩ)	(Value)W-1-ND (i.e. 1.0W-1-ND)	.15	1.12	7.20	44.00	39.20/M	35.20/M
Bulk 5% Metal Oxide Film Resistors Bulk Package (0.47-0.91Ω)	(Value)W-2-ND (i.e. 0.47W-2-ND)	.23	1.73	11.13	68.01	60.59/M	54.41/M
Bulk 5% Metal Oxide Film Resistors Bulk Package (1.0-1.0MΩ)	(Value)W-2-ND (i.e. 1.0W-2-ND)	.18	1.35	8.65	52.88	47.12/M	42.31/M

Silicone Coated Wirewound Resistors – 1, 3, 5 Watt, 1%



Series	A ±.81mm	B ±.81mm	C	D
ALSR-1	2.79	9.78	.51	38.10
ALSR-3	5.08	13.46	.81	38.10
ALSR-5	7.92	23.80	.81	38.10

Electrical Specifications

Series	ALSR-1	ALSR-3, ALSR-5
Resistance Tolerance	±1%	±1%
Dielectric Withstanding Voltage	500VAC	1000VAC
Short Time Overload	5 X rated wattage for 5 seconds	

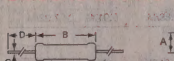
RESISTANCE VALUE CHART

.10	.50	5.0	22	40	100	225	400	750	1.5K	3.5K	6.8K	20.0K
.13	.75	7.5	25	47	120	250	470	800	1.8K	3.9K	7.5K	25.0K
.15	1.0	10	27	50	125	270	500	820	2.0K	4.0K	8.0K	
.20	1.5	12	30	56	150	300	560	900	2.2K	4.7K	8.2K	
.25	2.0	15	33	68	180	330	600	1.0K	2.5K	5.0K	10.0K	
.30	3.0	18	35	75	200	350	680	1.1K	2.7K	5.6K	12.5K	
.33	4.0	20	39	82	220	390	700	1.2K	3.0K	6.0K	15.0K	

Resistance Range (Ω)	Wattage	Digi-Key* Part No.	Price Each 1	10	25	50	100	Huntington Part No.
.10-.75	1	ALSR1F-(Value)-ND	1.98	1.77	—	1.50	1.10	ALSR-1-(Value)-1%
1.0-900	1	ALSR1F-(Value)-ND	1.95	1.74	—	1.47	1.08	ALSR-1-(Value)-1%
1.0K-3.0K	1	ALSR1F-(Value)-ND	2.02	1.80	—	1.52	1.12	ALSR-1-(Value)-1%
.10-900	3	ALSR3F-(Value)-ND	1.38	—	1.16	—	.97	ALSR-3-(Value)-1%
1.0K-2.7K	3	ALSR3F-(Value)-ND	1.38	—	1.16	—	.97	ALSR-3-(Value)-1%
3.0K-4.7K	3	ALSR3F-(Value)-ND	1.38	—	1.16	—	.97	ALSR-3-(Value)-1%
5.0K-10.0K	3	ALSR3F-(Value)-ND	1.38	—	1.16	—	.97	ALSR-3-(Value)-1%
.10-900	5	ALSR5F-(Value)-ND	1.35	—	1.14	—	.95	ALSR-5-(Value)-1%
1.0K-4.7K	5	ALSR5F-(Value)-ND	1.30	—	1.10	—	.91	ALSR-5-(Value)-1%
5.0K-8.2K	5	ALSR5F-(Value)-ND	1.30	—	1.10	—	.91	ALSR-5-(Value)-1%
10.0K-20.0K	5	ALSR5F-(Value)-ND	1.35	—	1.14	—	.95	ALSR-5-(Value)-1%
25.0K	5	ALSR5F-(Value)-ND	1.35	—	1.14	—	.95	ALSR-5-(Value)-1%

* For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

Silicone Coated Wirewound Resistors – 1, 3, 5, 10 Watt, 5%



Series	A ±.81mm	B ±.81mm	C	D
ALSR-1	2.79	9.78	.51	38.10
ALSR-3	5.08	13.46	.81	38.10
ALSR-5	7.92	23.80	.81	38.10
ALSR-10	7.92	45.72	.81	38.10

Electrical Specifications:

Series	ALSR-1	ALSR-3	ALSR-5	ALSR-10
Resistance Tolerance	±5%	±5%	±5%	±5%
Power Rating	1 Watts at 25°C	3 Watts at 25°C	5 Watts at 25°C	10 Watts at 25°C
Dielectric Withstanding Voltage	500VAC	1000VAC	1000VAC	1000VAC
Short Time Overload	5 X rated wattage for 5 seconds		10 X rated wattage for 5 seconds	

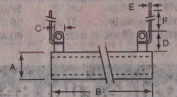
RESISTANCE VALUE CHART

.10	2.0	25	75	270	680	1.75K	4.0K	8.5K	20.0K
.13	3.0	27	82	300	700	1.8K	4.5K	9.0K	22.0K
.15	4.0	30	100	330	750	2.0K	4.7K	10.0K	22.5K
.20	5.0	33	120	350	800	2.2K	5.0K	11.0K	25.0K
.25	7.5	35	125	390	820	2.25K	5.6K	12.0K	
.30	10	39	150	400	900	2.5K	6.0K	12.5K	
.33	12	40	180	450	1.0K	2.7K	6.8K	13.5K	
.50	15	47	200	470	1.1K	3.0K	7.0K	15.0K	
.75	18	50	220	500	1.2K	3.3K	7.5K	16.0K	
1.0	20	56	225	560	1.25K	3.5K	8.0K	17.5K	
1.5	22	68	250	600	1.5K	3.9K	8.2K	18.0K	

Resistance Range (Ω)	Wattage	Digi-Key* Part No.	Price Each 1	10	50	100	Huntington* Part No.
.10-.75	1	ALSR1J-(Value)-ND	1.63	1.45	1.23	.90	ALSR-1-(Value)
1.0-900	1	ALSR1J-(Value)-ND	1.59	1.43	1.21	.89	ALSR-1-(Value)
1.0K-5.6K	1	ALSR1J-(Value)-ND	1.65	1.66	1.40	1.03	ALSR-1-(Value)
6.0K-10.0K	1	ALSR1J-(Value)-ND	1.65	1.66	1.40	1.03	ALSR-1-(Value)
.10-900	3	ALSR3J-(Value)-ND	1.40	1.25	1.06	.78	ALSR-3-(Value)
1.0K-4.7K	3	ALSR3J-(Value)-ND	1.40	1.25	1.06	.78	ALSR-3-(Value)
5.0K-10.0K	3	ALSR3J-(Value)-ND	1.53	1.37	1.16	.85	ALSR-3-(Value)
.10-.75	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
1.0-7.5	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
10-2.7K	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
3.0K-4.7K	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
5.0K-9.0K	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
10.0K-22.5K	5	ALSR5J-(Value)-ND	1.56	1.40	1.18	.87	ALSR-5-(Value)
25.0K	5	ALSR5J-(Value)-ND	1.53	1.37	1.16	.85	ALSR-5-(Value)
.10-.75	10	ALSR10-(Value)-ND	1.98	1.77	1.50	1.10	ALSR-10-(Value)
1.0-680, 750-900	10	ALSR10-(Value)-ND	1.69	1.51	1.28	.94	ALSR-10-(Value)
1.0K-2.7K	10	ALSR10-(Value)-ND	1.62	1.63	1.38	1.01	ALSR-10-(Value)
3.0K-9.0K	10	ALSR10-(Value)-ND	2.11	1.89	1.60	1.17	ALSR-10-(Value)
10.0K-22.5K	10	ALSR10-(Value)-ND	2.31	2.06	1.74	1.28	ALSR-10-(Value)
25.0K	10	ALSR10-(Value)-ND	2.31	2.06	1.74	1.28	ALSR-10-(Value)

* For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

Vitreous Enamel Wirewound Power Resistors – 8, 12 Watt



Series	A	B	C	D	E	F
FVTS-5	7.94	25.40	4.76	11.11	.81	50.80
FVTS-10	7.94	44.45	4.76	11.11	.81	50.80

Electrical Specifications:

Series	FVTS-5	FVTS-10
Resistance Tolerance	±5% 1Ω & above ±10% 1Ω & below	±5% 1Ω & above ±10% 1Ω & below
Power Rating	8 Watts at 25°C	12 Watts at 25°C
Dielectric Withstanding Voltage	1000VAC	1000VAC
Short Time Overload	5 X rated wattage for 5 seconds	10 X rated wattage for 5 seconds

RESISTANCE VALUE CHART

2.0	10	35	125	300	600	1.2K	2.5K	4.5K	7.5K	12.0K	40.0K
3.0	15	50	150	400	750	1.25K	3.0K	5.0K	8.0K	15.0K	50.0K
5.0	20	75	200	450	900	1.5K	3.5K	6.0K	9.0K	20.0K	
7.5	25	100	250	500	1.0K	2.0K	4.0K	7.0K	10.0K	25.0K	

Resistance Range (Ω)	Wattage	Digi-Key* Part No.	Price Each 1	25	100	250	Huntington Part No.
5.0-900	8	FVTS5-(Value)-ND	2.53	2.17	1.66	1.48	FVTS-5-(Value)
1.0K-4.5K	8	FVTS5-(Value)-ND	2.67	2.28	1.75	1.56	FVTS-5-(Value)
5.0K-9.0K	8	FVTS5-(Value)-ND	2.81	2.40	1.84	1.64	FVTS-5-(Value)
10.0K	8	FVTS5-(Value)-ND	2.64	2.26	1.73	1.54	FVTS-5-(Value)
2.0-450	12	FVTS10-(Value)-ND	2.78	2.38	1.82	1.62	FVTS-10-(Value)
500-900	12	FVTS10-(Value)-ND	3.00	2.57	1.97	1.75	FVTS-10-(Value)
1.0K-5.0K, 7.5K-9.0K	12	FVTS10-(Value)-ND	3.25	2.78	2.13	1.89	FVTS-10-(Value)
10.0K-20.0K	12	FVTS10-(Value)-ND	3.52	3.01	2.31	2.05	FVTS-10-(Value)
25.0K	12	FVTS10-(Value)-ND	3.88	3.32	2.54	2.26	FVTS-10-(Value)
40.0K, 50.0K	12	FVTS10-(Value)-ND	4.95	4.23	3.24	2.88	FVTS-10-(Value)

* For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

Vitreous Enamel Wirewound Power Resistors – 25, 50, 100, 225 Watt

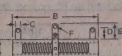
ADJUSTABLE AVT SERIES: • **Resistance Tolerance:** ±10%, wattage rating applied only when the entire resistance is in the circuit • **Dielectric Withstanding Voltage:** 1000VAC • **Short Time Overload:** 10 times the rated wattage for 5 seconds

FIXED FVT SERIES: • **Resistance Tolerance:** ±5% above 1Ω • **Dielectric Withstanding Voltage:** 1000VAC • **Short Time Overload:** 10 times the rated wattage for 5 seconds

RESISTANCE VALUE CHART

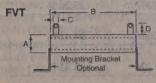
1.0	10	150	750	5.0K	50.0K
2.0	25	200	1.0K	10.0K	
3.0	50	250	2.5K	12.0K	
5.0	100	500	4.0K	25.0K	

AVT



Series	A	B	C	D	E	F
AVT25	14.29	50.80	6.35	14.29	17.46	4.22
AVT50	14.29	101.60	6.35	14.29	17.46	4.22
AVT100	19.05	165.10	6.35	14.29	17.46	4.22
AVT200	28.58	266.70	7.94	15.88	22.23	4.22

FVT



Series	A	B	C	D
FVT25	14.29	50.80	6.35	14.29
FVT50	14.29	101.60	6.35	14.29
FVT100	19.05	165.10	6.35	14.29
FVT200	28.58	266.70	7.94	15.88

Resistance Range (Ω)	Wattage	Digi-Key* Part No.	Price Each 1	10	25	100	Huntington Part No.
2.0-3.0	25	FVT25-(Value)-ND	3.31	—	2.40	1.89	FVT-25-(Value)
10, 25, 100	25	FVT25-(Value)-ND	3.28	—	2.38	1.87	FVT-25-(Value)
500-4.0K	25	FVT25-(Value)-ND	3.28	—	2.38	1.87	FVT-25-(Value)
5.0K	25	FVT25-(Value)-ND	3.54	—	2.57	2.02	FVT-25-(Value)
10.0K-12.0K	25	FVT25-(Value)-ND	3.77	—	2.73	2.15	FVT-25-(Value)
25.0K-50.0K	25	FVT25-(Value)-ND	4.76	—	3.45	2.71	FVT-25-(Value)
1.0-5.0	50	FVT50-(Value)-ND	4.79	—	3.47	2.73	FVT-50-(Value)
10-100, 500, 1.0K	50	FVT50-(Value)-ND	4.50	—	3.26	2.56	FVT-50-(Value)
5.0K	50	FVT50-(Value)-ND	4.79	—	3.47	2.73	FVT-50-(Value)
1.0, 2.0, 5.0	100	FVT100-(Value)-ND	8.21	—	5.95	4.67	FVT-100-(Value)
10, 50, 100, 250, 1.0K	100	FVT100-(Value)-ND	7.48	—	5.42	4.26	FVT-100-(Value)
1.0, 3.0, 5.0	225	FVT200-(Value)-ND	12.36	11.13	9.89	9.27	FVT-200-(Value)
10, 50, 100, 250, 500	225	FVT200-(Value)-ND	10.30	9.27	8.24	7.73	FVT-200-(Value)
1.0K	225	FVT200-(Value)-ND	10.30	9.27	8.24	7.73	FVT-200-(Value)
1.0, 3.0, 5.0	25	AVT25-(Value)-ND	5.63	5.18	4.28	3.60	AVT-25-(Value)
10-100, 250, 500	25	AVT25-(Value)-ND	4.85	4.28	3.54	2.98	AVT-25-(Value)
1.0-5.0	50	AVT50-(Value)-ND	6.58	6.05	5.00	4.21	AVT-50-(Value)
10-100, 500	50	AVT50-(Value)-ND	5.65	5.20	4.30	3.62	AVT-50-(Value)
1.0K	50	AVT50-(Value)-ND	5.93	5.46	4.51	3.80	AVT-50-(Value)
1.0, 2.0	100	AVT100-(Value)-ND	12.83	11.80	9.75	8.21	AVT-100-(Value)
10, 50, 100, 250	100	AVT100-(Value)-ND	9.48	8.72	7.21	6.07	AVT-100-(Value)
1.0K	100	AVT100-(Value)-ND	10.95	10.08	8.33	7.01	AVT-100-(Value)
1.0-5.0	225	AVT200-(Value)-ND	22.35	20.57	16.99	14.31	AVT-200-(Value)
10-500	225	AVT200-(Value)-ND	16.10	14.82	12.24	10.31	AVT-200-(Value)
1.0K	225	AVT200-(Value)-ND	16.90	15.55	12.85	10.82	AVT-200-(Value)
Mounting Bracket for 25/50W Res.		B1003-ND‡	.90/2	.35	—	.25	B1003-1
Mounting Bracket for 100W Res.		B1002-ND‡	1.08/2	.42	—	.30	B1002-1
Mounting Bracket for 200W Res.		B1001-ND‡	1.17/2	.46	—	.33	B1001-1

* For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).
‡ Requires 2 brackets per resistor

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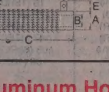
HUNTINGTON ELECTRIC, INC.

Edgewound Resistors – 300, 1000 Watt

dgewound Resistors are designed for applications demanding maximum power dissipation in minimum . Edgewounds are constructed of special alloy resistance wire, crimped, and wound on edge. High y ceramic cores are used with a coating of either vitreous enamel or silicone to provide heat sink for term overloads and maximum dissipation.

ifications: • **Dielectric Withstanding Voltage:** Measured from terminals to brackets, 1000VAC **rload:** 10 X rated power for 5 seconds • **Tolerance:** ±10% • Wattage is based on 25°C free air rating.



Series	A	(Core) B	C	D	(Terminal) E	F
FVE-300	28.58	19.05	215.90	7.94	15.88	254.00 - 812.80
AVE-300•	28.58	19.05	215.90	7.94	15.88	254.00 - 812.80
FSE-1000	63.50	44.45	381.00	12.70	15.88	6.35 - 508.00

•Adjustable central terminal.

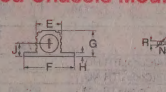
RESISTANCE VALUE CHART

FVE-300 Fixed			AVE-300 Adjustable				FSE-1000 Fixed		
.50	5.0	12	.10	.20	1.6	20	.25	3.5	15
1.2	8.0	16	.12	.80	8.0		.50	4.5	
2.0	10	20	.16	1.0	16		1.0	10	

Resistance Range (Ω)	Wattage	Digi-Key• Part No.	Price Each 1	10	25	Huntington• Part No.
.50 - 20	300	FVE300-(Value)-ND	16.48	14.81	12.54	FVE-300-(Value)
.10 - 20	300	AVE300-(Value)-ND	25.76	20.58	14.42	AVE-300-(Value)
.25 - 15	1000	FSE1000-(Value)-ND	51.50	46.35	—	FSE-1000-(Value)
FVE-300 and AVE-300 Mounting Kit		K1016-ND	9.75/1			K1016
FSE-1000 Mounting Kit		K3003-ND	16.69/1			K3003

• For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

uminum Housed Chassis Mount Resistors – 5, 10, 25, 50 Watt, 1% (Precision Power Wirewound)



rical Specifications:

Series	TMC-5	TMC-10	TMC-25	TMC-50
-R-39009/MIL-R-18546	RER-60/RE-60	RER-65/RE-65	RER-70/RE-70	RER-75/RE-75
HEI Power	7.5 Watts	12.5 Watts	25 Watts	50 Watts
MIL Power	5 Watts	10 Watts	20 Watts	30 Watts
Working Voltage	160	265	550	1250
Dielectric Strength	1000VAC	1000VAC	2500VAC	2500VAC

HEI's high-power aluminum housed resistors use centerless ground ceramic cores for uniform heat distribution. Molded in a special high temperature material and mounted in an extruded aluminum finned housing, these designs provide maximum power dissipation and reliability. They have tinned copperweld leads for solderability and meet or exceed MIL-R-18546, including "N" characteristic, and MIL-R-39009. **Specifications:** • Power Rating: Based on full power operation at 25°C, and maximum hotspot 275°C. • Mounting on proper heat sink as follows: For 5 and 10 Watt – use 4" x 6" x 2" x .040" (101.60 x 152.40 x 50.80 x 1.02mm) aluminum chassis; For 25 and 50 Watt – use 5" x 7" x 2" x .040" (127.00 x 177.80 x 50.80 x 1.02mm) aluminum chassis.

Series	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q AWG	R
TMC-5	11.40	12.57	16.03	30.15	8.86	16.79	8.51	1.91	3.81	2.24	2.49	2.36	1.40	8.33	7.01	16	2.97
TMC-10	14.40	16.00	19.84	36.50	11.30	20.70	10.54	2.16	5.08	2.62	2.49	2.97	2.31	9.50	8.71	12	4.37
TMC-25	18.39	19.96	27.76	50.80	13.84	27.81	14.61	2.41	6.86	4.62	3.30	3.56	2.31	12.70	10.72	12	4.37
TMC-50	39.83	21.56	50.77	72.21	16.00	29.34	16.00	2.41	7.87	5.23	3.30	3.56	2.31	12.70	11.51	12	4.37

RESISTANCE VALUE CHART

TMC-5			TMC-10			TMC-25			TMC-50				
25	2.0K	20	33	330	10	20	500	15	1.5	8.0	40	300	
30	10.0K	1.0	35	1.0K	1.0	25	1.0K	20	2.0	10	50	500	
100	15.0K	2.0	50	2.0K	2.0	40	2.0K	25	2.5	12	75	1.0K	
150		2.5	75	2.5K	3.0	100	3.0K	30	3.3	16	100	1.5K	
300		10	100	10.0K	12	200		50	5.0	20	150	2.5K	
390		25	300		15	300		1.0	6.0	30	250	5.0K	

Resistance Range (Ω)	Wattage	Digi-Key• Part No.	Price Each 1	10	50	100	250	Huntington• Part No.
.10-15.0K	.5	TMC5-(Value)-ND	3.37	2.87	2.37	2.03	1.86	TMC-5-(Value)-1%
.20-10.0K	10	TMC10-(Value)-ND	3.56	3.04	2.49	2.14	1.96	TMC-10-(Value)-1%
.10-3.0K	25	TMC25-(Value)-ND	4.98	4.25	3.49	2.99	2.76	TMC-25-(Value)-1%
.15-5.0K	50	TMC50-(Value)-ND	5.21	4.44	3.65	3.14	2.88	TMC-50-(Value)-1%

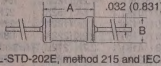
• For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

Phoenix Passive Components

1% and 5% Cemented Wirewound Resistors

sistor element is a resistive wire which is wound in a single layer on a ceramic letal caps are pressed over the ends of the rod. The ends of the resistance wire e leads are connected to the caps by welding. Tinned copper-clad iron leads with eat conductivity are employed permitting the use of relatively short leads to obtain mounting without overheating the solder joint. The resistor is coated with a green cement which is not resistant to aggressive fluxes. The coating is non-flammable, ot drip even at high overloads and is resistant to most commonly used cleaning solvents, in accordance with MIL-STD-202E, method 215 and IEC 60068-2-45.

Characteristics: PAC: • Resistance Tolerance: ±1% • Temperature Coefficient: ±100ppm/°C • Rated Dissipation at TAMB=25°C: 1W, 3W, 5W • Operating Temperature Range: -55°C ~ 200°C • Maximum Permissive Body Temperature: 275°C **AC:** • Resistance Tolerance: ±5% • Temperature Coefficient: <10Ω +600ppm/°C, >10Ω-80/+140ppm/°C • Rated Dissipation at TAMB=25°C: 1W, 3W, 5W, 7W • Operating Temperature Range: -40°C ~ 200°C • Maximum Permissive Body Temperature: 350°C



Type	A Max. (mm)	B Max. (mm)
PAC01	10	4.3
PAC03	17	5.5
PAC05	23	7.5
AC01	10	4.3
AC03	13	5.5
AC05	17	7.5
AC07	25	7.5

Value Range (Ω)	Wattage	Res. Tol.	Digi-Key• Part No.	Pricing 5	200	500
0-.75, 1.0K-2.5K	1	1%	PPC1D(Value)CT-ND	13.68	208.80	288.00
1.0-910			PPC1D(Value)CT-ND	11.02	168.20	232.00
.75, 1.0K-3.9K-5.0K	3	1%	PPC3D(Value)CT-ND	16.91	258.10	—
1.0-910			PPC3D(Value)CT-ND	14.63	223.30	—
0-.75, 1.0K-10.0K	5	1%	PPC5D(Value)CT-ND	18.34	279.85	—
1.0-910			PPC5D(Value)CT-ND	16.72	255.20	—
.10-.75, 1.0K			PPC1W(Value)CT-ND	8.27	126.15	174.00
0-910, 1.1K-1.8K	1	5%	PPC1W(Value)CT-ND	7.79	118.90	164.00
2.0K-2.4K			PPC1W(Value)CT-ND	8.46	129.05	178.00
.10-.75			PPC3W(Value)CT-ND	9.60	146.45	—
1.0-910	3	5%	PPC3W(Value)CT-ND	9.12	139.20	—
1.0K-5.0K			PPC3W(Value)CT-ND	11.78	179.80	—
.10-.75			PPC5W(Value)CT-ND	12.54	191.40	—
1.0-1.0K	5	5%	PPC5W(Value)CT-ND	9.79	149.35	—
1.1K-10.0K			PPC5W(Value)CT-ND	12.92	197.20	—
.10-.75			PPC7W(Value)CT-ND	16.63	253.75	—
1.0-910	7	5%	PPC7W(Value)CT-ND	13.40	204.45	—
1.0K-15.0K			PPC7W(Value)CT-ND	17.29	263.90	—

Digi-Key• Part No.	Tape & Box Pricing 500	1,000	5,000	10,000	Phoenix Passive Components Part No.
PPC1D(Value)TB-ND	—	525.00	448.00/M	406.00/M	2306 327 5xxxx
PPC1D(Value)TB-ND	—	420.00	358.40/M	324.80/M	2306 327 5xxxx
PPC3D(Value)TB-ND	326.25	556.80	504.60/M	452.40/M	2306 327 1xxxx
PPC3D(Value)TB-ND	281.25	480.00	435.00/M	390.00/M	2306 327 1xxxx
PPC5D(Value)TB-ND	354.38	604.80	548.10/M	491.40/M	2306 327 3xxxx
PPC5D(Value)TB-ND	322.50	550.40	498.80/M	447.20/M	2306 327 3xxxx
PPC1W(Value)TB-ND	—	311.25	265.60/M	240.70/M	2306 328 33xxx
PPC1W(Value)TB-ND	—	292.50	249.60/M	226.20/M	2306 328 33xxx
PPC1W(Value)TB-ND	—	318.75	272.00/M	246.50/M	2306 328 33xxx
PPC3W(Value)TB-ND	181.88	310.40	281.30/M	252.20/M	2322 329 03xxx
PPC3W(Value)TB-ND	172.50	294.40	266.80/M	239.20/M	2322 329 03xxx
PPC3W(Value)TB-ND	225.00	384.00	348.00/M	312.00/M	2322 329 03xxx
PPC5W(Value)TB-ND	240.00	409.60	371.20/M	332.80/M	2322 329 05xxx
PPC5W(Value)TB-ND	185.63	316.80	287.10/M	257.40/M	2322 329 05xxx
PPC5W(Value)TB-ND	247.50	422.40	382.80/M	343.20/M	2322 329 05xxx
PPC7W(Value)TB-ND	320.63	547.20	495.90/M	444.60/M	2322 329 07xxx
PPC7W(Value)TB-ND	256.88	438.40	397.30/M	356.20/M	2322 329 07xxx
PPC7W(Value)TB-ND	333.75	569.60	516.20/M	462.80/M	2322 329 07xxx

complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

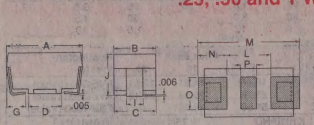
1% PPC(X)D Resistance Values

1W			3W			5W			1W			3W			5W			7W		
25.0	390	.10	25.0	390	.10	25.0	390	6.2K	.10	30.0	560	.10	30.0	560	.10	30.0	560	8.2K	.10	30.0	560	8.2K
27.0	470	.13	27.0	470	.13	27.0	470	6.8K	.13	33.0	620	.13	33.0	620	.13	33.0	620	9.1K	.13	33.0	620	9.1K
30.0	500	.15	30.0	500	.15	30.0	500	7.5K	.15	36.0	680	.15	36.0	680	.15	36.0	680	10.0K	.15	36.0	680	10.0K
33.0	560	.20	33.0	560	.20	33.0	560	8.2K	.20	39.0	750	.20	39.0	750	.20	39.0	750		.20	39.0	750	11.0K
36.0	620	.25	36.0	620	.25	36.0	620	9.1K	.24	43.0	820	.24	43.0	820	.24	43.0	820		.24	43.0	820	12.0K
39.0	680	.30	39.0	680	.30	39.0	680	10.0K	.30	47.0	910	.30	47.0	910	.30	47.0	910		.30	47.0	910	13.0K
47.0	750	.33	47.0	750	.33	47.0	750		.33	50.0	1.0K	.33	50.0	1.0K	.33	50.0	1.0K		.33	50.0	1.0K	15.0K
50.0	820	.47	50.0	820	.47	50.0	820		.47	56.0	1.1K	.47	56.0	1.1K	.47	56.0	1.1K		.47	56.0	1.1K	
56.0	910	.50	56.0	910	.50	56.0	910		.50	68.0	1.2K	.50	68.0	1.2K	.50	68.0	1.2K		.50	68.0	1.2K	
68.0	1.0K	.75	68.0	1.0K	.75	68.0	1.0K		.75	75.0	1.5K	.75	75.0	1.5K	.75	75.0	1.5K		.75	75.0	1.5K	
75.0	1.1K	1.0	75.0	1.1K	1.0	75.0	1.1K		1.0	82.0	1.8K	1.0	82.0	1.8K	1.0	82.0	1.8K		1.0	82.0	1.8K	
82.0	1.2K	1.5	82.0	1.2K	1.5	82.0	1.2K		1.5	100	2.0K	1.5	100	2.0K	1.5	100	2.0K		1.5	100	2.0K	
100	1.5K	2.0	100	1.5K	2.0	100	1.5K		2.0	120	2.2K	2.0	120	2.2K	2.0	120	2.2K		2.0	120	2.2K	
120	1.8K	3.0	120	1.8K	3.0	120	1.8K		3.0	150	2.4K	3.0	150	2.4K	3.0	150	2.4K		3.0	150	2.4K	
124	2.0K	3.9	124	2.0K	3.9	124	2.0K		3.9	180		3.9	180	2.7K	3.9	180	2.7K		3.9	180	2.7K	
150	2.2K	4.7	150	2.2K	4.7	150	2.2K		4.7	200		4.7	200	3.0K	4.7	200	3.0K		4.7	200	3.0K	
180	2.5K	5.0	180	2.5K	5.0	180	2.5K		5.0	220		5.0	220	3.3K	5.0	220	3.3K		5.0	220	3.3K	
200		7.5	200	2.7K	7.5	200	2.7K		7.5	240		7.5	240	3.6K	7.5	240	3.6K		7.5	240	3.6K	
220		10.0	220	3.0K	10.0	220	3.0K		10.0	270		10.0	270	3.9K	10.0	270	3.9K		10.0	270	3.9K	
250		12.0	250	3.6K	12.0	250	3.6K		12.0	300		12.0	300	4.3K	12.0	300	4.3K		12.0	300	4.3K	
270		15.0	270	3.9K	15.0	270	3.9K		15.0	330		15.0	330	4.7K	15.0	330	4.7K		15.0	330	4.7K	
300		18.0	300	4.7K	18.0	300	4.7K		18.0	360		18.0	360	5.0K	18.0	360	5.0K		18.0	360	5.0K	
330		20.0	330	5.0K	20.0	330	5.0K		20.0	390		20.0	390		20.0	390	5.6K		20.0	390	5.6K	
360		22.0	360		22.0	360	5.6K		22.0	430		22.0	430		22.0	430	6.2K		22.0	430	6.2K	
									24.0	470		24.0	470		24.0	470	6.8K		24.0	470	6.8K	
									27.0	500		27.0	500		27.0	500	7.5K		27.0	500	7.5K	

5% PPC(X)W Resistance Values

OHMITE SMD Carbon Composition Power Resistors — RC Series

.25, .50 and 1 Watt



Electrical Specifications

	RC0S2CA	RC0R5DB	RC1R0EA
Power at 25°C Ambient	.25 Watt	.50 Watt	1 Watt
Max. Voltage	250	350	500
Temperature Coefficient	RC0S2CA and RC0R5DB: ±400 ppm/°C RC1R0EA: -1300(±300) ppm/°C		
Dielectric Withstanding Voltage	1000V		

Maximum Dimensions (mm)

Series	A	B	C	D	G	I	J	L	M	N	O	P
RC0S2CA	10.008	4.039	3.962 Ref.	5.588	1.575	1.981	4.038	6.50	13.31	3.40	3.20	1.52
RC0R5DB	15.875	6.934	6.807 Ref.	10.592	1.575	3.632	5.740	12.04	18.85	3.40	3.94	2.36
RC1R0EA	20.599	6.934	6.807 Ref.	14.529	2.362	3.632	6.934	15.52	25.4	4.95	3.94	2.36

RESISTANCE VALUE CHART

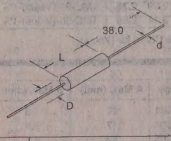
RC0S2CA Value (Code)	RC0R5DB Value (Code)	RC1R0EA Value (Code)
4.7 (4R70)◊	2.7 (2R70)	3.3 (3R30)
6.8 (6R80)◊	7.5 (7R50)◊	4.7 (4R70)
10 (10R0)	15 (15R0)◊	6.8 (6R80)◊
15 (15R0)◊	24 (24R0)◊	8.2 (8R20)◊
20 (20R0)◊	39 (39R0)	10 (10R0)
30 (30R0)◊	56 (56R0)◊	15 (15R0)
47 (47R0)	75 (75R0)	22 (22R0)
68 (68R0)	100 (100R)	33 (33R0)
100 (100R)◊	150 (150R)	47 (47R0)
470 (470R)◊	270 (270R)◊	68 (68R0)◊
1.0K (1K00)	360 (360R)	100 (100R)
	560 (560R)	
	750 (750R)◊	
	1.0K (1K00)	

Resistance Range (Ω)	Wattage	Tolerance	Type	Digi-Key* Part No.	Bulk Price Each 1	100	500	Digi-Key* Part No.	Tape and Reel Pricing 750	1,000	1,500
4.7 - 1.0K	.25	±5%	Carbon Comp	RC0S2CA(Code)JBK-ND	1.33	1.12	.96	RC0S2CA(Code)JTR-ND	—	—	936.00/M
2.7 - 1.0K	.50	±5%	Carbon Comp	RC0R5DB(Code)JBK-ND	1.67	1.40	1.20	RC0R5DB(Code)JTR-ND	—	1170.00	—
4.7 - 100	1	±10%	Ceramic Comp	RC1R0EA(Code)KBK-ND	1.81	1.52	1.31	RC1R0EA(Code)KTR-ND	955.50	—	—
RoHS Compliant											
10 - 1.0K	.25	±5%	Carbon Comp	RC0S2CA(Code)JE-ND	1.33	1.12	.96	RC0S2CA(Code)JETR-ND	—	—	936.00/M
2.7 - 1.0K	.50	±5%	Carbon Comp	RC0R5DB(Code)JE-ND	1.67	1.40	1.20	RC0R5DB(Code)JETR-ND	—	1170.00	—
3.3 - 100	1	±10%	Ceramic Comp	RC1R0EA(Code)KE-ND	1.81	1.52	1.31	RC1R0EA(Code)KETR-ND	955.50	—	—

*For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code). ◊ Not available in RoHS Compliant

OX / OY Resistor Series - Ceramic Composition

Features: • Replaces 1 and 2 watt carbon composition resistors • Meets high energy density demands • High peak power • 10% Tolerance **Material:** • Terminals: Solder-coated axial leads • Coating: UL-94 V0 approved silicone. **Derating:** • Linear from 100% @ 70°C – 0% @ 200°C. **Electrical:** • Resistance Tolerance: ±10% standard • Power Rating: Based on 70°C free air rating • Temperature Coefficient: -1300 ±300ppm/°C • Dielectric Withstanding Voltage: 500VAC (750VAC for OY Series) • Joules Maximum (For a single impulse 50 (80 for OY Series)



RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
3.3 (33G)	47 (470K)	680 (681K)	10K (103K)	150K (154K)
3.9 (39G)	56 (560K)	820 (821K)	12K (123K)◊	180K (184K)
4.7 (47G)	68 (680K)	1K (102K)	15K (153K)	220K (224K)
5.6 (56G)	82 (820K)	1.2K (122K)	18K (183K)‡	270K (274K)
6.8 (68G)	100 (101K)	1.5K (152K)	22K (223K)	330K (334K)
8.2 (82G)	120 (121K)	1.8K (182K)	27K (273K)	390K (394K)
10 (100K)	150 (151K)	2.2K (222K)	33K (333K)	470K (474K)
12 (120K)	180 (181K)	2.7K (272K)	39K (393K)‡	560K (564K)
15 (150K)	220 (221K)	3.3K (332K)	47K (473K)	680K (684K)
18 (180K)	270 (271K)	3.9K (392K)	56K (563K)	820K (824K)
22 (220K)	330 (331K)	4.7K (472K)	68K (683K)	1MEG (105K)
27 (270K)	390 (391K)	5.6K (562K)	82K (823K)‡	
33 (330K)	470 (471K)	6.8K (682K)‡	100K (104K)	
39 (390K)	560 (561K)	8.2K (822K)	120K (124K)	

Series	Maximum Dimensions Inch (mm) D	L	d
OX	.256 (6.5)	.649 (16.5)	.030 (.81)
OY	.315 (8.0)	.787 (20.0)	.030 (.81)

Resistance Range (Ω)	Wattage	Joules Max.**	Digi-Key* Part No.	Price Each 1	100	1,000
3.9 ~ 100	1	50	OX(Code)-ND	.77	.62	.50
150 ~ 100K	1	50	OX(Code)-ND	.76	.61	.49
3.9 ~ 100	2	80	OY(Code)-ND	1.07	.86	.70
120 ~ 100K	2	80	OY(Code)-ND	1.00	.80	.65
120K ~ 1M	2	80	OY(Code)-ND	1.17	.93	.76
RoHS Compliant						
3.3 ~ 5.6, 8.2 ~ 12	1	50	OX(Code)E-ND	.77	.62	.50
18 ~ 100, 120 ~ 10K, 15K ~ 100K	1	50	OX(Code)E-ND	.85	.69	.56
	1	50	OX(Code)E-ND	.79	.63	.51
3.3 ~ 6.8, 10 ~ 100, 120 ~ 1K	2	80	OY(Code)E-ND	1.11	.89	.73
1.5K ~ 10K, 15K ~ 100K	2	80	OY(Code)E-ND	1.04	.83	.68
120K, 150K, 220K ~ 1M	2	80	OY(Code)E-ND	1.22	.97	.79

* For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code). ** For a single impulse. ‡ Not available in OX Series RoHS Compliant ◊ Not available in RoHS Compliant

Little Demon® Carbon Composition Molded Resistors

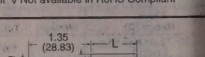
OD Series, OF Series and OA Series

Little Demons are small, reliable carbon composition resistors with exceptional strength. They are made tough by a molding process that combines the leads, insulation and resistive element into an integrated unit. Along with their small size, Little Demons perform with low noise, dissipate heat rapidly and offer high temperature stability. Color codes are readable even after prolonged use, thanks to a very durable coating that resists abrasions and chipping normally associated with automatic insertion equipment.

Features: • Molded insulation for high dielectric strength • Rugged construction • High surge capabilities • Comparable to "Mil" RC07, RC20, and RC32 types

Material: • Terminals: Solder-coated copper lead • Body: Molded Phenolic

Electrical: • Derating: Linearly from 100% @ 70°C – 0% @ 130°C



Series	Maximum Dimensions Inch (mm) L	D	Ø
OD	0.276 (7.0)	0.098 (2.5)	.027 (.69
OF	0.406 (10.3)	0.150 (3.8)	.029 (.75
OA	0.591 (15.0)	0.236 (6.0)	.035 (.92

OD SERIES RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
2.2 (22G)	15 (150)	120 (121J)	1.0K (102J)	10K (103J)	68K (683J)	560K (564J)
2.4 (24G)	18 (180J)	150 (151J)	1.2K (122J)	12K (123J)	75K (753J)	620K (624J)
2.7 (27G)	20 (200J)	180 (181J)	1.5K (152J)	15K (153J)	82K (823J)	680K (684J)
3.0 (30G)	22 (220J)	200 (201J)	1.8K (182J)	18K (183J)	100K (104J)	750K (754J)
3.3 (33G)	24 (240J)	220 (221J)	2.2K (222J)	20K (203J)	120K (124J)	820K (824J)
3.6 (36G)	27 (270J)	240 (241J)	2.4K (242J)	22K (223J)	150K (154J)	1.0M (105J)
3.9 (39G)	30 (300J)	270 (271J)	2.7K (272J)	24K (243J)◊	180K (184J)	1.5M (155J)
4.3 (43G)	33 (330J)	300 (301J)	3.0K (302J)	27K (273J)	200K (204J)	2.0M (205J)
4.7 (47G)	36 (360J)	330 (331J)	3.3K (332J)	30K (303J)◊	220K (224J)	2.4M (245J)
5.1 (51G)	39 (390J)	360 (361J)	3.6K (362J)	33K (333J)	270K (274J)	3.0M (305J)
5.6 (56G)	43 (430J)	390 (391J)	3.9K (392J)	36K (363J)	300K (304J)	3.6M (365J)
6.2 (62G)	47 (470J)	430 (431J)	4.3K (432J)	39K (393J)	330K (334J)	4.3M (435J)
6.8 (68G)	56 (560J)	470 (471J)	4.7K (472J)	43K (433J)	360K (364J)◊	4.7M (475J)
7.5 (75G)	62 (620J)	560 (561J)	5.6K (562J)	47K (473J)	390K (394J)	5.6M (565J)
8.2 (82G)	75 (750J)	620 (621J)	6.2K (622J)	51K (513J)	430K (434J)	
10 (100J)	82 (820J)	750 (751J)	7.5K (752J)	56K (563J)	470K (474J)	
12 (120J)	100 (101J)	820 (821J)	8.2K (822J)	62K (623J)	510K (514J)	

OF SERIES RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
2.2 (22GJ)	18 (180J)	180 (181J)	1.8K (182J)	20K (203J)	150K (154J)
2.4 (24GJ)	20 (200J)	200 (201J)	2.2K (222J)	22K (223J)	180K (184J)
2.7 (27GJ)	22 (220J)	220 (221J)	2.4K (242J)	24K (243J)	200K (204J)
3.0 (30GJ)	24 (240J)◊	240 (241J)	2.7K (272J)	27K (273J)	220K (224J)
3.3 (33GJ)	27 (270J)	270 (271J)	3.0K (302J)	30K (303J)	270K (274J)
3.6 (36GJ)◊	30 (300J)	300 (301J)	3.3K (332J)	33K (333J)	300K (304J)
3.9 (39GJ)	33 (330J)	330 (331J)	3.6K (362J)◊	36K (363J)◊	330K (334J)
4.3 (43GJ)	36 (360J)◊	360 (361J)	3.9K (392J)	39K (393J)	360K (364J)◊
4.7 (47GJ)	39 (390J)	390 (391J)	4.3K (432J)	43K (433J)	390K (394J)◊
5.1 (51GJ)	43 (430J)◊	430 (431J)	4.7K (472J)	47K (473J)	430K (434J)◊
5.6 (56GJ)	47 (470J)	470 (471J)	5.6K (562J)	51K (513J)	470K (474J)
6.2 (62GJ)◊	56 (560J)	560 (561J)	6.2K (622J)	56K (563J)	510K (514J)
6.8 (68GJ)	62 (620J)	620 (621J)	7.5K (752J)◊	62K (623J)◊	560K (564J)
7.5 (75GJ)	75 (750J)	750 (751J)	8.2K (822J)	68K (683J)	620K (624J)◊
8.2 (82GJ)◊	82 (820J)	820 (821J)	10K (103J)	75K (753J)◊	680K (684J)
10 (100J)	100 (101J)	1.0K (102J)	12K (123J)	82K (823J)	750K (754J)◊
12 (120J)	120 (121J)	1.2K (122J)	15K (153J)	100K (104J)	820K (824J)◊
15 (150J)	150 (151J)	1.5K (152J)	18K (183J)	120K (124J)	1.0M (105J)

OA SERIES RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
2.2 (22GK)	27 (270K)	270 (271K)	2.7K (272K)	27K (273K)	270K (274K)
2.7 (27GK)	33 (330K)	330 (331K)	3.3K (332K)◊	33K (333K)	330K (334K)◊
3.3 (33GK)	39 (390K)	390 (391K)◊	3.9K (392K)	39K (393K)◊	390K (394K)◊
4.7 (47GK)	47 (470K)	470 (471K)	4.7K (472K)	47K (473K)	470K (474K)
5.6 (56GK)	56 (560K)	560 (561K)◊	5.6K (562K)◊	56K (563K)◊	560K (564K)
6.8 (68GK)◊	68 (680K)◊	680 (681K)	6.8K (682K)◊	68K (683K)◊	680K (684K)
8.2 (82GK)◊	82 (820K)	820 (821K)	8.2K (822K)◊	82K (823K)◊	820K (824K)◊
10 (100K)	100 (101K)	1.0K (102K)	10K (103K)	100K (104K)	1.0M (105K)
12 (120K)	120 (121K)	1.2K (122K)	12K (123K)	120K (124K)	
15 (150K)	150 (151K)	1.5K (152K)	15K (153K)	150K (154K)◊	
18 (180K)	180 (181K)	1.8K (182K)◊	18K (183K)	180K (184K)◊	
22 (220K)	220 (221K)	2.2K (222K)	22K (223K)	220K (224K)	

Resistance Range (Ω)	Wattage	Tolerance	Digi-Key* Part No.	Price Each 1	100	500
2.2 - 5.6M	.25	±5%	OD(Code)-ND	.42	.35	.32
3.0 - 20M	.50	±5%	OF(Code)-ND	.54	.45	.41
RoHS Compliant						
2.2 - 5.6M	.25	±5%	OD(Code)E-ND	.42	.35	.32
2.2 - 20M	.50	±5%	OF(Code)E-ND	.54	.45	.41
2.2 - 1.0M	1	±10%	OA(Code)E-ND	1.92	1.75	1.58

* For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code). ◊ Not available in RoHS Compliant

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

OHMITE Ceramic Composition Resistors — AW, AX, AY Series

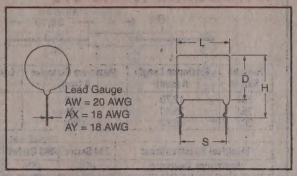
"A" Series of non-inductive, ceramic composite resistors are designed for a variety of cations where high energy handling capabilities are crucial. Designed for use in motor drives, and other power conversion systems, these resistors are ideal for any application which is ct to surges, high peak power, impulse energy or inrush current limiting.

rial Specifications:

istance Element: Bulk Ceramic • Terminals: Solder coated radial leads (axial lead version able upon request). • Coating: UL94V0, solvent resistant epoxy

rical Specifications:

erance: ±10% Standard • Derating: Derates linearly from 100% @ 50°C - 0% @ 150°C nperature Rise: 100°C @ 100% rated power, 50°C ambient



RESISTANCE VALUE CHART

AW Series Value (Code)	AX Series Value (Code)	AY Series Value (Code)
4.7 (47G)◊	1.0 (10G)	2.2 (22G)
6.8 (68G)◊	2.2 (22G)◊	3.3 (33G)
10 (100)◊	3.3 (33G)◊	4.7 (47G)
15 (150)	4.7 (47G)◊	10 (100)
22 (220)	10 (100)◊	15 (150)◊
33 (330)◊	22 (220)◊	22 (220)
47 (470)◊	33 (330)◊	33 (330)◊
56 (560)◊	47 (470)◊	39 (390)◊
68 (680)◊	68 (680)◊	47 (470)
100 (101)	100 (101)	68 (680)◊
		100 (101)

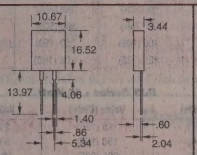
Resistance Range (Ω)	Wattage	Dimensions - inch (mm) L (Max.)	D (Max.)	H (Max.)	S (Norm.)	Digi-Key® Part No.	Price Each 1	50	250
4.7 - 100	2.5	.78 (20)	.51 (13)	.87 (22)	.69 (17.5)	AW(Code)K-ND	8.45	8.03	7.61
1.0 - 100	3.5	.59 (15)	.83 (21)	1.22 (31)	.49 (12.5)	AX(Code)K-ND	9.25	8.79	8.33
2.2 - 100	4.5	.98 (25)	.83 (21)	1.22 (31)	.89 (22.5)	AY(Code)K-ND	9.75	9.26	8.78
				RoHS Compliant					
15 - 100	2.5	.78 (20)	.51 (13)	.87 (22)	.69 (17.5)	AW(Code)KE-ND	8.70	8.27	7.84
1.0 - 100	3.5	.59 (15)	.83 (21)	1.22 (31)	.49 (12.5)	AX(Code)KE-ND	9.53	9.05	8.58
2.2 - 100	4.5	.98 (25)	.83 (21)	1.22 (31)	.89 (22.5)	AY(Code)KE-ND	10.04	9.54	9.04

complete part number, substitute the corresponding code from Resistance Value Chart for (Code). ◊ Not available in RoHS Compliant

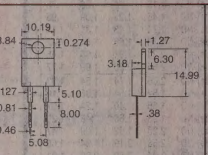
eat Sink Mountable Thick Film Power Resistors
AH20, TBH25, TCH35, TDH35, TEH70 and TFH85 Series — Surface Mount

Dimensions in (mm)

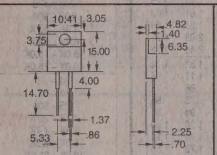
H20



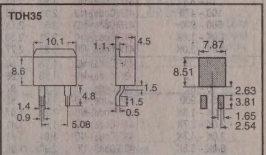
TBH25



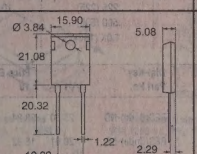
TCH35



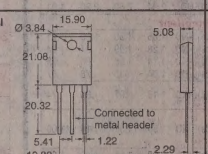
TDH35



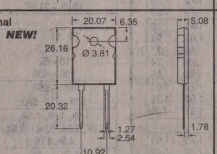
3-Terminal TEH70



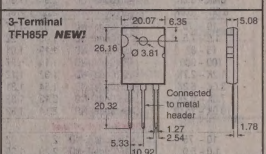
3-Terminal TEH70



2-Terminal TFH85M *NEW!*



3-Terminal TFH85P *NEW!*



TAH20 Series RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)
5 (R50)	3.3 (3R30)◊	47 (47R0)◊	750 (750R)◊
0 (R100)	3.9 (3R90)	51 (51R0)	1.0K (1K00)
2 (R220)	5.6 (5R60)	75 (75R0)	2.7K (2K70)◊
3 (R330)	7.5 (7R50)	100 (100R)	5.1K (5K10)
1 (R510)	10 (10R0)	150 (150R)	10K (10K0)
0 (1R00)	15 (15R0)	220 (220R)	
5 (1R50)	22 (22R0)	470 (470R)	
2 (2R20)	33 (33R0)	510 (510R)	

TCH35 Series RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)
10 (R100)	3.3 (3R30)	47 (47R0)	750 (750R)◊
22 (R220)	3.9 (3R90)	51 (51R0)	1.0K (1K00)
33 (R330)	5.6 (5R60)	75 (75R0)	2.7K (2K70)
51 (R510)	10 (10R0)	100 (100R)	5.1K (5K10)
1.0 (1R00)	15 (15R0)	150 (150R)	10K (10K0)
1.5 (1R50)	22 (22R0)	220 (220R)	
2.2 (2R20)	33 (33R0)	470 (470R)	
		510 (510R)	

TBH25 Series ◊ RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)
5.1 (5R10)	24 (24R0)	150 (150R)	2.7 (2K70)
7.5 (7R50)	33 (33R0)	470 (470R)	
10 (10R0)	39 (39R0)	1.0K (1K00)	
22 (22R0)	47 (47R0)	1.5K (1K50)	

TDH35 Series RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)
0 (R100)	1.0 (1R00)	33 (33R0)	300 (300R)
5 (R150)	2.0 (2R00)	39 (39R0)◊	500 (500R)
0 (R200)	3.0 (3R00)	47 (47R0)	750 (750R)
5 (R250)◊	5.0 (5R00)	68 (68R0)	1.0K (1K00)
0 (R300)	7.5 (7R50)	75 (75R0)	1.5K (1K50)◊
6 (R360)	10 (10R0)	100 (100R)	2.5K (2K50)
7 (R470)◊	15 (15R0)	150 (150R)	3.0K (3K00)◊
0 (R500)	20 (20R0)	200 (200R)	5.0K (5K00)
5 (R750)	25 (25R0)	250 (250R)	

TEH70 Series (2- and 3-Terminal) RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)
2.0 (2R00)	47 (47R0)	1.0K (1K00)
3.0 (3R00)	68 (68R0)	1.5K (1K50)
4.0 (3R00)	75 (75R0)	2.0K (2K00)
7.5 (7R50)	100 (100R)	3.0K (3K00)
10 (10R0)	150 (150R)	5.0K (5K00)
15 (15R0)	270 (270R)	7.5K (7K50)
20 (20R0)	470 (470R)	10K (10K0)
24 (24R0)	680 (680R)	
33 (33R0)	750 (750R)	

TFH85M Series RESISTANCE VALUE CHART

Value (Code)	Value (Code)
3.0 (3R00)	150 (150R)
6.8 (6R80)	470 (470R)
10 (10R0)	1.0K (1K00)
24 (24R0)	2.7K (2K70)
33 (33R0)	4.7K (4K70)
51 (51R0)	10K (10K0)
100 (100R)	

TFH85P Series RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)
2.0 (2R00)	68 (68R0)	1.5K (1K50)
5.1 (5R10)	75 (75R0)	3.3K (3K30)
7.5 (7R50)	100 (100R)	6.8K (6K80)
10 (10R0)	220 (220R)	7.5K (7K50)
15 (15R0)	330 (330R)	10K (10K0)
39 (39R0)	750 (750R)	
51 (51R0)	1.0K (1K00)	

Series	Resistance Range (Ω)	Digi-Key® Part No.	Price Each 1	100	250
TAH20	.33 ~ .51	TAH20P(Code)J-ND	6.73	5.38	4.57
	1.5 ~ 10K	TAH20P(Code)J-ND	5.50	4.39	3.73
TBH25	5.1 ~ 10	TBH25P(Code)J-ND	4.88	3.90	3.32
	22 ~ 2.7K	TBH25P(Code)J-ND	4.80	3.84	3.26
TCH35	150 ~ 10K	TCH35P(Code)J-ND	5.90	4.71	4.00
TDH35	.10 ~ .15	TDH35P(Code)J-ND	8.78	6.06	5.56
	.25 ~ .36	TDH35P(Code)J-ND	8.17	5.66	5.18
	.47 ~ .50	TDH35P(Code)J-ND	7.16	5.06	4.54
	.75 ~ 7.5	TDH35P(Code)J-ND	6.86	4.88	4.35
	20 ~ 5.0K	TDH35P(Code)J-ND	6.50	4.46	4.12
		RoHS Compliant			
TAH20	.05 ~ .51	TAH20P(Code)JE-ND	6.73	5.38	4.57
	1.00 ~ 10K	TAH20P(Code)JE-ND	5.50	4.39	3.73
TCH35	.10 ~ .51	TCH35P(Code)JE-ND	7.78	6.21	5.28
	1.00 ~ 10K	TCH35P(Code)JE-ND	5.88	4.69	3.99
TDH35	.10 ~ .15	TDH35P(Code)JE-ND	8.78	6.06	5.56
	.20 ~ .36	TDH35P(Code)JE-ND	8.17	5.66	5.18
	.50	TDH35P(Code)JE-ND	7.16	5.06	4.54
	.75 ~ 7.5	TDH35P(Code)JE-ND	6.86	4.88	4.35
	10 ~ 5.0K	TDH35P(Code)JE-ND	6.50	4.46	4.12
TEH70 (2-Term.)	2.0 ~ 10K	TEH70M(Code)JE-ND	10.50	8.40	7.14
TEH70 (3-Term.)	2.0 ~ 10K	TEH70P(Code)JE-ND	10.00	8.00	6.80
TFH85 (2-Term.)	3.0 ~ 10K	TFH85M(Code)JE-ND ***NEW!***	12.70	10.10	8.61
TFH85 (3-Term.)	2.0 ~ 10K	TFH85P(Code)JE-ND ***NEW!***	12.10	10.08	8.61

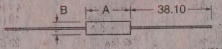
rical Specifications:

es	TAH20	TBH25	TCH35/TDH35	TEH70 (2 and 3-Terminal)	TFH85 (2 and 3-Terminal)
istance Tolerance	±5%	±5%	±5%	±5%	±5%
imum Operating Voltage	350V	350V	350V	500V	500V
ectric Strength	1800VAC	1000VDC	1800VAC	—	—
lation Resistance	10GΩ Min.	10GΩ Min.	10GΩ Min.	400MΩ	400MΩ
er Rating	20W @ 25°C	25W @ 25°C	35W @ 25°C	70W @ 25°C	85W @ 25°C
nting	Requires use of a snap-on heat sink. A thermal compound should be properly applied.	Single screw mounting tab (with thermal compound recommended).	Single screw mounting tab (with thermal compound recommended). TDH35 (SMD)	2-Terminal is single screw mounted. 3-Terminal heat sink can be grounded through middle terminal.	P style middle terminal is electrically connected to header and insulated from outer pins. Heat sink can be grounded through middle terminal. M style has no middle terminal.

complete part number, substitute the corresponding code from the Resistance Value Chart for (Code). ◊ Not available in RoHS Compliant

OHMITE

Silicone - Ceramic Conformal Wirewound Resistors

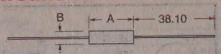


Resistor Series	Maximum Length A (mm)	Maximum Diameter B (mm)	Lead Diameter (mm)
41F	11.10	3.18	.51
43F	15.06	5.54	.81
45F	23.80	8.71	1.02

Electrical Specifications:	41F Series	43F Series	45F Series
Resistance Tolerance	±1%	±1%	±1%
Power Rating Ambient Temperature	1W @ 25°C	3W @ 25°C	5W @ 25°C
Temperature Coefficient of Resistance	Under 1Ω — ±90ppm/°C 1Ω - 9.99Ω — ±50ppm/°C 10Ω and over — ±20ppm/°C		
Dielectric Withstanding Voltage	500VAC	1000VAC	1000VAC
Short Time Overload	5 times rated wattage for 5 seconds	5 times rated wattage for 5 seconds	10 times rated wattage for 5 seconds

Resistance Range (Ω)	Digi-Key* Part No.	Price Each 1	25	100	250
.13 – .75	41F(Code)-ND	2.30	1.96	1.73	1.50
1.0 – 7.5	41F(Code)-ND	2.34	2.00	1.77	1.53
10 – 82	41F(Code)-ND	1.92	1.63	1.44	1.25
100 – 470	41F(Code)-ND	2.15	1.83	1.61	1.40
500 – 900	41F(Code)-ND	2.51	2.13	1.89	1.64
1.0K – 1.8K	41F(Code)-ND	2.71	2.30	2.03	1.76
2.0K – 3.0K	41F(Code)-ND	3.26	2.77	2.45	2.12
.10 – .75	43F(Code)-ND	1.76	1.50	1.32	1.14
1.0 – 7.5	43F(Code)-ND	1.86	1.58	1.11	.96
10 – 82	43F(Code)-ND	1.14	.97	.86	.74
100 – 900	43F(Code)-ND	1.04	.88	.78	.68
1.0K – 1.8K	43F(Code)-ND	1.26	1.07	.94	.81
2.0K – 2.7K	43F(Code)-ND	1.67	1.41	1.26	1.09
3.0K – 4.7K	43F(Code)-ND	1.91	1.62	1.43	1.24
5.0K – 6.8K	43F(Code)-ND	2.30	1.96	1.73	1.50
8.0K – 10.0K	43F(Code)-ND	2.38	2.02	1.79	1.55
.10 – .75	45F(Code)-ND	1.97	1.67	1.48	1.28
1.0 – 7.5	45F(Code)-ND	1.45	1.22	1.09	.94
15 – 82	45F(Code)-ND	1.19	1.01	.89	.77
100 – 900	45F(Code)-ND	1.14	.97	.86	.74
1.2K – 2.7K	45F(Code)-ND	1.32	1.12	.99	.86
3.0K – 6.8K	45F(Code)-ND	1.54	1.31	1.16	1.00
7.5K – 8.2K	45F(Code)-ND	2.13	1.82	1.60	1.38
10.0K – 15.0K	45F(Code)-ND	2.14	1.82	1.61	1.39
RoHS Compliant					
.10 – .75	41F(Code)E-ND	2.37	2.02	1.78	1.55
1.0 – 5.0	41F(Code)E-ND	2.29	1.95	1.72	1.48
10 – 25, 39, 40, 50, 68	41F(Code)E-ND	1.98	1.68	1.48	1.29
100, 120, 150 – 270, 330, 390 – 470	41F(Code)E-ND	2.21	1.88	1.66	1.44
500, 820, 900	41F(Code)E-ND	2.45	2.08	1.84	1.60
1.0K, 1.2K, 1.5K	43F(Code)E-ND	2.79	2.37	2.09	1.81
2.0K, 2.2K, 3.0K	41F(Code)E-ND	3.36	2.85	2.52	2.18
.10 – .75	43F(Code)E-ND	1.81	1.55	1.36	1.17
1.0 – 7.5	43F(Code)E-ND	1.44	1.23	1.08	.94
10, 15 – 82	43F(Code)E-ND	1.17	1.00	.89	.76
100 – 220, 250, 270, 330 – 390, 470 – 680, 750, 800, 900	43F(Code)E-ND	1.07	.91	.80	.70
1.0K – 1.2K, 1.5K	43F(Code)E-ND	1.23	1.04	.92	.79
2.0K, 2.5K, 2.7K	43F(Code)E-ND	1.63	1.38	1.23	1.06
3.0K, 3.9K, 4.0K	43F(Code)E-ND	1.97	1.67	1.47	1.28
5.0K, 6.0K, 6.8K	43F(Code)E-ND	2.37	2.02	1.78	1.55
7.5K, 8.0K, 10.0K	43F(Code)E-ND	2.45	2.08	1.84	1.60
.10 – .75	45F(Code)E-ND	2.03	1.72	1.52	1.32
1.0 – 7.5	45F(Code)E-ND	1.41	1.19	1.06	.92
10 – 82	45F(Code)E-ND	1.23	1.04	.92	.79
100, 120, 150, 200 – 220, 250 – 330, 400, 470, 500, 600, 680, 750, 800	45F(Code)E-ND	1.17	1.00	.89	.76
1.0K – 1.2K, 1.5K, 2.0K, 2.5K, 2.7K	45F(Code)E-ND	1.38	1.18	1.04	.91
3.5K, 5.0K, 6.0K, 6.5K	45F(Code)E-ND	1.59	1.35	1.19	1.03
10.0K, 12.5K, 15.0K 20.0K25.0K	45F(Code)E-ND 45F(Code)E-ND	2.20 2.73	1.87 2.32	1.66 2.05	1.43 1.77

Vitreous Enamel Conformal Wirewound Resistors



Resistor Series	Maximum Length A (mm)	Maximum Diameter B (mm)	Lead Diameter (mm)
23J	12.70	5.59	.81
25J	25.40	7.01	.81
20J	46.84	10.01	.81

Electrical Specifications:	23J Series	25J Series	20J Series
Resistance Tolerance	±5%	±5%	±5%
Power Rating	3W	5W	10W
Dielectric Withstanding Voltage	1000V	1000V	1000V
Short Time Overload Rated wattage for 5 seconds	5 times	10 times	10 times

Resistance Range (Ω)	Digi-Key* Part No.	Price Each 1	50	100	250
.15 – .33	23J(Code)-ND	1.86	1.58	1.39	1.21
.50 – 7.5	23J(Code)-ND	1.22	1.04	.92	.80
15 – 82	23J(Code)-ND	1.09	.93	.82	.71
125 – 450	23J(Code)-ND	1.07	.90	.80	.69
470 – 900	23J(Code)-ND	1.16	.99	.87	.75
1.1K – 4.7K	23J(Code)-ND	1.58	1.35	1.18	1.02
5.6K – 7.0K	23J(Code)-ND	2.03	1.72	1.53	1.32
7.5K – 10.0K	23J(Code)-ND	2.19	1.86	1.64	1.43
.20 – .75	25J(Code)-ND	1.53	1.30	1.15	.99
10 – 82	25J(Code)-ND	1.40	1.19	1.05	.91
200 – 470	25J(Code)-ND	1.15	.98	.86	.75
500 – 900	25J(Code)-ND	1.45	1.23	1.09	.95
1.0K – 4.7K	25J(Code)-ND	1.74	1.48	1.31	1.14
6.8K – 9.0K	25J(Code)-ND	2.18	1.86	1.64	1.42
10.0K – 15.0K	25J(Code)-ND	2.24	1.91	1.68	1.46
16.0K – 25.0K	25J(Code)-ND	2.65	2.25	1.99	1.72
.20 – .75	20J(Code)-ND	2.05	1.74	1.54	1.33
10 – 82	20J(Code)-ND	1.82	1.54	1.36	1.18
125 – 900	20J(Code)-ND	1.65	1.40	1.24	1.07
1.1K – 2.7K	20J(Code)-ND	1.98	1.68	1.48	1.29
3.3K – 4.7K	20J(Code)-ND	2.25	1.92	1.69	1.47
5.6K – 8.5K	20J(Code)-ND	2.58	2.19	1.94	1.68
10.0K – 22.5K	20J(Code)-ND	2.94	2.50	2.20	1.91
RoHS Compliant					
.10, .15 – .33	23J(Code)E-ND	1.86	1.58	1.39	1.21
.50 – 7.5	23J(Code)E-ND	1.28	1.09	.97	.84
10 – 82	23J(Code)E-ND	1.14	.98	.86	.75
100 – 400	23J(Code)E-ND	1.04	.88	.78	.67
470 – 560, 680 – 750, 820	23J(Code)E-ND	1.13	.97	.85	.74
1.0K, 1.2K, 1.5K, 2.0K, 2.2K, 2.5K – 3.9K, 4.5K, 4.7K	23J(Code)E-ND	1.54	1.31	1.16	1.00
5.0K – 6.8K	23J(Code)E-ND	1.98	1.68	1.49	1.29
8.0K, 10.0K	23J(Code)E-ND	2.30	1.95	1.72	1.50
.10, .15 – .75	25J(Code)E-ND	1.61	1.37	1.21	1.04
1.0 – 7.5	25J(Code)E-ND	1.54	1.31	1.16	1.00
10 – 33, 40 – 50, 68 – 82	25J(Code)E-ND	1.47	1.25	1.10	.96
100 – 150, 200 – 220, 250 – 470	25J(Code)E-ND	1.21	1.03	.90	.79
500 – 680, 750, 800, 900	25J(Code)E-ND	1.42	1.20	1.06	.92
1.0K, 1.2K, 1.5K, 18 – 2.2K, 2.5K, 3.0K – 3.5K, 4.0K – 4.7K	25J(Code)E-ND	1.69	1.44	1.27	1.10
5.0K – 7.0K, 8.0K, 8.2K, 9.0K	25J(Code)E-ND	2.13	1.82	1.60	1.39
10.0K, 12.0K, 15.0K	25J(Code)E-ND	2.35	2.01	1.76	1.53
20.0K, 22.0K, 25.0K	25J(Code)E-ND	2.78	2.36	2.09	1.81
10 – 13, 20, 25, 50	20J(Code)E-ND	2.00	1.70	1.50	1.30
1.0 – 7.5	20J(Code)E-ND	1.94	1.65	1.45	1.26
10, 15 – 35, 40, 50 – 82	20J(Code)E-ND	1.82	1.54	1.36	1.18
100 – 220, 250 – 330, 390 – 500, 680, 750	20J(Code)E-ND	1.65	1.40	1.24	1.07
1.0K, 1.2K – 1.75K, 2.0K, 2.2K, 2.5K	20J(Code)E-ND	1.98	1.68	1.48	1.29
3.0K, 3.3K, 3.9K, 4.7K	20J(Code)E-ND	2.25	1.92	1.69	1.47
5.0K, 6.0K, 6.8K, 8.0K, 8.2K, 9.0K	20J(Code)E-ND	2.58	2.19	1.94	1.68
10.0K, 15.0K, 20.0K, 22.0K	20J(Code)E-ND	2.94	2.50	2.20	1.91
25.0K	20J(Code)E-ND	3.32	2.82	2.49	2.15

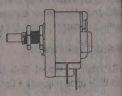
RESISTANCE VALUE CHART (for Silicone and Vitreous Wirewound Resistors)

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
.10 (R10)	3.0 (3R0)	30 (30R)	120 (120)	390 (390)	900 (900)	2.7K (2K7)	7.0K (7K0)•	16.0K (16K)•
.13 (R13)	4.0 (4R0)	33 (33R)	125 (125)	400 (400)	1.0K (1K0)	3.0K (3K0)	7.5K (7K5)	17.5K (17K5)•
.15(R15)	5.0 (5R0)	35 (35R)	150 (150)	450 (450)§•	1.1K (1K1)	3.3K (3K3)§•	8.0K (8K0)	18.0K (18K)•
.20 (R20)	7.5 (7R5)	39 (39R)	180 (180)	470 (470)	1.2K (1K2)	3.5K (3K5)	8.2K (8K2)	20.0K (20K)
.25 (R25)	10 (10R)	40 (40R)	200 (200)	500 (500)	1.25K (1K25)•	3.9K (3K9)	8.5K (8K5)•	22.0K (22K)•
.30 (R30)	12 (12R)	47 (47R)	220 (220)	560 (560)	1.5K (1K5)	4.0K (4K0)	9.0K (9K0)•	22.5K (22K5)•
.33 (R33)	15 (15R)	50 (50R)	225 (225)§	600 (600)	1.75K (1K75)§•	4.5K (4K5)§•	10.0K (10K)	25.0K (25K)
.50 (R50)	18 (18R)	56 (56R)	250 (250)	680 (680)	1.8K (1K8)§◊	4.7K (4K7)§	11.0K (11K)•	
.75 (R75)	20 (20R)	68 (68R)	270 (270)	700 (700)§	2.0K (2K0)	5.0K (5K0)	12.0K (12K)•	
1.0 (1R0)	22 (22R)	75 (75R)	300 (300)	750 (750)	2.2K (2K2)	5.6K (5K6)	12.5K (12K5)	
1.5 (1R5)	25 (25R)	82 (82R)	330 (330)	800 (800)	2.25K (2K25)§•	6.0K (6K0)	13.5K (13K5)•	
2.0 (2R0)	27 (27R)	100 (100)	350 (350)	820 (820)	2.5K (2K5)	6.8K (6K8)	15.0K (15K)	

• Value not available in Silicone-Ceramic Conformal § Not available in Silicone-Ceramic Conformal RoHS Compliant
* For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code) ◊ Not available in RoHS Compliant

Wirewound Rheostats

12.5, 25 and 50 Watt



† 12.5 watt uses knob **5151-ND**
†† 25 and 50 watt uses knob **5150-ND**

	RES	RHS	RJS
Wattage	12.5 W†	25W††	50W††
Res. Tolerance	±10%	±10%	±10%
Core Diameter (mm)	22.23	39.69	58.74
Shaft Diameter (mm)	3.18	6.35	6.35
Running Torque	1 – 6 in. oz.	.25 – .5 in. lb.	.25 – 2 in. lb.
Weight	.6 oz.	.19 lbs.	.32 lbs.
Rotation	300° ±5%	300° ±5%	300° ±5%
Memcor-Truohm Equivalent	RH12	RH25	RH50

RESISTANCE VALUE CHARTS

RES Series - 12.5 / RHS Series - 25 Watt

Value (Code)	Value (Code)	Value (Code)	Value (Code)
1.0 (1R0)	15 (15R)	175 (175)	1.5K (1K5)
2.0 (2R0)	25 (25R)	250 (250)	2.5K (2K5)
3.0 (3R0)	50 (50R)	350 (350)	3.5K (3K5)
6.0 (6R0)	75 (75R)	500 (500)	5.0K (5K0)
8.0 (8R0)	100 (100)	750 (750)	10.0K (10K)
10 (10R)	125 (125)	1.0K (1K0)	

RJS Series - 50 Watt

Value (Code)	Value (Code)	Value (Code)
.50 (R50)	125 (125)	2.5K (2K5)
1.0 (1R0)	150 (150)	5.0K (5K0)
6.0 (6R0)	225 (225)	10.0K (10K)
35 (35R)	500 (500)	
50 (50R)	1.0K (1K0)	

Resistance Range (Ω)	Digi-Key* Part No.	Price Each 1	10	100	250
2.0 – 8.0	RES(Code)-ND	25.80	23.24	18.07	16.75
15 – 350	RES(Code)-ND	20.91	18.82	13.59	12.58
500 – 1.5K	RES(Code)-ND	21.47	19.32	15.03	13.96
3.5K – 5.0K	RES(Code)-ND	22.85	20.56	15.99	14.85
1.0 – 8.0	RHS(Code)-ND	23.49	21.14	16.44	—
25 – 750	RHS(Code)-ND	25.26	22.73	17.68	—
1.0K – 5.0K	RHS(Code)-ND	26.13	23.52	18.30	—
2.5K – 10.0K	RJS(Code)-ND	29.21	26.29	20.45	17.5
Knob for 25/50W Rheostat	5150-ND	6.55	4.59	—	—
RoHS Compliant					
2.0 – 8.0	RES(Code)E-ND	22.06	19.86	15.44	14.3
10 – 350	RES(Code)E-ND	20.91	18.82	13.59	12.5
500 – 1.5K	RES(Code)E-ND	21.47	19.32	13.96	12.9
2.5K – 5.0K	RES(Code)E-ND	22.85	20.56	14.85	13.7
10.0K	RES(Code)E-ND	24.68	22.22	16.04	14.8
1.0 – 8.0	RHS(Code)E-ND	24.58	22.12	17.21	14.7
10 – 750	RHS(Code)E-ND	23.49	21.14	16.44	14.0
1.0K – 5.0K	RHS(Code)E-ND	24.30	21.87	17.01	14.5
10.0K	RHS(Code)E-ND	26.36	23.72	18.45	15.8
.50	RJS(Code)E-ND	35.59	32.03	24.91	21.3
1.0 – 5.0	RJS(Code)E-ND	31.78	28.60	22.25	19.0
35 – 150	RJS(Code)E-ND	27.81	25.02	19.47	16.6
225 – 500	RJS(Code)E-ND	26.72	24.05	18.71	16.0
1.0K – 10.0K	RJS(Code)E-ND	29.21	26.29	20.45	17.5

* For complete part number, substitute the corresponding code from Resistance Value Chart for (Code).

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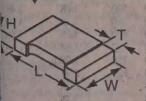
VISHAY. WSL Power Metal Strip® SMT Resistors



Series	Value Range	Dimensions – (mm) L	W	H	T
WSL0805	All Listed Values	2.03	1.27	.330	.381
WSL1206	All Listed Values	3.20	1.60	.635	.508
WSL2010	.001Ω ~ .006Ω	5.08	2.54	.635	1.47
	.007Ω ~ .50Ω	5.08	2.54	.635	.508
WSL2512	.001Ω ~ .004Ω	6.35	3.18	.635	2.21
	.005Ω ~ .006Ω	6.35	3.18	.635	1.19
	.007Ω ~ .50Ω	6.35	3.18	.635	.762

Series	Power Rating W	Temperature Coefficient ppm/°C	Short Time Overload
WSL0805	.125	±75	5X Rated Power for 5 Seconds
WSL1206	.25	.002Ω/±275 .003Ω ~ .004Ω/±150 .005Ω ~ .006Ω/±110 .007Ω ~ .2Ω/±75	
WSL2010	.5	.001Ω ~ .002Ω/±275 .003Ω ~ .004Ω/±150 .005Ω ~ .006Ω/±110 .007Ω ~ .50Ω/±75	
WSL2512	1.0*	.001Ω ~ .002/±275 .003Ω ~ .004Ω/±150 .005Ω ~ .006Ω/±110 .007Ω ~ .5Ω/±75	

* For values above .1Ω, derate linearly to 80% rated power at .5Ω

Resistance Values WSL0805, 1%, WSLA

1	.02	.03	.04	.08	.15	.002	.004	.006	.008	.01	.02	.03	.04	.06	.08	.10	.20		
5	.025	.033	.05	.10	.20	.003	.005	.007	.009	.015	.025	.033	.05	.07	.09	.15			

Resistance Values WSL1206, 1%, WSLC

.001	.004	.007	.01	.025	.04	.07	.10	.20	.33	.001	.003	.005	.007	.009	.015	.025	.033	.05	.07	.09	.15	.20	.30	.40
.002	.005	.008	.015	.03	.05	.08	.11	.25	.40	.002	.004	.006	.008	.01	.02	.03	.04	.06	.08	.10	.151	.25	.33	.50
.003	.006	.009	.02	.033	.06	.09	.15	.30	.50															

Resistance Values WSL2010, 1%, WSLE

.001	.004	.007	.01	.025	.04	.07	.10	.20	.33	.001	.003	.005	.007	.009	.015	.025	.033	.05	.07	.09	.15	.20	.30	.40
.002	.005	.008	.015	.03	.05	.08	.11	.25	.40	.002	.004	.006	.008	.01	.02	.03	.04	.06	.08	.10	.151	.25	.33	.50
.003	.006	.009	.02	.033	.06	.09	.15	.30	.50															

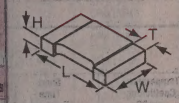
Resistance Values WSL2512, 1%, WSLG

.001	.004	.007	.01	.025	.04	.07	.10	.20	.33	.001	.003	.005	.007	.009	.015	.025	.033	.05	.07	.09	.15	.20	.30	.40
.002	.005	.008	.015	.03	.05	.08	.11	.25	.40	.002	.004	.006	.008	.01	.02	.03	.04	.06	.08	.10	.151	.25	.33	.50
.003	.006	.009	.02	.033	.06	.09	.15	.30	.50															

scription	Value Range (Ω)	Digi-Key* Part No.	Pricing 1	10	50	Digi-Key* Part No.	Reel Size	Tape and Reel Pricing 2,000	4,000	5,000	6,000	8,000	10,000
L0805, 1%, WSLA	.01 ~ .05	WSLA-(Value)CT-ND	1.02	8.67	38.25	WSLA-(Value)TR-ND	5,000	—	—	320.00/M	—	—	300.00/M
	.08 ~ .20	WSLA-(Value)CT-ND	.82	6.97	30.75	WSLA-(Value)TR-ND	5,000	—	—	256.00/M	—	—	240.00/M
L1206, 1%, WSLC	.002 ~ .009	WSLC-(Value)CT-ND	1.57	13.35	58.88	WSLC-(Value)TR-ND	4,000	—	496.00/M	—	—	465.00/M	—
	.01 ~ .06	WSLC-(Value)CT-ND	1.12	9.52	42.00	WSLC-(Value)TR-ND	4,000	—	352.00/M	—	—	330.00/M	—
	.07 ~ .20	WSLC-(Value)CT-ND	.92	7.82	34.50	WSLC-(Value)TR-ND	4,000	—	288.00/M	—	—	270.00/M	—
L2010, 1%, WSLE	.001 ~ .004	WSLE-(Value)CT-ND	1.92	16.32	72.00	WSLE-(Value)TR-ND	4,000	—	608.00/M	—	—	570.00/M	—
	.005 ~ .009	WSLE-(Value)CT-ND	1.82	15.47	68.25	WSLE-(Value)TR-ND	4,000	—	576.00/M	—	—	540.00/M	—
	.01 ~ .06	WSLE-(Value)CT-ND	1.27	10.80	47.63	WSLE-(Value)TR-ND	4,000	—	400.00/M	—	—	375.00/M	—
	.07 ~ .50	WSLE-(Value)CT-ND	1.07	9.10	40.13	WSLE-(Value)TR-ND	4,000	—	336.00/M	—	—	315.00/M	—
L2512, 1%, WSLG	.001 ~ .004	WSLG-(Value)CT-ND	1.97	16.75	73.88	WSLG-(Value)TR-ND	2,000	624.00/M	—	—	585.00/M	—	546.00/M
	.005 ~ .009	WSLG-(Value)CT-ND	1.87	15.90	70.13	WSLG-(Value)TR-ND	2,000	592.00/M	—	—	555.00/M	—	518.00/M
	.01 ~ .06	WSLG-(Value)CT-ND	1.27	10.80	47.63	WSLG-(Value)TR-ND	2,000	400.00/M	—	—	375.00/M	—	350.00/M
	.07 ~ .50	WSLG-(Value)CT-ND	1.12	9.52	42.00	WSLG-(Value)TR-ND	2,000	352.00/M	—	—	330.00/M	—	308.00/M

complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

VSL High Power, Power Metal Strip® SMT Resistors



Series	Value Range	Dimensions – (mm) L	W	H	T
WSL0805-18	All Listed Values	2.03	1.27	.330	.381
WSL1206-18	All Listed Values	3.20	1.60	.635	.508
WSL2010-18	.001Ω ~ .006Ω	5.08	2.54	.635	1.47
	.007Ω ~ .50Ω	5.08	2.54	.635	.508
WSL2512-18	.009	6.35	3.18	.635	.762

Series	Power Rating W	Temperature Coefficient ppm/°C	Short Time Overload
WSL0805-18	.25	±75	5x Rated Power for 5 Seconds
WSL1206-18	.5	.005Ω ~ .006Ω/±110 .007Ω ~ .05Ω/±75	
WSL2010-18	1.0	.001Ω/±275 .006Ω/±110 .007Ω ~ 0.5Ω/±75	
WSL2512-18	2.0	.009Ω/±75	

Resistance Values WSL0805-18, 1%, WSLB

01	.03	.05	.20	.005	.03	.001	.008	.02	.033	.08	.20	.009							
02	.033	.10		.006	.04	.006	.01	.025	.04	.10	.50								
25	.04	.15		.009	.05	.007	.015	.03	.05	.15									

Resistance Values WSL1206-18, 1%, WSLD

Resistance Values WSL2010-18, 1%, WSLF

Resistance Value WSL2512-18, 1%, WSLH

scription	Value Range (Ω)	Digi-Key* Part No.	Pricing 1	10	50	Digi-Key* Part No.	Reel Size	Tape and Reel Pricing 2,000	4,000	5,000	6,000	8,000	10,000
L0805-18, 1%, WSLB	.01 ~ .05	WSLB-(Value)CT-ND	1.32	11.22	49.50	WSLB-(Value)TR-ND	5,000	—	—	416.00/M	—	—	390.00/M
	.10 ~ .20	WSLB-(Value)CT-ND	1.06	9.01	39.75	WSLB-(Value)TR-ND	5,000	—	—	333.00/M	—	—	312.00/M
L1206-18, 1%, WSLD	.005 ~ .009	WSLD-(Value)CT-ND	1.91	16.19	71.44	WSLD-(Value)TR-ND	4,000	—	603.00/M	—	—	566.00/M	—
	.03 ~ .05	WSLD-(Value)CT-ND	1.45	12.28	54.19	WSLD-(Value)TR-ND	4,000	—	456.00/M	—	—	428.00/M	—
L2010-18, 1%, WSLF	.001	WSLF-(Value)CT-ND	2.49	21.17	93.38	WSLF-(Value)TR-ND	4,000	—	790.00/M	—	—	741.00/M	—
	.006 ~ .008	WSLF-(Value)CT-ND	2.36	20.06	88.50	WSLF-(Value)TR-ND	4,000	—	749.00/M	—	—	702.00/M	—
	.01 ~ .05	WSLF-(Value)CT-ND	1.65	13.98	61.69	WSLF-(Value)TR-ND	4,000	—	520.00/M	—	—	488.00/M	—
	.08 ~ .50	WSLF-(Value)CT-ND	1.39	11.77	51.94	WSLF-(Value)TR-ND	4,000	—	437.00/M	—	—	410.00/M	—
S2512-18, 1%, WSLH	.009	WSLH-(Value)CT-ND	2.43	20.61	90.94	WSLH-(Value)TR-ND	2,000	770.00/M	—	—	722.00/M	—	—

complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

VSC Wirewound SMT Resistors

Series	Value Range	Dimensions – (mm) L	W	H	T
WSC01/2	All Listed Values	5.08	2.44	1.02	3.18
WSC2515	All Listed Values	6.35	2.79	1.14	3.81
WSC4527	All Listed Values	11.56	4.24	2.54	6.98
WSC6927	All Listed Values	17.53	7.11	2.54	6.98

Resistance Values WSC01/2, 1% WSCA

1.0	4.99		50	2.0	10	100	2.0K
2.0			1.0	5.0	50	1.0K	

Resistance Values WSC2515, 1%, WSCB

Resistance Values WSC4527, 1%, WSCC

1.0	5.0	20	100	1.0K	50	10	1.0K		
2.0	10	50	400	2.0K	1.0	100			

Resistance Values WSC6927, 1%, WSCD

ries	Power Rating W	Temperature Coefficient ppm/°C	Short Time Overload
201/2	.5	±50	5X Rated Power for 5 Seconds
2515	1.0	50Ω/±90 1.0Ω ~ 10/±50 50Ω ~ 2.0KΩ/±20	
4527	2.0	1.0Ω ~ 5.0Ω/±50 10Ω ~ 2.0KΩ/±20	
6927	3.0	50Ω/±90 1.0Ω/±50 10Ω ~ 1.0KΩ/±20	

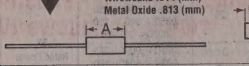
Description	Value Range (Ω)	Digi-Key* Part No.	Pricing 1	10	50	Digi-Key* Part No.	Reel Size	Tape and Reel Pricing 725	1,000	1,200	2,000
WSC01/2, 1%, WSCA	1.0 ~ 4.99	WSCA-(Value)CT-ND	1.85	15.73	69.38	WSCA-(Value)TR-ND	2,000	—	—	—	592.00/M
WSC2515, 1%, WSCB	.50	WSCB-(Value)CT-ND	2.57	21.85	96.38	WSCB-(Value)TR-ND	2,000	—	—	—	816.00/M
	1.0 ~ 10	WSCB-(Value)CT-ND	1.45	12.33	54.38	WSCB-(Value)TR-ND	2,000	—	—	—	464.00/M
	50 ~ 100	WSCB-(Value)CT-ND	1.90	16.15	71.25	WSCB-(Value)TR-ND	2,000	—	—	—	608.00/M
	1.0K ~ 2.0K	WSCB-(Value)CT-ND	3.22	27.37	120.75	WSCB-(Value)TR-ND	1,000	—	1024.00	—	—
WSC4527, 1%, WSCC	1.0	WSCC-(Value)CT-ND	2.57	21.85	96.38	WSCC-(Value)TR-ND	1,200	—	—	1020.00/M	—
	2.0 ~ 20	WSCC-(Value)CT-ND	1.45	12.33	54.38	WSCC-(Value)TR-ND	1,200	—	—	580.00/M	—
	50 ~ 400	WSCC-(Value)CT-ND	2.82	23.97	105.75	WSCC-(Value)TR-ND	1,200	—	—	1120.00/M	—
	1.0K ~ 2.0K	WSCC-(Value)CT-ND	3.82	32.47	143.25	WSCC-(Value)TR-ND	1,200	—	—	1520.00/M	—
WSC6927, 1%, WSCD	50 ~ 1.0	WSCD-(Value)CT-ND	4.22	35.87	158.25	WSCD-(Value)TR-ND	725	1522.50	—	—	—
	10 ~ 1.0K	WSCD-(Value)CT-ND	3.72	31.62	139.50	WSCD-(Value)TR-ND	725	1341.25	—	—	—

*For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

CP Series Wirewound and Metal Oxide Ceramic Case Resistors

VISHAY.

Lead diameter:
Wirewound .914 (mm)
Metal Oxide .813 (mm)



Series	Dimensions – (mm) A	B	C
CP0005	22.22	9.52	8.73
CP0010	47.62	9.52	8.73

Resistance Values CP0005, 5%, CPA, Wirewound

.10	56	2.4	5.6	16	39	82
.20	68	2.7	6.8	18	40	100
.30	75	3.0	7.5	20	43	110
.33	82	3.3	8.2	22	47	120
.39	1.0	3.9	9.1	24	51	130
.47	1.2	4.0	10	27	56	
.50	1.5	4.7	12	30	68	
.51	2.0	5.1	15	33	75	

Resistance Values CP0005, 5%, CPC, Metal Oxide

150	390	1.0K	2.4K	7.5K	
180	400	1.2K	2.7K	8.2K	
200	470	1.3K	3.0K	9.1K	
220	510	1.6K	3.3K	10K	
240	560	1.6K	3.9K		
270	680	1.8K	5.1K		
300	750	2.0K	6.2K		
330	820	2.2K	6.8K		

Resistance Values CP0010, 5%, CPB, Wirewound

.10	3.3	10	33	120	330
.33	4.0	15	39	150	360
.50	4.7	16	47	160	400
1.0	5.1	18	56	180	470
1.5	5.6	20	62	200	750
2.0	6.2	24	68	220	820
2.7	6.8	27	75	270	
3.0	7.5	30	100	300	

Resistance Values CP0010, 5%, CPD, Metal Oxide

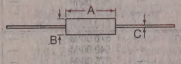
1.0K	3.9K	
1.1K	4.0K	
1.2K	6.8K	
1.6K		
1.8K		
2.0K		
2.2K		
3.3K		

Series	Power Rating W	Temperature Coefficient ppm/°C	Short Time Overload
CP0005 Wirewound	5	100 – 820Ω ±600 1.0Ω – 130Ω ±300	5X Rated Power for 5 Seconds
CP0005 Metal Oxide	5	150Ω – 10KΩ ±300	
CP0010 Wirewound	10	10Ω – 500Ω ±600 1.0Ω – 820Ω ±300	
CP0010 Metal Oxide	10	1.0KΩ – 6.8KΩ ±400	

Description	Value Range (Ω)	Digi-Key* Part No.	Price Each 1	50	100
CP0005, 5%, CPA, Wirewound	.10 – .82	CPA-(Value)-ND	.99	.90	.80
	1.0 – 130	CPA-(Value)-ND	.79	.71	.63
CP0005, 5%, CPC, Metal Oxide	150 – 560	CPC-(Value)-ND	.79	.71	.62
	680 – 10K	CPC-(Value)-ND	.94	.85	.75
CP0010, 5%, CPB, Wirewound	.10 – .50	CPB-(Value)-ND	1.42	1.28	1.14
	1.0 – 820	CPB-(Value)-ND	1.06	.96	.85
CP0010, 5%, CPD, Metal Oxide	1.0K – 6.8K	CPD-(Value)-ND	1.36	1.23	1.09

*For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

LVR Series Low Value Wirewound Resistors



Resistance Values LVR01, 1% LVRA

.01	.033
.02	.05
.025	.10
.03	

Resistance Values LVR03, 1%, LVRB

.005	.025	.07	
.01	.03	.10	
.015	.04	.15	
.02	.05	.20	

Resistance Values LVR05, 1%, LVRC

.005	.025	.07	.30
.01	.03	.10	
.015	.04	.15	
.02	.05	.20	

Series	Dimensions – (mm) A	B (Maximum)	C
LVR01	10.85	2.92	.508
LVR03	14.22	5.21	.813
LVR05	23.50	8.38	1.02

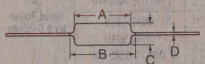
Series	Power Rating W	Short Time Overload
LVR01	1.0	5X Rated Power for 5 Seconds
LVR03	3.0	
LVR05	5.0	

Description	Value Range (Ω)	Digi-Key* Part No.	Cut Tape Pricing 1	10	50	Digi-Key* Part No.	Reel Size	Tape and Reel Pricing 500	1,000	2,500	5,000
LVR01, 1%, LVRA	.01 – .05	LVRA-(Value)CT-ND	1.31	11.79	55.02	LVRA-(Value)TR-ND	1,000	—	884.00	—	832.00/M
	.10	LVRA-(Value)CT-ND	1.26	11.34	52.92	LVRA-(Value)TR-ND	1,000	—	850.00	—	800.00/M
LVR03, 1%, LVRB	.005	LVRB-(Value)CT-ND	1.51	13.59	63.42	LVRB-(Value)TR-ND	1,000	—	1020.00	—	960.00/M
	.01 – .05	LVRB-(Value)CT-ND	1.31	11.79	55.02	LVRB-(Value)TR-ND	1,000	—	884.00	—	832.00/M
	.07 – .20	LVRB-(Value)CT-ND	1.26	11.34	52.92	LVRB-(Value)TR-ND	1,000	—	850.00	—	800.00/M
LVR05, 1%, LVRC	.005	LVRC-(Value)CT-ND	1.81	16.29	76.02	LVRC-(Value)TR-ND	500	648.00	—	1224.00/M	—
	.01 – .04	LVRC-(Value)CT-ND	1.61	14.49	67.62	LVRC-(Value)TR-ND	500	576.00	—	1088.00/M	—
	.05 – .30	LVRC-(Value)CT-ND	1.51	13.59	63.42	LVRC-(Value)TR-ND	500	540.00	—	1020.00/M	—

*For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

G

RS Series Silicone Coated Wirewound Resistors



Series	Dimensions – (mm) A	B (Maximum)	C	D
RS01A	10.31	11.10	2.39	.508
RS02B	14.22	15.80	4.75	.813
RS05	22.23	25.40	7.92	1.02
RS010	45.21	47.50	9.53	1.02

Resistance Values RS01A, 1%, RSA

.10	30	1.5	3.3	10	22	39	68	150	270	400	680	1.0K	2.0K	3.5K	5.6K	8.2K
.13	33	2.0	4.0	12	25	40	75	180	300	470	700	1.1K	2.2K	3.9K	6.0K	10K
.15	50	2.5	4.7	15	30	47	82	200	330	500	750	1.2K	2.5K	4.0K	6.8K	
.20	75	2.7	5.0	18	33	50	100	220	350	560	800	1.5K	2.7K	4.7K	7.0K	
.25	1.0	3.0	7.5	20	35	56	120	250	390	600	820	1.8K	3.0K	5.0K	7.5K	

Series	Power Rating W	Temperature Coefficient ppm/°C	Short Time Overload
RS01A	1.0	100Ω – 750Ω ±90 1.00Ω – 7.50Ω ±50 100Ω – 10KΩ ±20	5X Rated Power for 5 Seconds
RS02B	3.0	100Ω – 750Ω ±90 1.00Ω – 7.50Ω ±50 100Ω – 25KΩ ±20	
RS05	5.0	100Ω – 750Ω ±90 1.00Ω – 7.50Ω ±50 100Ω – 100KΩ ±20	10X Rated Power for 5 Seconds
RS010	10	100Ω – 750Ω ±90 1.00Ω – 7.50Ω ±50 100Ω – 100KΩ ±20	

Resistance Values RS02B, 1%, RSB

.10	2.5	18	68	250	700	2.5K	7.5K	10	2.0	15	50	200	500	1.2K
.13	2.7	20	70	270	750	2.7K	8.0K	13	2.5	18	56	220	560	1.5K
.15	3.0	22	75	300	800	3.0K	8.2K	15	3.0	20	68	225	600	1.8K
.20	3.3	25	82	330	820	3.5K	10K	20	3.3	22	70	250	680	2.0K
.25	3.9	30	100	350	900	3.9K	12.5K	25	3.9	25	75	270	700	2.2K
.30	4.0	33	120	390	1.0K	4.0K	15K	30	4.0	30	82	300	750	2.5K
.33	4.7	35	125	400	1.1K	4.7K	20K	33	4.7	33	100	330	800	2.7K
.50	5.0	39	150	470	1.2K	5.0K	25K	50	5.0	35	120	350	820	3.0K
.75	7.5	40	180	500	1.5K	5.6K		75	7.5	39	125	390	900	3.5K
1.0	10	47	200	560	1.8K	6.0K		1.0	10	40	150	400	1.0K	3.9K
1.5	12	50	220	600	2.0K	6.8K		1.5	12	47	180	470	1.1K	4.0K
2.0	15	56	225	680	2.2K	7.0K								

Resistance Values RS05, 1%, RSC

2.5K	7.5K	10	2.0	15	50	200	500	1.2K	4.7K	15K	10	2.0	20	70
2.7K	8.0K	13	2.5	18	56	220	560	1.5K	5.0K	20K	13	2.7	25	75
3.0K	8.2K	15	3.0	20	68	225	600	1.8K	5.6K	25K	15	3.0	30	100
3.5K	10K	20	3.3	22	70	250	680	2.0K	6.0K	39K	20	3.9	33	120
3.9K	12.5K	25	3.9	25	75	270	700	2.2K	6.8K	47K	25	4.0	35	125
4.0K	15K	30	4.0	30	82	300	750	2.5K	7.0K	50K	30	5.0	39	150
4.7K	20K	33	4.7	33	100	330	800	2.7K	7.5K	56K	33	7.5	40	180
5.0K	25K	50	5.0	35	120	350	820	3.0K	8.0K	100K	50	10	47	200
		75	7.5	39	125	390	900	3.5K	8.2K		75	12	50	220
		1.0	10	40	150	400	1.0K	3.9K	10K		1.0	12.1	56	225
		1.5	12	47	180	470	1.1K	4.0K	12.5K		1.5	15	68	250

Resistance Values RS010, 1%, RSD

300	800	3.0K	2		
330	820	3.5K	2		
360	1.0K	4.7K	3		
400	1.2K	5.0K	4		
470	1.5K	7.0K	10		
500	1.8K	7.5K			
560	2.0K	8.2K			
600	2.2K	10K			
680	2.5K	12.5K			
750	2.7K	15K			

Description	Value Range (Ω)	Digi-Key* Part No.	Cut Tape Pricing 1	10	50	Digi-Key* Part No.	Reel Size	Tape and Reel Pricing 500	1,000	2,500	5,000
RS01A, 1%, RSA	.10 – .75	RSA-(Value)CT-ND	1.36	12.24	57.12	RSA-(Value)TR-ND	1,000	—	918.00	—	864.00
	1.0 – 1.0K	RSA-(Value)CT-ND	1.11	9.99	46.62	RSA-(Value)TR-ND	1,000	—	748.00	—	704.00
	1.1K – 3.5K	RSA-(Value)CT-ND	1.19	10.67	49.77	RSA-(Value)TR-ND	1,000	—	799.00	—	752.00
	3.9K – 10K	RSA-(Value)CT-ND	1.71	15.39	71.82	RSA-(Value)TR-ND	1,000	—	1156.00	—	1088.00
RS02B, 1%, RSB	.10 – .75	RSB-(Value)CT-ND	1.31	11.79	55.02	RSB-(Value)TR-ND	1,000	—	884.00	—	832.00
	1.0 – 1.0K	RSB-(Value)CT-ND	.89	7.97	37.17	RSB-(Value)TR-ND	1,000	—	595.00	—	560.00
	1.1K – 10K	RSB-(Value)CT-ND	1.06	9.54	44.52	RSB-(Value)TR-ND	1,000	—	714.00	—	672.00
	12.5K – 20K	RSB-(Value)CT-ND	1.56	14.04	65.52	RSB-(Value)TR-ND	1,000	—	1054.00	—	992.00
	25K	RSB-(Value)CT-ND	3.11	27.99	130.62	RSB-(Value)TR-ND	1,000	—	2108.00	—	1984.00
RS05, 1%, RSC	.10 – .75	RSC-(Value)CT-ND	1.46	13.14	61.32	RSC-(Value)TR-ND	500	522.00	—	986.00/M	—
	1.0 – 1.0K	RSC-(Value)CT-ND	1.04	9.32	43.47	RSC-(Value)TR-ND	500	369.00	—	697.00/M	—
	1.1K – 10K	RSC-(Value)CT-ND	1.19	10.67	49.77	RSC-(Value)TR-ND	500	423.00	—	799.00/M	—
	12.5K – 25K	RSC-(Value)CT-ND	1.39	12.47	58.17	RSC-(Value)TR-ND	500	495.00	—	935.00/M	—
	39K – 50K	RSC-(Value)CT-ND	1.69	15.17	70.77	RSC-(Value)TR-ND	500	603.00	—	1139.00/M	—
	56K	RSC-(Value)CT-ND	2.14	19.22	89.67	RSC-(Value)TR-ND	500	765.00	—	1445.00/M	—
	100K	RSC-(Value)CT-ND	2.13	19.13	89.25	RSC-(Value)TR-ND	500	765.00	—	1445.00/M	—
RS010, 1%, RSD	.10 – .75	RSD-(Value)CT-ND	1.81	16.29	76.02	RSD-(Value)TR-ND	500	648.00	—	1224.00/M	—
	1.0 – 1.0K	RSD-(Value)CT-ND	1.34	12.02	56.07	RSD-(Value)TR-ND	500	477.00	—	901.00/M	—
	1.1K – 10K	RSD-(Value)CT-ND	1.34	12.02	56.07	RSD-(Value)TR-ND	500	477.00	—	901.00/M	—
	12.5K – 25K	RSD-(Value)CT-ND	1.81	16.29	76.02	RSD-(Value)TR-ND	500	648.00	—	1224.00/M	—
	39K – 50K	RSD-(Value)CT-ND	2.09	18.77	87.57	RSD-(Value)TR-ND	500	747.00	—	1411.00/M	—
	100K	RSD-(Value)CT-ND	2.34	21.02	98.07	—	—	—	—	—	—

*For complete part number, substitute Digi-Key value (from Resistance Value Chart) for (Value).

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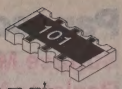
anasonic Surface Mount Chip Resistor Arrays



ES:

nsity: • 2 resistors in 0.8mm x 0.6mm size (EXB-14V) • 2 resistors in 1.6mm x 1.6mm size (EXB-V4V) • 4 resistors in x 1.6mm size (EXB-V8V) • 2 resistors in 1.0mm x 1.0mm size (EXB-24V) • 4 resistors in 1.4mm x 0.6mm size (EXB-18V) tors in 2.0mm x 1.0mm size (EXB-28V) • 4 resistors in 2.0mm x 1.0mm size (EXB-N8V) • 2 resistors in 1.6mm x 1.6mm B-34V) • 4 resistors in 3.2mm x 1.6mm size (EXB-38V) • 8 resistors in 3.8mm x 1.6mm size (EXB-2HV) • Improvement of nt efficiency: Placement efficiency of Chip Resistor Array is two or four times that of discrete chip resistors.

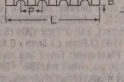
ICATIONS:

ance Tolerance: J: ±5% • Power Rating at 70°C: 1/16W per element; 1/32W for EXB-14V, EXB-28V, EXB-N8V and EXB-; Maximum Rated Continuous Working Voltage ‡: 50V; 25V for EXB-2HV; 12.5V for EXB-14V and EXB-18V • Maximum d Voltage: 100V; 50V for EXB-2HV; 25V for EXB-14V and EXB-18V • Temperature Characteristic Range: ±200ppm/°C ting Temperature Range: -55°C ~ 125°C

EXB-N8V, EXB-V4V and EXB-V8V

Type	Dimensions (mm) L	W	T	A1	A2	B	P	G	Weight (g/M pcs.)
EXB-N8V	2.0	1.0	0.45	0.3	0.3	0.2	0.5	0.30	3.0
EXB-V4V	1.6	1.6	0.60	0.6	—	0.3	0.8	0.45	5.0
EXB-V8V	3.2	1.6	0.60	0.6	0.6	0.3	0.8	0.45	10

‡ Rated continuous working voltage (RCWV) shall be determined from RCWV = √ Power Rating x Resistance Value, or maximum RCWV listed, whichever is less.



Isolated Terminals

1 —
esistors

2 —
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3 —
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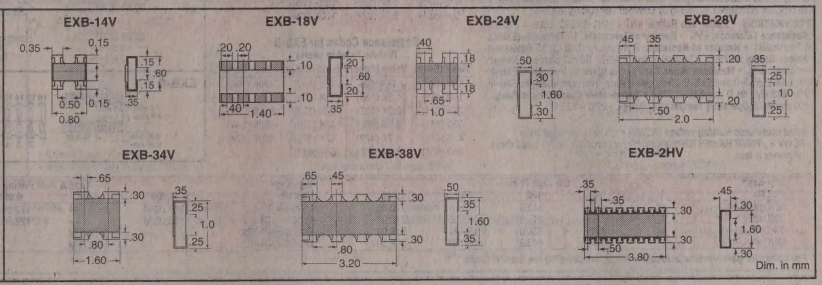


EXB-V4V, EXB-V8V, EXB-24V, EXB-34V and EXB-38V Series Isolated Terminals Resistance Codes (E12 Values) (Value listed in ohms)

alue ode)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
(000)	3R9 (3R9)	27 (270)	470 (471)	8.2K (822)	150K (154)
(1R0)	4R3 (4R3)	33 (330)	560 (561)	10K (103)	180K (184)
(1R1)	4R7 (4R7)	39 (390)	680 (681)	12K (123)	220K (224)
(1R2)	5R1 (5R1)	47 (470)	820 (821)	15K (153)	270K (274)
(1R3)	5R6 (5R6)	56 (560)	1.0K (102)	18K (183)	330K (334)
(1R5)	6R2 (6R2)	68 (680)	1.2K (122)	22K (223)	390K (394)
(1R6)	6R8 (6R8)	82 (820)	1.5K (152)	27K (273)	470K (474)
(1R8)	7R5 (7R5)	100 (101)	1.8K (182)	33K (333)	560K (564)
(2R0)	8R2 (8R2)	120 (121)	2.2K (222)	39K (393)	680K (684)
(2R2)	9R1 (9R1)	150 (151)	2.7K (272)	47K (473)	820K (824)
(2R4)	10 (100)	180 (181)	3.3K (332)	56K (563)	1M (105)
(2R7)	12 (120)	220 (221)	3.9K (392)	68K (683)	
(3R0)	15 (150)	270 (271)	4.7K (472)	82K (823)	
(3R3)	18 (180)	330 (331)	5.6K (562)	100K (104)	
(3R6)	22 (220)	390 (391)	6.8K (682)	120K (124)	

EXB-14V and EXB-18V Series Isolated Terminals Resistance Codes (E12 Values) (Value listed in ohms)

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0.0 (000)	47 (470)	270 (271)	1.5K (152)	8.2K (822)	47K (473)	270K (274)
10 (100)	56 (560)	330 (331)	1.8K (182)	10K (103)	56K (563)	330K (334)
12 (120)	68 (680)	390 (391)	2.2K (222)	12K (123)	68K (683)	390K (394)
15 (150)	82 (820)	470 (471)	2.7K (272)	15K (153)	82K (823)	470K (474)
18 (180)	100 (101)	560 (561)	3.3K (332)	18K (183)	100K (104)	560K (564)
22 (220)	120 (121)	680 (681)	3.9K (392)	22K (223)	120K (124)	680K (684)
27 (270)	150 (151)	820 (821)	4.7K (472)	27K (273)	150K (154)	820K (824)
33 (330)	180 (181)	1.0K (102)	5.6K (562)	33K (333)	180K (184)	1M (105)
39 (390)	220 (221)	1.2K (122)	6.8K (682)	39K (393)	220K (224)	

EXB-2HV Series Isolated Terminals Resistance Codes (E12 Values) (Value listed in ohms)

alue ode)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
(000)	10 (100)	120 (121)	1.5K (152)	18K (183)	220K (224)
(1R0)	12 (120)	150 (151)	1.8K (182)	22K (223)	270K (274)
(1R2)	15 (150)	180 (181)	2.2K (222)	27K (273)	330K (334)
(1R5)	18 (180)	220 (221)	2.7K (272)	33K (333)	390K (394)
(1R8)	22 (220)	270 (271)	3.3K (332)	39K (393)	470K (474)
(2R2)	27 (270)	330 (331)	3.9K (392)	47K (473)	560K (564)
(2R7)	33 (330)	390 (391)	4.7K (472)	56K (563)	680K (684)
(3R3)	39 (390)	470 (471)	5.6K (562)	68K (683)	820K (824)
(3R9)	47 (470)	560 (561)	6.8K (682)	82K (823)	1M (105)
(4R7)	56 (560)	680 (681)	8.2K (822)	100K (104)	
(5R6)	68 (680)	820 (821)	10K (103)	120K (124)	
(6R8)	82 (820)	1.0K (102)	12K (123)	150K (154)	
(8R2)	100 (101)	1.2K (122)	15K (153)	180K (184)	

EXB-28V and EXB-N8V Series Isolated Terminals Resistance Codes (E24 Values) (Value listed in ohms)

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0.0 (000)	6.8 (6R8)	51 (510)	390 (391)	3.0K (302)	22K (223)	160K (164)
1.0 (1R0)	7.5 (7R5)	56 (560)	430 (431)	3.3K (332)	24K (243)	180K (184)
1.1 (1R1)	8.2 (8R2)	62 (620)	470 (471)	3.6K (362)	27K (273)	200K (204)
1.2 (1R2)	9.1 (9R1)	68 (680)	510 (511)	3.9K (392)	30K (303)	220K (224)
1.3 (1R3)	10 (100)	75 (750)	560 (561)	4.3K (432)	33K (333)	240K (244)
1.5 (1R5)	11 (110)	82 (820)	620 (621)	4.7K (472)	36K (363)	270K (274)
1.6 (1R6)	12 (120)	91 (910)	680 (681)	5.1K (512)	39K (393)	300K (304)
1.8 (1R8)	13 (130)	100 (101)	750 (751)	5.6K (562)	43K (433)	330K (334)
2.0 (2R0)	15 (150)	110 (111)	820 (821)	6.2K (622)	47K (473)	360K (364)
2.2 (2R2)	16 (160)	120 (121)	910 (911)	6.8K (682)	51K (513)	390K (394)
2.4 (2R4)	18 (180)	130 (131)	1.0K (102)	7.5K (752)	56K (563)	430K (434)
2.7 (2R7)	20 (200)	150 (151)	1.1K (112)	8.2K (822)	62K (623)	470K (474)
3.0 (3R0)	22 (220)	160 (161)	1.2K (122)	9.1K (912)	68K (683)	510K (514)
3.3 (3R3)	24 (240)	180 (181)	1.3K (132)	10K (103)	75K (753)	560K (564)
3.6 (3R6)	27 (270)	200 (201)	1.5K (152)	11K (113)	82K (823)	620K (624)
3.9 (3R9)	30 (300)	220 (221)	1.6K (162)	12K (123)	91K (913)	680K (684)
4.3 (4R3)	33 (330)	240 (241)	1.8K (182)	13K (133)	100K (104)	750K (754)
4.7 (4R7)	36 (360)	270 (271)	2.0K (202)	15K (153)	110K (114)	820K (824)
5.1 (5R1)	39 (390)	300 (301)	2.2K (222)	16K (163)	120K (124)	910K (914)
5.6 (5R6)	43 (430)	330 (331)	2.4K (242)	18K (183)	130K (134)	1M (105)
6.2 (6R2)	47 (470)	360 (361)	2.7K (272)	20K (203)	150K (154)	

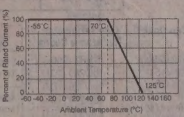
,	No. of Resistors	Resistor Value Range§	Digi-Key® Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key® Part No.	Tape & Reel Pricing 5,000	10,000	20,000	Panasonic® Part No.
	4	E24	Y10(Code)CT-ND	.44	3.85	13.75	23.65	Y10(Code)TR-ND	—	10.00/M	—	EXB-N8V□□□JX
	2	E12	Y2(Code)CT-ND	.48	4.20	15.00	25.80	Y2(Code)TR-ND	17.00/M	16.00/M	—	EXB-V4V□□□JV
	4	E12	Y4(Code)CT-ND	.80	7.00	25.00	43.00	Y4(Code)TR-ND	28.00/M	26.00/M	—	EXB-V8V□□□JV
	2	E12	Y3(Code)CT-ND	1.46	12.81	45.75	78.69	Y3(Code)TR-ND	—	51.00/M	48.00/M	EXB-14V□□□JX
	4	E12	Y6(Code)CT-ND	2.38	20.83	74.38	127.93	Y6(Code)TR-ND	—	83.00/M	—	EXB-18V□□□JX
	2	E12	Y5(Code)CT-ND	1.00	8.75	31.25	53.75	Y5(Code)TR-ND	—	34.00/M	33.00/M	EXB-24V□□□JX
	4	E24	Y7(Code)CT-ND	1.00	8.75	31.25	53.75	Y7(Code)TR-ND	—	34.00/M	33.00/M	EXB-28V□□□JX
	2	E12	Y8(Code)CT-ND	.42	3.68	13.13	22.58	Y8(Code)TR-ND	15.00/M	14.00/M	—	EXB-34V□□□JV
	4	E12	Y9(Code)CT-ND	.31	2.73	9.75	16.77	Y9(Code)TR-ND	11.00/M	10.00/M	—	EXB-38V□□□JV
	8	E12	Y1(Code)CT-ND	1.80	15.75	56.25	96.75	Y1(Code)TR-ND	61.00/M	59.00/M	—	EXB-2HV□□□JV

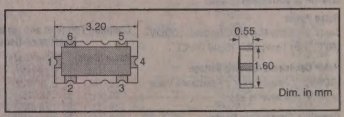
omplete part number, substitute the corresponding resistance Code. § E24 Resistance Values are available for other series. Please call Digi-Key for details.

F Jumper Chip Resistor

FICATIONS:

ion (2.5GHz): -40dB maximum • Return Loss (2.5GHz): -20dB maximum • Rated Current: 1A (derating or jumpers operated in ambient temperatures above 70°C, rated current shall be derated in accordance erating curve chart • Number of Terminals: 6 erature Range: -55°C ~ 125°C





sistance (Terminal)	Insertion Loss (2.5GHz)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	1,000	Digi-Key Part No.	Tape & Reel Pricing 5,000	10,000	15,000	25,000	50,000	Panasonic Part No.
mΩ max.	-0.5dB max.	P0.0NCT-ND	2.41	20.06	80.25	133.75	P0.0NTR-ND	89.00/M	74.00/M	69.00/M	67.00/M	63.00/M	EXB-D6JP000A

G

Panasonic

Surface Mount Chip Resistor Networks — Series EXB-A, EXB-E, EXB-D and EXB-Q

FEATURES: • **High Density:** Bussed 8 resistors for pull up/down circuit in EXB-A Type 2512 (6.4mm x 3.1mm x 0.55mm), EXB-E Type 1608 (4.0mm x 2.1mm x 0.55mm), EXB-D Type 1206 (3.2mm x 1.6mm x 0.55mm) size and EXB-Q Type 1506 (3.8mm x 1.6mm x 0.45mm)
• **Automatic Placement:** Taped and reeled packaging is suitable for high speed automatic placement machine • EXB-Q has available direct placing on the bus line by means of half pitch spacing without through-holes on PWB. It also features high speed mounting by conventional placing machine.
SPECIFICATIONS: • **Resistance Range:** 47Ω ~ 1MΩ (EXB-Q: 100Ω ~ 470KΩ) • **Resistance Tolerance:** ±5% • **Number of Terminals:** 10 Terminals (EXB-Q: 16 Terminals) • **Number of Resistors:** 8 Resistors (EXB-Q: 15 Resistors) • **Power Rating at 70°C:** 63mW/element (EXB-D: 50mW/element; EXB-Q: 25mW/element) • **Maximum Rated Continuous Working Voltage †:** EXB-A: 200V; EXB-E, EXB-D and EXB-Q: 25V • **Maximum Overload Voltage:** EXB-A: 400V; EXB-E, EXB-D and EXB-Q: 50V • **Temperature Characteristic Range:** ±200 ppm/°C • **Operating Temperature Range:** -55°C ~ 125°C

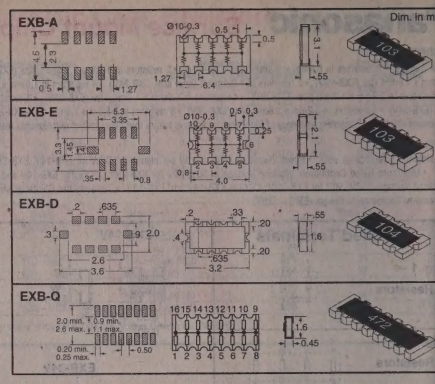
† Rated continuous working voltage (RCWV) shall be determined from RCWV = √(Power Rating x Resistance Value), or maximum RCWV listed above, whichever is less.

Resistance Codes for EXB-A, EXB-E and EXB-D
(Values listed in ohms)

Value (Code)	Value (Code)	Value (Code)	Value (Code)
47 (470)	680 (681)	10K (103)	150K (154)
56 (560)	820 (821)	12K (123)	180K (184)
68 (680)	1.0K (102)	15K (153)	220K (224)
82 (820)	1.2K (122)	18K (183)	270K (274)
100 (101)	1.5K (152)	22K (223)	330K (334)
120 (121)	1.8K (182)	27K (273)	390K (394)
150 (151)	2.2K (222)	33K (333)	470K (474)
180 (181)	2.7K (272)	39K (393)	560K (564)
220 (221)	3.3K (332)	47K (473)	680K (684)
270 (271)	3.9K (392)	56K (563)	820K (824)
330 (331)	4.7K (472)	68K (683)	1M (105)
390 (391)	5.6K (562)	82K (823)	
470 (471)	6.8K (682)	100K (104)	
560 (561)	8.2K (822)	120K (124)	

Resistance Codes for EXB-Q
(Values listed in ohms)

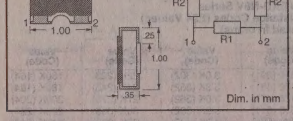
Value (Code)	Value (Code)	Value (Code)	Value (Code)
100 (101)	1K (102)	10K (103)	100K (104)
150 (151)	1.5K (152)	15K (153)	150K (154)
220 (221)	2.2K (222)	22K (223)	220K (224)
330 (331)	3.3K (332)	33K (333)	330K (334)
470 (471)	4.7K (472)	47K (473)	470K (474)
680 (681)	6.8K (682)	68K (683)	



Digi-Key* Part No.	Cut Tape Pricing 1	10	100	500	1,000	Digi-Key* Part No.	Tape & Reel Pricing 4,000	5,000	8,000	10,000	Panasonic* Part No.
U7(Code)CT-ND	.46	4.26	34.50	143.75	230.00	U7(Code)TR-ND	207.00/M	—	173.00/M	—	EXB-A10P(Code)J
U8(Code)CT-ND	.42	3.89	31.50	131.25	210.00	U8(Code)TR-ND	153.00/M	—	128.00/M	—	EXB-E10C(Code)J
U9(Code)CT-ND	.44	4.03	32.70	136.25	218.00	U9(Code)TR-ND	—	153.00/M	—	128.00/M	EXB-D10C(Code)J
U6(Code)CT-ND	.60	5.54	44.93	187.19	299.50	U6(Code)TR-ND	—	270.00/M	—	225.00/M	EXB-Q16P(Code)J

* For complete part number, substitute the corresponding resistance Code

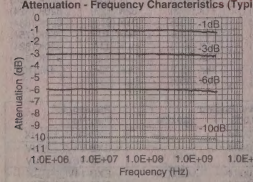
Surface Mount 0404 Balanced 0 Type Chip Attenuator — Series EXB-24AB



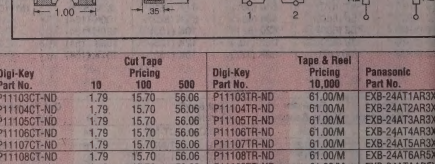
FEATURES: • Balanced "0" type attenuator circuit in one 0404 chip (1.0mm x 1.0mm) • Mounting occupation area reduction: ~approximately 65% reduction compared with attenuator circuit and consists of four discrete 0402 chip resistors: ~approximately 26% reduction compared with the attenuator circuit and consists of four discrete 0201 resistors • Mounting time reduction: 4 times >>> 1 time • Attenuation: 0dB to 10dB **APPLICATIONS:** • Attenuation/level control/impedance matching of high frequency signal communication equipment – cellular phones (GSM, CDMA, PDC, etc.), PHS, PDA, for example. **SPECIFICATIONS:** • Rated Power: 0.040W (40mW)/package • Frequency Ra DC to 2.5GHz • VSWR (Voltage Standing Wave Ratio) 1.2 maximum (typical), 1.5 maximum (0dB, typical) • Operating Temperature Range: -55°C ~ 125°C

Tolerance of Attenuation	Attenuation Value (dB)	R1 (Ω)	R2 (Ω)	Characteristic Impedance (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Pricing 10,000	Panasonic Part No.
±0.8	0	0	open	0	P11153CT-ND	2.44	21.33	76.19	P11153TR-ND	82.00/M	EXB-24AB00R8X
	1	5.77	1.74k	100	P11154CT-ND	2.44	21.33	76.19	P11154TR-ND	82.00/M	EXB-24AB1CR8X
	2	11.6	872	100	P11155CT-ND	2.44	21.33	76.19	P11155TR-ND	82.00/M	EXB-24AB2CR8X
	3	17.6	585	100	P11156CT-ND	2.44	21.33	76.19	P11156TR-ND	82.00/M	EXB-24AB3CR8X
±1.0	6	37.4	301	100	P11157CT-ND	2.44	21.33	76.19	P11157TR-ND	82.00/M	EXB-24AB6C1R8X
±2.0	10	71.2	192	100	P11158CT-ND	2.44	21.33	76.19	P11158TR-ND	82.00/M	EXB-24ABAC2R8X
±0.8	1	11.5	3.48k	200	P11159CT-ND	2.44	21.33	76.19	P11159TR-ND	82.00/M	EXB-24AB1ER8X
	2	23.2	1.74k	200	P11160CT-ND	2.44	21.33	76.19	P11160TR-ND	82.00/M	EXB-24AB2ER8X
	3	35.2	1.17k	200	P11161CT-ND	2.44	21.33	76.19	P11161TR-ND	82.00/M	EXB-24AB3ER8X
	6	74.7	602	200	P11162CT-ND	2.44	21.33	76.19	P11162TR-ND	82.00/M	EXB-24AB6E1R8X
	10	142	385	200	P11163CT-ND	2.44	21.33	76.19	P11163TR-ND	82.00/M	EXB-24ABAE2R8X
±0.8	1	17.3	5.22k	300	P11164CT-ND	2.44	21.33	76.19	P11164TR-ND	82.00/M	EXB-24AB1GR8X
	2	34.8	2.62k	300	P11165CT-ND	2.44	21.33	76.19	P11165TR-ND	82.00/M	EXB-24AB2GR8X
	3	52.8	1.75k	300	P11166CT-ND	2.44	21.33	76.19	P11166TR-ND	82.00/M	EXB-24AB3GR8X
±1.0	6	112	903	300	P11167CT-ND	2.44	21.33	76.19	P11167TR-ND	82.00/M	EXB-24AB6G1R8X
±2.0	10	213	577	300	P11168CT-ND	2.44	21.33	76.19	P11168TR-ND	82.00/M	EXB-24ABAG2R8X

Surface Mount 0404 Chip Attenuator — Series EXB-24AT



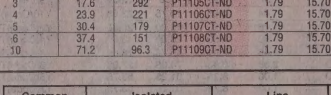
FEATURES: • Unbalanced π type attenuator circuit in one chip (1.0mm x 1.0mm) • Mounting occupation area reduction: about 50% reduction compared with attenuator circuit consisting of three 0402 chip resistors • Mounting Times reduction: 3 time >>> 1 time • Attenuation: 1dB to 10dB **APPLICATIONS:** • Attenuation/level control/impedance matching of high frequency signals of communication equipment – cellular phones (GSM, CDMA, PDC, etc.), PHS, PDA, for example. **SPECIFICATIONS:** • Characteristic Impedance: 50Ω • Rated Power: 0.040W (40mW)/package • Frequency Range: DC to 2GHz • VSWR (Voltage Standing Wave Ratio) 1.3 maximum



Tolerance of Attenuation	Attenuation Value (dB)	R1 (Ω)	R2 (Ω)	Digi-Key Part No.	Cut Tape Pricing 10	100	500	Digi-Key Part No.	Tape & Reel Pricing 10,000	Panasonic Part No.
±0.3	1	5.77	870	P11103CT-ND	1.79	15.70	56.06	P11103TR-ND	61.00/M	EXB-24AT1AR3X
	2	11.6	436	P11104CT-ND	1.79	15.70	56.06	P11104TR-ND	61.00/M	EXB-24AT2AR3X
	3	17.6	292	P11105CT-ND	1.79	15.70	56.06	P11105TR-ND	61.00/M	EXB-24AT3AR3X
	4	23.9	221	P11106CT-ND	1.79	15.70	56.06	P11106TR-ND	61.00/M	EXB-24AT4AR3X
	5	30.4	179	P11107CT-ND	1.79	15.70	56.06	P11107TR-ND	61.00/M	EXB-24AT5AR3X
±0.5	6	37.4	151	P11108CT-ND	1.79	15.70	56.06	P11108TR-ND	61.00/M	EXB-24AT6AR5X
	10	71.2	96.3	P11109CT-ND	1.79	15.70	56.06	P11109TR-ND	61.00/M	EXB-24ATAAR5X

2% Thick Film Resistor Networks

Low Profile, Single-In-Line Package, Highly Stable, Equivalent to MIL-R-83401



General Specifications:

Rated Power:
Common: 125mW (70°C); Isolated: 200mW (60°C); Line Terminator; 75mW (70°C).

Rated Continuous Working Voltage (RCWV): √(Rated Power x Resistance Value) or 100V; whichever is less.

Operating Temperature Range:
-55°C ~ 125°C

Storage Temperature Range:
-55°C ~ 150°C

Common Terminal and Isolated Terminal: Resistance Codes

Value (Code)	Value (Code)	Value (Code)
100 (101)	6.8K (682)	150K (154)
150 (151)	8.2K (822)	220K (224)
220 (221)	15K (153)	330K (334)
330 (331)	22K (223)	470K (474)
560 (561)	33K (333)	560K (564)
680 (681)	47K (473)	680K (684)
820 (821)	56K (563)	
1.5K (152)	68K (683)	
5.6K (562)	82K (823)	

Line Terminator: Resistance Codes

R1/R2 (Code)
160/240 (T01)
180/390 (T02)
220/270 (T03)
220/330 (T04)
330/390 (T05)
330/470 (T06)
330/680 (T07)
1.5K/3.3K (T09)

Type	Res. Elements	No. of Pins	Dim. A (mm)	Digi-Key* Part No.	Pricing 1	10	100	1,000	5,000	Panasonic Part No.
Common Terminal	5	6	14.88	Q5(Code)-ND	.25	2.03	15.23	102.00	92.00/M	EXB-F6E (Code)
	7	8	19.96	Q7(Code)-ND	.33	2.67	19.99	133.00	121.00/M	EXB-F8E (Code)
	9	10	25.04	Q9(Code)-ND	.42	3.35	25.14	168.00	152.00/M	EXB-F10E (Code)
Isolated Terminator	3	6	14.88	Q2(Code)-ND	.25	2.03	15.23	102.00	92.00/M	EXB-F6V (Code)
	4	8	19.96	Q4(Code)-ND	.33	2.67	19.99	133.00	121.00/M	EXB-F8V (Code)
	5	10	25.04	Q6(Code)-ND	.42	3.35	25.14	168.00	152.00/M	EXB-F10 (Code)
Line Terminator	6	8	14.88	Q0(Code)-ND	.40	3.23	24.22	161.00	147.00/M	EXB-F6WT (Code)
	12	8	19.96	Q1(Code)-ND	.54	4.32	32.39	216.00	196.00/M	EXB-F8WT (Code)
	16	10	25.04	Q3(Code)-ND	.67	5.38	40.37	269.00	245.00/M	EXB-F10WT (Code)

* For complete part number, substitute the corresponding resistance Code.

More Product Available Online: www.digikey.com
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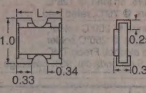
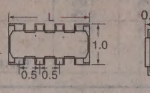
Dim. in mm

MNR02 SERIES



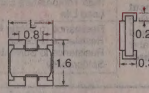
Circuit Type: Isolated
Max. Operating Voltage: 25V

MNR04 SERIES



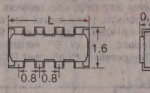
- Circuit Type: Isolated
- Max. Operating Voltage: 25V

MNR12 SERIES



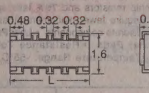
- Circuit Type: Isolated
- Max. Operating Voltage: 50V

MNR14 SERIES



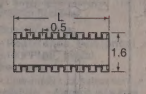
- Circuit Type: Isolated
- Max. Operating Voltage: 50V

MNR15 SERIES



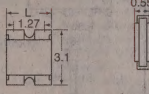
- Circuit Type: Bussed
- Max. Operating Voltage: 12.5V

MNR18 SERIES



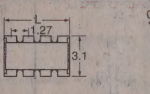
Circuit Type: Isolated
Max. Operating Voltage: 25V

MNR32 SERIES



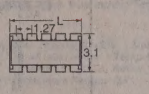
- Circuit Type: Isolated
- Max. Operating Voltage: 200V

MNR34 SERIES



- Circuit Type: Isolated
- Max. Operating Voltage: 200V

MNR35 SERIES



- Circuit Type: Bussed
- Max. Operating Voltage: 50V

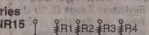
ries MNR02, MNR12 d MNR32

R1 = R2

Series MNR04, MNR14 and MNR34

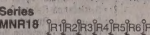
R1 = R2 = R3 = R4

Series MNR15



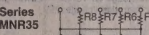
R1=R2=R3=R4=R5=R6=R7=R8

Series MNR18



R1=R2=R3=R4=R5=R6=R7=R8

Series MNR35



R1=R2=R3=R4=R5=R6=R7=R8

Resistance Values (Ω) MNR02 Series

Value (Code)	Value (Code)
0.0 (000)	100 (101)
10 (100)	1.0K (102)
22 (220)	4.7K (472)
33 (330)	10K (103)
56 (560)	47K (473)

Resistance Values (Ω) MNR15 Series Chip Arrays

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
56 (560)	330 (331)	560 (561)	1.8K (182)	4.7K (472)	18K (183)	68K (683)
100 (101)	390 (391)	680 (681)	2.0K (202)	5.1K (512)	20K (203)	100K (104)
150 (151)	430 (431)	1.0K (102)	2.2K (222)	5.6K (562)	22K (223)	
220 (221)	470 (471)	1.2K (122)	2.7K (272)	8.2K (822)	33K (333)	
300 (301)	510 (511)	1.5K (152)	3.3K (332)	10K (103)	47K (473)	

Resistance Values (Ω) MNR04 Series

e (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0 (000)	27 (270)	56 (560)	150 (151)	820 (821)	4.7K (472)	33K (333)
0 (100)	30 (300)	62 (620)	220 (221)	1.0K (102)	5.1K (512)	47K (473)
2 (120)	33 (330)	68 (680)	240 (241)	1.2K (122)	6.8K (682)	51K (513)
5 (150)	39 (390)	75 (750)	300 (301)	1.5K (152)	8.2K (822)	56K (563)
8 (180)	43 (430)	82 (820)	330 (331)	2.2K (222)	10K (103)	100K (104)
2 (220)	47 (470)	100 (101)	470 (471)	2.7K (272)	15K (153)	1.0M (105)
4 (240)	51 (510)	120 (121)	680 (681)	3.0K (302)	22K (223)	

Resistance Values (Ω) MNR18 Series

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
10 (100)	30 (300)	56 (560)	200 (201)	1.0K (102)	5.1K (512)	47K (473)
12 (120)	33 (330)	62 (620)	220 (221)	1.2K (122)	6.8K (682)	51K (513)
15 (150)	36 (360)	68 (680)	240 (241)	1.5K (152)	8.2K (822)	56K (563)
18 (180)	39 (390)	75 (750)	300 (301)	2.0K (202)	10K (103)	100K (104)
20 (200)	43 (430)	82 (820)	330 (331)	2.2K (222)	15K (153)	1.0M (105)
22 (220)	47 (470)	100 (101)	470 (471)	2.7K (272)	20K (203)	
24 (240)	50 (500)	120 (121)	680 (681)	3.0K (302)	22K (223)	
27 (270)	51 (510)	150 (151)	820 (821)	4.7K (472)	33K (333)	

Resistance Values (Ω) MNR12 Series

e (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0 (000)	39 (390)	100 (101)	360 (361)	1.2K (122)	10K (103)	150K (154)
0 (100)	47 (470)	130 (131)	470 (471)	1.8K (182)	15K (153)	220K (224)
3 (180)	51 (510)	150 (151)	510 (511)	2.0K (202)	22K (223)	1.0M (105)
8 (220)	56 (560)	220 (221)	680 (681)	2.2K (222)	39K (393)	
7 (270)	68 (680)	270 (271)	820 (821)	2.4K (242)	47K (473)	
3 (330)	75 (750)	330 (331)	1.0K (102)	4.7K (472)	100K (104)	

Resistance Values (Ω) MNR32 Series

Value (Code)	Value (Code)	Value (Code)	Value (Code)
39 (390)	270 (271)	132 (1.3K)	4.7K (472)
100 (101)	470 (471)	182 (1.8K)	10K (103)
180 (181)	1.0K (102)	392 (3.9K)	47K (473)

Resistance Values (Ω) MNR14 Series

e (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0 (000)	36 (360)	220 (221)	1.3K (132)	8.2K (822)	51K (513)	360K (364)
2 (2R2)	39 (390)	240 (241)	1.5K (152)	9.1K (912)	56K (563)	390K (394)
3 (3R0)	43 (430)	270 (271)	1.6K (162)	10K (103)	62K (623)	430K (434)
3 (3R3)	47 (470)	300 (301)	1.8K (182)	11K (113)	68K (683)	470K (474)
7 (4R7)	51 (510)	330 (331)	2.0K (202)	12K (123)	75K (753)	510K (514)
6 (6R8)	56 (560)	360 (361)	2.2K (222)	13K (133)	82K (823)	560K (564)
0 (100)	62 (620)	390 (391)	2.4K (242)	15K (153)	91K (913)	620K (624)
(110)	68 (680)	430 (431)	2.7K (272)	16K (163)	100K (104)	680K (684)
2 (120)	75 (750)	470 (471)	3.0K (302)	18K (183)	110K (114)	750K (754)
3 (130)	82 (820)	510 (511)	3.3K (332)	20K (203)	120K (124)	820K (824)
5 (150)	91 (910)	560 (561)	3.6K (362)	22K (223)	130K (134)	910K (914)
6 (160)	100 (101)	620 (621)	3.9K (392)	24K (243)	150K (154)	1.0M (105)
8 (180)	110 (111)	680 (681)	4.3K (432)	27K (273)	160K (164)	
0 (200)	120 (121)	750 (751)	4.7K (472)	30K (303)	180K (184)	
2 (220)	130 (131)	820 (821)	5.1K (512)	33K (333)	200K (204)	
4 (240)	150 (151)	910 (911)	5.6K (562)	36K (363)	220K (224)	
7 (270)	160 (161)	1.0K (102)	6.2K (622)	39K (393)	240K (244)	
0 (300)	180 (181)	1.1K (112)	6.8K (682)	43K (433)	300K (304)	
3 (330)	200 (201)	1.2K (122)	7.5K (752)	47K (473)	330K (334)	

Resistance Values (Ω) MNR34 Series

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0.0 (000)	36 (360)	110 (111)	470 (471)	1.8K (182)	6.8K (682)	56K (563)
10 (100)	39 (390)	120 (121)	510 (511)	2.0K (202)	8.2K (822)	68K (683)
15 (150)	43 (430)	150 (151)	560 (561)	2.2K (222)	10K (103)	100K (104)
16 (160)	47 (470)	180 (181)	620 (621)	2.7K (272)	15K (153)	270K (274)
18 (180)	51 (510)	200 (201)	680 (681)	3.3K (332)	18K (183)	510K (514)
22 (220)	56 (560)	220 (221)	750 (751)	3.9K (392)	20K (203)	1.0M (105)
24 (240)	68 (680)	270 (271)	820 (821)	4.7K (472)	22K (223)	
27 (270)	82 (820)	300 (301)	1.0K (102)	5.1K (512)	33K (333)	
30 (300)	91 (910)	330 (331)	1.2K (122)	5.6K (562)	39K (393)	
33 (330)	100 (101)	390 (391)	1.5K (152)	6.2K (622)	47K (473)	

Resistance Values (Ω) MNR35 Series

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
56 (560)	330 (331)	680 (681)	2.0K (202)	5.6K (562)	22K (223)
100 (101)	430 (431)	1.0K (102)	2.2K (222)	8.2K (822)	33K (333)
150 (151)	470 (471)	1.2K (122)	2.7K (272)	10K (103)	47K (473)
220 (221)	510 (511)	1.5K (152)	3.3K (332)	18K (183)	68K (683)
300 (301)	560 (561)	1.8K (182)	4.7K (472)	20K (203)	100K (104)

ries	No. of Term.	No. of Res.	Dim. "L" (mm)	Resistor † Power Rating (mW@70°C)	Digi-Key* Part No.	Cut Tape Pricing 10	100	1,000	Digi-Key* Part No.	Tape & Reel Pricing 4,000	5,000	10,000
R02	4	2	1.0	63	MNR02(Code)CT-ND	.32	2.53	21.62	MNR02(Code)TR-ND	—	—	16.00/M
R04	8	4	2.0	63	MNR04(Code)CT-ND	.36	2.85	24.32	MNR04(Code)TR-ND	—	—	18.00/M
R12	4	2	1.6	63	MNR12(Code)CT-ND	.20	1.58	13.51	MNR12(Code)TR-ND	—	12.00/M	10.00/M
R14	8	4	3.2	63	MNR14(Code)CT-ND	.20	1.58	13.51	MNR14(Code)TR-ND	—	12.00/M	10.00/M
R15	10	8	3.2	31	MNR15(Code)CT-ND	1.37	10.75	91.89	MNR15(Code)TR-ND	—	78.00/M	68.00/M
R18	16	8	3.8	63	MNR18(Code)CT-ND	1.01	7.91	67.56	MNR18(Code)TR-ND	—	58.00/M	50.00/M
R32	4	2	2.6	125	MNR32(Code)CT-ND	1.21	9.49	81.08	MNR32(Code)TR-ND	69.00/M	—	—
R34	8	4	5.2	125	MNR34(Code)CT-ND	1.37	10.75	91.89	MNR34(Code)TR-ND	78.00/M	—	—
R35	10	8	6.4	63	MNR35(Code)CT-ND	2.86	22.45	191.88	MNR35(Code)TR-ND	163.00/M	—	—

complete part number, substitute the corresponding code from the Resistance Value Chart for (Code).

† **Note:** Total Rated Package Power equals total number of resistors times rated Power per Resistor.

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G

CTS

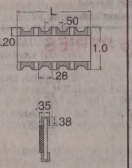
Thick Film Chip Resistor Arrays

Features: • **Thick Film Chip Resistor Arrays High Density Packaging:** 30% less space per resistor than 0603 chip resistors and 75% less space per resistor than 0805 chip resistors • **Placement Efficiency:** Require fewer placements than discrete components, larger overall size eases handling compared to discrete components • **Low Profile:** Suitable for PCMCIA applications • **Solder Coated Nickel Barrier Pads** • **Resistance Tolerance Standard:** ±5% or .5Ω, whichever is greater • **Operating Temperature Range:** -55°C ~ 125°C • **Temperature Coefficient (TCR) Standard:** ±200ppm/°C

Environmental Performance Specifications

Test	Maximum Delta R 741	Maximum Delta R 742-746	Test Description
Thermal Cycle	1.0%	1.0%	5 Cycles -55°C ~ 125°C
Short Time Overload	2.5%	1.0%	2 1/2 x Rated voltage. 5 seconds (or maximum voltage)
Moisture Resistance	5.0%	2.0%	240 hours .1 rated load, +10°C 65°C, 90%RH
High Temperature Exposure	5.0%	1.0%	1000 hours. no load @ 125°C
Load Life	5.0%	2.0%	1000 hours @ 70°C, rated load
Resistance to Solder Heat	2.0%	1.0%	10 seconds @ 260°C solder
Resistance to Leach	—	—	120 seconds @ 260°C solder
Resistance to Solvents	—	—	Isopropyl alcohol, Freon TMC
Solderability	—	—	RMA flux, 230°C, 5 seconds dip, 95% coverage

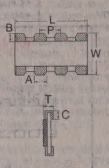
741C SERIES



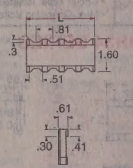
Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0015 • **Circuit Type:** Isolated • **Resistance Range Ω:** 10-1M • **Power per Resistor:** 63mW • **Maximum Operating Voltage:** 25V

741X SERIES



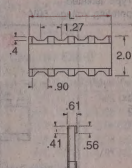
742 SERIES



Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0037 • **Circuit Type:** Isolated • **Resistance Range Ω:** 10-1M • **Power per Resistor:** .063W • **Maximum Operating Voltage:** 50V

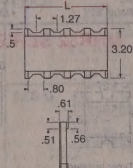
743 SERIES



Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0071 • **Circuit Type:** Isolated • **Resistance Range Ω:** 10-1M • **Power per Resistor:** .100W • **Maximum Operating Voltage:** 100V

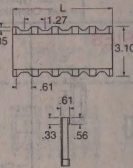
744 SERIES



Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0094 • **Circuit Type:** Isolated • **Resistance Range Ω:** 10-1M • **Power per Resistor:** .125W • **Maximum Operating Voltage:** 200V

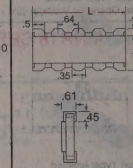
745 SERIES



Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0058 • **Circuit Type:** Bussed • **Resistance Range Ω:** 100-100K • **Power per Resistor:** .063W • **Maximum Operating Voltage:** 50V

746 SERIES

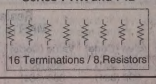


Electrical Specifications:

• **PCB Area (in²) per Resistor:** .0013 • **Circuit Type:** Bussed • **Resistance Range Ω:** 100-100K • **Power per Resistor:** .031W • **Maximum Operating Voltage:** 25V

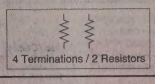
Series	Dimensions - mm W	P	T	A	B	C
741X043	1.0	.65	.35	.33	.20	.38
741X083	1.0	.50	.35	.20	.20	.38
741C083	1.0	.50	.35	.28	.20	.38
741X163	1.6	.50	.45	.30	.30	.30

Series 741X and 742

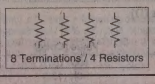


16 Terminations / 8 Resistors

Series 741C, 741X, 742, 743 and 744

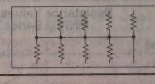


4 Terminations / 2 Resistors



8 Terminations / 4 Resistors

Series 745 and 746



10 Terminations / 8 Resistors

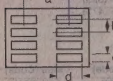
Resistance Values
741C083 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)	Value (Code)
10 (100)	120 (121)	2.7K (272)	51K (513)
12 (120)	150 (151)	3.3K (332)	56K (563)
15 (150)	220 (221)	3.9K (392)	68K (683)
18 (180)	270 (271)	4.7K (472)	100K (104)
22 (220)	330 (331)	5.1K (512)	180K (184)
27 (270)	390 (391)	5.6K (562)	220K (224)
33 (330)	470 (471)	8.2K (822)	270K (274)
39 (390)	510 (511)	10K (103)	330K (334)
47 (470)	560 (561)	15K (153)	470K (474)
51 (510)	680 (681)	18K (183)	510K (514)
56 (560)	1K (102)	22K (223)	1M (105)
68 (680)	1.5K (152)	27K (273)	
82 (820)	1.8K (182)	33K (333)	
100 (101)	2.2K (222)	47K (473)	

Resistance Values
741X043, 741X083, 741X163 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)
10 (100)	56 (560)	4.7K (472)
22 (220)	100 (101)	10K (103)
33 (330)	1K (102)	47K (473)

Land Pattern



Series	Dimensions - mm a	b	c	d
741	1.14	.50	.25	.61
742	1.80	.80	.50	.90
743	1.90	1.27	.80	1.20
744	3.00	1.27	.80	1.30
745	3.00	1.27	.80	1.30
746	1.52	.64	.35	.80

Resistance Values
742C043, 742C163, 743C043, 744C043 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
22 (220)	220 (221)	2.2K (222)	22K (223)	220K (224)
33 (330)	330 (331)	3.3K (332)	33K (333)	330K (334)
47 (470)	470 (471)	4.7K (472)	47K (473)	470K (474)
100 (101)	1K (102)	10K (103)	100K (104)	1MEG (105)

Resistance Values
742C083, 743C083, 744C083 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
10 (100)	68 (680)	470 (471)	3.3K (332)	22K (223)	150K (154)
12 (120)	82 (820)	510 (511)	3.9K (392)	27K (273)	180K (184)
15 (150)	100 (101)	560 (561)	4.7K (472)	33K (333)	220K (224)
18 (180)	110 (111)	680 (681)	5.1K (512)	39K (393)	270K (274)
22 (220)	120 (121)	820 (821)	5.6K (562)	47K (473)	330K (334)
27 (270)	150 (151)	1K (102)	6.8K (682)	51K (513)	390K (394)
33 (330)	180 (181)	1.2K (122)	8.2K (822)	56K (563)	470K (474)
39 (390)	220 (221)	1.5K (152)	10K (103)	68K (683)	510K (514)
47 (470)	270 (271)	1.8K (182)	12K (123)	82K (823)	560K (564)
51 (510)	330 (331)	2.2K (222)	15K (153)	100K (104)	680K (684)
56 (560)	390 (391)	2.7K (272)	18K (183)	120K (124)	820K (824)
					1MEG (105)

Resistance Values
745 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
100 (101)	680 (681)	2.2K (222)	10K (103)	47K (473)	330K (334)
150 (151)	470 (471)	3.3K (332)	15K (153)	68K (683)	470K (474)
220 (221)	1K (102)	4.7K (472)	22K (223)	100K (104)	
330 (331)	1.5K (152)	6.8K (682)	33K (333)	220K (224)	

Resistance Values
746 Series Chip Arrays
All values listed in Ω

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
100 (101)	330 (331)	1.5K (152)	3.3K (332)	15K (153)	47K (473)
150 (151)	470 (471)	2.2K (222)	4.7K (472)	22K (223)	100K (104)
220 (221)	1K (102)	2.7K (272)	10K (103)	33K (333)	

Series	No. of Terminals	No. of Res.	Dimension "L" (mm)	Resistor † Power Rating (mW@70°C)	Digi-Key* Part No.	Cut Tape Pricing .10	100	1,000	Digi-Key* Part No.	Tape & Reel Pricing 4,000	5,000	10,000
741	4	2	1.0	63	741X043(Code)JCT-ND	.42	3.30	28.20	741X043(Code)JTR-ND	—	—	25.00/M
	8	4	2.0		741X083(Code)JCT-ND	.46	3.58	30.55	741X083(Code)JTR-ND	—	—	28.00/M
	8	4	2.0		741C083(Code)JCT-ND	.46	3.58	30.55	741C083(Code)JTR-ND	—	—	28.00/M
	16	8	3.80		741X163(Code)JCT-ND	1.58	12.38	105.75	741X163(Code)JTR-ND	—	108.00/M	95.00/M
742	4	2	1.60	63	742C043(Code)JCT-ND	.56	4.40	37.60	742C043(Code)JTR-ND	—	38.00/M	33.00/M
	8	4	3.20		742C083(Code)JCT-ND	.42	3.31	28.20	742C083(Code)JTR-ND	—	28.00/M	25.00/M
	16	8	6.40		742C163(Code)JCT-ND	1.75	13.75	117.50	742C163(Code)JTR-ND	120.00/M	—	—
743	4	2	2.54	100	743C043(Code)JCT-ND	1.33	10.45	89.30	743C043(Code)JTR-ND	92.00/M	—	—
	8	4	5.08		743C083(Code)JCT-ND	1.61	12.70	108.10	743C083(Code)JTR-ND	110.00/M	—	—
744	4	2	2.54	125	744C043(Code)JCT-ND	1.33	10.45	89.30	744C043(Code)JTR-ND	92.00/M	—	—
	8	4	5.08		744C083(Code)JCT-ND	1.61	12.70	108.10	744C083(Code)JTR-ND	110.00/M	—	—
745	10	8	6.40	63	745C101(Code)JCT-ND	2.10	16.50	141.00	745C101(Code)JTR-ND	144.00/M	—	—
746	10	8	3.30	31	746X101(Code)JCT-ND	1.12	8.80	75.20	746X101(Code)JTR-ND	—	76.00/M	67.00/M

* For complete part number, substitute the corresponding resistance code (listed above) for Code.

† **Note:** Total Rated Package Power equals total number of resistors times rated Power per Resistor.

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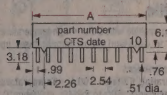
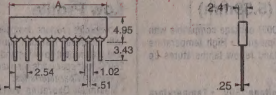
750 SERIES
Single-In-Line



olid ceramic networks are more efficient because they operate t lower temperatures. This translates into long term reliability in a sistor network.

pecifications:
Resistance Tolerance: ±2% • **Temperature Coefficient:** 100PPM/°C typical
eatures:
Low-profile construction • Excellent power dissipation • High liability • Alumina substrate

770 SERIES
Single-In-Line Conformal

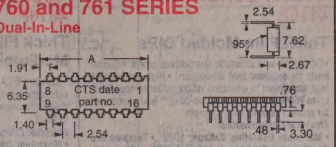


Standard Products 770 series is available in 6, 8, and 10 pin sizes, and in many available resistance values.

Specifications:
• **Resistance Tolerance:** ±2% • **Temperature Coefficient:** ±100PPM/°C typical

Features:
• High reliability resistors • Low-profile construction • .100" lead spacing • Alumina substrate

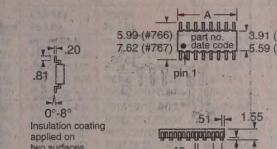
760 and 761 SERIES
Dual-In-Line



Requires 30% less board space than molded networks of the same power rating.

Specifications:
• **Resistance Tolerance:** Standard: ±2% • **Maximum Operating Voltage:** 50V not to exceed rated power • **Temperature Coefficient:** 100Ω through 1MΩ ±100PPM/°C typical, Below 100Ω ±200PPM/°C typical • **Operating Temperature Range:** -55°C ~ 125°C • **Dielectric Strength:** 100V

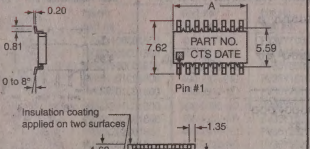
766 and 767 SERIES
Dual-In-Line Surface Mount



hin cover coating generates higher power ratings. Thin proprietary over protection keeps resistors near the surface, allowing the lumina substrate to act as a heat sink. That means higher power atings than molded networks.

pecifications:
Resistance Tolerance: ±2% • **Temperature Coefficient:** 100PPM/°C typical

768 SERIES
Dual-In-Line Surface Mount



Medium body, small outline products. Low profile — board to network clearance of 0.075"/0.005".

Specifications:
• **Resistance Tolerance:** Standard: ±2% or 0.5Ω (whichever is greater) • **Maximum Operating Voltage:** 50V not to exceed rated power • **Temperature Coefficient:** Standard: 100Ω to 1MΩ ±100PPM/°C typical, 10Ω to 99Ω ±200PPM/°C typical • **Operating Temperature Range:** -55°C ~ 125°C • **Dielectric Strength:** 100VAC

Fig. 1 - Bussed

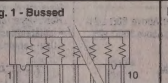


Fig. 2 - Isolated

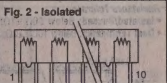


Fig. 3 - Dual Term

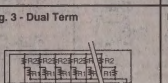


Fig. 4 - Bussed

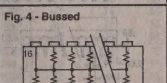
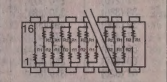


Fig. 5 - Isolated

Fig. 6 - Dual Term



G

AVAILABLE VALUES
(listed in Ω)

Isolated and Bussed Circuits

22	56	180	470	1.2K	3.3K	8.2K	22K	68K	220K	680K
27	68	200	510	1.5K	3.9K	10K	27K	82K	270K	820K
33	82	220	560	1.8K	4.7K	12K	33K	100K	330K	1Meg
39	100	270	680	2K	5.1K	15K	39K	120K	390K	
47	120	330	820	2.2K	5.6K	18K	47K	150K	470K	
51	150	390	1K	2.7K	6.8K	20K	56K	180K	560K	

AVAILABLE VALUES
(listed in Ω)

750 and 770 SERIES
Dual Terminator Circuits

81/130
121/195
162/260
180/390
220/330
330/390

AVAILABLE VALUES
(listed in Ω)

760 and 761 SERIES
Dual Terminator Circuits

180/390
220/270
220/330
330/390
680/1.5K
1.5K/3.3K

AVAILABLE VALUES
(listed in Ω)

766, 767 and 768 SERIES
Dual Terminator Circuits

180/390
220/330
330/390
330/470

ries	Fig.	No. of Pins	No. of Res.	Dim. "A" (mm)	Resistor Power Rating (mW@70°C)	Digi-Key† Part No.	Pricing 1	10	100	1,000
		6	5	14.68	250	750-61-R(Value)-ND	.91	7.95	62.43	454.00
	1	8	7	19.76	250	750-81-R(Value)-ND	1.05	9.17	72.05	524.00
		10	9	24.84	250	750-101-R(Value)-ND	1.25	10.92	85.80	624.00
		6	3	14.68	400	750-63-R(Value)-ND	.91	7.95	62.43	454.00
50	2	8	4	19.76	400	750-83-R(Value)-ND	1.05	9.17	72.05	524.00
		10	5	24.84	400	750-103-R(Value)-ND	1.25	10.92	85.80	624.00
		8	12	19.76	250	750-85-R(Value)-ND	1.41	12.36	97.08	706.00
	3	10	16	24.84	250	750-105-R(Value)-ND	1.70	14.91	117.15	852.00
		6	5	15.19	100	770-61-R(Value)-ND	.21	1.76	13.20	88.00
		6	5	15.19	100	770-61-R(Value)P-ND◆ **NEW!**	.28	2.42	18.98	138.00
	1	8	7	20.27	100	770-81-R(Value)-ND	.28	2.36	17.70	118.00
		8	7	20.27	100	770-81-R(Value)P-ND◆ **NEW!**	.34	2.98	23.38	170.00
		10	9	25.35	100	770-101-R(Value)-ND	.30	2.63	20.63	150.00
		10	9	25.35	100	770-101-R(Value)P-ND◆ **NEW!**	.42	3.68	28.88	210.00
		6	3	15.19	200	770-63-R(Value)-ND	.21	1.76	13.20	88.00
		6	3	15.19	200	770-63-R(Value)P-ND◆ **NEW!**	.28	2.42	18.98	138.00
70	2	8	4	20.27	200	770-83-R(Value)-ND	.28	2.36	17.70	118.00
		8	4	20.27	200	770-83-R(Value)P-ND◆ **NEW!**	.34	2.98	23.38	170.00
		10	5	25.35	200	770-103-R(Value)-ND	.30	2.63	20.63	150.00
		10	5	25.35	200	770-103-R(Value)P-ND◆ **NEW!**	.42	3.68	28.88	210.00
		8	12	20.27	100	770-85-R(Value)-ND	.57	4.84	36.30	242.00
	3	8	12	20.27	100	770-85-R(Value)P-ND◆ **NEW!**	.73	6.41	50.33	366.00
		10	16	25.35	100	770-105-R(Value)-ND	.54	4.76	37.40	272.00
		10	16	25.35	100	770-105-R(Value)P-ND◆ **NEW!**	.96	8.40	66.00	480.00
	4	14	13	19.05	150	760-1-R(Value)-ND	.98	8.13	68.25	422.50
		16	15	21.59	150	761-1-R(Value)-ND	1.00	9.16	83.25	499.50
60/	5	14	7	19.05	300	760-3-R(Value)-ND	.98	8.13	68.25	422.50
61		16	8	21.59	300	761-3-R(Value)-ND	1.00	9.16	83.25	499.50
	6	14	24	19.05	150	760-5-R(Value)-ND	1.35	11.28	94.71	586.30
		16	28	21.59	150	761-5-R(Value)-ND	1.38	12.62	114.75	688.50

Series	Fig.	No. of Pins	No. of Res.	Dim. "A" (mm)	Resistor Power Rating (mW@70°C)	Digi-Key† Part No.	Pricing 1	10	100	1,000
		14	13	8.64	80	766-141-R(Value)-ND	1.46	11.67	81.69	505.70
	4	14	13	8.64	80	766-141-R(Value)P-ND◆ **NEW!**	1.22	9.72	68.04	421.20
		16	15	9.91	80	766-161-R(Value)-ND	1.46	11.67	81.69	505.70
		16	15	9.91	80	766-161-R(Value)P-ND◆ **NEW!**	1.22	9.72	68.04	421.20
		14	7	8.64	160	766-143-R(Value)-ND	1.46	11.67	81.69	505.70
766	5	14	7	8.64	160	766-143-R(Value)P-ND◆ **NEW!**	1.22	9.72	68.04	421.20
		16	8	9.91	160	766-163-R(Value)-ND	1.46	11.67	81.69	505.70
		16	8	9.91	160	766-163-R(Value)P-ND◆ **NEW!**	1.22	9.72	68.04	421.20
		14	24	8.64	80	766-145-R(Value)-ND	1.71	13.68	95.76	592.80
	6	14	24	8.64	80	766-145-R(Value)P-ND◆ **NEW!**	1.43	11.40	79.80	494.00
		16	28	9.91	80	766-165-R(Value)-ND	1.71	13.68	95.76	592.80
		16	28	9.91	80	766-165-R(Value)P-ND◆ **NEW!**	1.43	11.40	79.80	494.00
		14	13	9.91	100	767-141-R(Value)-ND	.79	6.30	44.10	273.00
	4	14	13	9.91	100	767-141-R(Value)P-ND◆ **NEW!**	.66	5.25	36.75	227.50
		16	15	11.18	100	767-161-R(Value)-ND	.79	6.30	44.10	273.00
		16	15	11.18	100	767-161-R(Value)P-ND◆ **NEW!**	.66	5.25	36.75	227.50
		14	7	9.91	200	767-143-R(Value)-ND	.79	6.30	44.10	273.00
767	5	14	7	9.91	200	767-143-R(Value)P-ND◆ **NEW!**	.66	5.25	36.75	227.50
		16	8	11.18	200	767-163-R(Value)-ND	.79	6.30	44.10	273.00
		16	8	11.18	200	767-163-R(Value)P-ND◆ **NEW!**	.66	5.25	36.75	227.50
		14	24	9.91	100	767-145-R(Value)-ND	.85	6.78	47.46	293.80
	6	14	24	9.91	100	767-145-R(Value)P-ND◆ **NEW!**	.71	5.64	39.48	244.40
		16	28	11.18	100	767-165-R(Value)-ND	.85	6.78	47.46	293.80
		16	28	11.18	100	767-165-R(Value)P-ND◆ **NEW!**	.71	5.64	39.48	244.40
		14	13	9.91	100	768-141-R(Value)-ND	.79	6.30	44.10	273.00
	4	16	15	11.18	200	768-161-R(Value)-ND	.79	6.30	44.10	273.00
		14	7	9.91	100	768-143-R(Value)-ND	.79	6.30	44.10	273.00
768	5	16	8	11.18	200	768-163-R(Value)-ND	.79	6.30	44.10	273.00
		14	24	9.91	100	768-145-R(Value)-ND	.85	6.78	47.46	293.80
	6	16	28	11.18	200	768-165-R(Value)-ND	.85	6.78	47.46	293.80

For complete part number, substitute the corresponding value from the above chart (Value); ***Note: Not all values listed are available in RoHS Compliant product.*** ◆ **RoHS Compliant**

4100R Series
4116R

Thick Film Molded DIPs

• Compatible with automatic insertion equipment • Copper leads for excellent heat dissipation • High temperature lead attachment to withstand reflow solder temperatures up to 260°C • Trifurcated Krimp-Joint™ lead attachment for product reliability and strength

Electrical Characteristics:

• **Maximum Operating Voltage:** 100V • **Temperature Coefficient of Resistance:** 50Ω to 2.2MΩ: ±100ppm/°C; below 50Ω: ±250ppm/°C • **Operating Temperature:** -55°C - 125°C

Environmental Characteristics:

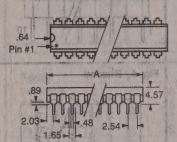
• **Insulation Resistance:** 10,000MΩ minimum • **Dielectric Withstanding Voltage:** 200 VRMS • **Lead Solderability/Solvent Resistance:** Meet requirements of MIL-R-83401

Physical Characteristics:

• **Flammability:** Conforms to UL94V-0 • **Lead Frame Material:** Copper (OLIN 194) 90/10 electroplate • **Body Material:** Novolac Epoxy

Resistance Tolerance:

• **Isolated/Bussed:** Below 50Ω ±1Ω; Above 50Ω ±2%
• **Dual Terminated:** Below 100Ω ±2Ω; Above 100Ω ±2%



4800P Series
4816P

Thick Film Surface Mount Medium Body (5.59mm)

• Standard E.I.A. (SOGN-0002) package compatible with automatic placement equipment. • High temperature lead attachment to withstand reflow temperatures up to 260°C.

Electrical Characteristics:

• **Maximum Operating Voltage:** 50V • **Temperature Coefficient of Resistance:** 50Ω and above: ±100ppm/°C; below 50Ω: ±250ppm/°C • **Operating Temperature:** -55°C - 125°C

Environmental Characteristics:

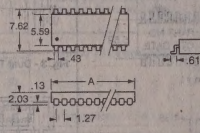
• **Insulation Resistance:** 10,000MΩ minimum • **Dielectric Withstanding Voltage:** 200 VRMS • **Lead Solderability/Solvent Resistance:** Meet requirements of MIL-R-83401

Physical Characteristics:

• **Flammability:** Conforms to UL94V-0 • **Lead Frame Material:** Copper (OLIN 194) 60/40 solder dip • **Body Material:** Novolac Epoxy

Resistance Tolerance:

• **Isolated/Bussed:** Below 50Ω ±1Ω; Above 50Ω ±2%
• **Dual Terminated:** Below 100Ω ±2Ω; Above 100Ω ±2%



4300R Series
4306R, 4308R and 4310R

Thick Film Molded SIPs, Low Profile

• Low profile provides compatibility with DIPs • Compatible with automatic insertion equipment • High temperature lead attachment to withstand reflow temperatures up to 260°C • Copper leads for excellent heat dissipation

Electrical Characteristics:

• **Maximum Operating Voltage:** 100V • **Temperature Coefficient of Resistance:** 50Ω to 2.2MΩ: ±100ppm/°C; below 50Ω: ±250ppm/°C • **Operating Temperature:** -55°C - 125°C • **Power Rating:** Derate to zero power from 70°C - 125°C

Environmental Characteristics:

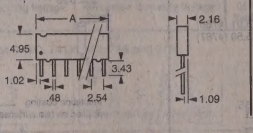
• **Insulation Resistance:** 10,000MΩ minimum • **Dielectric Withstanding Voltage:** 200 VRMS • **Lead Solderability/Solvent Resistance:** Meet requirements of MIL-R-83401

Physical Characteristics:

• **Flammability:** Conforms to UL94V-0 • **Lead Frame Material:** Copper (OLIN 194) 90/10 plated • **Body Material:** Novolac Epoxy

Resistance Tolerance:

• **Isolated/Bussed:** Below 50Ω ±1Ω; Above 50Ω ±2%
• **Dual Terminated:** Below 100Ω ±2Ω; Above 100Ω±2%



4600X Series
4606X, 4608X and 4610X

Thick Film Conformal SIPs, Low Profile

• Low Profile is compatible with DIPs • High temperature lead attachment to withstand reflow temperatures up to 260°C

Electrical Characteristics:

• **Maximum Operating Voltage:** 100V • **Temperature Coefficient of Resistance:** 50Ω to 2.2MΩ: ±100ppm/°C, below 50Ω: ±250/ppm°C • **Operating Temperature:** -55°C - 125°C

Environmental Characteristics:

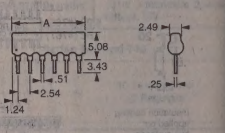
• **Insulation Resistance:** 10,000MΩ minimum • **Dielectric Withstanding Voltage:** 200 VRMS • **Lead Solderability/Solvent Resistance:** Meet requirements of MIL-R-83401

Physical Characteristics:

• **Flammability:** Conforms to UL94V-0 • **Lead Frame Material:** Copper (OLIN 194) 60/40 solder dip • **Body Material:** Epoxy resin/anhydride disphenol A

Resistance Tolerance:

• **Isolated/Bussed:** Below 50Ω ±1Ω; Above 50Ω ±2%
• **Dual Terminated:** Below 100Ω ±2Ω; Above 100Ω ±2%



All values listed in Ω

Resistance Values (001 and 002) Isolated and Bussed Circuits

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
22 (220)	220 (221)	2K (202)	18K (183)	150K (154)
27 (270)	270 (271)	2.2K (222)	20K (203)	180K (184)
33 (330)	330 (331)	2.7K (272)	22K (223)	220K (224)
39 (390)	390 (391)	3.3K (332)	27K (273)	270K (274)
47 (470)	470 (471)	3.9K (392)	33K (333)	330K (334)
56 (560)	560 (561)	4.7K (472)	39K (393)	390K (394)
68 (680)	680 (681)	5.6K (562)	47K (473)	470K (474)
82 (820)	820 (821)	6.8K (682)	56K (563)	560K (564)
100 (101)	1K (102)	8.2K (822)	68K (683)	680K (684)
120 (121)	1.2K (122)	10K (103)	82K (823)	820K (824)
150 (151)	1.5K (152)	12K (123)	100K (104)	1M (105)
180 (181)	1.8K (182)	15K (153)	120K (124)	

Resistance Values (003) Dual Terminator Circuits

Value (Code)
180/390 (181/391)
220/270 (221/271)
220/330 (221/331)
330/390 (331/391)
330/470 (331/471)
3K/6.2K (302/622)

All values listed in Ω

Resistance Values (001 and 002) Isolated and Bussed Circuits

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
22 (220)	220 (221)	2K (202)	18K (183)	150K (154)
27 (270)	270 (271)	2.2K (222)	20K (203)	180K (184)
33 (330)	330 (331)	2.7K (272)	22K (223)	220K (224)
39 (390)	390 (391)	3.3K (332)	27K (273)	270K (274)
47 (470)	470 (471)	3.9K (392)	33K (333)	330K (334)
56 (560)	560 (561)	4.7K (472)	39K (393)	390K (394)
68 (680)	680 (681)	5.6K (562)	47K (473)	470K (474)
82 (820)	820 (821)	6.8K (682)	56K (563)	560K (564)
100 (101)	1K (102)	8.2K (822)	68K (683)	680K (684)
120 (121)	1.2K (122)	10K (103)	82K (823)	820K (824)
150 (151)	1.5K (152)	12K (123)	100K (104)	1M (105)
180 (181)	1.8K (182)	15K (153)	120K (124)	

Resistance Values (004) Dual Terminator Circuits

Value (Code)
160/240 (161/241)
180/390 (181/391)
220/270 (221/271)
220/330 (221/331)
330/390 (331/391)
330/470 (331/471)
3K/6.2K (302/622)

Fig. 1 – Isolated

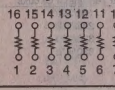


Fig. 2 – Bussed

Fig. 3 – Dual Term

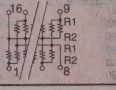


Fig. 4 – Dual Term

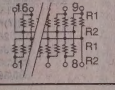


Fig. 5 – Isolated

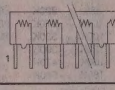


Fig. 6 – Bussed

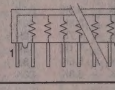
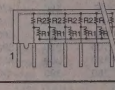


Fig. 7 – Dual Term



Series	Fig.	No. of Pins	No. of Res.	Dim. "A" (mm)	Element Power Rating (W @ 70°C)	Digi-Key‡ Part No.	Pricing 1	10	50	100	500	1,000
4100	1	16	8	21.97	.25	4116R-1-(Code)-ND◆	.60	5.27	22.10	37.78	157.41	264.00
	2	16	15	21.97	.125	4116R-2-(Code)-ND◆	.60	5.27	22.10	37.78	157.41	264.00
	3	16	28	21.97	.125	4116R-3-(Code)/(Code)-ND★	1.27	11.28	47.32	80.89	337.04	566.00
4300	6	6	5	14.83	.20	4306R-1-(Code)-ND◆	.47	4.19	17.55	30.00	125.00	210.00
	5	6	3	14.83	.30	4306R-2-(Code)-ND◆	.47	4.19	17.55	30.00	125.00	210.00
	7	6	8	14.83	.20	4306R-4-(Code)/(Code)-ND★	.67	5.89	24.70	42.22	175.93	296.00
	6	8	7	19.91	.20	4308R-1-(Code)-ND◆	.54	4.81	20.15	34.44	143.52	241.00
	5	8	4	19.91	.30	4308R-2-(Code)-ND◆	.54	4.81	20.15	34.44	143.52	241.00
	7	8	12	19.91	.20	4308R-4-(Code)/(Code)-ND★	.74	6.51	27.30	46.67	194.44	327.00
	6	10	9	24.99	.20	4310R-1-(Code)-ND◆	.65	5.74	24.05	41.11	171.30	288.00
	5	10	5	24.99	.30	4310R-2-(Code)-ND◆	.65	5.74	24.05	41.11	171.30	288.00
	7	10	16	24.99	.20	4310R-4-(Code)/(Code)-ND★	.88	7.75	32.50	55.56	231.48	389.00
4600	6	6	5	15.19	.20	4606X-1-(Code)-ND◆	.25	2.23	9.36	16.00	66.67	112.00
	5	6	3	15.19	.30	4606X-2-(Code)-ND◆	.25	2.23	9.36	16.00	66.67	112.00
	7	6	8	15.19	.20	4606X-4-(Code)/(Code)-ND★	.53	4.65	19.50	33.33	138.89	233.00
	6	8	7	20.27	.20	4608X-1-(Code)-ND◆	.32	2.79	11.70	20.00	83.33	140.00
	5	8	4	20.27	.30	4608X-2-(Code)-ND◆	.32	2.79	11.70	20.00	83.33	140.00
	7	8	12	20.27	.20	4608X-4-(Code)/(Code)-ND★	.63	5.58	23.40	40.00	166.67	280.00
	6	10	9	25.35	.20	4610X-1-(Code)-ND◆	.39	3.41	14.30	24.44	101.85	171.00
	5	10	5	25.35	.30	4610X-2-(Code)-ND◆	.39	3.41	14.30	24.44	101.85	171.00
	7	10	16	25.35	.20	4610X-4-(Code)/(Code)-ND★	.70	6.20	26.00	44.44	185.19	311.00
4800	1	16	8	12.45	.160	4816P-1-(Code)-ND◆	1.12	9.92	41.60	71.00	300.00	500.00
	2	16	15	12.45	.080	4816P-2-(Code)-ND◆	1.12	9.92	41.60	71.00	300.00	500.00
	4	16	28	12.45	.080	4816P-3-(Code)/(Code)-ND★	1.75	15.50	65.00	110.94	468.75	781.00

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ★ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to L-ND
‡ For complete part number, substitute the corresponding resistance code (listed above) for Value ***Not all values listed are available as RoHS Compliant***

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

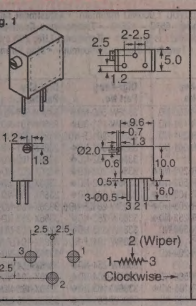
Sealed Multi-Turn Trimmer Potentiometers

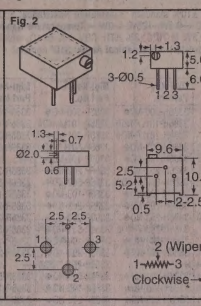
V36 Series

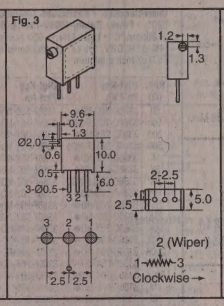
Features: • 25-turns, cermet, square, 9.5mm package • Compatible with ultrasonic cleaning • Clutch mechanism prevents excessive wiper rotation • ***RoHS Compliant***

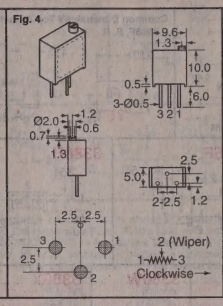
Specifications: • Power Rating: 0.5W (70°C) • Soldering Method: Flow/Soldering Iron • Number of Turns: 25

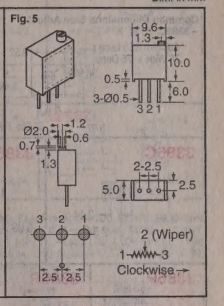
Dim. in mm











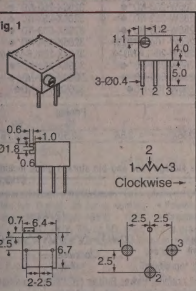
	Side Adjust						Top Adjust					
	Fig. 1		Fig. 2		Fig. 3		Fig. 4		Fig. 5			
ohms	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Price Each 1	10	100
0	490-2929-ND	PV36Z100C01B00	490-2853-ND	PV36P100C01B00	490-2891-ND	PV36X100C01B00	490-2910-ND	PV36Y100C01B00	490-2872-ND	PV36W100C01B00	.85	.78	.55
20	490-2935-ND	PV36Z200C01B00	490-2859-ND	PV36P200C01B00	490-2897-ND	PV36X200C01B00	490-2916-ND	PV36Y200C01B00	490-2878-ND	PV36W200C01B00	.85	.78	.55
50	490-2943-ND	PV36Z500C01B00	490-2867-ND	PV36P500C01B00	490-2905-ND	PV36X500C01B00	490-2924-ND	PV36Y500C01B00	490-2886-ND	PV36W500C01B00	.85	.78	.55
00	490-2930-ND	PV36Z101C01B00	490-2854-ND	PV36P101C01B00	490-2892-ND	PV36X101C01B00	490-2911-ND	PV36Y101C01B00	490-2873-ND	PV36W101C01B00	.85	.78	.55
00	490-2936-ND	PV36Z201C01B00	490-2860-ND	PV36P201C01B00	490-2898-ND	PV36X201C01B00	490-2917-ND	PV36Y201C01B00	490-2879-ND	PV36W201C01B00	.85	.78	.55
00	490-2944-ND	PV36Z501C01B00	490-2868-ND	PV36P501C01B00	490-2906-ND	PV36X501C01B00	490-2925-ND	PV36Y501C01B00	490-2887-ND	PV36W501C01B00	.85	.78	.55
K	490-2931-ND	PV36Z102C01B00	490-2855-ND	PV36P102C01B00	490-2893-ND	PV36X102C01B00	490-2912-ND	PV36Y102C01B00	490-2874-ND	PV36W102C01B00	.85	.78	.55
2K	490-2937-ND	PV36Z202C01B00	490-2861-ND	PV36P202C01B00	490-2899-ND	PV36X202C01B00	490-2918-ND	PV36Y202C01B00	490-2880-ND	PV36W202C01B00	.85	.78	.55
5K	490-2945-ND	PV36Z502C01B00	490-2869-ND	PV36P502C01B00	490-2907-ND	PV36X502C01B00	490-2926-ND	PV36Y502C01B00	490-2888-ND	PV36W502C01B00	.85	.78	.55
0K	490-2932-ND	PV36Z103C01B00	490-2856-ND	PV36P103C01B00	490-2894-ND	PV36X103C01B00	490-2913-ND	PV36Y103C01B00	490-2875-ND	PV36W103C01B00	.85	.78	.55
0K	490-2938-ND	PV36Z203C01B00	490-2862-ND	PV36P203C01B00	490-2900-ND	PV36X203C01B00	490-2919-ND	PV36Y203C01B00	490-2881-ND	PV36W203C01B00	.85	.78	.55
5K	490-2941-ND	PV36Z253C01B00	490-2865-ND	PV36P253C01B00	490-2903-ND	PV36X253C01B00	490-2922-ND	PV36Y253C01B00	490-2884-ND	PV36W253C01B00	.85	.78	.55
0K	490-2946-ND	PV36Z503C01B00	490-2870-ND	PV36P503C01B00	490-2908-ND	PV36X503C01B00	490-2927-ND	PV36Y503C01B00	490-2889-ND	PV36W503C01B00	.85	.78	.55
0K	490-2933-ND	PV36Z104C01B00	490-2857-ND	PV36P104C01B00	490-2895-ND	PV36X104C01B00	490-2914-ND	PV36Y104C01B00	490-2876-ND	PV36W104C01B00	.85	.78	.55
0K	490-2939-ND	PV36Z204C01B00	490-2863-ND	PV36P204C01B00	490-2901-ND	PV36X204C01B00	490-2920-ND	PV36Y204C01B00	490-2882-ND	PV36W204C01B00	.85	.78	.55
0K	490-2942-ND	PV36Z254C01B00	490-2866-ND	PV36P254C01B00	490-2904-ND	PV36X254C01B00	490-2923-ND	PV36Y254C01B00	490-2885-ND	PV36W254C01B00	.85	.78	.55
0K	490-2947-ND	PV36Z504C01B00	490-2871-ND	PV36P504C01B00	490-2909-ND	PV36X504C01B00	490-2928-ND	PV36Y504C01B00	490-2890-ND	PV36W504C01B00	.85	.78	.55
M	—	—	490-2858-ND	PV36P105C01B00	490-2896-ND	PV36X105C01B00	490-2915-ND	PV36Y105C01B00	490-2877-ND	PV36W105C01B00	.85	.78	.55
2M	490-2940-ND	PV36Z205C01B00	490-2864-ND	PV36P205C01B00	490-2902-ND	PV36X205C01B00	490-2921-ND	PV36Y205C01B00	490-2883-ND	PV36W205C01B00	.85	.78	.55

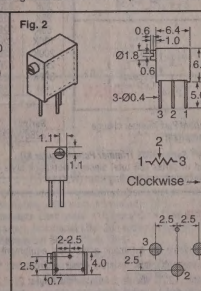
V37 Series

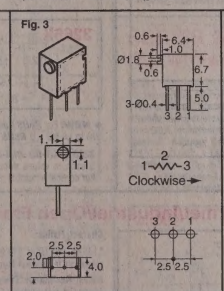
Features: • High Resolution, 12-turns cermet • Small size • Compatible with ultrasonic cleaning • Clutch mechanism prevents excessive wiper rotation • ***RoHS Compliant***

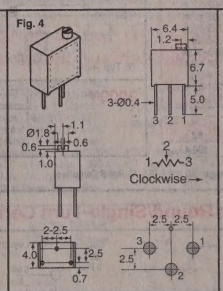
Specifications: • Power Rating: 0.25 (85°C) • Soldering Method: Flow/Soldering Iron • Number of Turns: 12

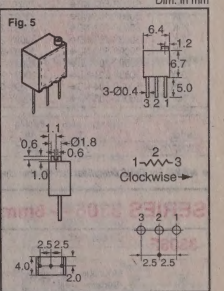
Dim. in mm











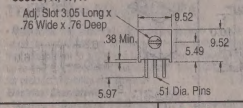
	Side Adjust						Top Adjust					
	Fig. 1		Fig. 2		Fig. 3		Fig. 4		Fig. 5			
ohms	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Digi-Key Part No.	Murata Part No.	Price Each 1	10	100
10	490-2948-ND	PV37P100C01B00	490-2986-ND	PV37X100C01B00	490-3024-ND	PV37Z100C01B00	490-2967-ND	PV37W100C01B00	490-3005-ND	PV37Y100C01B00	1.61	1.46	1.03
20	490-2954-ND	PV37P200C01B00	490-2992-ND	PV37X200C01B00	490-3030-ND	PV37Z200C01B00	490-2973-ND	PV37W200C01B00	490-3011-ND	PV37Y200C01B00	1.61	1.46	1.03
50	490-2962-ND	PV37P500C01B00	490-3000-ND	PV37X500C01B00	490-3038-ND	PV37Z500C01B00	490-2981-ND	PV37W500C01B00	490-3019-ND	PV37Y500C01B00	1.61	1.46	1.03
00	490-2949-ND	PV37P101C01B00	490-2987-ND	PV37X101C01B00	490-3025-ND	PV37Z101C01B00	490-2968-ND	PV37W101C01B00	490-3006-ND	PV37Y101C01B00	1.61	1.46	1.03
00	490-2955-ND	PV37P201C01B00	490-2993-ND	PV37X201C01B00	490-3031-ND	PV37Z201C01B00	490-2974-ND	PV37W201C01B00	490-3012-ND	PV37Y201C01B00	1.61	1.46	1.03
500	490-2963-ND	PV37P501C01B00	490-3001-ND	PV37X501C01B00	490-3039-ND	PV37Z501C01B00	490-2982-ND	PV37W501C01B00	490-3020-ND	PV37Y501C01B00	1.61	1.46	1.03
1K	490-2950-ND	PV37P102C01B00	490-2988-ND	PV37X102C01B00	490-3026-ND	PV37Z102C01B00	490-2969-ND	PV37W102C01B00	490-3007-ND	PV37Y102C01B00	1.61	1.46	1.03
2K	490-2956-ND	PV37P202C01B00	490-2994-ND	PV37X202C01B00	490-3032-ND	PV37Z202C01B00	490-2975-ND	PV37W202C01B00	490-3013-ND	PV37Y202C01B00	1.61	1.46	1.03
5K	490-2964-ND	PV37P502C01B00	490-3002-ND	PV37X502C01B00	490-3040-ND	PV37Z502C01B00	490-2983-ND	PV37W502C01B00	490-3021-ND	PV37Y502C01B00	1.61	1.46	1.03
10K	490-2951-ND	PV37P103C01B00	490-2989-ND	PV37X103C01B00	490-3027-ND	PV37Z103C01B00	490-2970-ND	PV37W103C01B00	490-3008-ND	PV37Y103C01B00	1.61	1.46	1.03
20K	490-2957-ND	PV37P203C01B00	490-2995-ND	PV37X203C01B00	490-3033-ND	PV37Z203C01B00	490-2976-ND	PV37W203C01B00	490-3014-ND	PV37Y203C01B00	1.61	1.46	1.03
25K	490-2960-ND	PV37P253C01B00	490-2998-ND	PV37X253C01B00	490-3036-ND	PV37Z253C01B00	490-2979-ND	PV37W253C01B00	490-3017-ND	PV37Y253C01B00	1.61	1.46	1.03
50K	490-2965-ND	PV37P503C01B00	490-3003-ND	PV37X503C01B00	490-3041-ND	PV37Z503C01B00	490-2984-ND	PV37W503C01B00	490-3022-ND	PV37Y503C01B00	1.61	1.46	1.03
100K	490-2952-ND	PV37P104C01B00	490-2990-ND	PV37X104C01B00	490-3028-ND	PV37Z104C01B00	490-2971-ND	PV37W104C01B00	490-3009-ND	PV37Y104C01B00	1.61	1.46	1.03
200K	490-2958-ND	PV37P204C01B00	490-2996-ND	PV37X204C01B00	490-3034-ND	PV37Z204C01B00	490-2977-ND	PV37W204C01B00	490-3015-ND	PV37Y204C01B00	1.61	1.46	1.03
250K	490-2961-ND	PV37P254C01B00	490-2999-ND	PV37X254C01B00	490-3037-ND	PV37Z254C01B00	490-2980-ND	PV37W254C01B00	490-3018-ND	PV37Y254C01B00	1.61	1.46	1.03
500K	490-2966-ND	PV37P504C01B00	490-3004-ND	PV37X504C01B00	490-3042-ND	PV37Z504C01B00	490-2985-ND	PV37W504C01B00	490-3023-ND	PV37Y504C01B00	1.61	1.46	1.03
1M	490-2953-ND	PV37P105C01B00	490-2991-ND	PV37X105C01B00	490-3029-ND	PV37Z105C01B00	490-2972-ND	PV37W105C01B00	490-3010-ND	PV37Y105C01B00	1.61	1.46	1.03
2M	490-2959-ND	PV37P205C01B00	490-2997-ND	PV37X205C01B00	490-3035-ND	PV37Z205C01B00	490-2978-ND	PV37W205C01B00	490-3016-ND	PV37Y205C01B00	1.61	1.46	1.03

Trimmer Potentiometers

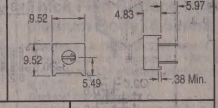
SERIES 3386 — 3/8" (9.52mm) Square/Single-Turn Cermet/Industrial/Sealed

Dim. in mm

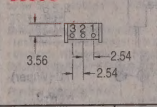
Common Dimensions Side Adjust – 3386C, H, W, X



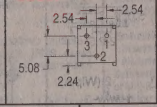
Common Dimensions Top Adjust – 3386F, P, R



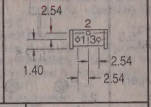
3386C



3386F



3386H



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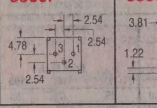

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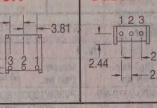
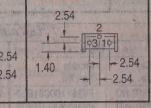


3386W



3386X

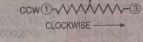
Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Angle:** 280° • **Power Rating (300V max.):** 85°C = 0.5W; 125°C = 0W • **Temperature Range:** -55°C – 125°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.5W @ 70°C (3% ΔTR; CRV, 1% or 1Ω, whichever is greater) • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 1% or 1Ω, whichever is greater) • **Mechanical Angle:** 310° nominal • **Torque:** 5.0 oz-inch maximum • **Stop Strength:** 15.0 oz-inch minimum

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
50	3386C-500-ND◆	3386F-500-ND◆	3386H-500-ND◆	3386P-500-ND◆	3386R-500-ND	3386W-500-ND◆	3386X-500-ND◆
100	3386C-101LF-ND◊	3386F-101-ND◆	3386H-101LF-ND◊	3386P-101LF-ND◊	3386R-101-ND	3386W-101-ND◆	3386X-101-ND◆
200	3386C-201-ND◆	3386F-201-ND◆	3386H-201LF-ND◊	3386P-201-ND◆	3386R-201-ND	3386W-201LF-ND◊	3386X-201-ND
500	3386C-501LF-ND◊	3386F-501-ND◆	3386H-501-ND◆	3386P-501LF-ND◊	3386R-501-ND	3386W-501-ND◆	3386X-501-ND◆
1K	3386C-102-ND◆	3386F-102-ND◆	3386H-102-ND◆	3386P-102-ND◆	—	3386W-102-ND◆	3386X-102-ND◆
2K	3386C-202-ND◆	3386F-202-ND◆	3386H-202-ND◆	3386P-202-ND◆	3386R-202-ND◆	3386W-202-ND◆	3386X-202-ND◆
5K	3386C-502LF-ND◊	3386F-502-ND◆	3386H-502LF-ND◊	3386P-502-ND◆	3386R-502-ND◆	3386W-502-ND◆	3386X-502-ND◆
10K	3386C-103-ND◆	3386F-103-ND◆	3386H-103-ND◆	3386P-103-ND◆	3386R-103-ND◆	3386W-103-ND◆	3386X-103-ND◆
20K	3386C-203-ND◆	3386F-203-ND◆	3386H-203-ND◆	3386P-203-ND◆	3386R-203-ND◆	3386W-203LF-ND◊	3386X-203-ND◆
25K	3386C-253-ND◆	3386F-253LF-ND◊	3386H-253-ND◆	3386P-253-ND◆	3386R-253-ND◆	3386W-253-ND◆	3386X-253-ND◆
50K	3386C-503-ND◆	3386F-503-ND◆	3386H-503LF-ND◊	3386P-503-ND◆	3386R-503-ND	3386W-503-ND◆	3386X-503-ND◆
100K	3386C-104-ND◆	3386F-104-ND◆	3386H-104-ND◆	3386P-104-ND◆	3386R-104-ND	3386W-104LF-ND◊	3386X-104LF-ND◊
200K	3386C-204-ND◆	3386F-204-ND◆	3386H-204-ND◆	3386P-204-ND◆	3386R-204-ND	—	3386X-204-ND◆
250K	3386C-254-ND	3386F-254-ND	—	3386P-254LF-ND◊	—	3386W-254-ND◆	3386X-254-ND
500K	3386C-504-ND◆	3386F-504-ND◆	3386H-504-ND◆	3386P-504-ND◆	3386R-504-ND◆	3386W-504-ND◆	3386X-504-ND◆
1M	3386C-105-ND◆	3386F-105-ND◆	3386H-105-ND◆	3386P-105-ND◆	3386R-105-ND◆	3386W-105-ND◆	3386X-105-ND◆
2M	3386C-205-ND◆	3386F-205LF-ND◊	3386H-205-ND◆	3386P-205-ND◆	3386R-205-ND◆	3386W-205-ND◆	3386X-205-ND◆

Series	Pricing 1	10	50
3386C/3386R	1.43	13.00	55.90
3386F/3386H/3386P/3386W/3386X	1.29	11.75	50.53

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

SERIES 3009 — 3/4" (19.05mm) Rectangular/ Multiturn (15) Cermet/ Industrial/ Sealed



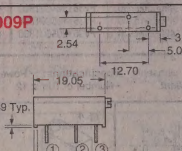
Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Travel:** 15 turns nominal • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.75W @ 70°C (4% ΔTR) • **Rotational Life:** 200 cycles (3% ΔTR; CRV, 1% or 1Ω, whichever is greater) • **Torque:** 5.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
100	3009P-101LF-ND◊	3009Y-101-ND
200	3009P-201-ND◆	3009Y-201-ND
500	3009P-501-ND◆	3009Y-501-ND◆
1K	3009P-102-ND◆	3009Y-102-ND◆
2K	3009P-202-ND◆	3009Y-202-ND◆
5K	3009P-502-ND◆	3009Y-502-ND◆
10K	3009P-103-ND◆	3009Y-103-ND◆
20K	3009P-203-ND◆	3009Y-203-ND◆
25K	3009P-253-ND◆	3009Y-253-ND
50K	3009P-503-ND◆	3009Y-503-ND◆
100K	3009P-104-ND◆	3009Y-104-ND◆
200K	3009P-204-ND◆	3009Y-204-ND
500K	3009P-504-ND◆	3009Y-504-ND◆
1M	3009P-105-ND◆	3009Y-105-ND

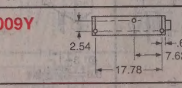
Series	Pricing 1	10	50
3009P/3009Y	2.72	24.75	106.43

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

3009P



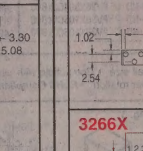
3009Y



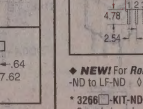
SERIES 3266 — 1/4" (6.35mm) Square/ Multiturn (12) Cermet/Industrial/Sealed

• **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Effective Travel:** 12 turns nominal • **Power Rating (300 volts maximum):** 70°C – 0.25 watt; 150°C – 0 watt • **Temperature Range:** -55°C – 125°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.25 watt @ 70°C (3% ΔTR; CRV, 3%) • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Torque:** 3.0 oz-in. maximum • **Mechanical Stops:** Wiper idles

3266W



3266X



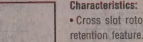
Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
10	3266W-100LF-ND◊	3266X-100-ND◆
20	3266W-200-ND◆	3266X-200LF-ND◊
50	3266W-500LF-ND◊	3266X-500-ND◆
100	3266W-101-ND◆	3266X-101-ND◆
200	3266W-201-ND◆	3266X-201-ND◆
500	3266W-501-ND◆	3266X-501-ND◆
1K	3266W-102-ND◆	3266X-102LF-ND◊
2K	3266W-202-ND◆	3266X-202-ND◆
5K	3266W-502LF-ND◊	3266X-502-ND◆
10K	3266W-103-ND◆	3266X-103-ND◆
20K	3266W-203-ND◆	3266X-203-ND◆
25K	3266W-253-ND◆	3266X-253-ND◆
50K	3266W-503-ND◆	3266X-503-ND◆
100K	3266W-104LF-ND◊	3266X-104-ND◆
200K	3266W-204LF-ND◊	3266X-204LF-ND◊
250K	3266W-254-ND◆	3266X-254-ND◆
500K	3266W-504-ND◆	3266X-504-ND◆
1M	3266W-105-ND◆	3266X-105-ND◆

Series	Pricing 1	10	50
3266W/3266X	3.58	32.50	139.75

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

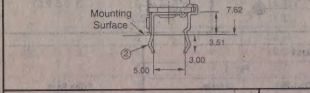
* **3266☐-KIT-ND** ***Digi-Key® Series 3266 Trimmer Potentiometer Kit*** 5 each in values denoted in series (65 total pieces). Notebook style storage case and bin storage guide included. For complete number, substitute corresponding letter (W,X) for ☐ **$199.00**

SERIES 3306 — 6mm Round/Single-Turn Cermet/Industrial/Open Frame

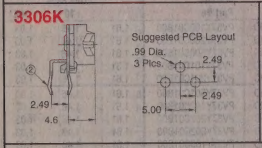


Characteristics: • Cross slot rotor design suitable for automatic adjustment equipment. • Board retention feature. • Dust resistant/splash resistant cover. • Front and top adjust styles. **Resistance Tolerance:** ±25% standard **Adjustment Angle:** 215° nominal **Power Rating** (100 volts maximum) 70°C — 0.2 watt **Temperature Range:** -25°C – 100°C **Temperature Coefficient:** ±250ppm/°C **Load Life:** 1,000 hours 0.2 watt @ 70°C (5% ΔTR) **Torque** (Operating): 4.5 oz-inch maximum **Stop Strength:** 6.5 oz-inch minimum

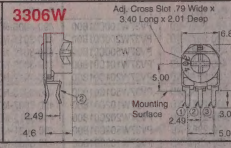
3306F



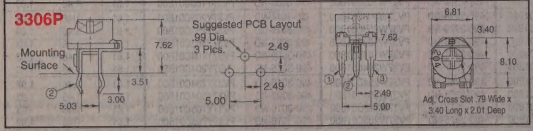
3306K



3306W



3306P



Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
100	3306F-101-ND	3306K-101-ND	3306P-101-ND	3306W-101-ND	
200	3306F-201-ND	3306K-201-ND	3306P-201-ND	3306W-201-ND	
500	3306F-501-ND	3306K-501-ND	3306P-501-ND	3306W-501-ND	
1K	3306F-102-ND	3306K-102-ND	3306P-102-ND	3306W-102-ND	
2K	3306F-202-ND	3306K-202-ND	3306P-202-ND	3306W-202-ND	
5K	3306F-502-ND	3306K-502-ND	3306P-502-ND	3306W-502-ND	
10K	3306F-103-ND	3306K-103-ND	3306P-103-ND	3306W-103-ND	
20K	3306F-203-ND	3306K-203-ND	3306P-203-ND	3306W-203-ND	
50K	3306F-503-ND	3306K-503-ND	3306P-503-ND	3306W-503-ND	
100K	3306F-104-ND	3306K-104-ND	3306P-104-ND	3306W-104-ND	
200K	3306F-204-ND	3306K-204-ND	3306P-204-ND	3306W-204-ND	
500K	3306F-504-ND	3306K-504-ND	3306P-504-ND	3306W-504-ND	
1M	3306F-105-ND	3306K-105-ND	3306P-105-ND	3306W-105-ND	

Series	Pricing 1	10	100
3306F / 3306K / 3306P / 3306W	.71	5.30	49.50

More Product Available Online: www.digikey.com
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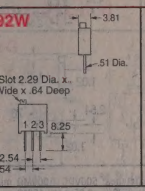
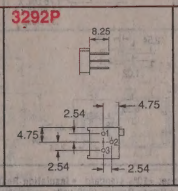
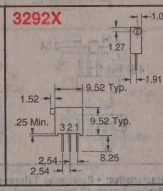
Trimmer Potentiometers

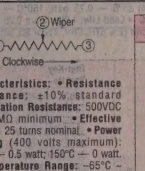
RIES 3292 — 3/8" (9.52mm) Square/Multiturn (25) met/Industrial/Sealed

Dim. in mm









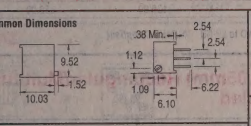
cteristics: • **Resistance ance:** ±10% standard **ation Resistance:** 500VDC 1Ω minimum. • **Effective** 25 turns nominal. • **Power** (300 volts maximum): – 0.5 watt; 150°C — 0 watt. **perature Range:** –65°C ~ • **Temperature Coefficient:** ppm/°C. • **Lead Life:** 1,000 0.5 watt @ 85°C (2% ΔTR; 3% or 3Ω, whichever is r). • **Rotational Life:** 200 (2% ΔTR; CRV, 3% or 3Ω, ver is greater). • **Torque:** 5.0 n maximum. • **Mechanical** Wiper idles.

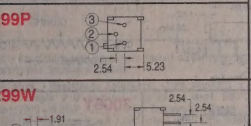
Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
100	3292P-101-ND	3292W-101-ND◆	3292X-101-ND	
200	3292P-201-ND	3292W-201-ND◆	3292X-201-ND◆	
500	3292P-501-ND	3292W-501-ND◆	3292X-501-ND◆	
1K	3292P-102-ND	3292W-102-ND◆	3292X-102-ND◆	
2K	—	3292W-202-ND◆	3292X-202-ND◆	
5K	3292P-502-ND	3292W-502-ND◆	3292X-502-ND◆	
10K	3292P-103-ND◆	3292W-103-ND◆	3292X-103-ND◆	
20K	3292P-203-ND	3292W-203-ND◆	3292X-203-ND◆	
50K	3292P-503-ND	3292W-503-ND◆	3292X-503-ND◆	
100K	3292P-104-ND	3292W-104-ND◆	3292X-104-ND	
200K	3292P-204-ND◆	3292W-204-ND◆	3292X-204-ND	
500K	3292P-504-ND	3292W-504-ND◆	3292X-504-ND	
1M	3292P-105-ND	3292W-105-ND◆	3292X-105-ND	

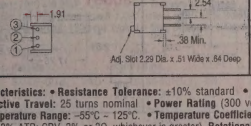
Series	Pricing 1	10	50
3292P/3292W/3292X	15.51	141.00	606.30

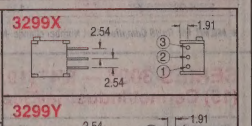
◆ ***NEW!*** For *RoHS Compliant* Part Number change -ND to LF-ND

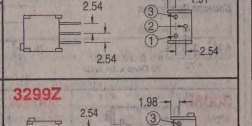
RIES 3299 — 3/8" (9.52mm) Square/ ltiturn (25) Cermet/Industrial/Sealed

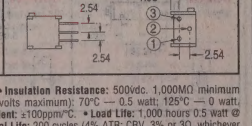












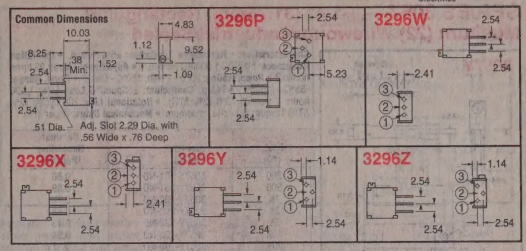
cteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500vdc, 1,000MΩ minimum **ctive Travel:** 25 turns nominal • **Power Rating** (300 volts maximum): 70°C — 0.5 watt; 125°C — 0 watt. **perature Range:** –55°C ~ 125°C. • **Temperature Coefficient:** ±100ppm/°C. • **Load Life:** 1,000 hours 0.5 watt @ 3% ΔTR; CRV, 3% or 3Ω, whichever is greater). **Rotational Life:** 200 cycles (4% ΔTR; CRV, 3% or 3Ω, whichever ter). • **Torque:** 3.0 oz-inch maximum • **Mechanical Stops:** Wiper idles.

ies. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	3299P-100-ND◆	3299W-100-ND◆	3299X-100LF-ND◊	3299Y-100-ND◆	3299Z-100-ND◆
20	3299P-200-ND◆	3299W-200-ND◆	3299X-200-ND◆	3299Y-200-ND◆	3299Z-200-ND
50	3299P-500-ND	3299W-500-ND◆	3299X-500-ND	3299Y-500-ND◆	3299Z-500-ND
100	3299P-101-ND◆	3299W-101-ND◆	3299X-101-ND◆	3299Y-101-ND◆	3299Z-101-ND◆
200	3299P-201-ND◆	3299W-201-ND◆	3299X-201-ND◆	3299Y-201-ND◆	3299Z-201-ND
500	3299P-501-ND◆	3299W-501-ND◆	3299X-501-ND◆	3299Y-501-ND◆	3299Z-501-ND◆
1K	3299P-102-ND◆	3299W-102-ND◆	3299X-102-ND◆	3299Y-102-ND◆	3299Z-102-ND◆
2K	3299P-202-ND◆	3299W-202-ND◆	3299X-202-ND◆	3299Y-202-ND◆	3299Z-202-ND◆
5K	3299P-502-ND◆	3299W-502-ND◆	3299X-502-ND◆	3299Y-502-ND◆	3299Z-502LF-ND◊
10K	3299P-103-ND◆	3299W-103-ND◆	3299X-103-ND◆	3299Y-103-ND◆	3299Z-103-ND◆
20K	3299P-203-ND◆	3299W-203LF-ND◊	3299X-203-ND◆	3299Y-203-ND◆	3299Z-203-ND◆
25K	3299P-253-ND◆	3299W-253-ND◆	—	3299Y-253-ND◆	—
50K	3299P-503-ND◆	3299W-503-ND◆	3299X-503-ND◆	3299Y-503-ND◆	3299Z-503-ND◆
100K	3299P-104-ND◆	3299W-104-ND◆	3299X-104-ND◆	3299Y-104-ND◆	3299Z-104-ND◆
200K	3299P-204-ND◆	3299W-204-ND◆	3299X-204-ND◆	3299Y-204-ND◆	3299Z-204-ND◆
250K	3299P-254-ND	3299W-254-ND◆	3299X-254-ND◆	3299Y-254-ND◆	3299Z-254-ND
500K	3299P-504-ND◆	3299W-504-ND◆	3299X-504-ND◆	3299Y-504-ND◆	3299Z-504-ND
1M	3299P-105-ND◆	3299W-105-ND◆	3299X-105-ND◆	3299Y-105-ND◆	3299Z-105-ND◆
2M	3299P-205-ND	3299W-205LF-ND◊	3299X-205-ND◆	3299Y-205-ND◆	3299Z-205-ND◆
5M	3299P-505-ND◆	3299W-505-ND◆	3299X-505-ND◆	3299Y-505-ND◆	3299Z-505-ND

Series	Pricing 1	10	50
3299P/3299Z	3.14	28.50	122.55
3299W/3299X/3299Y	2.92	26.50	113.95

EW! For *RoHS Compliant* Part Number change -ND to LF-ND ◊ *RoHS Compliant*

SERIES 3296 — 3/8" (9.52mm) Square/ Multiturn (25) Cermet/Industrial/Sealed



Characteristics • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Effective Travel:** 25 turns nominal • **Power Rating** (300 volts maximum): 70°C — 0.5 watt; 125°C — 0 watt. • **Temperature Range:** –55°C ~ 125°C. • **Temperature Coefficient:** ±100 ppm/°C. • **Load Life:** 1,000 hours 0.5 watt @ 70°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater). • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 3% or 3Ω, whichever is greater). • **Torque:** 3.0 oz-inch maximum • **Mechanical Stops:** Wiper Idles.

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	3296P-100LF-ND*◊	3296W-100LF-ND*◊	3296X-100-ND*◆	3296Y-100-ND◆	—
20	3296P-200-ND◆	3296W-200LF-ND◊	3296X-200LF-ND◊	3296Y-200-ND◆	3296Z-200-ND◆
50	3296P-500-ND*◆	3296W-500LF-ND*◊	3296X-500-ND*◆	3296Y-500-ND◆	3296Z-500-ND◆
100	3296P-101-ND*◆	3296W-101LF-ND*◊	3296X-101LF-ND*◊	3296Y-101-ND◆	3296Z-101-ND◆
200	3296P-201-ND◆	3296W-201-ND◆	3296X-201-ND◆	3296Y-201-ND◆	3296Z-201-ND◆
500	3296P-501-ND*◆	3296W-501LF-ND*◊	3296X-501-ND*◆	3296Y-501-ND◆	3296Z-501-ND◆
1K	3296P-102-ND*◆	3296W-102-ND*◆	3296X-102-ND*◆	3296Y-102-ND◆	3296Z-102-ND◆
2K	3296P-202-ND*◆	3296W-202-ND*◆	3296X-202-ND*◆	3296Y-202LF-ND◊	3296Z-202LF-ND◊
5K	3296P-502LF-ND*◊	3296W-502-ND*◆	3296X-502-ND*◆	3296Y-502-ND◆	3296Z-502-ND◆
10K	3296P-103-ND*◆	3296W-103-ND*◆	3296X-103-ND*◆	3296Y-103-ND◆	3296Z-103-ND◆
20K	3296P-203-ND*◆	3296W-203LF-ND*◊	3296X-203-ND*◆	3296Y-203-ND◆	3296Z-203-ND◆
25K	3296P-253-ND	3296W-253LF-ND◊	3296X-253-ND◆	3296Y-253-ND◆	3296Z-253-ND◆
50K	3296P-503-ND*◆	3296W-503LF-ND*◊	3296X-503-ND*◆	3296Y-503-ND◆	3296Z-503-ND◆
100K	3296P-104-ND*◆	3296W-104-ND*◆	3296X-104-ND*◆	3296Y-104LF-ND◊	3296Z-104-ND◆
200K	3296P-204-ND*◆	3296W-204-ND*◆	3296X-204-ND*◆	3296Y-204-ND◆	3296Z-204-ND◆
250K	3296P-254-ND	3296W-254-ND◆	3296X-254-ND◆	3296Y-254-ND◆	3296Z-254-ND
500K	3296P-504-ND*◆	3296W-504-ND*◆	3296X-504-ND*◆	3296Y-504-ND◆	3296Z-504-ND◆
1M	3296P-105-ND*◆	3296W-105-ND*◆	3296X-105LF-ND*◊	3296Y-105-ND◆	3296Z-105-ND◆
2M	3296P-205-ND*◆	3296W-205-ND*◆	3296X-205-ND*◆	3296Y-205LF-ND◊	3296Z-205-ND◆
5M	3296P-505-ND◆	3296W-505-ND◆	3296X-505-ND◆	—	3296Z-505-ND

Series	Pricing 1	10	50
3296P/3296Z	2.70	24.50	105.35
3296W/3296X/3296Y	2.50	22.75	97.83

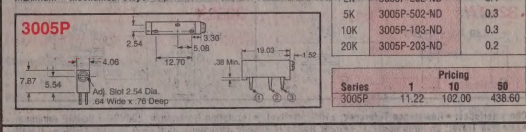
◆ ***NEW!*** For *RoHS Compliant* Part Number change -ND to LF-ND ◊ *RoHS Compliant*

* **3296☐-KIT-ND** *Digi-Key® Series 3296 Trimmer Potentiometer Kit*
5 each of values denoted in series (75 total pieces). Notebook style case and bin storage guide included. For complete number, substitute corresponding letter (P,W,X) for ☐ **$139.00**

SERIES 3005 — 3/4" (19.05mm) Rectangular/Multiturn (20) Wirewound/Industrial/Sealed

RoHS Compliant parts available

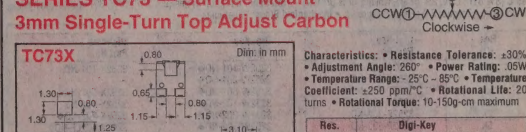
Sealed to prevent contamination from fluxing, soldering and cleaning. **Characteristics:** • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Travel:** 20 turns nominal • **Power Rating:** 70°C — 1 watt; 125°C — 0 watt • **Temperature Range:** –65°C ~ 125°C • **Temperature Coefficient:** ±50ppm/°C • **Load Life:** 1,000 hours 1 watt @ 70°C (3% ΔTR) • **Rotational Life:** 200 cycles (4% ΔTR) • **Torque:** 5.0 oz-inch maximum • **Mechanical Stops:** Wiper idles



Res. (Ω)	Digi-Key Part No.	Nominal Resolution (Percent)
100	3005P-101-ND	0.8
200	3005P-201-ND	0.7
500	3005P-501-ND	0.5
1K	3005P-102-ND	0.5
2K	3005P-202-ND	0.4
5K	3005P-502-ND	0.3
10K	3005P-103-ND	0.3
20K	3005P-203-ND	0.2

Series	Pricing 1	10	50
3005P	11.22	102.00	438.60

SERIES TC73 — Surface Mount 3mm Single-Turn Top Adjust Carbon



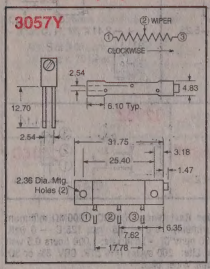
Characteristics: • **Resistance Tolerance:** ±30% • **Adjustment Angle:** 260° • **Power Rating:** .05W • **Temperature Range:** –25°C ~ 85°C • **Temperature Coefficient:** ±250 ppm/°C • **Rotational Life:** 20 turns • **Rotational Torque:** 10-150g-cm maximum

Res. (Ω)	Digi-Key Part No.
500	TC73X-501E☐-ND
1K	TC73X-102E☐-ND
2K	TC73X-202E☐-ND
5K	TC73X-502E☐-ND
10K	TC73X-103E☐-ND
20K	TC73X-203E☐-ND

Series	Part No.	Cut Tape Pricing 1	10	100	Part No.	Tape & Reel Pricing 2,000
TC73X	Add "CT-ND"	.20	1.65	14.40	Add "TR-ND"	100.00/M

BOURNS Trimmer Potentiometers

SERIES 3057 — 1-1/4" (31.75mm) Rectangular/ Multiturn (22) Wirewound/Industrial/Sealed

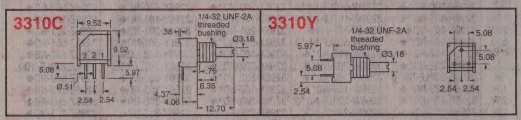


Characteristics: • **Resistance Tolerance:** ±5%Typical • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Travel:** 22 turns nominal • **Power Rating:** 70°C - 1 watt; 150°C - 0 watt • **Temp. Range:** -55°C ~ 150°C. • **Temp. Coefficient:** ±50ppm/°C **Load Life:** 1,000 hours 1 watt @ 70°C (2% ΔTR) • **Rotational Life:** 200 cycles (2% ΔTR) **Torque:** 5.0 oz-in. maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part No.	Nominal Resolution (Percent)
200	3057Y-201-ND	0.86
500	3057Y-501-ND	0.89
1K	3057Y-102-ND	0.72
2K	3057Y-202-ND	0.58
5K	3057Y-502-ND	0.43
10K	3057Y-103-ND	0.34
20K	3057Y-203-ND	0.31

Series	Pricing 1	10	50
3057Y	19.06	173.25	744.98

SERIES 3310 — 9mm Square Panel Control Conductive Plastic, Sealed



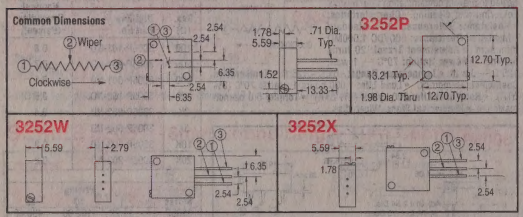
Features: • Conductive plastic • Linear • PC board and bushing mount • Plastic bushing and plastic shaft • Withstands typical industrial washing processes • Compact package saves board and panel space. **Characteristics:** • **Standard Resistance Range (Linear):** 1KΩ to 1MΩ • **Total Resistance Tolerance (Linear Taper):** ±20% • **Independent Linearity:** ±5% • **Absolute Minimum Resistance:** 2Ω maximum • **Effective Electrical Angle:** 270° ±15° • **Contact Resistance Variation:** 1% or 1Ω (whichever is greater) • **Dielectric Withstanding Voltage: (Sea Level)** 900VAC minimum; **(70,000 Feet)** 350 VAC minimum • **Insulation Resistance:** 1,000MΩ minimum • **Power Rating @ 70°C:** (Derate to 0 at 125°C - Voltage limited by power dissipation or 200VAC, whichever is less) 0.25 watts • **Stop Strength:** 5.65 nominal • **Mechanical Angle:** 300° nominal • **Torque (Running):** 3.53 nominal • **Mounting hardware included**

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
1K	3310C-001-102-ND◆	3310Y-001-102-ND◆
2K	3310C-001-202-ND◆	3310Y-001-202-ND◆
5K	3310C-001-502-ND◆	3310Y-001-502-ND◆
10K	3310C-001-103-ND◆	3310Y-001-103L-ND◊
20K	3310C-001-203-ND◆	3310Y-001-203-ND◆
50K	3310C-001-503-ND◆	3310Y-001-503L-ND◊
100K	3310C-001-104-ND◆	3310Y-001-104-ND◆
200K	3310C-001-204L-ND◊	3310Y-001-204-ND◆
500K	3310C-001-504-ND◆	3310Y-001-504-ND◆
1M	3310C-001-105-ND◆	3310Y-001-105L-ND◊

Series	Pricing 1	10	50
3310C/3310Y	2.56	22.63	94.90

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to L-ND ◊ ***RoHS Compliant***

SERIES 3252 — 1/2" (12.70mm) Square/Multiturn (25) Cermet/Industrial/Sealed



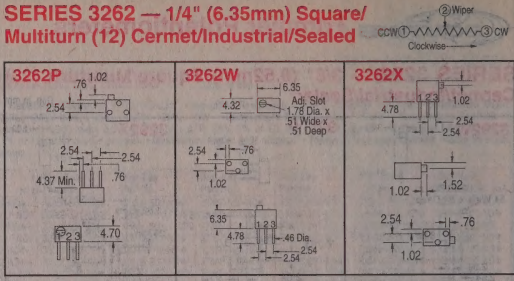
Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Effective Travel:** 25 turns nominal • **Power Rating** (400 volts maximum): 85°C — 0.75 watt; 150°C — 0 watt • **Temperature Range:** -65°C ~ 150°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.75 watt @ 85°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Rotational Life:** 200 cycles (2% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Torque:** 5.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part Np.	Digi-Key Part No.	Digi-Key Part No.
100	3252P-101-ND	3252W-101-ND◆	3252X-101-ND
200	3252P-201-ND	3252W-201-ND◆	—
500	3252P-501-ND◆	3252W-501-ND◆	3252X-501-ND
1K	3252P-102-ND	3252W-102-ND◆	3252X-102-ND
2K	3252P-202-ND	3252W-202-ND◆	3252X-202-ND◆
5K	3252P-502-ND	3252W-502-ND◆	3252X-502L-ND◊
10K	3252P-103-ND	3252W-103-ND◆	3252X-103-ND◆
20K	3252P-203-ND	3252W-203LF-ND◊	3252X-203-ND
50K	3252P-503-ND	3252W-503-ND◆	3252X-503-ND
100K	3252P-104-ND	3252W-104-ND◆	3252X-104-ND
200K	3252P-204LF-ND◊	3252W-204-ND◆	3252X-204-ND

Series	Pricing 1	10	50
3252P/3252W/3252X	14.44	131.25	564.38

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

SERIES 3262 — 1/4" (6.35mm) Square/ Multiturn (12) Cermet/Industrial/Sealed



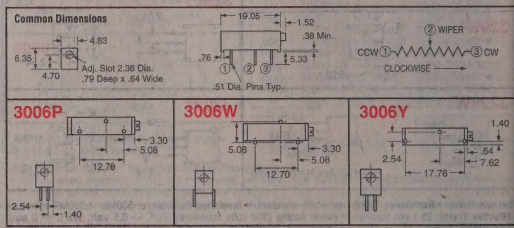
Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Effective Travel:** 12 turns nominal • **Power Rating:** (300 volts maximum) 85°C — 0.25 watt; 150°C — 0 watt • **Temperature Range:** -65°C ~ 150°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.25 watt @ 85°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Rotational Life:** 200 cycles (2% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Torque:** 3.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	3262P-100-ND	3262W-100-ND	3262X-100-ND
20	3262P-200-ND◆	3262W-200-ND◆	3262X-200-ND
50	3262P-500-ND	3262W-500-ND◆	3262X-500-ND◆
100	3262P-101-ND	3262W-101-ND◆	3262X-101-ND◆
200	3262P-201-ND	3262W-201-ND◆	3262X-201-ND
500	3262P-501-ND	3262W-501-ND◆	3262X-501-ND◆
1K	3262P-102-ND◆	3262W-102-ND◆	3262X-102-ND◆
2K	3262P-202-ND	3262W-202-ND◆	3262X-202-ND
5K	3262P-502-ND◆	3262W-502-ND◆	3262X-502-ND◆
10K	3262P-103LF-ND◊	3262W-103-ND◆	3262X-103LF-ND◊
20K	3262P-203-ND	3262W-203-ND◆	3262X-203-ND◆
25K	3262P-253-ND	3262W-253-ND◆	3262X-253-ND◆
50K	3262P-503LF-ND◊	3262W-503-ND◆	3262X-503-ND
100K	3262P-104-ND◆	3262W-104-ND◆	3262X-104LF-ND◊
200K	3262P-204-ND	3262W-204-ND◆	3262X-204-ND
250K	3262P-254-ND	3262W-254-ND◆	3262X-254-ND
500K	3262P-504-ND	3262W-504-ND◆	3262X-504-ND◆
1M	3262P-105-ND◆	3262W-105-ND◆	3262X-105-ND◆

Series	Pricing 1	10	50
3262P/3262W/3262X	14.30	130.00	559.00

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

SERIES 3006 — 3/4" (19.05mm) Rectangular/Multiturn (15) Cermet/Industrial/Sealed



Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Angle:** 15 turns nominal • **Power Rating** (400 volts maximum): 70°C — 0.75 watt; 150°C — 0 watt • **Temperature Range:** -55°C ~ 125°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.75 watt @ 70°C (4% ΔTR) • **Rotational Life:** 200 cycles (3% ΔTR; CRV, 1% or 1Ω, whichever is greater) • **Torque:** 5.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

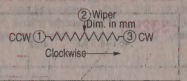
Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
100	3006P-101-ND◆	3006W-101-ND◆	3006Y-101-ND◆
200	3006P-201-ND◆	3006W-201-ND◆	3006Y-201-ND◆
500	3006P-501-ND◆	3006W-501-ND◆	3006Y-501-ND◆
1K	3006P-102-ND◆	3006W-102-ND◆	3006Y-102-ND◆
2K	3006P-202-ND◆	3006W-202-ND◆	3006Y-202-ND◆
5K	3006P-502-ND◆	3006W-502-ND◆	3006Y-502-ND◆
10K	3006P-103-ND◆	3006W-103-ND◆	3006Y-103-ND◆
20K	3006P-203LF-ND◊	3006W-203-ND◆	3006Y-203-ND◆
25K	3006P-253-ND◆	3006W-253-ND	3006Y-253-ND◆
50K	3006P-503-ND◆	3006W-503-ND◆	3006Y-503-ND◆
100K	3006P-104-ND◆	3006W-104-ND◆	3006Y-104-ND◆
200K	3006P-204-ND◆	3006W-204-ND◆	3006Y-204LF-ND◊
250K	3006P-254-ND◆	—	3006Y-254-ND◆
500K	3006P-504-ND◆	3006W-504LF-ND◊	3006Y-504-ND◆
1M	3006P-105-ND◆	3006W-105-ND◆	3006Y-105-ND
2M	3006P-205-ND◆	3006W-205-ND	3006Y-205-ND

Series	Pricing 1	10	50
3006P	1.73	15.75	67.73
3006W/3006Y	1.87	17.00	73.10

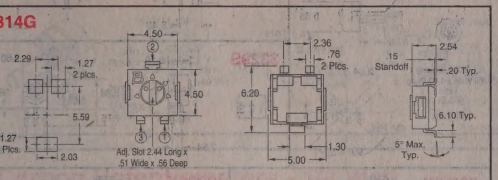
◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

Trimmer Potentiometers

ERIES 3314 — SMD 4mm quare/Single-Turn Cermet/ dustrial/Sealed



314G



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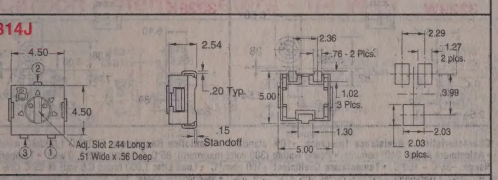
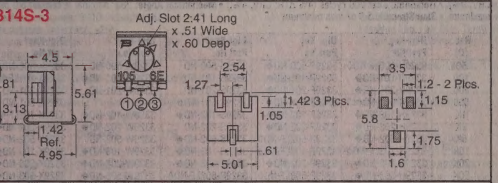
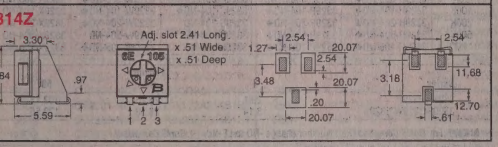


314S-3



314Z



ures: • Compatible with all surface mount soldering processes • Very low CRV — 1% • Standoffs facilitate washing and mechanical stability

acteristics: • **Resistance Tolerance:** ±20% standard • **Insulation Resistance:** 500VDC 100MΩ minimum **ustment Angle:** 210° nominal • **Soldering Heat:** 260°C, 10 seconds, TRS ±1% • **Power Rating (300V mum):** 70°C = 0.25W; 125°C = 0W • **Temperature Range:** -55°C – 125°C • **Temperature Coefficient:** ±100ppm/°C **d Life:** (@ 70°C Rated Power 1,000 hours) • **TRS ±3% Rotational Life:** 100 cycles TRS ±3% • **Mechanical Angle:** nominal • **Torque:** 180g-cm. typical • **Stop Strength:** 300g-cm. typical

s:	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
0	3314G-101E□□-ND	3314J-101E□□-ND	3314S-3-101E□□-ND	3314Z-101E□□-ND
0	3314G-201E□□-ND	3314J-201E□□-ND	3314S-3-201E□□-ND	3314Z-201E□□-ND
0	3314G-501E□□-ND	3314J-501E□□-ND	3314S-3-501E□□-ND	3314Z-501E□□-ND
K	3314G-102E□□-ND	3314J-102E□□-ND	3314S-3-102E□□-ND	3314Z-102E□□-ND
K	3314G-202E□□-ND	3314J-202E□□-ND	3314S-3-202E□□-ND	3314Z-202E□□-ND
K	3314G-502E□□-ND	3314J-502E□□-ND	3314S-3-502E□□-ND	3314Z-502E□□-ND
K	3314G-103E□□-ND	3314J-103E□□-ND	3314S-3-103E□□-ND	3314Z-103E□□-ND
K	3314G-203E□□-ND	3314J-203E□□-ND	3314S-3-203E□□-ND	3314Z-203E□□-ND
K	3314G-253E□□-ND	3314J-253E□□-ND	3314S-3-253E□□-ND	3314Z-253E□□-ND
K	3314G-503E□□-ND	3314J-503E□□-ND	3314S-3-503E□□-ND	3314Z-503E□□-ND
K	3314G-104E□□-ND	3314J-104E□□-ND	3314S-3-104E□□-ND	3314Z-104E□□-ND
K	3314G-204E□□-ND	3314J-204E□□-ND	3314S-3-204E□□-ND	3314Z-204E□□-ND
K	3314G-254E□□-ND	3314J-254E□□-ND	3314S-3-254E□□-ND	3314Z-254E□□-ND
K	3314G-504E□□-ND	3314J-504E□□-ND	3314S-3-504E□□-ND	3314Z-504E□□-ND
M	3314G-105E□□-ND	3314J-105E□□-ND	3314S-3-105E□□-ND	3314Z-105E□□-ND
M	3314G-205E□□-ND	3314J-205E□□-ND	3314S-3-205E□□-ND	3314Z-205E□□-ND

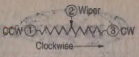
ies	Part No.	Cut Tape Pricing 5	100	Part No.	Tape & Reel Pricing 200	500
4G/3314J	Add "CT-ND"	9.00	156.00	Add "TR-ND"	—	489.00
4S-3	Add "CT-ND"	9.90	171.60	Add "TR-ND"	244.20	—
4Z	Add "CT-ND"	9.90	171.60	Add "TR-ND"	244.20	—

ERIES TC33X — 3mm SMD Trimming Potentiometer

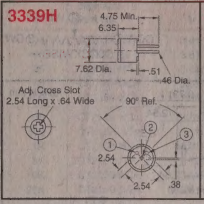
acteristics: • **Resistance Tolerance:** ±25% standard • **Contact Resistance Variation:** 5% maximum • **Resolution:** ntially Infinite • **Adjustment Angle:** 260° ±20° • **Power Rating (50VDC maximum):** 70°C = 0.1W • **Temperature e:** -40°C – 120°C • **Temperature Coefficient:** ±250ppm/°C

ies	Part No.	Cut Tape Pricing 1	10	100	Part No.	Tape & Reel Pricing 2,500
3X	Add "CT-ND"	.20	1.65	14.40	Add "TR-ND"	90.00/M

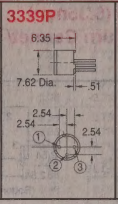
SERIES 3339 — 5/16" (7,95mm) Round/ Four-Turn Cermet/Industrial/Sealed



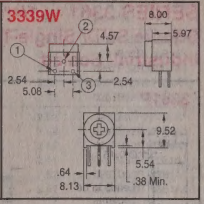
3339H



3339P



3339W



Features: • Unique planetary drive offers precise wiper setting of a multiturn in a single-turn package size. • Top and side adjust styles. **Characteristics:** • **Resistance Tolerance:** ±10% standard. • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Effective Travel:** 4 turns nominal • **Power Rating** (300 volts maximum): 85°C: 0.5 watt; 150°C: 0 watt • **Temperature Range:** -55°C – 150°C • **Temperature Coefficient:** ±100 ppm/°C • **Load Life:** 1,000 hours 0.5 watt @ 85°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Rotational Life:** 200 cycles (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Torque:** 3.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part No.	Digi-Key* Part No.	Digi-Key* Part No.
50	3339H-500-ND	3339P-500LF-ND◊	3339W-500-ND
100	3339H-101-ND◆	3339P-101-ND◆	3339W-101-ND
200	3339H-201-ND◆	3339P-201-ND	3339W-201-ND
500	3339H-501-ND	3339P-501-ND◆	3339W-501-ND◆
1K	3339H-102LF-ND◊	3339P-102-ND◆	—
2K	3339H-202-ND	3339P-202-ND◆	3339W-202-ND◆
5K	3339H-502-ND◆	3339P-502-ND◆	3339W-502-ND◆
10K	3339H-103LF-ND◊	3339P-103-ND◆	3339W-103-ND◆
20K	3339H-203LF-ND◊	3339P-203-ND◆	3339W-203LF-ND◊
50K	3339H-503LF-ND◊	3339P-503-ND◆	—
100K	3339H-104-ND◆	3339P-104-ND◆	3339W-104-ND◆
200K	3339H-204-ND	3339P-204-ND	3339W-204-ND
500K	3339H-504-ND◆	3339P-504-ND◆	3339W-504-ND◆
1M	3339H-105-ND◆	3339P-105-ND◆	3339W-105-ND

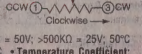
◆ ***NEW!*** For *RoHS Compliant* Part Number change -ND to LF-ND
◊ ***RoHS Compliant***

Series	Pricing 1	10	50
3339H/3339P	5.28	48.00	206.40
3339W	7.59	69.00	296.70

* **3339□-KIT-ND** ***Digi-Key® Series 3339 Trimmer Potentiometers Kit***
5 each of all values in denoted series (70 total pieces). Notebook style case and bin storage guide included. For complete number, substitute corresponding letter (P,W) for □ **$269.00**

SERIES 3318 — 6mm Square/ Single-Turn/ Carbon/Open Frame

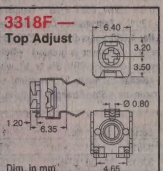
Characteristics:
• **Resistance Tolerance:** ±30% • **Contact Resistance Variation:** 10% maximum • **Resolution:** Infinite • **Adjustment Angle:** 210° ±20° • **Power Rating:** 100-500KΩ = 50V; >500KΩ = 25V; 50°C = 0.1W • **Temperature Range:** -25°C – 100°C • **Temperature Coefficient:** ±1,000ppm/°C



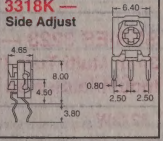
Series	Res. (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	10	100
3318F	500	3318F-501-ND	.34	2.44	10.69
	1.0K	3318F-102-ND◊ ***NEW!***	.35	2.10	14.63
	2.0K	3318F-202-ND	.34	2.44	10.69
	5.0K	3318F-502-ND◊ ***NEW!***	.35	2.10	14.63
	10K	3318F-103-ND◊ ***NEW!***	.35	2.10	14.63
	20K	3318F-203-ND◊ ***NEW!***	.35	2.10	14.63
	1.0M	3318F-105-ND◊ ***NEW!***	.35	2.10	14.63
3318K	1.0M	3318K-105-ND◊ ***NEW!***	.35	2.10	14.63
	10K	3318K-103-ND	.34	2.44	10.69
	5.0K	3318K-502-ND◊ ***NEW!***	.35	2.10	14.63

◊ ***RoHS Compliant***

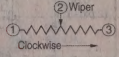
3318F — Top Adjust



3318K — Side Adjust



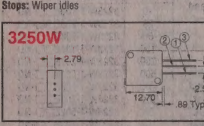
SERIES 3250 — 1/2" (12.70mm) Square/ Multiturn (25) Wirewound/Sealed



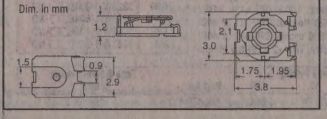
Characteristics: • **Resistance Tolerance:** ±5% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Travel:** 25 turns nominal • **Power Rating:** 85°C – 1 watt; 150°C – 0 watt • **Temperature Range:** -65°C – 150°C • **Temperature Coefficient:** ±70 ppm/°C • **Load Life:** 1,000 hours 1 watt @ 85°C (2% ΔTR; ENR, 5000s) • **Rotational Life:** 200 cycles (2% ΔTR; ENR, 500Ω) • **Torque:** 5.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Res. (Ω)	Digi-Key Part No.	Nominal Resolution (Percent)
200	3250W-201-ND	0.70
500	3250W-501-ND	0.60
1K	3250W-102-ND	0.40
2K	3250W-202-ND	0.30
5K	3250W-502-ND	0.25
10K	3250W-103-ND	0.19
20K	3250W-203-ND	0.16

3250W

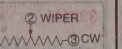


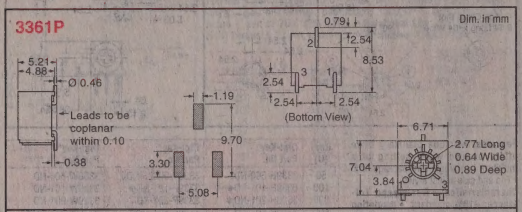
Series	Pricing 1	10	50
3250W	14.55	132.25	568.68

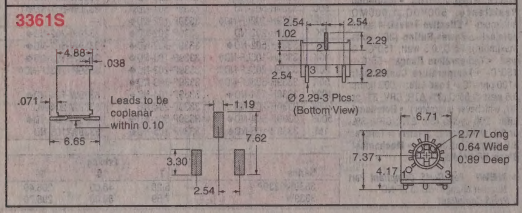


Res. (Ω)	Digi-Key Part No.
100	TC33X-101E□□-ND
1K	TC33X-102E□□-ND
2K	TC33X-202E□□-ND
5K	TC33X-502E□□-ND
10K	TC33X-103E□□-ND
50K	TC33X-503E□□-ND
100K	TC33X-104E□□-ND

SERIES 3361 — 1/4" (6.35mm) Square SMD/ Single-Turn Cermet/ Industrial/ Sealed







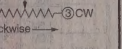
Characteristics:
• **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minimum • **Adjustment Angle:** 240° nominal • **Power Rating** (300V maximum): 70°C = 0.5W; 125°C = 0W • **Temperature Range:** -55°C ~ 125°C • **Temperature Coefficient:** ±100ppm/°C **Load Life:** 1,000 hours 0.5W @ 70°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Mechanical Angle:** 270° nominal • **Torque:** 3.0 oz-in. maximum • **Stop Strength:** 7.0 oz-in. minimum

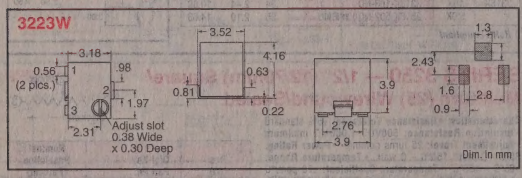
Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
100	3361P-101G□□-ND◆	3361S-101G□□-ND
200	3361P-201G□□-ND◆	3361S-201G□□-ND◆
500	3361P-501G□□-ND◆	3361S-501G□□-ND◆
1K	3361P-102G□□-ND◆	3361S-102G□□-ND◆
2K	3361P-202G□□-ND◆	3361S-202G□□-ND◆
5K	3361P-502G□□-ND◆	3361S-502G□□-ND◆
10K	3361P-103G□□-ND◆	3361S-103G□□-ND◆
20K	3361P-203G□□-ND◆	3361S-203G□□-ND◆
50K	3361P-503G□□-LF-ND◆	3361S-503G□□-ND◆
100K	3361P-104G□□-ND◆	3361S-104G□□-ND◆

Series	Part No.	Cut Tape Pricing 1	10	50	Part No.	Tape & Reel Pricing 500	750
3361P	Add "CT-ND"	1.02	9.25	44.40	Add "TR-ND"	—	486.00
3361S	Add "CT-ND"	1.02	9.25	44.40	Add "TR-ND"	324.00	—

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND

SERIES 3223 — Surface Mount 3mm Multi-Turn (11) Cermet/ Industrial/Sealed





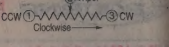
Features:
• Surface Mount 3mm Square/ Multi-turn Cermet/ Industrial/ Sealed • Sealed to withstand standard board wash processing • Pick and place centering design for automated placement compatibility • Flush adjustment screw • Top adjust

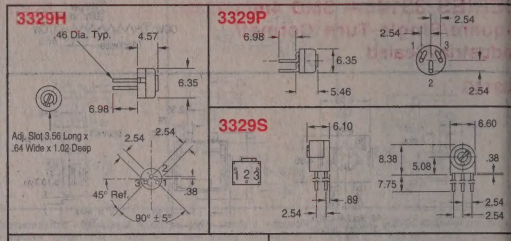
Characteristics:
• **Resistance Tolerance:** ±20% standard • **Absolute Minimum Resistance:** 1% or 3Ω maximum (whichever is greater) • **Contact Resistance Variation:** 3% or 3Ω maximum (whichever is greater) • **Resolution:** Essentially infinite. **Insulation Resistance:** 500VDC, 100MΩ minimum • **Adjustment Angle:** 11 turns nominal • **Power Rating (200V maximum):** 70°C = 0.125W, 150°C = 0W • **Temperature Range:** -65°C ~ 150°C • **Temperature Coefficient:** ±100ppm/°C • **Vibration:** 20G TRS ±1%, VRS ±1% • **Shock:** 100G TRS ±1%, VRS ±1% • **Load Life (@ 70°C Rated Power 1000 Hours):** CRV 4Ω or 4% (whichever is greater) • **Rotational Cycling:** 200 cycles, CRV 4Ω or 4% (whichever is greater) • **Thermal Shock:** 5 cycles, TRS ±2%, VRS ±2%

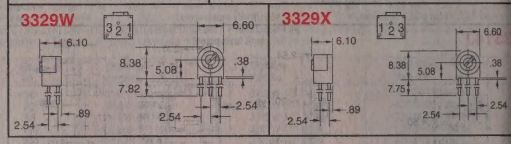
Res. (Ω)	Digi-Key Part No.
10	3223W-1-100E□□-ND
20	3223W-1-200E□□-ND
50	3223W-1-500E□□-ND
100	3223W-1-101E□□-ND
200	3223W-1-201E□□-ND
500	3223W-1-501E□□-ND
1K	3223W-1-102E□□-ND
2K	3223W-1-202E□□-ND
5K	3223W-1-502E□□-ND
10K	3223W-1-103E□□-ND
50K	3223W-1-503E□□-ND
100K	3223W-1-104E□□-ND
200K	3223W-1-204E□□-ND
500K	3223W-1-504E□□-ND
1M	3223W-1-105E□□-ND
2M	3223W-1-205E□□-ND

Series	Part No.	Cut Tape Pricing 1	10	100	Part No.	Tape & Reel Pricing 500
3223W	Add "CT-ND"	3.85	33.00	286.00	Add "TR-ND"	896.50

SERIES 3329 — 1/4" (6.35mm) Round/Single-Turn Cermet/Industrial/Sealed







Characteristics: • **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500VDC 1,000MΩ minima • **Adjustment Angle:** 240° nominal • **Power Rating** (300 volts maximum): 85°C, 0.5 watt; 150°C, 0 watt • **Temperatu Range:** -55°C ~ 150°C • **Temperature Coefficient:** ±100 ppm/°C • **Load Life:** 1,000 hours 0.5 watt @ 85°C (3% ΔT CRV, 3%) • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 4%) • **Mechanical Angle:** 260° nominal • **Torque:** 5.0 oz-i maximum • **Stop Strength:** 5.0 oz-inch minimum

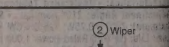
Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key* Part No.	Digi-Key* Part No.
50	3329H-500LF-ND◊	3329P-500-ND◆	3329S-500-ND	3329W-500-ND	3329X-500-ND
100	3329H-101-ND◆	3329P-101-ND◆	3329S-101-ND	3329W-101-ND◆	3329X-101LF-ND◆
200	3329H-201-ND◆	3329P-201-ND◆	3329S-201-ND	3329W-201-ND◆	3329X-201-ND
500	3329H-501-ND◆	3329P-501-ND◆	3329S-501-ND◆	—	3329X-501-ND◆
1K	3329H-102-ND◆	3329P-102-ND◆	3329S-102-ND◆	3329W-102-ND◆	3329X-102LF-ND◆
2K	3329H-202-ND◆	3329P-202-ND◆	3329S-202-ND	3329W-202-ND◆	3329X-202-ND◆
5K	3329H-502-ND◆	3329P-502LF-ND◊	3329S-502-ND◆	3329W-502-ND	3329X-502-ND◆
10K	3329H-103LF-ND◊	3329P-103LF-ND◊	3329S-103-ND◆	3329W-103-ND◆	3329X-103-ND◆
20K	3329H-203-ND◆	3329P-203-ND◆	3329S-203-ND◆	3329W-203-ND◆	3329X-203-ND◆
50K	3329H-503-ND◆	3329P-503LF-ND◊	3329S-503LF-ND◊	3329W-503-ND◆	3329X-503-ND◆
100K	3329H-104-ND◆	3329P-104-ND◆	3329S-104-ND◆	3329W-104-ND◆	3329X-104-ND
200K	3329H-204-ND◆	3329P-204-ND◆	3329S-204-ND	3329W-204-ND◆	3329X-204-ND
500K	3329H-504-ND◆	3329P-504-ND◆	3329S-504-ND	3329W-504-ND	3329X-504-ND
1M	3329H-105-ND◆	3329P-105-ND◆	3329S-105-ND	3329W-105-ND◆	3329X-105-ND

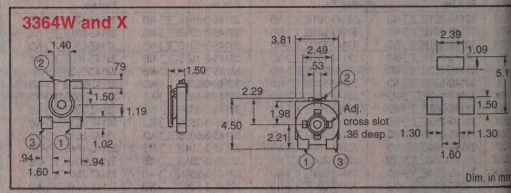
Series	Pricing 1	10	50
3329H/3329P	2.61	23.75	102.13
3329S/3329W/3329X	3.14	28.50	122.55

◆ ***NEW!*** For ***RoHS Compliant*** Part Number change -ND to LF-ND ◊ ***RoHS Compliant***

* **3329□-KIT-ND** ***Digi-Key® Series 3329 Trimmer Potentiometers Kit***
5 each of all values in denoted series (70 total pieces). Notebook style case and bin storage guide included. For compl number, substitute corresponding letter (W,X) for □ ..... **$129.**

SERIES 3364 — SMD 4mm Square/ Single-Turn Cermet/ Industrial/ Open Frame





Cross-slot rotor designs suitable for automatic adjustment equipment. Supplied in 12mm embossed tape, compatible with automatic pick-and-place assembly equipment. Rear adjust versions available.

Characteristics:
• **Resistance Tolerance:** ±25% standard • **Adjustment Angle:** 260°±20° • **Power Rating** (50V maximum): 70°C = 0.2W • **Temperature Range:** -40°C ~ 100°C • **Temperature Coefficient:** ±250ppm/°C • **Load Life:** 1,000 hours 0.2W @ 70°C (5% ΔTR) • **Rotational Life:** 20 cycles (15% ΔTR) • **Torque:** 20 ~ 200g-cm • **Mechanical Angle:** Continuous

Res. (Ω)	Digi-Key* Part No.	Digi-Key Part No.
500	3364W-501E□□-ND	3364X-501E□□-ND
1K	3364W-102E□□-ND	3364X-102E□□-ND
2K	3364W-202E□□-ND	3364X-202E□□-ND
5K	3364W-502E□□-ND	3364X-502E□□-ND
10K	3364W-103E□□-ND	3364X-103E□□-ND
20K	3364W-203E□□-ND	3364X-203E□□-ND
50K	3364W-503E□□-ND	3364X-503E□□-ND
100K	3364W-104E□□-ND	3364X-104E□□-ND
200K	3364W-204E□□-ND	3364X-204E□□-ND
500K	3364W-504E□□-ND	3364X-504E□□-ND
1M	3364W-105E□□-ND	3364X-105E□□-ND

Series	Part No.	Cut Tape Pricing 5	100	Part No.	Tape & Reel Pricing 1,000
3364W/3364X	Add "CT"-ND	4.23	56.55	Add "TR"-ND	321.00

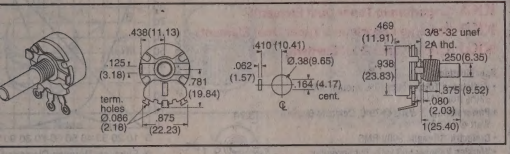
* **3364W-KIT-ND** ***Digi-Key® Series 3364W Trimmer Potentiometers Kit*** 5 each of all values (55 total pieces) ..... **$35.**

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

CTS Wirewound Potentiometers - 5 Watt

Series 026

ECIFICATIONS: Resistance Range: 5Ω – 25KΩ **Resistance Tolerance:** ±20% **Power Rating Watts:** 5 Watts @ 25°C ated to No Load @ 105°C **Voltage Rating:** Operating maximum 500VDC **Shaft information:** 1" FMS x .250" (25.40mm S x 6.35mm) Diameter, Metal, Plain Round **Angle of Rotation:** 300° ±5° **Bushing Information:** Diameter: EIA Std. 3/8"-UNEF-2A Thread Length: 3/8" ± 1/64" (9.52mm ± .40mm) **Terminal Information:** Solder Lug, Formed to Rear **Locating :** Left Side, Terminals Down



Ω	Digi-Key Part No.	Price Each 1	10	50	100	CTS Part No.
5	CT2150-ND	3.61	3.36	2.79	2.52	026TB32R5AOB1A1
10	CT2151-ND*	3.61	3.36	2.79	2.52	026TB32R100B1A1
25	CT2152-ND	3.61	3.36	2.79	2.52	026TB32R250B1A1
50	CT2153-ND*	3.61	3.36	2.79	2.52	026TB32R500B1A1
100	CT2154-ND*	3.61	3.36	2.79	2.52	026TB32R101B1A1
250	CT2155-ND	3.61	3.36	2.79	2.52	026TB32R251B1A1
500	CT2156-ND*	3.61	3.36	2.79	2.52	026TB32R501B1A1
1K	CT2157-ND*	3.61	3.36	2.79	2.52	026TB32R102B1A1
5K	CT2158-ND	3.02	2.82	2.34	2.11	026TB32R502B1A1
10K	CT2159-ND*	3.61	3.36	2.79	2.52	026TB32R103B1A1
25K	CT2160-ND*	3.61	3.36	2.79	2.52	026TB32R253B1A1

★ **26-KIT-ND** *Digi-Key® Series 026 Potentiometer Kit (Q656163)* - 5 each of 7 values **$99.95**

Carbon Potentiometers - 1/4 Watt

Series 270

Fig. 1

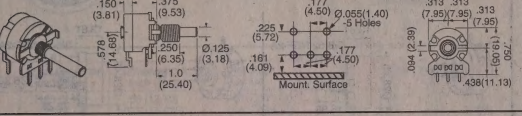
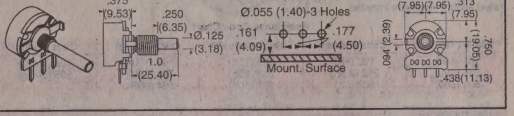


Fig. 2



ECIFICATIONS:
sistance Range: 500Ω through 1MΩ
sistance Tolerance: ±20%
wer Rating Watts: 1/4 Watt through 100K, 1/5 Watt above 100K
ltage Rating: Operating Maximum: 500VDC
chanical Rotation: 300° ±5°
ailable Power Switch: Type: Rotary Rating: 3A @ 125VAC (UL Approved)

Effective Rotation: Without Switch 300° (Approx.), with Switch 290° (Approx.)
Resistance Taper: Linear, Logarithmic
Locating Lug: Left Side, Terminals Down
Bushing Information: Length: 1/4" (6.35mm), Thread Size: 1/4"-32, diameter: 1/4" (6.35mm)
Shaft Information: Length: 1" (25.40mm) including bushing, Diameter: .125" (3.18mm)

Digi-Key Part No.	Price Each 1	10	50	100	250
CT2223-ND - CT2233-ND	3.48	3.24	2.69	2.43	2.16
CT2201-ND - CT2211-ND	2.71	2.52	2.10	1.89	1.68
CT2212-ND - CT2222-ND	3.53	3.28	2.73	2.46	2.19
CT2234-ND - CT2244-ND	2.77	2.58	2.15	1.94	1.72

Linear Taper with Switch Fig. 1

Ω	Digi-Key Part No.	CTS Part No.
500	CT2223-ND*	270X232A501B1B1
1K	CT2224-ND*	270X232A102B1B1
2.5K	CT2225-ND	270X232A252B1B1
5K	CT2226-ND	270X232A502B1B1
10K	CT2227-ND*	270X232A103B1B1
25K	CT2228-ND*	270X232A253B1B1
50K	CT2229-ND*	270X232A503B1B1
100K	CT2230-ND*	270X232A104B1B1
250K	CT2231-ND	270X232A254B1B1
500K	CT2232-ND*	270X232A504B1B1
1MEG	CT2233-ND*	270X232A105B1B1

Linear Taper without Switch Fig. 2

Ω	Digi-Key Part No.	CTS Part No.
500	CT2201-ND**	270X232A501B1A1
1K	CT2202-ND**	270X232A102B1A1
2.5K	CT2203-ND	270X232A252B1A1
5K	CT2204-ND	270X232A502B1A1
10K	CT2205-ND**	270X232A103B1A1
25K	CT2206-ND**	270X232A253B1A1
50K	CT2207-ND**	270X232A503B1A1
100K	CT2208-ND**	270X232A104B1A1
250K	CT2209-ND	270X232A254B1A1
500K	CT2210-ND**	270X232A504B1A1
1 MEG	CT2211-ND**	270X232A105B1A1

Logarithmic Taper with Switch Fig. 1

Ω	Digi-Key Part No.	CTS Part No.
500	CT2212-ND†	270X232A501B2B1
1K	CT2213-ND†	270X232A102B2B1
2.5K	CT2214-ND	270X232A252B2B1
5K	CT2215-ND	270X232A502B2B1
10K	CT2216-ND†	270X232A103B2B1
25K	CT2217-ND†	270X232A253B2B1
50K	CT2218-ND†	270X232A503B2B1
100K	CT2219-ND†	270X232A104B2B1
250K	CT2220-ND	270X232A254B2B1
500K	CT2221-ND†	270X232A504B2B1
1 MEG	CT2222-ND†	270X232A105B2B1

Logarithmic Taper without Switch Fig. 2

Ω	Digi-Key Part No.	CTS Part No.
500	CT2234-ND††	270X232A501B2A1
1K	CT2235-ND††	270X232A102B2A1
2.5K	CT2236-ND	270X232A252B2A1
5K	CT2237-ND	270X232A502B2A1
10K	CT2238-ND††	270X232A103B2A1
25K	CT2239-ND††	270X232A253B2A1
50K	CT2240-ND††	270X232A503B2A1
100K	CT2241-ND††	270X232A104B2A1
250K	CT2242-ND	270X232A254B2A1
500K	CT2243-ND††	270X232A504B2A1
1 MEG	CT2244-ND††	270X232A105B2A1

270-A-KIT-ND *Digi-Key® Series 270 Potentiometer Kit (Q652415)* - 5 each of 8 values **$109.95**
270-B-KIT-ND *Digi-Key® Series 270 Potentiometer Kit (Q653056)* - 5 each of 8 values **$89.95**

† **270-C-KIT-ND** *Digi-Key® Series 270 Potentiometer Kit (Q653103)* - 5 each of 8 values **$109.95**
†† **270-D-KIT-ND** *Digi-Key® Series 270 Potentiometer Kit (Q655519)* - 5 each of 8 values **$89.95**

Carbon Potentiometers - 1/8 Watt

Series 296

Fig. 1 — Vertical Adjust

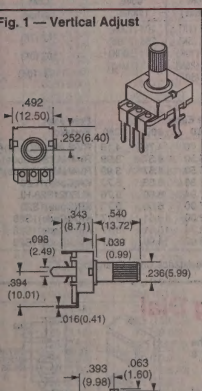
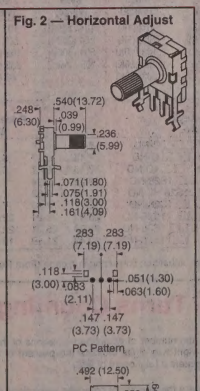


Fig. 2 — Horizontal Adjust



SPECIFICATIONS:
Resistance Range: 500Ω – 1MΩ **Resistance tolerance:** ±20% **Power Rating Watts:** 0.15 Watts @ 40°C derated to no load @ 85°C **Voltage Rating:** Across End Terminals: 250VDC **Rotational Torque:** 20-144gcm **Angle of Rotation:** Total rotation: 300° ±5°, Effective Rotation: 280° (Approximately) **Stops:** 0.57 N-m Minimum Stop Strength **Shaft Information:** Length: 13.72mm Beyond Cover, Style: Knurled, Diameter: 6mm. **Mounting Information:** P.C. Board Mounting

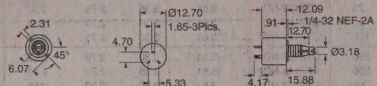
Fig.	Ω	Description	Digi-Key Part No.	Price Each 1	10	50	100	CTS Part No.
1	500	Vertical	CT2261-ND*	1.51	1.26	1.05	.84	296UD501B1N
	1K	Vertical	CT2262-ND*	1.51	1.26	1.05	.84	296UD102B1N
	2.5K	Vertical	CT2263-ND*	1.51	1.26	1.05	.84	296UD252B1N
	5K	Vertical	CT2264-ND*	1.51	1.26	1.05	.84	296UD502B1N
	10K	Vertical	CT2265-ND*	1.51	1.26	1.05	.84	296UD103B1N
	25K	Vertical	CT2266-ND*	1.51	1.26	1.05	.84	296UD253B1N
	50K	Vertical	CT2267-ND*	1.51	1.26	1.05	.84	296UD503B1N
	100K	Vertical	CT2268-ND*	1.51	1.26	1.05	.84	296UD104B1N
	250K	Vertical	CT2269-ND*	1.51	1.26	1.05	.84	296UD254B1N
	500K	Vertical	CT2270-ND*	1.51	1.26	1.05	.84	296UD504B1N
	1MEG	Vertical	CT2271-ND*	1.51	1.26	1.05	.84	296UD105B1N
	500	Horizontal	CT2250-ND**	1.51	1.26	1.05	.84	296XD501B1N
	1K	Horizontal	CT2251-ND**	1.51	1.26	1.05	.84	296XD102B1N
	2.5K	Horizontal	CT2252-ND**	1.51	1.26	1.05	.84	296XD252B1N
	5K	Horizontal	CT2253-ND**	1.51	1.26	1.05	.84	296XD502B1N
	10K	Horizontal	CT2254-ND**	1.51	1.26	1.05	.84	296XD103B1N
2	25K	Horizontal	CT2255-ND**	1.51	1.26	1.05	.84	296XD253B1N
	50K	Horizontal	CT2256-ND**	1.51	1.26	1.05	.84	296XD503B1N
	100K	Horizontal	CT2257-ND**	1.51	1.26	1.05	.84	296XD104B1N
	250K	Horizontal	CT2258-ND**	1.51	1.26	1.05	.84	296XD254B1N
	500K	Horizontal	CT2259-ND**	1.51	1.26	1.05	.84	296XD504B1N
	1MEG	Horizontal	CT2260-ND**	1.51	1.26	1.05	.84	296XD105B1N

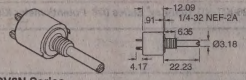
★ **296U-KIT-ND** *Digi-Key® Series 296 Potentiometer Kit (Q656135)* - 5 each of 11 values **$59.95**
★★ **296X-KIT-ND** *Digi-Key® Series 296 Potentiometer Kit (Q656146)* - 5 each of 11 values **$59.95**

Precision Electronic Components Ltd.

MIL Style RV6 – 1/2 Watt Carbon Potentiometers

RV6L Series





RV6N Series

Specifications:
- **Resistance Tolerance:** ±10% through 500K, ±20% from 1Meg
- **Resistance Taper:** Linear
- **Power Rating:** .5 Watts @ 70°C
- **Dielectric Strength:** 750V RMS
- **Working Voltage:** 350VDC maximum, but power not to exceed rating
- **Operating Temperature:** -65°C – 125°C
- **Mechanical Rotation:** 295° QPL listed under MIL R 94 Specifications. Metal housing, stainless steel shaft • Hardware included

Resistance Code Chart

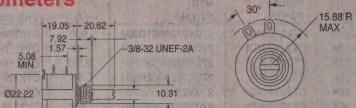
Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)
101 (100)	102 (1K)	103 (10K)	104 (100K)	105 (1Meg)
251 (250)	252 (2.5K)	253 (25K)	254 (250K)	505 (5Meg)
501 (500)	502 (5K)	503 (50K)	504 (500K)	

Resistance Range (Ω)	Digi-Key† Part No.	Price Each 1	10	50	100	250	Precision Part No.
100-5Meg	RV6L □□□ C-ND	10.60	9.78	7.34	4.73	4.34	RV6LAYSA(Code)A
100-1Meg	RV6N □□□ C-ND	9.59	8.85	6.64	4.28	3.93	RV6NAYSD(Code)A

† For complete number, substitute corresponding code (from Resistance Code Chart) for □□□.

Wirewound Precision Ten-Turn 2 Watt Potentiometers

GU Series



Specifications:
• **Resistance Tolerance:** ±5% • **Electrical/Mechanical Rotation:** 3600° + 10° -0° • **Effective Rotation:** 3600° nominal • **Dielectric Strength:** 1000 VAC for 60 seconds at ATM • **Working Voltage:** 500 volts maximum • **Power rating:** 2 watt at 70° C • **Shaft Length and Size:** 13/16" (20.64mm) FMS screwdriver slotted, stainless steel • **Bushing Style:** 5/16" (7.95mm) • **Temperature Coefficient:** ± 20 PPM/°C • Hardware included

Resistance Code Chart

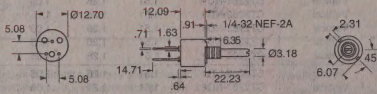
Code (Value)	Code (Value)	Code (Value)
101 (100)	202 (2K)	253 (25K)
201 (200)	502 (5K)	503 (50K)
501 (500)	103 (10K)	104 (100K)
102 (1K)	203 (20K)	

Resistance Range (Ω)	Digi-Key† Part No.	Price Each 1	10	50	100	250	Precision Part No.
100-100K	GU □□□ 1S26-ND	17.88	14.76	13.86	13.32	12.18	GU□□□ 1S26

† For complete number, substitute corresponding code (from Resistance Code Chart) for □□□.

Type SPR Washable 1/2 Watt Carbon Potentiometers

SPRU Series



Specifications: • **Resistance Tolerance:** ±10% through 500K, ±20% from 1Meg – 5Meg • **Resistance Taper:** Linear • **Power Rating:** .5 Watts @ 70°C • **Dielectric Strength:** 750V RMS • **Working Voltage:** 350VDC maximum, but power not to exceed rating • **Operating Temperature:** -65°C – 125°C • **Mechanical Rotation:** 295° • Hardware included
Meets or exceeds MIL R 94 Specifications. Metal housing, stainless steel shaft.

Resistance Code Chart

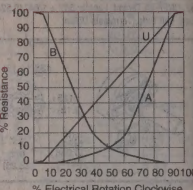
Code (Value)	Code (Value)	Code (Value)	Code (Value)
101 (100)	252 (2.5K)	503 (50K)	105 (1Meg)
251 (250)	502 (5K)	104 (100K)	255 (2.5Meg)
501 (500)	103 (10K)	254 (250K)	505 (5Meg)
102 (1K)	253 (25K)	504 (500K)	

Resistance Range (Ω)	Digi-Key† Part No.	Price Each 1	10	50	100	250	Precision Part No.
100-5Meg	SPRU□□□ C-ND	7.75	7.01	5.96	4.95	4.33	SPRU(Code)1S26

† For complete number, substitute corresponding code (from Resistance Code Chart) for □□□.

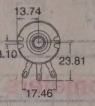
MIL Style – 2 Watt Carbon Potentiometers

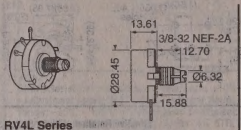
RV4L, RV4N, RV4NJ-(Linear Taper Single Element)
KA (Logarithmic Taper Single Element)
KB (Reverse Logarithmic Taper Single Element)
KU (High Life* Linear Taper Single Element)
*Rotational Life: 100,000 cycles
KKA (Logarithmic Taper Dual Element)
KKB (Reverse Logarithmic Taper Dual Element)
KKU (Linear Taper Dual Element)



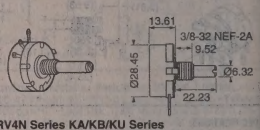
U = Linear Taper
A = Logarithmic Taper
B = Reverse Logarithmic Taper

Specifications:
- **Resistance Tolerance:** ±10% through 500K, ±20% from 1Meg
- **Power Rating:** 2 Watts @ 70°C, Derate to 0 Watt @ 120°C
- **Dielectric Strength:** 900V RMS
- **Working Voltage:** 500 volts, but power not to exceed rating
- **Operating Temperature:** -65°C – 125°C
- **Mechanical Rotation:** 314° QPL listed under MIL R 94 Specifications. Metal housing, stainless steel shaft. • Hardware included

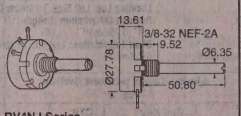




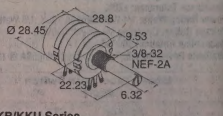
RV4L Series



RV4N Series KA/KB/KU Series



RV4NJ Series



KKA/KKB/KKU Series

RV4L SERIES (LINEAR)

Code (Value)	Code (Value)	Code (Value)	Code (Value)
500 (50)	102 (1K)	153 (15K)	104 (100K)
101 (100)	252 (2.5K)	253 (25K)	254 (250K)
251(250)	502 (5K)	353 (35K)	504 (500K)
501 (500)	103 (10K)	503 (50K)	105 (1Meg)

KA SERIES (LOG TAPER)

Code (Value)	Code (Value)
502 (5K)	104 (100K)
103 (10K)	254 (250K)
253 (25K)	504 (500K)
503 (50K)	105 (1Meg)

RV4N SERIES (LINEAR)

Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)
500 (50)	501 (500)	502 (5K)	253 (25K)	254 (250K)
101 (100)	102 (1K)	752 (7.5K)	353 (35K)	504 (500K)
151 (150)	152 (1.5K)	103 (10K)	503 (50K)	105 (1Meg)
251 (250)	252 (2.5K)	153 (15K)	104 (100K)	

RV4NJ SERIES (LINEAR)

Code (Value)	Code (Value)	Code (Value)
500 (50)	502 (5K)	103 (10K)
101 (100)	103 (10K)	253 (25K)
251 (250)	253 (25K)	104 (100K)
501 (500)	104 (100K)	504 (500K)
102 (1K)	504 (500K)	105 (1Meg)
252 (2.5K)	105 (1Meg)	

KB SERIES (REV LOG)

Code (Value)	Code (Value)
102 (1K)	104 (100K)
502 (5K)	254 (250K)
103 (10K)	504 (500K)
253 (25K)	105 (1Meg)
503 (50K)	

KKA SERIES (DUAL LOG)

Code (Value)	Code (Value)
102 (1K)	104 (100K)
502 (5K)	254 (250K)
103 (10K)	504 (500K)
253 (25K)	105 (1Meg)
503 (50K)	

KKB SERIES (DUAL REV LOG)

Code (Value)	Code (Value)
102 (1K)	104 (100K)
502 (5K)	254 (250K)
103 (10K)	504 (500K)
253 (25K)	105 (1Meg)
503 (50K)	

KKU SERIES (DUAL LINEAR)

Code (Value)
102 (1K)
502 (5K)
103 (10K)

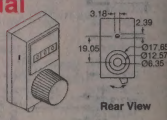
Resistance Range (Ω)	Digi-Key† Part No.	Price Each 1	10	50	100	250	Precision Part No.
50-1Meg	RV4L □□□ C-ND	7.49	6.77	5.76	4.79	4.18	RV4LAYSA(Code)A
50-1Meg	RV4N □□□ C-ND	7.15	6.47	5.50	4.57	3.99	RV4NAYSD(Code)A
50-1Meg	RV4NJ □□□ C-ND	7.15	6.47	5.50	4.57	3.99	RV4NAYSJ(Code)A
5K-1Meg	KA □□□ 1S28-ND	10.22	9.24	7.86	6.53	5.70	KA(Code)1S28
5K	KU5021S28-HL-ND	10.32	9.33	7.94	6.60	5.76	KU5021S28-HL
1K-1Meg	KB □□□ 1S28-ND	10.27	9.29	7.90	6.56	5.73	KB(Code)1S28
1K-1Meg	KKA □□□ 1S28-ND	28.99	26.21	22.30	18.51	16.17	KKA(Code)1S28
1K-1Meg	KKB □□□ 1S28-ND	28.99	26.21	22.30	18.51	16.17	KKU(Code)1S28
1K-10K	KKU □□□ 1S28-ND	23.43	21.16	18.02	14.96	13.07	KKU(Code)1S28

† For complete number, substitute corresponding code (from Resistance Code Chart) for □□□.

Model 15 Turns Counting Dial

E15-1-11-ND:
The left digit indicates the number of complete revolutions of the turning knob and the right two digits indicate the percent of a revolution. The unit registers a total count of 999.

E15-2-11-ND:
The left two digits indicate the number of complete revolutions of the turning knob and the right two digits indicate the percent of a revolution. The unit registers a total count of 9999.



Rear View

Description	Digi-Key Part No.	Price Each	Precision Part No.
Digital Dial (3 Digit/10 turn)	E15-1-11-ND	30.15	E15-1-11
Digital Dial (4 Digit/100 turn)	E15-2-11-ND	34.62	E15-2-11

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Machined Aluminum Instrumentation Knobs

Features: • Precision aluminum machined surfaces from bar stock. • Anodized finish gloss or matte. • Colors are clear or black. • Set screws accept a 1/16" hex allen wrench • All knobs will accept round shafts with sizes indicated below. • ML Model: One 6-32 set screw located 90° from the indicator line. • DD, JD, DDS and SC Models: Two 6-32 set screws set 120° apart. • HD Model: Two 6-32 set screws set 90° apart. • OEJ, OED and OES Models: Single 6-32 set screw located 180° from indicator line.

Made in the USA

Fig. 1 – ML Model "Soft Touch"

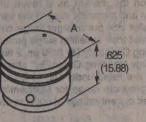


Fig. 2 – DD Model

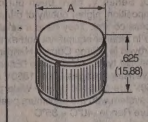


Fig. 3 – JD Model

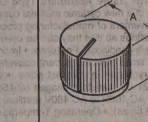


Fig. 4 – HD Model

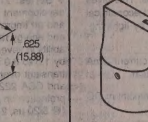


Fig. 5 – DDS Model

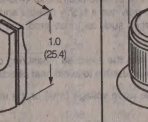


Fig. 6 – SC Model

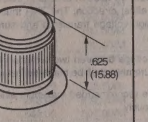


Fig. 7 – OEJ Model

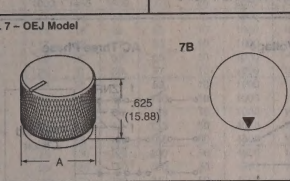


Fig. 8 – OED Model

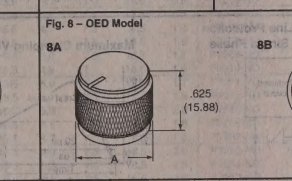
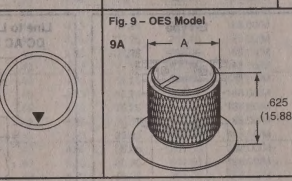


Fig. 9 – OES Model



Shaft Diameter Inch (mm)	Dimension A Inch (mm)	Digi-Key* Part No.	Price Each 1	10	50	100
.125 (3.18)	.50 (12.70)	226-□000-ND	5.13	4.56	3.77	3.42
.125 (3.18)	.625 (15.875)	226-□069-ND	6.05	5.38	4.44	4.04
.125 (3.18)	.75 (19.05)	226-□026-ND	6.26	5.56	4.59	4.17
.125 (3.18)	.925 (23.50)	226-□027-ND	6.86	6.10	5.04	4.58
.236 (6.00)	.50 (12.70)	226-□003-ND	5.13	4.56	3.77	3.42
.236 (6.00)	.625 (15.875)	226-□071-ND	6.05	5.38	4.44	4.04
.236 (6.00)	.75 (19.05)	226-□004-ND	6.26	5.56	4.59	4.17
.236 (6.00)	.925 (23.50)	226-□028-ND	6.86	6.10	5.04	4.58
.250 (6.35)	.50 (12.70)	226-□025-ND	5.13	4.56	3.77	3.42
.250 (6.35)	.625 (15.875)	226-□070-ND	6.05	5.38	4.44	4.04
.250 (6.35)	.75 (19.05)	226-□001-ND	6.26	5.56	4.59	4.17
.250 (6.35)	.925 (23.50)	226-□002-ND	6.86	6.10	5.04	4.58
.125 (3.18)	.50 (12.70)	226-□005-ND	4.73	4.20	3.47	3.15
.125 (3.18)	.625 (15.875)	226-□057-ND	5.06	4.50	3.72	3.38
.125 (3.18)	.75 (19.05)	226-□042-ND	4.88	4.34	3.59	3.26
.125 (3.18)	.925 (23.50)	226-□043-ND	5.13	4.56	3.77	3.42
.236 (6.00)	.50 (12.70)	226-□008-ND	4.73	4.20	3.47	3.15
.236 (6.00)	.625 (15.875)	226-□059-ND	5.06	4.50	3.72	3.38
.236 (6.00)	.75 (19.05)	226-□009-ND	4.88	4.34	3.59	3.26
.236 (6.00)	.925 (23.50)	226-□044-ND	5.13	4.56	3.77	3.42
.250 (6.35)	.50 (12.70)	226-□041-ND	4.73	4.20	3.47	3.15
.250 (6.35)	.625 (15.875)	226-□058-ND	5.06	4.50	3.72	3.38
.250 (6.35)	.75 (19.05)	226-□006-ND	4.88	4.34	3.59	3.26
.250 (6.35)	.925 (23.50)	226-□007-ND	5.13	4.56	3.77	3.42
.125 (3.18)	.50 (12.70)	226-□010-ND	4.73	4.20	3.47	3.15
.125 (3.18)	.625 (15.875)	226-□060-ND	5.06	4.50	3.72	3.38
.125 (3.18)	.75 (19.05)	226-□034-ND	4.88	4.34	3.59	3.26
.125 (3.18)	.925 (23.50)	226-□035-ND	5.13	4.56	3.77	3.42
.236 (6.00)	.50 (12.70)	226-□013-ND	4.73	4.20	3.47	3.15
.236 (6.00)	.625 (15.875)	226-□062-ND	5.06	4.50	3.72	3.38
.236 (6.00)	.75 (19.05)	226-□014-ND	4.88	4.34	3.59	3.26
.236 (6.00)	.925 (23.50)	226-□036-ND	5.13	4.56	3.77	3.42
.250 (6.35)	.50 (12.70)	226-□033-ND	4.73	4.20	3.47	3.15
.250 (6.35)	.625 (15.875)	226-□061-ND	5.06	4.50	3.72	3.38
.250 (6.35)	.75 (19.05)	226-□011-ND	4.88	4.34	3.59	3.26
.250 (6.35)	.925 (23.50)	226-□012-ND	5.13	4.56	3.77	3.42
.125 (3.18)	.50 (12.70)	226-□015-ND	5.38	4.78	3.95	3.59
.125 (3.18)	.625 (15.875)	226-□066-ND	6.26	5.56	4.59	4.17
.125 (3.18)	.75 (19.05)	226-□030-ND	6.48	5.76	4.76	4.32
.125 (3.18)	.925 (23.50)	226-□031-ND	7.29	6.48	5.35	4.86
.236 (6.00)	.50 (12.70)	226-□018-ND	5.38	4.78	3.95	3.59
.236 (6.00)	.625 (15.875)	226-□068-ND	6.26	5.56	4.59	4.17
.236 (6.00)	.75 (19.05)	226-□061-ND	6.48	5.76	4.76	4.32
.236 (6.00)	.925 (23.50)	226-□032-ND	7.29	6.48	5.35	4.86
.250 (6.35)	.50 (12.70)	226-□029-ND	5.38	4.78	3.95	3.59
.250 (6.35)	.625 (15.875)	226-□067-ND	6.26	5.56	4.59	4.17
.250 (6.35)	.75 (19.05)	226-□016-ND	6.48	5.76	4.76	4.32
.250 (6.35)	.925 (23.50)	226-□017-ND	7.29	6.48	5.35	4.86
.125 (3.18)	.50 (12.70)	226-□020-ND	5.20	4.62	3.82	3.47
.125 (3.18)	.625 (15.875)	226-□063-ND	6.05	5.38	4.44	4.04
.125 (3.18)	.75 (19.05)	226-□038-ND	6.21	5.52	4.56	4.14
.125 (3.18)	.925 (23.50)	226-□039-ND	6.71	5.96	4.92	4.47
.236 (6.00)	.50 (12.70)	226-□023-ND	5.20	4.62	3.82	3.47
.236 (6.00)	.625 (15.875)	226-□065-ND	6.05	5.38	4.44	4.04
.236 (6.00)	.75 (19.05)	226-□024-ND	6.21	5.52	4.56	4.14
.236 (6.00)	.925 (23.50)	226-□040-ND	6.71	5.96	4.92	4.47
.250 (6.35)	.50 (12.70)	226-□037-ND	5.20	4.62	3.82	3.47
.250 (6.35)	.625 (15.875)	226-□064-ND	6.05	5.38	4.44	4.04
.250 (6.35)	.75 (19.05)	226-□021-ND	6.21	5.52	4.56	4.14
.250 (6.35)	.925 (23.50)	226-□022-ND	6.71	5.96	4.92	4.47
.125 (3.18)	.50 (12.70)	226-□072-ND	5.47	4.86	4.01	3.65
.125 (3.18)	.625 (15.875)	226-□073-ND	6.05	5.38	4.44	4.04
.125 (3.18)	.75 (19.05)	226-□074-ND	6.53	5.80	4.79	4.35
.125 (3.18)	.925 (23.50)	226-□075-ND	7.04	6.26	5.17	4.70
.236 (6.00)	.50 (12.70)	226-□080-ND	5.47	4.86	4.01	3.65
.236 (6.00)	.625 (15.875)	226-□081-ND	6.05	5.38	4.44	4.04
.236 (6.00)	.75 (19.05)	226-□082-ND	6.53	5.80	4.79	4.35
.236 (6.00)	.925 (23.50)	226-□083-ND	7.04	6.26	5.17	4.70
.250 (6.35)	.50 (12.70)	226-□076-ND	5.47	4.86	4.01	3.65
.250 (6.35)	.625 (15.875)	226-□077-ND	6.05	5.38	4.44	4.04
.250 (6.35)	.75 (19.05)	226-□078-ND	6.53	5.80	4.79	4.35
.250 (6.35)	.925 (23.50)	226-□079-ND	7.04	6.26	5.17	4.70
.125 (3.18)	.50 (12.70)	226-□084-ND	2.88	2.56	2.12	1.92
.125 (3.18)	.625 (15.875)	226-□085-ND	2.97	2.64	2.18	1.98

Fig.	Shaft Diameter Inch (mm)	Dimension A Inch (mm)	Digi-Key* Part No.	Price Each 1	10	50	100
	.125 (3.18)	.75 (19.05)	226-□086-ND	3.08	2.74	2.27	2.06
	.125 (3.18)	.925 (23.50)	226-□087-ND	3.17	2.82	2.33	2.12
	.236 (6.00)	.50 (12.70)	226-□092-ND	2.88	2.56	2.12	1.92
	.236 (6.00)	.625 (15.875)	226-□093-ND	2.97	2.64	2.18	1.98
7A	.236 (6.00)	.75 (19.05)	226-□094-ND	3.08	2.74	2.27	2.06
	.236 (6.00)	.925 (23.50)	226-□095-ND	3.17	2.82	2.33	2.12
	.250 (6.35)	.50 (12.70)	226-□088-ND	2.88	2.56	2.12	1.92
	.250 (6.35)	.625 (15.875)	226-□089-ND	2.97	2.64	2.18	1.98
	.250 (6.35)	.75 (19.05)	226-□090-ND	3.08	2.74	2.27	2.06
	.250 (6.35)	.925 (23.50)	226-□091-ND	3.17	2.82	2.33	2.12
	.125 (3.18)	.50 (12.70)	226-□120-ND	2.88	2.56	2.12	1.92
	.125 (3.18)	.625 (15.875)	226-□121-ND	2.97	2.64	2.18	1.98
	.125 (3.18)	.75 (19.05)	226-□122-ND	3.08	2.74	2.27	2.06
	.125 (3.18)	.925 (23.50)	226-□123-ND	3.17	2.82	2.33	2.12
	.236 (6.00)	.50 (12.70)	226-□128-ND	2.88	2.56	2.12	1.92
7B	.236 (6.00)	.625 (15.875)	226-□129-ND	2.97	2.64	2.18	1.98
	.236 (6.00)	.75 (19.05)	226-□130-ND	3.08	2.74	2.27	2.06
	.236 (6.00)	.925 (23.50)	226-□131-ND	3.17	2.82	2.33	2.12
	.250 (6.35)	.50 (12.70)	226-□124-ND	2.88	2.56	2.12	1.92
	.250 (6.35)	.625 (15.875)	226-□125-ND	2.97	2.64	2.18	1.98
	.250 (6.35)	.75 (19.05)	226-□126-ND	3.08	2.74	2.27	2.06
	.250 (6.35)	.925 (23.50)	226-□127-ND	3.17	2.82	2.33	2.12
	.125 (3.18)	.50 (12.70)	226-□096-ND	2.88	2.56	2.12	1.92
	.125 (3.18)	.625 (15.875)	226-□097-ND	2.97	2.64	2.18	1.98
	.125 (3.18)	.75 (19.05)	226-□098-ND	3.08	2.74	2.27	2.06
	.125 (3.18)	.925 (23.50)	226-□099-ND	3.17	2.82	2.33	2.12
	.236 (6.00)	.50 (12.70)	226-□104-ND	2.88	2.56	2.12	1.92
	.236 (6.00)	.625 (15.875)	226-□105-ND	2.97	2.64	2.18	1.98
8A	.236 (6.00)	.75 (19.05)	226-□106-ND	3.08	2.74	2.27	2.06
	.236 (6.00)	.925 (23.50)	226-□107-ND	3.17	2.82	2.33	2.12
	.250 (6.35)	.50 (12.70)	226-□100-ND	2.88	2.56	2.12	1.92
	.250 (6.35)	.625 (15.875)	226-□101-ND	2.97	2.64	2.18	1.98
	.250 (6.35)	.75 (19.05)	226-□102-ND	3.08	2.74	2.27	2.06
	.250 (6.35)	.925 (23.50)	226-□103-ND	3.17	2.82	2.33	2.12
	.125 (3.18)	.50 (12.70)	226-□132-ND	2.88	2.56	2.12	1.92
	.125 (3.18)	.625 (15.875)	226-□133-ND	2.97	2.64	2.18	1.98
	.125 (3.18)	.75 (19.05)	226-□134-ND	3.08	2.74	2.27	2.06
	.125 (3.18)	.925 (23.50)	226-□135-ND	3.17	2.82	2.33	2.12
	.236 (6.00)	.50 (12.70)	226-□140-ND	2.88	2.56	2.12	1.92
8B	.236 (6.00)	.625 (15.875)	226-□141-ND	2.97	2.64	2.18	1.98
	.236 (6.00)	.75 (19.05)	226-□142-ND	3.08	2.74	2.27	2.06
	.236 (6.00)	.925 (23.50)	226-□143-ND	3.17	2.82	2.33	2.12
	.250 (6.35)	.50 (12.70)	226-□136-ND	2.88	2.56	2.12	1.92
	.250 (6.35)	.625 (15.875)	226-□137-ND	2.97	2.64	2.18	1.98
	.250 (6.35)	.75 (19.05)	226-□138-ND	3.08	2.74	2.27	2.06
	.250 (6.35)	.925 (23.50)	226-□139-ND	3.17	2.82	2.33	2.12
	.125 (3.18)	.50 (12.70)	226-□108-ND	3.42	3.04	2.51	2.28
	.125 (3.18)	.625 (15.875)	226-□109-ND	3.56	3.16	2.61	2.37
	.125 (3.18)	.75 (19.05)	226-□110-ND	3.67	3.26	2.69	2.45
	.125 (3.18)	.925 (23.50)	226-□111-ND	3.85	3.42	2.83	2.57
	.236 (6.00)	.50 (12.70)	226-□116-ND	3.42	3.04	2.51	2.28
	.236 (6.00)	.625 (15.875)	226-□117-ND	3.56	3.16	2.61	2.37
9A	.236 (6.00)	.75 (19.05)	226-□118-ND	3.67	3.26	2.69	2.45
	.236 (6.00)	.925 (23.50)	226-□119-ND	3.85	3.42	2.83	2.57
	.250 (6.35)	.50 (12.70)	226-□112-ND	3.42	3.04	2.51	2.28
	.250 (6.35)	.625 (15.875)	226-□113-ND	3.56	3.16	2.61	2.37
	.250 (6.35)	.75 (19.05)	226-□114-ND	3.67	3.26	2.69	2.45
	.250 (6.35)	.925 (23.50)	226-□115-ND	3.85	3.42	2.83	2.57
	.125 (3.18)	.50 (12.70)	226-□144-ND	3.42	3.04	2.51	2.28
	.125 (3.18)	.625 (15.875)	226-□145-ND	3.56	3.16	2.61	2.37
	.125 (3.18)	.75 (19.05)	226-□146-ND	3.67	3.26	2.69	2.45
	.125 (3.18)	.925 (23.50)	226-□147-ND	3.85	3.42	2.83	2.57
	.236 (6.00)	.50 (12.70)	226-□152-ND	3.42	3.04	2.51	2.28
9B	.236 (6.00)	.625 (15.875)	226-□153-ND	3.56	3.16	2.61	2.37
	.236 (6.00)	.75 (19.05)	226-□154-ND	3.67	3.26	2.69	2.45
	.236 (6.00)	.925 (23.50)	226-□155-ND	3.85	3.42	2.83	2.57
	.250 (6.35)	.50 (12.70)	226-□148-ND	3.42	3.04	2.51	2.28
	.250 (6.35)	.625 (15.875)	226-□149-ND	3.56	3.16	2.61	2.37
	.250 (6.35)	.75 (19.05)	226-□150-ND	3.67	3.26	2.69	2.45
	.250 (6.35)	.925 (23.50)	226-□151-ND	3.85	3.42	2.83	2.57

* For complete part number, substitute the corresponding color choice (listed below) for □:
1 = Black Gloss 2 = Aluminum Gloss 3 = Aluminum Matte 4 = Black Matte

"ZNR" Transient/Surge Absorbers Type D and E

Features: • Excellent clamping voltage characteristic and fast response time (50nsec.) when subjected to impulse surges. Eliminates the discharge lag that is indurative of gap-type arrestors. • Bilateral and symmetrical V-1 characteristic curve. The ZNR can, therefore, be used both in AC and DC circuits, for protection of either positive or negative transients. Panasonic ZNRs are zinc oxide nonlinear resistors whose resistance changes as a function of the applied voltage. The ZNR has a bilateral and symmetrical V-1 characteristic curve and can therefore be used in circuits in place of back-to-back zener diodes. This gives your circuit clamping protection in either direction. The ZNR thus provides a highly reliable and economical way to protect against repeated high voltage transients and surges such as those produced by lightning, switching surges and noise spikes.

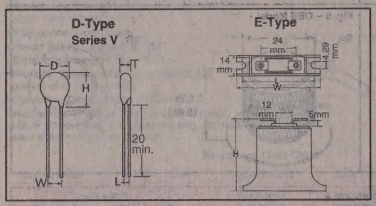
Ratings: Varistor Voltage: The voltage between two terminals with the specified measuring current CmA DC applied is called Vc. The measurement shall be made as fast as possible to avoid heat affection.

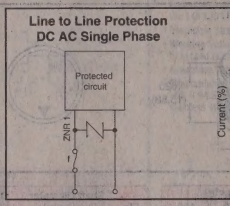
Maximum Allowable Voltage: The recommended maximum sine wave voltage (rms) or the maximum DC voltage that can be applied continuously.

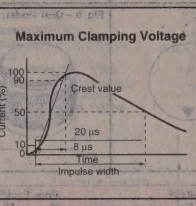
Withstanding Surge Current: The maximum current within the varistor voltage change of 510% with the standard impulse current (8/20μ second) applied one time.

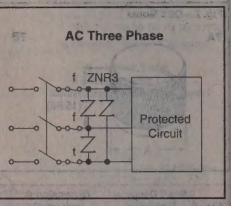
Maximum Clamping Voltage: The maximum voltage between two terminals with the specified standard impulse current (8/20μ second) illustrated.

V Series: ZNR Surge Absorbers Type D, Series V, have been put on the market as a result of the development of a new ceramic material composition, higher quality of parts and materials used in the varistor and an improvement of manufacturing process control. They have a smaller size but a larger surge current and energy ratings so that they can be used in smaller equipment and exhibit their excellent surge protection ability in severe conditions. **Features:** • Improved in "Surge Current Handling Capability (@ 8/20 μs, 2 times)" by 1.6 to 3.0 times over the current conventional type. • Very large "Energy Handling Capability" absorbing transient overvoltages in compact sizes • Varistor voltages 250V-1650V are listed under UL1414, UL1449 and CSA 2221 01, varistor voltages 82-150V are UL1449 only • Wide products range for transient/surge protection on AC 100V to AC 480V nominal system with the maximum peak current ratings of 600A to 6500A (@ 8/20 μs, 2 times) • Operating Temperature Range -40°C ~ 85°C









Series	Type	Maximum Allowance Voltage (V) AC	DC	Varistor Volt. ±10% (V)	Max. Clamp Voltage @ Test Current (8/20μsec.) Vc(V)	Ip(A)	Surge Current (A)	Dimensions (mm) D Max.	T Max.	W ±1	H Max.	L ±1	Digi-Key Part No.	1	10	100	1,000	5,000	10,000	Panasonic Part No.
5	D Ser.V	11	14	18	40	1	125	7.0	4.5	5.0	10.0	1.5	P7282-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D180
		14	18	22	48	1	125	7.0	4.5	5.0	10.0	1.5	P7283-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D220
		17	22	27	60	1	125	7.0	4.5	5.0	10.0	1.5	P7284-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D270
		20	26	33	73	1	125	7.0	4.5	5.0	10.0	1.5	P7285-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D330
		25	31	39	86	1	125	7.0	4.5	5.0	10.0	1.5	P7286-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D390
		30	38	47	104	1	125	7.0	4.5	5.0	10.0	1.5	P7287-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D470
		35	45	56	123	1	125	7.0	4.5	5.0	10.0	1.5	P7288-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D560
		40	56	68	150	1	125	7.0	4.5	5.0	10.0	1.5	P7289-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D680
		50	65	82	145	5	600	7.0	4.1	5.0	10.0	1.4	P7180-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D820
		60	85	100	175	5	600	7.0	4.3	5.0	10.0	1.6	P7240-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D101
		75	100	120	210	5	600	7.0	4.5	5.0	10.0	1.8	P7241-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D121
		95	125	150	260	5	600	7.0	4.8	5.0	10.0	2.1	P7242-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D151
		130	170	200	355	5	600	7.0	4.4	5.0	10.0	1.7	P7181-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D201
		140	180	220	380	5	600	7.0	4.5	5.0	10.0	1.8	P7182-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D221
		150	200	240	415	5	600	7.0	4.6	5.0	10.0	1.9	P7183-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D241
		175	225	270	475	5	600	7.0	4.8	5.0	10.0	2.1	P7184-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D271
		210	270	330	570	5	600	7.0	5.1	5.0	10.0	2.4	P7185-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D331
		230	300	360	620	5	600	7.0	5.3	5.0	10.0	2.5	P7243-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D361
		250	320	390	675	5	600	7.0	5.4	5.0	10.0	2.7	P7244-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D391
		275	350	430	745	5	600	7.0	5.6	5.0	10.0	2.9	P7245-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D431
		300	385	470	810	5	600	7.0	5.8	5.0	10.0	3.1	P7186-ND	.25	2.16	18.00	103.00	96.00/M	93.00/M	ERZ-V05D471
7	D Ser.V	11	14	18	36	2.5	250	8.5	4.5	5.0	11.5	1.3	P7290-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D180
		14	18	22	43	2.5	250	8.5	4.6	5.0	11.5	1.4	P7291-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D220
		17	22	27	53	2.5	250	8.5	4.7	5.0	11.5	1.5	P7292-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D270
		20	26	33	65	2.5	250	8.5	4.9	5.0	11.5	1.7	P7293-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D330
		25	31	39	77	2.5	250	8.5	4.8	5.0	11.5	1.6	P7294-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D390
		30	38	47	93	2.5	250	8.5	4.9	5.0	11.5	1.7	P7295-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D470
		35	45	56	110	2.5	250	8.5	5.0	5.0	11.5	1.8	P7296-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D560
		40	56	68	135	2.5	250	8.5	5.2	5.0	11.5	2.0	P7297-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D680
		50	65	82	135	10	1250	8.5	4.1	5.0	11.5	1.4	P7187-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D820
		60	85	100	165	10	1250	8.5	4.3	5.0	11.5	1.6	P7246-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D101
		75	100	120	200	10	1250	8.5	4.5	5.0	11.5	1.8	P7247-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D121
		95	125	150	250	10	1250	8.5	4.8	5.0	11.5	2.1	P7248-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D151
		130	170	200	340	10	1250	8.5	4.4	5.0	11.5	1.7	P7188-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D201
		140	180	220	360	10	1250	8.5	4.6	5.0	11.5	1.8	P7189-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D221
		150	200	240	395	10	1250	8.5	4.6	5.0	11.5	1.9	P7190-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D241
		175	225	270	455	10	1250	8.5	4.8	5.0	11.5	2.1	P7200-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D271
		210	270	330	545	10	1250	8.5	5.1	5.0	11.5	2.4	P7201-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D331
		230	300	360	595	10	1250	8.5	5.3	5.0	11.5	2.5	P7249-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D361
		250	320	390	650	10	1250	8.5	5.4	5.0	11.5	2.7	P7250-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D391
		275	350	430	710	10	1250	8.5	5.8	5.0	11.5	2.9	P7251-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D431
		300	385	470	775	10	1250	8.5	5.8	5.0	11.5	3.1	P7202-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D471
		320	410	510	845	10	1250	8.5	6.0	5.0	11.5	3.3	P7203-ND	.28	2.40	20.00	114.00	107.00/M	103.00/M	ERZ-V07D511
10	D Ser.V	11	14	18	36	5	500	11.5	4.6	7.5	14.5	1.3	P7298-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D180
		14	18	22	43	5	500	11.5	4.7	7.5	14.5	1.4	P7299-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D220
		17	22	27	53	5	500	11.5	4.8	7.5	14.5	1.5	P7300-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D270
		20	26	33	65	5	500	11.5	5.0	7.5	14.5	1.7	P7301-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D330
		25	31	39	77	5	500	11.5	4.9	7.5	14.5	1.6	P7302-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D390
		30	38	47	93	5	500	11.5	5.0	7.5	14.5	1.7	P7303-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D470
		35	45	56	110	5	500	11.5	5.1	7.5	14.5	1.8	P7304-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D560
		40	56	68	135	5	500	11.5	5.3	7.5	14.5	2.0	P7305-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D680
		50	65	82	135	25	2500	11.5	4.5	7.5	14.5	1.6	P7204-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D820
		60	85	100	165	25	2500	11.5	4.7	7.5	14.5	1.8	P7252-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D101
		75	100	120	200	25	2500	11.5	4.9	7.5	14.5	2.0	P7253-ND	.43	3.66	30.50	174.00	163.00/M	157.00/M	ERZ-V10D121
		95	125	150	250	25	2500	11.5	5.2	7.5	14.5	2.3	P7254-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D151
		130	170	200	340	25	2500	11.5	4.8	7.5	14.5	1.9	P7205-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D201
		140	180	220	360	25	2500	11.5	4.9	7.5	14.5	2.0	P7206-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D221
		150	200	240	395	25	2500	11.5	5.0	7.5	14.5	2.1	P7207-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D241
		175	225	270	455	25	2500	11.5	5.2	7.5	14.5	2.3	P7208-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D271
		210	270	330	545	25	2500	11.5	5.5	7.5	14.5	2.6	P7209-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D331
		230	300	360	595	25	2500	11.5	5.7	7.5	14.5	2.8	P7255-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D361
		250	320	390	650	25	2500	11.5	5.8	7.5	14.5	2.9	P7256-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D391
		275	350	430	710	25	2500	11.5	6.0	7.5	14.5	3.1	P7257-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D431

(Continued)

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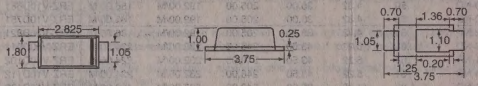
Type	Maximum Allowance Voltage (V) AC	DC	Varistor Volt. ±10% (V)	Max. Clamp Voltage @ Test Current (8/20µsec.) Vc(V)	Ip(A)	Surge Current (A)	Dimensions (mm) D Max.	T Max.	W ±1	H Max.	L ±1	Digi-Key Part No.	Pricing 1	10	100	1,000	5,000	10,000	Panasonic Part No.
	300	385	470	775	25	2500	11.5	6.2	7.5	14.5	3.3	P7210-ND	.37	3.17	26.38	150.00	141.00/M	136.00/M	ERZ-V10D471
	320	410	510	845	25	2500	11.5	6.4	7.5	14.5	3.5	P7211-ND	.50	4.32	36.00	205.00	192.00/M	186.00/M	ERZ-V10D511
	385	505	620	1025	25	2500	12.5	7.1	7.5	15.5	4.2	P7258-ND	.50	4.32	36.00	205.00	192.00/M	186.00/M	ERZ-V10D621
	420	560	680	1120	25	2500	12.5	7.4	7.5	15.5	4.5	P7259-ND	.50	4.32	36.00	205.00	192.00/M	186.00/M	ERZ-V10D681
D	460	615	750	1240	25	2500	12.5	7.8	7.5	15.5	4.9	P7260-ND	.50	4.32	36.00	205.00	192.00/M	186.00/M	ERZ-V10D751
Ser.V	510	670	820	1355	25	2500	12.5	8.1	7.5	15.5	5.2	P7212-ND	.50	4.32	36.00	205.00	192.00/M	186.00/M	ERZ-V10D821
	550	745	910	1500	25	2500	12.5	8.6	7.5	15.5	5.7	P7213-ND	.61	5.22	43.50	248.00	232.00/M	224.00/M	ERZ-V10D911
	625	825	1000	1650	25	2500	12.5	9.1	7.5	15.5	6.2	P7261-ND	.61	5.22	43.50	248.00	232.00/M	224.00/M	ERZ-V10D102
	680	895	1100	1815	25	2500	12.5	9.7	7.5	15.5	6.8	P7214-ND	.61	5.22	43.50	248.00	232.00/M	224.00/M	ERZ-V10D112
	1000	1465	1800	2970	25	2500	13.5	14.4	11.0	16.5	10.5	P7215-ND	1.33	11.40	95.00	542.00	507.00/M	490.00/M	ERZ-V10D182
	11	14	18	36	10	1000	15.5	4.6	7.5	18.5	1.3	P7306-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D180
	14	18	22	43	10	1000	15.5	4.7	7.5	18.5	1.4	P7307-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D220
	17	22	27	53	10	1000	15.5	4.8	7.5	18.5	1.5	P7308-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D270
	20	26	33	65	10	1000	15.5	5.0	7.5	18.5	1.7	P7309-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D330
	25	31	39	77	10	1000	15.5	4.9	7.5	18.5	1.6	P7310-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D390
	30	38	47	93	10	1000	15.5	5.0	7.5	18.5	1.7	P7311-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D470
	35	45	56	110	10	1000	15.5	5.1	7.5	18.5	1.8	P7312-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D560
	40	56	68	135	10	1000	15.5	5.3	7.5	18.5	2.0	P7313-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D680
	50	65	82	135	50	4500	15.5	4.5	7.5	18.5	1.6	P7216-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D820
	60	85	100	165	50	4500	15.5	4.7	7.5	18.5	1.8	P7262-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D101
	75	100	120	200	50	4500	15.5	4.9	7.5	18.5	2.0	P7263-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D121
	95	125	150	250	50	4500	15.5	5.2	7.5	18.5	2.3	P7264-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D151
	130	170	200	340	50	4500	15.5	4.8	7.5	18.5	1.9	P7217-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D201
	140	180	220	360	50	4500	15.5	4.9	7.5	18.5	2.0	P7218-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D221
D	150	200	240	395	50	4500	15.5	5.0	7.5	18.5	2.1	P7219-ND	.49	4.23	35.25	200.93	188.00/M	182.00/M	ERZ-V14D241
Ser.V	175	225	270	455	50	4500	15.5	5.2	7.5	18.5	2.3	P7220-ND	.49	4.23	35.25	201.00	188.00/M	182.00/M	ERZ-V14D271
	210	270	330	545	50	4500	15.5	5.5	7.5	18.5	2.6	P7221-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D331
	230	300	360	595	50	4500	15.5	5.7	7.5	18.5	2.8	P7265-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D361
	250	320	390	650	50	4500	15.5	5.8	7.5	18.5	2.9	P7266-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D391
	275	350	430	710	50	4500	15.5	6.0	7.5	18.5	3.1	P7267-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D431
	300	385	470	775	50	4500	15.5	6.2	7.5	18.5	3.3	P7222-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D471
	320	410	510	845	50	4500	15.5	6.4	7.5	18.5	3.5	P7223-ND	.60	5.12	42.63	243.00	227.00/M	220.00/M	ERZ-V14D511
	385	505	620	1025	50	4500	16.0	7.1	7.5	19.0	4.2	P7268-ND	.91	7.83	65.25	372.00	348.00/M	337.00/M	ERZ-V14D621
	420	560	680	1120	50	4500	16.0	7.4	7.5	19.0	4.5	P7269-ND	.91	7.83	65.25	372.00	348.00/M	337.00/M	ERZ-V14D681
	460	615	750	1240	50	4500	16.0	7.8	7.5	19.0	4.9	P7270-ND	.94	8.06	67.13	383.00	358.00/M	346.00/M	ERZ-V14D751
	510	670	820	1355	50	4500	16.0	8.1	7.5	19.0	5.2	P7224-ND	.94	8.06	67.13	383.00	358.00/M	346.00/M	ERZ-V14D821
	550	745	910	1500	50	4500	16.0	8.6	7.5	19.0	5.7	P7225-ND	1.28	10.95	91.25	520.00	487.00/M	471.00/M	ERZ-V14D911
	625	825	1000	1650	50	4500	16.0	9.1	7.5	19.0	6.2	P7271-ND	1.28	10.95	91.25	520.00	487.00/M	471.00/M	ERZ-V14D102
	680	895	1100	1815	50	4500	16.0	9.7	7.5	19.0	6.8	P7226-ND	1.28	10.95	91.25	520.00	487.00/M	471.00/M	ERZ-V14D112
	1000	1465	1800	2970	50	4500	17.0	14.4	15.0	20.5	10.5	P7227-ND	1.99	17.04	142.00	809.00	757.00/M	733.00/M	ERZ-V14D182
	11	14	18	36	20	2000	21.5	5.1	10.0	24.5	1.5	P7314-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D180
	14	18	22	43	20	2000	21.5	5.2	10.0	24.5	1.6	P7315-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D220
	17	22	27	53	20	2000	21.5	5.3	10.0	24.5	1.7	P7316-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D270
	20	26	33	65	20	2000	21.5	5.5	10.0	24.5	1.9	P7317-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D330
	25	31	39	77	20	2000	21.5	5.5	10.0	24.5	1.9	P7318-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D390
	30	38	47	93	20	2000	21.5	5.6	10.0	24.5	2.0	P7319-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D470
	35	45	56	110	20	2000	21.5	5.7	10.0	24.5	2.1	P7320-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D560
	40	56	68	135	20	2000	21.5	5.8	10.0	24.5	2.2	P7321-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D680
	50	65	82	135	100	6500	21.5	4.9	10.0	24.5	1.8	P7228-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D820
	60	85	100	165	100	6500	21.5	5.1	10.0	24.5	2.0	P7272-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D101
	75	100	120	200	100	6500	21.5	5.3	10.0	24.5	2.2	P7273-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D121
	95	125	150	250	100	6500	21.5	5.6	10.0	24.5	2.5	P7274-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D151
	130	170	200	340	100	6500	21.5	5.2	7.5	24.5	2.1	P7322-ND	1.14	9.75	81.25	463.00	433.00/M	419.00/M	ERZ-V20R201
	130	170	200	340	100	6500	21.5	5.2	10.0	24.5	2.1	P7229-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D201
	140	180	220	360	100	6500	21.5	5.3	7.5	24.5	2.2	P7323-ND	.85	7.29	60.75	346.00	324.00/M	313.00/M	ERZ-V20R221
	140	180	220	360	100	6500	21.5	5.3	10.0	24.5	2.2	P7230-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D221
	150	200	240	395	100	6500	21.5	5.4	7.5	24.5	2.3	P7324-ND	.85	7.29	60.75	346.28	324.00/M	313.47/M	ERZ-V20R241
	150	200	240	395	100	6500	21.5	5.4	10.0	24.5	2.3	P7231-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D241
	175	225	270	455	100	6500	21.5	5.6	7.5	24.5	2.5	P7325-ND	.85	7.29	60.75	346.28	324.00/M	313.47/M	ERZ-V20R271
D	175	225	270	455	100	6500	21.5	5.6	10.0	24.5	2.5	P7232-ND	.75	6.47	53.88	307.00	287.00/M	278.00/M	ERZ-V20D271
Ser.V	210	270	330	545	100	6500	21.5	5.9	7.5	24.5	2.8	P7326-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R331
	210	270	330	545	100	6500	21.5	5.9	10.0	24.5	2.8	P7233-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D331
	230	300	360	595	100	6500	21.5	6.1	7.5	24.5	3.0	P7327-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R361
	230	300	360	595	100	6500	21.5	6.1	10.0	24.5	3.0	P7275-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D361
	250	320	390	650	100	6500	21.5	6.2	7.5	24.5	3.1	P7328-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R391
	250	320	390	650	100	6500	21.5	6.2	10.0	24.5	3.1	P7276-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D391
	275	350	430	710	100	6500	21.5	6.4	7.5	24.5	3.3	P7329-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R431
	275	350	430	710	100	6500	21.5	6.4	10.0	24.5	3.3	P7277-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D431
	300	385	470	775	100	6500	21.5	6.6	7.5	24.5	3.5	P7330-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R471
	300	385	470	775	100	6500	21.5	6.6	10.0	24.5	3.5	P7234-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D471
	320	410	510	845	100	6500	21.5	6.8	7.5	24.5	3.7	P7331-ND	1.26	10.77	89.75	511.58	478.67/M	463.11/M	ERZ-V20R511
	320	410	510	845	100	6500	21.5	6.8	10.0	24.5	3.7	P7235-ND	1.12	9.57	79.75	455.00	425.00/M	412.00/M	ERZ-V20D511
	385	505	620	1025	100	6500	22.5	7.5	10.0	25.5	4.4	P7278-ND	1.84	15.74	131.13	747.00	699.00/M	677.00/M	ERZ-V20D621
	420	560	680	1120	100	6500	22.5	7.8	10.0	25.5	4.7	P7279-ND	1.84	15.74	131.13	747.00	699.00/M	677.00/M	ERZ-V20D681
	460	615	750	1240	100	6500	22.5	8.2	10.0	25.5	5.1	P7280-ND	1.84	15.74	131.13	747.00	699.00/M	677.00/M	ERZ-V20D751
	510	670	820	1355	100	6500	22.5	8.5	10.0	25.5	5.4	P7236-ND	1.84	15.74	131.13	747.00	699.00/M	677.00/M	ERZ-V20D821
	550	745	910	1500	100	6500	22.5	9.0	10.0	25.5	5.9	P7237-ND	2.43	20.79	173.25	988.00	924.00/M	894.00/M	ERZ-V20D911
	625	825	1000	1650	100	6500	22.5	9.5	10.0	25.5	6.4	P7281-ND	2.43	20.79	173.25	988.00	924.00/M	894.00/M	ERZ-V20D102
	680	895	1100	1815	100	6500	22.5	10.1	10.0	25.5	7.0	P7238-ND	2.43	20.79	173.25	988.00	924.00/M	894.00/M	ERZ-V20D112
	1000	1465	1800	2970	100	6500	23.5	14.8	15.0	28.0	10.7	P7239-ND	3.77	32.31	269.25	1535.00	1436.00/M	1389.00/M	ERZ-V20D182
D	140	180	220	360	10	1200	9.0	5.3	5.0	12.0	2.1	P7066-ND	.46	3.90	32.50	185.00	173.00/M	168.00/M	ERZ-C07DK221U
D	95	125	150	250	25	2500	13.5	5.5	7.5	16.5	2.2	P7057-ND	.63	5.40	45.00	257.00	240.00/M	232.00/M	ERZ-C10DK151
D	60	85	100	165	100	6500	23.0	5.6	10.0	27.0	2.0	P7049-ND	1.13	9.69	80.75	460.00	431.00/M	417.00/M	ERZ-C20DK101
	385	505	620	1025	100	6500	24.0	7.6	10.0	28.0	4.1	P7102-ND	2.65	22.68	189.00	1077.00	1008.00/M	975.00/M	ERZ-C20DK621U
	130	170	200	340	100	8000	—	—	48.0	42.0	39.0	P7126-ND	20.58	176.40	1470.00	8379.00	7840.00/M	7585.00/M	ERZ-C20EK201
E	150	200	240	395	100	8000	—	—	48.0	42.0	39.0	P7127-ND	20.58	176.40	1470.00	8379.00	7840.00/M	7585.00/M	ERZ-C20EK241
	250	320	390	650	100	8000	—	—	48.0	42.0	39.0	P7128-ND	24.50	210.00	1750.00	9975.00	9333.00/M	9030.00/M	ERZ-C20EK391
	130	170	200	340	150	15000	—	—	60.0	55.0	51.0	P7129-ND	36.72	314.73	2622.75	14950.00	13988.00/M	13533.00/M	ERZ-C25EK201
E	510	670	820	1355	150	15000	—	—	60.0	55.0	51.0	P7157-ND	45.17	387.15	3226.25	18390.00	17207.00/M	16647.00/M	ERZ-C25EK821
	130	170	200	340	200	25000	—	—	60.0	55.0	51.0	P7132-ND	45.54	390.30	3252.50	18539.00	17347.00/M	16783.00/M	ERZ-C32EK201
	150	200	240	395	200	25000	—	—	60.0	55.0	51.0	P7133-ND	45.54	390.30	3252.50	18539.00	17347.00/M	16783.00/M	ERZ-C32EK241
E	250	320	390	650	200	25000	—	—	60.0	55.0	51.0	P7134-ND	47.36	405.90	3382.50	19280.00	18040.00/M	17454.00/M	ERZ-C32EK391
	550	1500	910	1500	200	25000	—	—	60.0	55.0	51.0	P7135-ND	62.69	537.30	4477.50	25522.00	23880.00/M	23104.00/M	ERZ-C32EK911

Transient Voltage Suppressors

Applications: These TVS devices afford the circuit designer an economic means to protect voltage sensitive circuit components from the destructive effects of applied transient voltages, featuring virtually instantaneous response times of one picosecond. **Features:** • Fast Response Time: One picosecond • Glass Passivated Die Construction **Mechanical Data:** • **Case:** Transfer molded epoxy • **Case Material:** UL Flammability Classification Rating 94V-0 • **Leads:** Solderable per MIL-STD-202, Method 208 • **Soldering Temperature:** 260°C maximum, 3/8" (9.53mm) from body, 10 seconds • **Marking:** Type number and cathode band

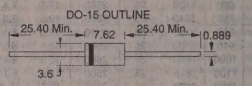
225 Watts



Maximum Ratings:

• Peak Pulse Power Dissipation 10/1000µs @ 25°C: 225W • Steady State Power Dissipation: 1.0W • Forward Surge Current, 8.3ms @ 25°C: 50A • Uni-directional • Storage and Operating Temperature: -65°C ~ 150°C

500 Watts and 600 Watts



Maximum Ratings:

• Peak Pulse Power Dissipation @ 25°C: 500W and 600W • Steady State Power Dissipation @ 75°C lead temperature, 3/8" (9.53mm) from body: 2.5W • Clamping Time (0V~BV min.): Uni-directional: < $1x10^{-12}$ seconds; Bi-directional: < $5x10^{-9}$ seconds • Storage and Operating Temperature: -65°C ~ 175°C

Breakdown Voltage VBR @ IT Min.	Nom.	Max.	IT (mADC)	Rated Standoff Voltage (Vwm)	Reverse DC Leakage Current @ Vwm (µA)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Diodes Part No.
225 Watts, Uni-Directional (PowerDI123) — RoHS Compliant													
6.4	—	7.00	10	5.0	400	DFLT5V0ADICT-ND	1.08	8.64	64.80	DFLT5V0ADITR-ND	3,000	342.00/M	DFLT5V0A-7
6.67	—	7.37	10	6.0	400	DFLT6V0ADICT-ND	1.08	8.64	64.80	DFLT6V0ADITR-ND	3,000	342.00/M	DFLT6V0A-7
7.22	—	7.98	10	6.5	250	DFLT6V5ADICT-ND	1.08	8.64	64.80	DFLT6V5ADITR-ND	3,000	342.00/M	DFLT6V5A-7
8.33	—	9.21	1.0	7.5	50	DFLT7V5ADICT-ND	1.08	8.64	64.80	DFLT7V5ADITR-ND	3,000	342.00/M	DFLT7V5A-7
8.89	—	9.83	1.0	8.0	25	DFLT8V0ADICT-ND	1.08	8.64	64.80	DFLT8V0ADITR-ND	3,000	342.00/M	DFLT8V0A-7
11.1	—	12.3	1.0	10	2.5	DFLT10ADICT-ND	1.08	8.64	64.80	DFLT10ADITR-ND	3,000	342.00/M	DFLT10A-7
12.2	—	13.5	1.0	11	2.5	DFLT11ADICT-ND	1.08	8.64	64.80	DFLT11ADITR-ND	3,000	342.00/M	DFLT11A-7
13.3	—	14.7	1.0	12	2.5	DFLT12ADICT-ND	1.08	8.64	64.80	DFLT12ADITR-ND	3,000	342.00/M	DFLT12A-7
14.4	—	15.9	1.0	13	1.0	DFLT13ADICT-ND	1.08	8.64	64.80	DFLT13ADITR-ND	3,000	342.00/M	DFLT13A-7
16.7	—	18.5	1.0	15	1.0	DFLT15ADICT-ND	1.08	8.64	64.80	DFLT15ADITR-ND	3,000	342.00/M	DFLT15A-7
18.9	—	20.9	1.0	17	1.0	DFLT17ADICT-ND	.81	6.48	48.60	DFLT17ADITR-ND	3,000	257.00/M	DFLT17A-7
20.0	—	22.1	1.0	18	1.0	DFLT18ADICT-ND	1.08	8.64	64.80	DFLT18ADITR-ND	3,000	342.00/M	DFLT18A-7
26.7	—	29.5	1.0	24	1.0	DFLT24ADICT-ND	1.08	8.64	64.80	DFLT24ADITR-ND	3,000	342.00/M	DFLT24A-7
30	—	33.15	1.0	27	1.0	DFLT27ADICT-ND	1.08	8.64	64.80	DFLT27ADITR-ND	3,000	342.00/M	DFLT27A-7
44.4	—	49.1	1.0	40	1.0	DFLT40ADICT-ND	1.08	8.64	64.80	DFLT40ADITR-ND	3,000	342.00/M	DFLT40A-7
56.7	—	62.7	1.0	51	1.0	DFLT51ADICT-ND	1.08	8.64	64.80	DFLT51ADITR-ND	3,000	342.00/M	DFLT51A-7
500 Watts, Uni-Directional (DO-15)													
6.4	—	7.00	10	5.0	600	SA5V0ADICT-ND	.47	3.72	27.90	SA5V0ADITR-ND	4,000	140.00/M	SA5V0A-T
6.4	—	7.00	10	5.0	600	SA5V0A-FDICT-ND◊	.47	3.72	27.90	SA5V0A-FDITR-ND◊	4,000	140.00/M	SA5V0A-T-F
6.67	—	7.37	10	6.0	600	SA6V0ADICT-ND	.47	3.72	27.90	SA6V0ADITR-ND	4,000	140.00/M	SA6V0ADI
6.67	—	7.37	10	6.0	600	SA6V0A-FDICT-ND◊	.47	3.72	27.90	SA6V0A-FDITR-ND◊	4,000	140.00/M	SA6V0A-T-F
7.22	—	7.98	10	6.5	400	SA6V5ADICT-ND	.47	3.72	27.90	SA6V5ADITR-ND	4,000	140.00/M	SA6.5ADI
11.1	—	12.3	1	10	3	SA10ADICT-ND	.47	3.72	27.90	SA10ADITR-ND	4,000	140.00/M	SA10ADI
13.3	—	14.7	1	12	3	SA12ADICT-ND	.47	3.72	27.90	SA12ADITR-ND	4,000	140.00/M	SA12ADI
16.7	—	18.5	1	15	3	SA15ADICT-ND	.47	3.72	27.90	SA15ADITR-ND	4,000	140.00/M	SA15ADI
22.2	—	24.5	1	20	3	SA20ADICT-ND	.47	3.72	27.90	SA20ADITR-ND	4,000	140.00/M	SA20ADI
33.3	—	36.8	1	30	3	SA30ADICT-ND	.47	3.72	27.90	SA30ADITR-ND	4,000	140.00/M	SA30ADI
500 Watts, Bi-Directional (DO-15)													
6.67	—	7.37	10	6.0	600	SA6V0CADICT-ND	.56	4.44	33.30	SA6V0CADITR-ND	4,000	167.00/M	SA6.0CADI
7.22	—	7.98	10	6.5	400	SA6V5CADICT-ND	.56	4.44	33.30	SA6V5CADITR-ND	4,000	167.00/M	SA6.5CADI
11.1	—	12.3	1	10	3	SA10CADICT-ND	.56	4.44	33.30	SA10CADITR-ND	4,000	167.00/M	SA10CADI
13.3	—	14.7	1	12	3	SA12CADICT-ND	.56	4.44	33.30	SA12CADITR-ND	4,000	167.00/M	SA12CADI
16.7	—	18.5	1	15	3	SA15CADICT-ND	.56	4.44	33.30	SA15CADITR-ND	4,000	167.00/M	SA15CADI
22.2	—	24.5	1	20	3	SA20CADICT-ND	.56	4.44	33.30	SA20CADITR-ND	4,000	167.00/M	SA20CADI
33.3	—	36.8	1	30	3	SA30CADICT-ND	.56	4.44	33.30	SA30CADITR-ND	4,000	167.00/M	SA30CADI
600 Watts, Uni-Directional (DO-15)													
6.45	6.8	7.14	10	5.8	1000	P6KE6.8ADICT-ND	.47	3.72	27.90	P6KE6.8ADITR-ND	4,000	140.00/M	P6KE6.8A
6.45	6.8	7.14	10	5.8	1000	P6KE6.8A-FDICT-ND◊	.47	3.72	27.90	P6KE6.8A-FDITR-ND◊	4,000	140.00/M	P6KE6.8A-T-F
7.13	7.5	7.88	10	6.4	500	P6KE7.5ADICT-ND	.47	3.72	27.90	P6KE7.5ADITR-ND	4,000	140.00/M	P6KE7.5A
7.79	8.2	8.61	10	7.02	200	P6KE8.2ADICT-ND	.47	3.72	27.90	P6KE8.2ADITR-ND	4,000	140.00/M	P6KE8.2A
9.5	10.0	10.5	1	8.55	10	P6KE10ADICT-ND	.47	3.72	27.90	P6KE10ADITR-ND	4,000	140.00/M	P6KE10A
11.4	12.0	12.6	1	10.2	5	P6KE12ADICT-ND	.47	3.72	27.90	P6KE12ADITR-ND	4,000	140.00/M	P6KE12A
14.3	15.0	15.8	1	12.8	5	P6KE15ADICT-ND	.47	3.72	27.90	P6KE15ADITR-ND	4,000	140.00/M	P6KE15A
19.0	20.0	21.0	1	17.1	5	P6KE20ADICT-ND	.47	3.72	27.90	P6KE20ADITR-ND	4,000	140.00/M	P6KE20A
22.8	24.0	25.2	1	20.5	5	P6KE24ADICT-ND	.47	3.72	27.90	P6KE24ADITR-ND	4,000	140.00/M	P6KE24A
25.7	27.0	28.4	1	23.1	5	P6KE27ADICT-ND	.47	3.72	27.90	P6KE27ADITR-ND	4,000	140.00/M	P6KE27A
28.5	30.0	31.5	1	25.5	5	P6KE30ADICT-ND	.47	3.72	27.90	P6KE30ADITR-ND	4,000	140.00/M	P6KE30A
31.4	33.0	34.7	1	28.2	5	P6KE33ADICT-ND	.47	3.72	27.90	P6KE33ADITR-ND	4,000	140.00/M	P6KE33A
48.5	51.0	53.6	1	43.6	5	P6KE51ADICT-ND	.47	3.72	27.90	P6KE51ADITR-ND	4,000	140.00/M	P6KE51A
64.6	68.0	71.4	1	58.1	5	P6KE68ADICT-ND	.47	3.72	27.90	P6KE68ADITR-ND	4,000	140.00/M	P6KE68A
600 Watts, Bi-Directional (DO-15)													
6.45	6.8	7.14	10	5.8	1000	P6KE6.8CADICT-ND	.56	4.44	33.30	P6KE6.8CADITR-ND	4,000	167.00/M	P6KE6.8CA
7.13	7.5	7.88	10	6.4	500	P6KE7.5CADICT-ND	.56	4.44	33.30	P6KE7.5CADITR-ND	4,000	167.00/M	P6KE7.5CA
7.79	8.2	8.61	10	7.02	200	P6KE8.2CADICT-ND	.56	4.44	33.30	P6KE8.2CADITR-ND	4,000	167.00/M	P6KE8.2CA
9.5	10.0	10.5	1	8.55	10	P6KE10CADICT-ND	.56	4.44	33.30	P6KE10CADITR-ND	4,000	167.00/M	P6KE10CA
11.4	12.0	12.6	1	10.2	5	P6KE12CADICT-ND	.56	4.44	33.30	P6KE12CADITR-ND	4,000	167.00/M	P6KE12CA
14.3	15.0	15.8	1	12.8	5	P6KE15CADICT-ND	.56	4.44	33.30	P6KE15CADITR-ND	4,000	167.00/M	P6KE15CA
19.0	20.0	21.0	1	17.1	5	P6KE20CADICT-ND	.56	4.44	33.30	P6KE20CADITR-ND	4,000	167.00/M	P6KE20CA
22.8	24.0	25.2	1	20.5	5	P6KE24CADICT-ND	.56	4.44	33.30	P6KE24CADITR-ND	4,000	167.00/M	P6KE24CA
25.7	27.0	28.4	1	23.1	5	P6KE27CADICT-ND	.56	4.44	33.30	P6KE27CADITR-ND	4,000	167.00/M	P6KE27CA
28.5	30.0	31.5	1	25.5	5	P6KE30CADICT-ND	.56	4.44	33.30	P6KE30CADITR-ND	4,000	167.00/M	P6KE30CA
31.4	33.0	34.7	1	28.2	5	P6KE33CADICT-ND	.56	4.44	33.30	P6KE33CADITR-ND	4,000	167.00/M	P6KE33CA
48.5	51.0	53.6	1	43.6	5	P6KE51CADICT-ND	.56	4.44	33.30	P6KE51CADITR-ND	4,000	167.00/M	P6KE51CA
64.6	68.0	71.4	1	58.1	5	P6KE68CADICT-ND	.56	4.44	33.30	P6KE68CADITR-ND	4,000	167.00/M	P6KE68CA
95.0	100.0	105.0	1	85.5	5	P6KE100CADICT-ND	.56	4.44	33.30	P6KE100CADITR-ND	4,000	167.00/M	P6KE100CA
143.0	150.0	158.0	1	128.0	5	P6KE150CADICT-ND	.56	4.44	33.30	P6KE150CADITR-ND	4,000	167.00/M	P6KE150CA

◊ *RoHS Compliant*

More Product Available Online: www.digikey.com
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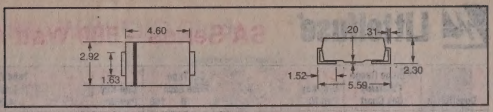
MAJ (J-Bend) 400 Watt
rface Mount TVS

RoHS COMPLIANT

ion	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)	Direction Type	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)
i	5.0	6.40	7.25	800	Uni/Bi	28	31.1	34.4	5.0
i	6.0	6.67	7.37	800	Uni/Bi	30	33.3	36.8	5.0
i	6.5	7.22	7.98	500	Uni/Bi	33	36.7	40.6	5.0
i	7.0	7.78	8.60	200	Uni/Bi	36	40.0	44.2	5.0
i	7.5	8.33	9.21	100	Uni/Bi	40	44.4	49.1	5.0
i	8.0	8.89	9.83	50	Uni/Bi	43	47.8	52.8	5.0
i	8.5	9.44	10.4	10	Uni/Bi	45	50.0	55.3	5.0
i	9.0	10.0	11.1	5.0	Uni/Bi	48	53.3	58.9	5.0
i	10	11.1	12.3	5.0	Uni/Bi	60	66.7	73.7	5.0
i	11	12.2	13.5	5.0	Uni/Bi	64	71.1	78.6	5.0
i	12	13.3	14.7	5.0	Uni/Bi	70	77.8	86.0	5.0
i	13	14.4	15.9	5.0	Uni/Bi	75	83.3	92.1	5.0
i	14	15.6	17.2	5.0	Uni/Bi	78	86.7	95.8	5.0
i	15	16.7	18.5	5.0	Uni/Bi	85	94.4	104	5.0
i	16	17.8	19.7	5.0	Uni/Bi	90	100	111	5.0
i	17	18.9	20.9	5.0	Uni/Bi	100	111	123	5.0
i	18	20.0	22.1	5.0	Uni/Bi	110	122	135	5.0
i	20	22.2	24.5	5.0	Uni/Bi	120	133	147	5.0
i	22	24.4	26.9	5.0	Uni/Bi	130	144	159	5.0
i	24	26.7	29.5	5.0	Uni/Bi	150	167	185	5.0
i	26	28.9	25.3	5.0	Uni/Bi	160	178	197	5.0
						170	189	209	5.0



Features:
• 400W Peak Pulse Power Dissipation • 5.0V - 170V Stand-Off Voltages • Glass Passivated Die Construction • Uni/Bi = Uni- and Bi-directional versions available; Uni = Only available in Uni-directional version; Bi = Only available in Bi-directional version • Excellent clamping capability • Fast response time

Mechanical Data:
• **Case:** SMA, Transfer molded epoxy • **Case Material:** UL Flammability Classification Rating 94V-0
• **Terminals:** Solderable per MIL-STD-202, Method 208

• ***Note: Contact www.digikey.com for current availability on RoHS compliant parts***

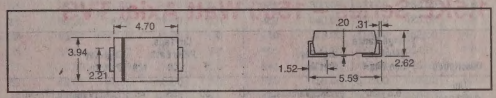
Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 5,000
		Uni-Directional				
6.0 - 170	SMAJ(Value)ADICT-ND	.68	.55	.41	SMAJ(Value)ADITR-ND	217.00/M
5.0 - 170	SMAJ(Value)A-FDICT-ND◊	.77	.62	.46	SMAJ(Value)A-FDITR-ND◊	230.00/M
		Bi-Directional				
5.0 - 170	SMAJ(Value)CADICT-ND	.76	.61	.46	SMAJ(Value)CADITR-ND	242.00/M
5.0 - 170	SMAJ(Value)CA-FDICT-ND◊	.86	.69	.52	SMAJ(Value)CA-FDITR-ND◊	257.00/M

◊ ***RoHS Compliant***

MBJ (J-Bend) 600 Watt
rface Mount TVS

RoHS COMPLIANT

ion	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)	Direction Type	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)
Bi	5.0	6.40	7.23	800	Uni/Bi	33	36.70	42.20	5.0
Bi	6.0	6.67	7.67	800	Uni/Bi	36	40.00	46.00	5.0
Bi	6.5	7.22	9.14	1000	Uni/Bi	40	44.40	51.10	5.0
Bi	7.0	7.78	8.95	200	Uni	43	47.80	54.90	5.0
Bi	7.5	8.33	9.58	100	Uni/Bi	45	50.00	57.50	5.0
Bi	8.0	8.89	10.23	50	Uni/Bi	48	53.30	61.30	5.0
Bi	8.5	9.44	10.82	10	Uni/Bi	51	56.70	65.20	5.0
Bi	9.0	10.00	11.50	5.0	Uni/Bi	54	60.00	69.00	5.0
Bi	10	11.1	12.8	5.0	Uni/Bi	58	64.40	74.60	5.0
Bi	11	12.20	14.40	5.0	Uni/Bi	60	66.70	76.70	5.0
Bi	12	13.3	15.3	5.0	Uni/Bi	64	71.10	81.80	5.0
Bi	13	14.4	16.5	5.0	Uni/Bi	70	77.80	89.50	5.0
Bi	14	15.60	17.90	5.0	Uni/Bi	75	83.30	95.80	5.0
Bi	15	16.7	19.2	5.0	Uni/Bi	78	86.70	99.70	5.0
Bi	16	17.80	20.50	5.0	Uni/Bi	85	94.40	108.20	5.0
Bi	17	18.9	21.7	5.0	Uni/Bi	90	100.0	115.50	5.0
Bi	18	20.0	24.4	5.0	Uni/Bi	100	111.0	128.00	5.0
Bi	20	22.2	25.5	5.0	Uni/Bi	110	122.0	140.00	5.0
Bi	22	24.40	28.00	5.0	Uni/Bi	120	133.0	153.00	5.0
Bi	24	26.7	30.7	5.0	Uni/Bi	130	144.0	165.50	5.0
Bi	26	28.9	33.2	5.0	Uni/Bi	150	167.0	192.50	5.0
Bi	28	31.10	35.80	5.0	Uni/Bi	160	178.0	205.00	5.0
Bi	30	33.30	38.30	5.0	Uni/Bi	170	189.0	217.50	5.0



Features:
• 600W Peak Pulse Power Dissipation • 5.0V - 170V Stand-Off Voltages • Glass Passivated Die Construction • Uni/Bi = Uni- and Bi-directional versions available; Uni = Only available in Uni-directional version • Excellent clamping capability • Fast response time • 100% tested at rated peak pulse power

Mechanical Data:
• **Case:** SMB, Transfer molded epoxy • **Case Material:** UL Flammability Classification Rating 94V-0 • **Terminals:** Solderable per MIL-STD-202, Method 208

• ***Note: Contact www.digikey.com for current availability on RoHS compliant parts***

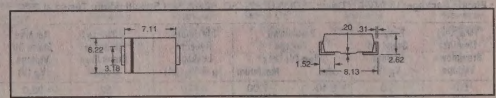
Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
		Uni-Directional				
6.0 - 170	SMBJ(Value)ADICT-ND	.89	.71	.54	SMBJ(Value)ADITR-ND	351.00/M
5.0 - 170	SMBJ(Value)A-FDICT-ND◊	1.01	.88	.68	SMBJ(Value)A-FDITR-ND◊	359.00/M
		Bi-Directional				
5.0 - 170	SMBJ(Value)CADICT-ND	.96	.76	.58	SMBJ(Value)CADITR-ND	377.00/M
5.0 - 170	SMBJ(Value)CA-FDICT-ND◊	1.09	.95	.73	SMBJ(Value)CA-FDITR-ND◊	386.00/M

◊ ***RoHS Compliant***

MCJ (J-Bend) 1500 Watt
rface Mount TVS

RoHS COMPLIANT

tion e	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)	Direction Type	(Value) Reverse Standoff Voltage Vrwm (Volts)	Breakdown Voltage (VBR) Min.	Max.	Max. Reverse Leakage @ Vrwm IR (µA)
Bi	5.0	6.40	7.25	1000	Uni/Bi	33	36.70	42.20	5.0
Bi	6.0	6.67	7.67	1000	Uni/Bi	36	40.00	46.00	5.0
Bi	6.5	7.22	8.30	500	Uni/Bi	40	44.40	51.10	5.0
Bi	7.0	7.78	8.60	200	Uni/Bi	43	47.80	54.90	5.0
Bi	7.5	8.33	9.58	100	Uni/Bi	45	50.00	57.50	5.0
Bi	8.0	8.89	10.23	50	Uni/Bi	48	53.30	58.9	5.0
Bi	8.5	9.44	10.82	20	Uni/Bi	51	56.70	65.20	5.0
Bi	9.0	10.00	11.50	10	Uni/Bi	54	60.00	69.00	5.0
Bi	10	11.10	12.80	5.0	Uni/Bi	58	64.40	71.2	5.0
Bi	11	12.20	14.40	5.0	Uni/Bi	60	66.70	73.7	5.0
Bi	12	13.30	15.30	5.0	Uni/Bi	64	71.10	78.6	5.0
Bi	13	14.40	16.50	5.0	Uni/Bi	70	77.80	89.50	5.0
Bi	14	15.60	17.2	5.0	Uni/Bi	75	83.30	95.80	5.0
Bi	15	16.70	19.20	5.0	Uni/Bi	78	86.70	99.70	5.0
Bi	16	17.80	20.50	5.0	Uni/Bi	85	94.40	108.20	5.0
Bi	17	18.90	21.70	5.0	Uni/Bi	90	100	111	5.0
Bi	18	20.00	23.30	5.0	Uni/Bi	100	111	123	5.0
Bi	20	22.20	25.50	5.0	Uni/Bi	110	122	135	5.0
Bi	22	24.40	27.00	5.0	Uni/Bi	120	133	147	5.0
Bi	24	26.70	30.70	5.0	Uni/Bi	130	144	159	5.0
Bi	26	28.90	31.9	5.0	Uni/Bi	150	167	185	5.0
Bi	28	31.10	35.80	5.0	Uni/Bi	160	178	197	5.0
Bi	30	33.30	38.30	5.0	Uni/Bi	170	189	209	5.0



Features:
• 1500W Peak Pulse Power Dissipation • 5.0V - 170V Stand-Off Voltages • Glass Passivated Die Construction • Uni/Bi = Uni- and Bi-directional versions available • Excellent clamping capability • Fast response time

Mechanical Data:
• **Case:** SMC, Transfer molded epoxy • **Case Material:** UL Flammability Classification Rating 94V-0
• **Terminals:** Solderable per MIL-STD-202, Method 208

• ***Note: Contact www.digikey.com for current availability on RoHS compliant parts***

Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 3,000
		Uni-Directional				
5.0 - 170	SMCJ(Value)ADICT-ND	1.25	.99	.76	SMCJ(Value)ADITR-ND	494.00/M
5.0 - 170	SMCJ(Value)A-FDICT-ND◊	1.43	1.24	.95	SMCJ(Value)A-FDITR-ND◊	505.00/M
		Bi-Directional				
5.0 - 170	SMCJ(Value)CADICT-ND	1.39	1.10	.84	SMCJ(Value)CADITR-ND	546.00/M
5.0 - 170	SMCJ(Value)CA-FDICT-ND◊	1.58	1.37	1.05	SMCJ(Value)CA-FDITR-ND◊	559.00/M

◊ ***RoHS Compliant***

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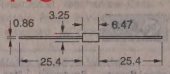
Littelfuse SA Series – 500 Watt Axial TVS

Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 4,000
Uni-directional	5.0 – 33	SA(Value)ALFCT-ND	.40	.36	.30	SA(Value)ALFTR-ND*	133.65/M
Bi-directional	6.0 – 33	SA(Value)CALFCT-ND	.44	.40	.33	SA(Value)CALFTR-ND	165.00/M

* 5000 piece Tape and Reel for value 16



RoHS COMPLIANT

Improved 500W TVS diodes that can handle 1.0 watt steady state with improved reverse leakage characteristics. 100% surge tested. Use for applications requiring surge protection of sensitive electronic components. Marking: Cathode band – positive terminal (Uni-directional only), device code and logo.

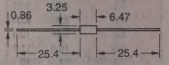
(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	Maximum Reverse Leakage I_R @ V_R (µ
5.0	5.0	6.40	7.00	600.0
6.0	6.0	6.67	7.37	600.0
12	12.0	13.30	14.70	3.0
15	15.0	16.70	18.50	3.0
16*	16.0	17.80	19.70	3.0
33	33.0	36.70	40.60	3.0

P6KE Series – 600 Watt Axial TVS

Protects sensitive electronics against voltage transients induced by ESD, inductive load switching and lighting. Ideal for protection of I/O interfaces, Vcc bus and other power supply circuits. Marking: Cathode band – positive terminal (Uni-directional only), device code and logo.

Features: • Glass passivated junction • Excellent clamping capability • Uni-directional and Bi-directional • 100% surge tested • UL listed

RoHS COMPLIANT



Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 4,000
Uni-directional	6.8 – 68	P6KE(Value)ALFCT-ND	.34	.31	.26	P6KE(Value)ALFTR-ND*	127.50/M
Bi-directional	6.8 – 68	P6KE(Value)CALFCT-ND	.38	.35	.29	P6KE(Value)CALFTR-ND	142.50/M

* 5,000 piece Tape and Reel for values 9.1 and 24

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	Maximum Reverse Leakage I_R @ V_R (µA)
6.8	5.80	6.45	7.14	1000.0
7.5	6.40	7.13	7.88	500.0
9.1*	7.78	8.65	9.55	50.0
10	8.55	9.50	10.50	10.0
12	10.20	11.40	12.60	5.0
13	11.10	12.40	13.70	5.0
15	12.80	14.30	15.80	5.0
16	13.60	15.20	16.80	5.0

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	Maximu Reverse Leakag I_R @ V_R (
18	15.3	17.10	18.90	5.0
20	17.1	19.00	21.00	5.0
24*	20.5	22.80	25.20	5.0
27	23.1	25.70	28.40	5.0
30	25.6	28.50	31.50	5.0
33	28.2	31.40	34.70	5.0
68	58.1	64.60	71.40	5.0

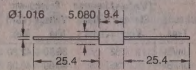
1.5KE Series – 1500 Watt Axial TVS

Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 1,200
Uni-directional	6.8 – 30	1.5KE(Value)ALFCT-ND	.60	.55	.46	1.5KE(Value)ALFTR-ND*	226.50/M
Bi-directional	6.8 – 30	1.5KE(Value)CALFCT-ND	.66	.60	.50	1.5KE(Value)CALFTR-ND	249.00/M

* 1,500 piece Tape and Reel for value 7.5

Features: • Glass passivated junction • Low clamping factor • Uni-directional and Bi-directional • 100% surge tested • UL listed

RoHS COMPLIANT

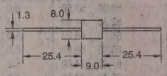


(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	Maximu Reverse Leakag I_R @ V_R (
6.8	5.80	6.45	7.14	1000.0
7.5*	6.40	7.13	7.88	500.0
10	8.55	9.50	10.50	10.0
15	12.80	14.30	15.80	5.0
30	25.60	28.50	31.50	5.0

5KP Series – 5000 Watt Axial TVS

Description	Tol.	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 800
Uni-directional	5%	5.0 – 70	5KP(Value)ALFCT-ND	3.32	3.00	2.50	5KP(Value)ALFTR-ND*	997.20
Bi-directional	10%	5.0	5KP5.0CLFCT-ND	3.55	3.20	2.67	5KP5.0CLFTR-ND	1065.60
	5%	6.0 – 70	5KP(Value)CALFCT-ND	3.66	3.29	2.75	5KP(Value)CALFTR-ND†	1096.80

* 1,000 piece Tape and Reel for value 40 † 1,000 piece Tape and Reel for value 70



RoHS COMPLIANT

When no problems exist, TVS diodes are invisible to the circuits they're protecting. But when potentially damaging transients occur, the TVS diodes provide high-speed "clamping" to prevent damage - after which they return to their electronically invisible state. Littelfuse TVS diodes are available in industry-standard packages.

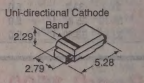
Features: • Glass passivated junction • Low clamping factor • Uni-directional and Bi-directional • 100% surge tested • UL listed

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	Maximum Reverse Leakage I_R @ V_R (µA)
5.0	5.0	6.40	7.00	5000.0
6.0	6.0	6.67	7.37	5000.0
10	10.0	11.10	12.30	15.0
15	15.0	16.70	18.50	10.0
24	24.0	26.70	29.50	10.0
30	30.0	33.30	36.90	10.0
33	33.0	36.70	40.60	10.0
36	36.0	40.00	44.20	10.0
40*	40.0	44.40	49.10	10.0
43	43.0	47.80	52.80	10.0
70†	70.0	77.00	86.00	10.0

SMAJ Series – 400 Watt TVS Diode

FEATURES: • Glass passivated junction • J lead construction

SPECIFICATIONS: • **Voltage Tolerance:** 5% • **Operating Temperature:** -55°C ~ 150°C • **High Temperature Soldering:** 250°C for 10 seconds at terminals • **Plastic Package:** UL94V-0 • **Case:** JEDEC DO-214AC • **Electrical Specification:** Tested at 25°C



RoHS COMPLIANT

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Maximum	Maximum Reverse Leakage I_R @ V_R (µA)
5.0	5.0	6.40	7.00	800.0
6.0	6.0	6.67	7.37	800.0
6.5	6.5	7.22	7.98	500.0
7.0	7.0	7.78	8.60	200.0
7.5	7.5	8.33	9.21	100.0
8.0	8.0	8.89	9.83	50.0
8.5	8.5	9.44	10.40	20.0
9.0	9.0	10.00	11.10	10.0
10	10.0	11.10	12.30	5.0
11	11.0	12.20	13.50	5.0
12	12.0	13.30	14.70	5.0
13	13.0	14.40	15.90	5.0
14	14.0	15.60	17.20	5.0
15	15.0	16.70	18.50	5.0
16	16.0	17.80	19.70	5.0
17	17.0	18.90	20.90	5.0
18	18.0	20.00	22.10	5.0
20	20.0	22.20	24.50	5.0

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Maximum	Maximum Reverse Leakage I_R @ V_R (µA)
22	22.0	24.40	26.90	5.0
24	24.0	26.70	29.50	5.0
26	26.0	28.90	31.90	5.0
28	28.0	31.10	34.40	5.0
30	30.0	33.30	36.80	5.0
33	33.0	36.70	40.60	5.0
36	36.0	40.00	44.20	5.0
40	40.0	44.40	49.10	5.0
45	45.0	50.00	55.30	5.0
48	48.0	53.30	58.90	5.0
51	51.0	56.70	62.70	5.0
54	54.0	60.00	66.30	5.0
58	58.0	64.40	71.20	5.0
60	60.0	66.70	73.70	5.0
64	64.0	71.10	78.60	5.0
70	70.0	77.80	86.00	5.0
75	75.0	83.30	92.10	5.0

(Value) Nominal Breakdown Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Maximum	Maximum Reverse Leakage I_R @ V_R (µA)
78	78.0	86.70	95.80	5.0
85	85.0	94.40	104.00	5.0
90	90.0	100.00	111.00	5.0
100	100.0	111.00	123.00	5.0
110	110.0	122.00	135.00	5.0
120	120.0	133.00	147.00	5.0
130	130.0	144.00	159.00	5.0
150	150.0	167.00	185.00	5.0
160	160.0	178.00	197.00	5.0
170	170.0	189.00	209.00	5.0
180	180.0	201.00	222.00	5.0
200	200.0	224.00	247.00	5.0
220	220.0	246.00	272.00	5.0
250	250.0	279.00	309.00	5.0
300	300.0	335.00	371.00	5.0
350	350.0	391.00	432.00	5.0
400	400.0	447.00	494.00	5.0
440	440.0	492.00	543.00	5.0

* Reverse Leakage is at Reverse Stand Off Voltage (VR)

Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Re Pricing 5,000
Uni-directional TVS	5.0 – 200	SMAJ(Value)ALFCT-ND	.35	.32	.27	SMAJ(Value)ALFTR-ND	118.80/M
	220 – 440	SMAJ(Value)ALFCT-ND	.49	.45	.37	SMAJ(Value)ALFTR-ND	166.05/M
Bi-directional TVS	5.0 – 51	SMAJ(Value)CALFCT-ND	.39	.35	.30	SMAJ(Value)CALFTR-ND	130.95/M
	54 – 440	SMAJ(Value)CALFCT-ND	.54	.49	.41	SMAJ(Value)CALFTR-ND	183.60/M

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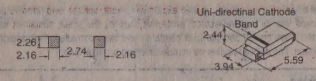
Littelfuse SMBJ and P6SMBJ Series – 600 Watt TVS Diode

TURES: • Glass passivated junction • J lead construction

CIFICATIONS: • **Voltage Tolerance:** 5% • **Operating Temperature:** -55°C ~ 150°C • **High** perature Soldering: 250°C for 10 seconds at terminals • **Case:** JEDEC DO-214AA • **Electrical** ification: Tested at 25°C



SMBJ Series

(Value) Nominal Break-down Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	*Max. Reverse Leakage I_R @ V_R (µA)
.0	5.0	6.40	7.00	800.0
.0	6.0	6.67	7.37	800.0
.5	6.5	7.22	7.98	500.0
.0	7.0	7.78	8.60	200.0
.5	7.5	8.33	9.21	100.0
.0	8.0	8.89	9.83	50.0
.5	8.5	9.44	10.40	20.0
.0	9.0	10.00	11.10	10.0
0	10.0	11.10	12.30	5.0
1	11.0	12.20	13.50	5.0
2	12.0	13.30	14.70	5.0
3	13.0	14.40	15.90	5.0
4	14.0	15.60	17.20	5.0
5	15.0	16.70	18.50	5.0
6	16.0	17.80	19.70	5.0
7	17.0	18.90	20.90	5.0
8	18.0	20.00	22.10	5.0
0	20.0	22.20	24.50	5.0
2	22.0	24.40	26.90	5.0
4	24.0	26.70	29.50	5.0
6	26.0	28.90	31.90	5.0
8	28.0	31.10	34.40	5.0
0	30.0	33.30	36.80	5.0
3	33.0	36.70	40.60	5.0
6	36.0	40.00	44.20	5.0
0	40.0	44.40	49.10	5.0
3	43.0	47.80	52.80	5.0
45	45.0	50.00	55.30	5.0
48	48.0	53.30	58.90	5.0
51	51.0	56.70	62.70	5.0
54	54.0	60.00	66.30	5.0
58	58.0	64.40	71.20	5.0
60	60.0	66.70	73.70	5.0
64	64.0	71.10	78.60	5.0
70	70.0	77.80	86.00	5.0
75	75.0	83.30	92.10	5.0
78	78.0	86.70	95.80	5.0
85	85.0	94.40	104.00	5.0
90	90.0	100.00	111.00	5.0
100	100.0	111.00	123.00	5.0
110	110.0	122.00	135.00	5.0
120	120.0	133.00	147.00	5.0
130	130.0	144.00	159.00	5.0
150	150.0	167.00	185.00	5.0
160	160.0	178.00	197.00	5.0
170	170.0	189.00	209.00	5.0
180	180.0	201.00	222.00	5.0
200	200.0	224.00	247.00	5.0
220	220.0	246.00	272.00	5.0
300	300.0	335.00	371.00	5.0
350	350.0	391.00	432.00	5.0
400	400.0	447.00	494.00	5.0
440	440.0	492.00	543.00	5.0

verse Leakage is at Reverse Stand Off Voltage (VR)

P6SMBJ Series

(Value) Nominal Break-down Voltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	*Max. Reverse Leakage I_R @ V_R (µA)
6.8	5.80	6.45	7.14	1000.0
7.5	6.40	7.13	7.88	500.0
8.2	7.02	7.79	8.61	200.0
9.1	7.78	8.65	9.55	50.0
10	8.55	9.50	10.50	10.0
11	9.40	10.50	11.60	5.0
12	10.20	11.40	12.60	5.0
13	11.10	12.40	13.70	5.0
15	12.80	14.30	15.80	5.0
16	13.60	15.20	16.80	5.0
18	15.30	17.10	18.90	5.0
20	17.10	19.00	21.00	5.0
22	18.80	20.90	23.10	5.0
24	20.50	22.80	25.20	5.0
27	23.10	25.70	28.40	5.0
30	25.60	28.50	31.50	5.0
33	28.20	31.40	34.70	5.0
36	30.80	34.20	37.80	5.0
39	33.30	37.10	41.00	5.0
43	36.80	40.90	45.20	5.0
47	40.20	44.70	49.40	5.0
51	43.60	48.50	53.60	5.0
56	47.80	53.20	58.80	5.0
62	53.00	58.90	65.10	5.0
68	58.10	64.60	71.40	5.0
75	64.10	71.30	78.80	5.0
82	70.10	77.90	86.10	5.0
91	77.80	86.50	95.50	5.0
100	85.50	95.00	105.00	5.0
110	94.00	105.00	116.00	5.0
120	102.00	114.00	126.00	5.0
130	111.00	124.00	137.00	5.0
150	128.00	143.00	158.00	5.0
160	136.00	152.00	168.00	5.0
170	145.00	162.00	179.00	5.0
180	154.00	171.00	189.00	5.0
200	171.00	190.00	210.00	5.0
220	185.00	209.00	231.00	5.0
250	214.00	237.00	263.00	5.0
300	256.00	285.00	315.00	5.0
350	300.00	332.00	368.00	5.0
400	342.00	380.00	420.00	5.0
440	376.00	418.00	462.00	5.0
480	408.00	456.00	504.00	5.0
510	434.00	485.00	535.00	5.0
530	459.00	513.00	567.00	5.0
540	477.00	503.50	556.50	5.0
550	495.00	522.50	577.50	5.0

* Reverse Leakage is at Reverse Stand Off Voltage (VR)

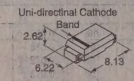
Series	Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Pricing 3,000
SMBJ	Uni-directional TVS	5.0 ~ 200	SMBJ(Value)ALFCT-ND	.37	.34	.28	SMBJ(Value)ALFTR-ND	125.55/M
		220 ~ 440	SMBJ(Value)ALFCT-ND	.52	.47	.39	SMBJ(Value)ALFTR-ND	175.50/M
	Bi-directional TVS	5.0 ~ 200	SMBJ(Value)CALFCT-ND	.41	.38	.31	SMBJ(Value)CALFTR-ND	139.05/M
		220 ~ 440	SMBJ(Value)CALFCT-ND	.58	.52	.44	SMBJ(Value)CALFTR-ND	194.40/M
P6SMBJ	Uni-directional TVS	6.8 ~ 200	P6SMBJ(Value)ALFCT-ND	.37	.34	.28	P6SMBJ(Value)ALFTR-ND	125.55/M
		220 ~ 550	P6SMBJ(Value)ALFCT-ND	.52	.47	.39	P6SMBJ(Value)ALFTR-ND	175.50/M
	Bi-directional TVS	6.8 ~ 200	P6SMBJ(Value)CALFCT-ND	.41	.38	.31	P6SMBJ(Value)CALFTR-ND	139.05/M
		220 ~ 550	P6SMBJ(Value)CALFCT-ND	.58	.52	.44	P6SMBJ(Value)CALFTR-ND	194.40/M

H

MCJ Series – 1500 Watt TVS Diode

TURES:
ass passivated junction • J lead construction

CIFICATIONS:
ltage Tolerance: 5% • **Operating Temperature:** -55°C ~ 150°C • **High Temperature Soldering:** 250°C for 10 seconds at terminals • **Plastic**
kage: UL94V-0 • **Case:** JEDEC DO-214AB • **Electrical Specification:** Tested at 25°C



(Value) ominal eakdown oltage	Reverse Stand Off Voltage V_R (V)	Breakdown Voltage V_{BR} (V) @ I_T Min.	Max.	*Max. Reverse Leakage I_R @ V_R (µA)
5.0	5.0	6.40	7.00	800.0
6.0	6.0	6.67	7.37	800.0
6.5	6.5	7.22	7.98	500.0
7.0	7.0	7.78	8.60	200.0
7.5	7.5	8.33	9.21	100.0
8.0	8.0	8.89	9.83	50.0
8.5	8.5	9.44	10.40	20.0
9.0	9.0	10.00	11.10	10.0
10	10	11.10	12.30	5.0
11	11	12.20	13.50	5.0
12	12	13.30	14.70	5.0
13	13	14.40	15.90	5.0
14	14	15.60	17.20	5.0
15	15	16.70	18.50	5.0
16	16	17.80	19.70	5.0
17	17	18.90	20.90	5.0
18	18	20.00	22.10	5.0
20	20	22.20	24.50	5.0
22	22.0	24.40	26.90	5.0
24	24.0	26.70	29.50	5.0
26	26.0	28.90	31.90	5.0
28	28.0	31.10	34.40	5.0
30	30.0	33.30	36.80	5.0
33	33.0	36.70	40.60	5.0
36	36.0	40.00	44.20	5.0
40	40.0	44.40	49.10	5.0
45	45.0	50.00	55.30	5.0
48	48.0	53.30	58.90	5.0
51	51.0	56.70	62.70	5.0
54	54.0	60.00	66.30	5.0
58	58.0	64.40	71.20	5.0
60	60.0	66.70	73.70	5.0
64	64.0	71.10	78.60	5.0
70	70.0	77.80	86.00	5.0
75	75.0	83.30	92.10	5.0
78	78.0	86.70	95.80	5.0
85	85.0	94.40	104.00	5.0
90	90.0	100.00	111.00	5.0
100	100.0	111.00	123.00	5.0
110	110.0	122.00	135.00	5.0
120	120.0	133.00	147.00	5.0
130	130.0	144.00	159.00	5.0
150	150.0	167.00	185.00	5.0
160	160.0	178.00	197.00	5.0
170	170.0	189.00	209.00	5.0
180	180.0	201.00	222.00	5.0
200	200.0	224.00	247.00	5.0
220	220.0	246.00	272.00	5.0
250	250.0	279.00	309.00	5.0
300	300.0	335.00	371.00	5.0
350	350.0	391.00	432.00	5.0
400	400.0	447.00	494.00	5.0
440	440.0	492.00	543.00	5.0

verse Leakage is at Reverse Stand Off Voltage (VR)

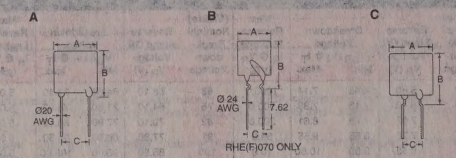
Description	Voltage Range (Value) See Chart	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Pricing 3,000
Uni-directional TVS	5.0 ~ 200	SMCJ(Value)ALFCT-ND	.65	.59	.49	SMCJ(Value)ALFTR-ND	220.05/M
	220 ~ 440	SMCJ(Value)ALFCT-ND	1.00	.90	.75	SMCJ(Value)ALFTR-ND	337.50/M
Bi-directional TVS	5.0 ~ 200	SMCJ(Value)CALFCT-ND	.71	.65	.54	SMCJ(Value)CALFTR-ND	240.30/M
	220 ~ 440	SMCJ(Value)CALFCT-ND	1.00	.90	.75	SMCJ(Value)CALFTR-ND	337.50/M

PolySwitch® Resettable Devices

PolySwitch resettable devices protect electrical and electronic circuits against excessive current, voltage, and temperature. After switching, the PolySwitch device is latched into its high-resistance, protective state by the small, sustained self-heating current. The device will reset only after it has cooled and the fault condition has been corrected, thus avoiding continuous cycling that could cause circuit damage. The device requires no manual resetting or replacement.

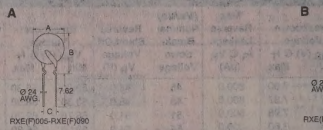
Definitions: • Maximum Voltage: The highest voltage the device can withstand (in its tripped state) without damage. • **Hol Current:** The maximum continuous current that will not cause the device to trip at 20°C. • **Trip Current:** The minimu continuous current that will cause the device to trip at 20°C. • **Maximum Current:** The largest fault current, at rated voltag the device can interrupt without being damaged. • **Maximum R:** Maximum non-tripped resistance of the device.

Fig. 1 — RGE(F) and RHE(F) Series



This product series can be used in a wide variety of automotive, computer and general electronics applications. The RGE(F) devices feature high current carrying capability (up to 13 amps) in a small package with fast trip times.

Fig. 2 — RXE(F) Series



These products function as the general purpose line of circuit protection devices and are well suited for power supplies, alarm systems, speakers, motors and many other applications. The RXE(F) series range in hold currents from .05 - 3.75 amps and complement the RUE(F) devices by providing a higher voltage rating.

Fig.	Max. Volt.	Rated Current (20°C) (A) Hold	Trip	Max. Current (A)	Initial Resistance RMin. (Ω)	RMax. (Ω)	Recognized By	Dimensions Inches (mm) A	B	C (Max.)	Digi-Key Part No.	Price Each 1	10	100	Raychem Part No.
							RGE Series								
	16	4.00	6.80	100	0.021	0.0393		0.35 (8.9)	0.50 (12.8)	0.20 (5.1)	RGE400-ND	.57	.52	.48	RGE400
	16	6.00	10.20	100	0.010	0.0191		0.42 (10.7)	0.67 (17.1)	0.20 (5.1)	RGE600-ND	.65	.60	.54	RGE600
	16	7.00	11.90	100	0.0077	0.0134	UL, TUV, CSA	0.44 (11.2)	0.78 (19.7)	0.20 (5.1)	RGE700-ND	.68	.62	.57	RGE700
	16	8.00	13.60	100	0.0056	0.0116		0.50 (12.7)	0.82 (20.9)	0.20 (5.1)	RGE800-ND	.74	.68	.62	RGE800
1A	16	9.00	15.30	100	0.0047	0.0093		0.55 (14.0)	0.85 (21.7)	0.20 (5.1)	RGE900-ND	.75	.69	.63	RGE900
	16	11.00	18.70	100	0.0037	0.0063		0.69 (17.5)	1.02 (26.0)	0.20 (5.1)	RGE1100-ND	.81	.75	.68	RGE1100
	16	12.00	20.40	100	0.0033	0.0060	UL, TUV, CSA	0.69 (17.5)	1.10 (27.94)	0.43 (10.9)	RGE1200-ND	.93	.86	.78	RGE1200
	16	14.00	23.80	100	0.0026	0.0045		0.925 (23.5)	1.10 (27.94)	0.43 (10.9)	RGE1400-ND	1.08	.99	.90	RGE1400
							NEW! RGEF Series — RoHS Compliant NEW!								
	16	3.00	5.10	100	0.038	0.0653		0.28 (7.1)	0.43 (11.0)	0.20 (5.1)	RGEF300-ND	.53	.49	.45	RGEF300
	16	4.00	6.80	100	0.021	0.0393		0.35 (8.9)	0.50 (12.8)	0.20 (5.1)	RGEF400-ND	.57	.52	.48	RGEF400
	16	5.00	8.50	100	0.015	0.0236	UL, TUV, CSA	0.41 (10.4)	0.56 (14.3)	0.20 (5.1)	RGEF500-ND	.62	.57	.52	RGEF500
	16	6.00	10.20	100	0.010	0.0191		0.42 (10.7)	0.67 (17.1)	0.20 (5.1)	RGEF600-ND	.65	.60	.54	RGEF600
	16	7.00	11.90	100	0.0077	0.0134		0.44 (11.2)	0.78 (19.7)	0.20 (5.1)	RGEF700-ND	.68	.62	.57	RGEF700
1A	16	8.00	13.60	100	0.0056	0.0116		0.50 (12.7)	0.82 (20.9)	0.20 (5.1)	RGEF800-ND	.74	.68	.62	RGEF800
	16	9.00	15.30	100	0.0047	0.0093		0.55 (14.0)	0.85 (21.7)	0.20 (5.1)	RGEF900-ND	.75	.69	.63	RGEF900
	16	10.00	17.00	100	0.0040	0.0072		0.65 (16.5)	0.99 (25.2)	0.20 (5.1)	RGEF1000-ND	.78	.72	.65	RGEF1000
	16	11.00	18.70	100	0.0037	0.0063	UL, TUV, CSA	0.69 (17.5)	1.02 (26.0)	0.20 (5.1)	RGEF1100-ND	.81	.75	.68	RGEF1100
	16	12.00	20.40	100	0.0033	0.0060		0.69 (17.5)	1.10 (27.94)	0.43 (10.9)	RGEF1200-ND	.93	.86	.78	RGEF1200
	16	14.00	23.80	100	0.0026	0.0045		0.925 (23.5)	1.10 (27.94)	0.43 (10.9)	RGEF1400-ND	1.08	.99	.90	RGEF1400
							RHE Series								
1B	30	0.7	1.4	40	0.300	0.546	UL, TUV, CSA	0.27 (6.86)	0.425 (10.8)	0.20 (5.1)	RHE070-ND	.50	.46	.42	RHE070
	16	6.5	12.0	100	0.011	0.018		0.50 (12.7)	0.88 (22.2)	0.20 (5.1)	RHE650-ND	.74	.68	.62	RHE650
1C	16	10.0	18.5	100	0.0062	0.0105	UL, TUV, CSA	0.69 (17.5)	1.04 (26.5)	0.43 (10.9)	RHE1000-ND	.96	.88	.80	RHE1000
	16	15.0	28.0	100	0.0032	0.0061		0.925 (23.5)	1.13 (28.7)	0.43 (10.9)	RHE1500-ND	1.23	1.13	1.03	RHE1500
							NEW! RHEF Series — RoHS Compliant NEW!								
1B	30	0.7	1.4	40	0.300	0.546	UL, TUV, CSA	0.27 (6.86)	0.425 (10.8)	0.20 (5.1)	RHEF070-ND	.50	.46	.42	RHEF070
	16	4.0	7.0	100	0.018	0.029		0.45 (11.4)	0.71 (18.0)	0.20 (5.1)	RHEF400-ND	.63	.58	.53	RHEF400
	16	4.5	7.8	100	0.022	0.036		0.41 (10.4)	0.61 (15.6)	0.20 (5.1)	RHEF450-ND	.66	.61	.55	RHEF450
	16	6.0	10.8	100	0.013	0.022	UL, TUV, CSA	0.44 (11.2)	0.83 (21.0)	0.20 (5.1)	RHEF600-ND	.72	.66	.60	RHEF600
1C	16	7.5	13.1	100	0.0094	0.0153		0.55 (14.0)	0.93 (23.5)	0.20 (5.1)	RHEF750-ND	.78	.72	.65	RHEF750
	16	10.0	18.5	100	0.0062	0.0105		0.69 (17.5)	1.04 (26.5)	0.43 (10.9)	RHEF1000-ND	.96	.88	.80	RHEF1000
	16	13.0	24.0	100	0.0041	0.0069		0.925 (23.5)	1.13 (28.7)	0.43 (10.9)	RHEF1300-ND	1.11	1.02	.93	RHEF1300
	16	15.0	28.0	100	0.0032	0.0061	UL, TUV, CSA	0.925 (23.5)	1.13 (28.7)	0.43 (10.9)	RHEF1500-ND	1.23	1.13	1.03	RHEF1500
							RXE Series								
	72	0.40	0.80	40	0.55	0.86		0.30 (7.6)	0.53 (13.5)	0.20 (5.1)	RXE040-ND	.44	.41	.37	RXE040
2A	72	0.50	1.00	40	0.50	0.77	UL, TUV, CSA	0.31 (7.9)	0.54 (13.7)	0.20 (5.1)	RXE050-ND	.44	.41	.37	RXE050
	72	0.75	1.50	40	0.25	0.40		0.40 (10.2)	0.60 (15.2)	0.20 (5.1)	RXE075-ND	.45	.42	.38	RXE075
	72	0.90	1.80	40	0.20	0.31		0.44 (11.2)	0.62 (15.8)	0.20 (5.1)	RXE090-ND	.46	.42	.38	RXE090
	72	1.35	2.70	40	0.12	0.19		0.57 (14.5)	0.75 (19.1)	0.20 (5.1)	RXE135-ND	.48	.44	.40	RXE135
2B	72	1.60	3.20	40	0.09	0.14	UL, TUV, CSA	0.64 (16.3)	0.82 (20.8)	0.20 (5.1)	RXE160-ND	.49	.45	.41	RXE160
	72	2.50	5.00	40	0.05	0.08		0.82 (20.8)	1.00 (25.4)	0.43 (10.9)	RXE250-ND	.59	.54	.49	RXE250
	72	3.00	6.00	40	0.04	0.06		0.94 (23.9)	1.13 (28.6)	0.43 (10.9)	RXE300-ND	.63	.58	.53	RXE300
							NEW! RXEF Series — RoHS Compliant NEW!								
	60	0.05	0.10	40	7.3	11.1		0.32 (8.0)	0.33 (8.3)	0.20 (5.1)	RXEF005-ND	.39	.36	.33	RXEF005
	60	0.10	0.20	40	2.5	4.50		0.29 (7.4)	0.46 (11.6)	0.20 (5.1)	RXEF010-ND	.38	.35	.32	RXEF010
	60	0.17	0.34	40	3.3	5.21	UL, TUV, CSA	0.29 (7.4)	0.50 (12.7)	0.20 (5.1)	RXEF017-ND	.39	.36	.33	RXEF017
	72	0.20	0.40	40	1.83	2.75		0.29 (7.4)	0.46 (11.7)	0.20 (5.1)	RXEF020-ND	.39	.36	.33	RXEF020
	72	0.25	0.50	40	1.25	1.95		0.29 (7.4)	0.50 (12.7)	0.20 (5.1)	RXEF025-ND	.39	.36	.33	RXEF025
2A	72	0.30	0.60	40	0.88	1.33		0.29 (7.4)	0.50 (12.7)	0.20 (5.1)	RXEF030-ND	.40	.37	.33	RXEF030
	72	0.40	0.80	40	0.55	0.86		0.30 (7.6)	0.53 (13.5)	0.20 (5.1)	RXEF040-ND	.44	.41	.37	RXEF040
	72	0.50	1.00	40	0.50	0.77	UL, TUV, CSA	0.31 (7.9)	0.54 (13.7)	0.20 (5.1)	RXEF050-ND	.44	.41	.37	RXEF050
	72	0.65	1.30	40	0.31	0.48		0.37 (9.40)	0.57 (14.5)	0.20 (5.1)	RXEF065-ND	.44	.41	.37	RXEF065
	72	0.75	1.50	40	0.25	0.40		0.40 (10.2)	0.60 (15.2)	0.20 (5.1)	RXEF075-ND	.45	.42	.38	RXEF075
	72	0.90	1.80	40	0.20	0.31		0.44 (11.2)	0.62 (15.8)	0.20 (5.1)	RXEF090-ND	.46	.42	.38	RXEF090
	72	1.10	2.20	40	0.15	0.25		0.50 (12.8)	0.69 (17.5)	0.20 (5.1)	RXEF110-ND	.46	.43	.39	RXEF110
	72	1.35	2.70	40	0.12	0.19		0.57 (14.5)	0.75 (19.1)	0.20 (5.1)	RXEF135-ND	.48	.44	.40	RXEF135
2B	72	1.60	3.20	40	0.09	0.14	UL, TUV, CSA	0.64 (16.3)	0.82 (20.8)	0.20 (5.1)	RXEF160-ND	.49	.45	.41	RXEF160
	72	1.85	3.70	40	0.08	0.12		0.69 (17.5)	0.88 (22.4)	0.20 (5.1)	RXEF185-ND	.53	.49	.44	RXEF185
	72	2.50	5.00	40	0.05	0.08		0.82 (20.8)	1.00 (25.4)	0.43 (10.9)	RXEF250-ND	.59	.54	.49	RXEF250
	72	3.00	6.00	40	0.04	0.06	UL, TUV, CSA	0.94 (23.9)	1.13 (28.6)	0.43 (10.9)	RXEF300-ND	.63	.58	.53	RXEF300
	72	3.75	7.50	40	0.03	0.05		1.07 (27.2)	1.25 (31.8)	0.43 (10.9)	RXEF375-ND	.66	.61	.55	RXEF375

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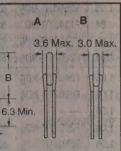


Fig. 2

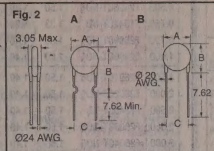


Fig. 3

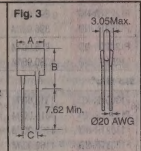


Fig. 4

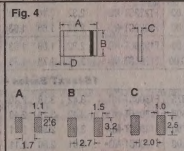


Fig. 5

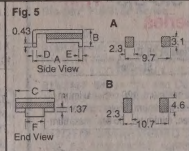
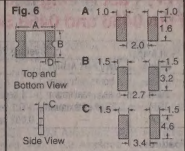


Fig. 6



Max. Voltage	I Max. (Amps)	Rated Current @ 23°C (Amps) Hold	Trip	Initial Resistance @ 23°C (Ω) Min.	Max.	Post-Trip Resistance	Dimensions – (mm) A (Max.)	B (Max.)	C (Nom.)	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Bourns Part No.
90	10	0.55	1.10	0.45	0.9	2.00	10.90	14.00	5.10	MF-R055/90-0-ND	.75	.69	.63	.50	.42	MF-R055/90-0
90	10	0.55	1.10	0.45	0.9	2.00	10.30	10.30	5.10	MF-R055/90U-0-ND	.75	.69	.63	.50	.42	MF-R055/90U-0
30	40	1.10	2.20	0.10	0.18	0.27	8.90	14.00	5.10	MF-R110-ND	.54	.50	.45	.36	.31	MF-R110
		1.35	2.70	0.065	0.115	0.17	8.90	18.90	5.10	MF-R135-ND	.54	.50	.45	.36	.31	MF-R135
		1.60	3.20	0.055	0.105	0.15	10.20	16.80	5.10	MF-R160-ND	.60	.55	.50	.41	.36	MF-R160
		1.85	3.70	0.04	0.07	0.11	12.00	18.40	5.10	MF-R185-ND	.60	.55	.50	.40	.35	MF-R185
60	40	0.10	0.20	2.50	4.50	7.50	7.40	12.70	5.10	MF-R010-ND	.48	.44	.40	.32	.26	MF-R010
		0.17	0.34	2.0	3.2	8.00	7.40	12.70	5.10	MF-R017-ND	.48	.44	.40	.32	.28	MF-R017
		0.20	0.40	1.50	2.84	4.40	7.40	12.70	5.10	MF-R020-ND	.51	.47	.43	.34	.29	MF-R020
		0.25	0.50	1.00	1.95	3.00	7.40	12.70	5.10	MF-R025-ND	.51	.47	.43	.34	.29	MF-R025
		0.30	0.60	0.76	1.36	2.10	7.40	13.40	5.10	MF-R030-ND	.51	.47	.43	.34	.29	MF-R030
		0.40	0.80	0.52	0.86	1.29	7.40	13.70	5.10	MF-R040-ND	.54	.50	.45	.36	.30	MF-R040
		0.50	1.00	0.41	0.77	1.17	7.90	13.70	5.10	MF-R050-ND	.54	.50	.45	.35	.31	MF-R050
		0.65	1.30	0.27	0.48	0.72	9.70	15.20	5.10	MF-R065-ND	.54	.50	.45	.36	.31	MF-R065
		0.75	1.50	0.18	0.40	0.60	10.40	16.00	5.10	MF-R075-ND	.54	.50	.45	.36	.31	MF-R075
		0.90	1.80	0.14	0.31	0.47	11.70	16.70	5.10	MF-R090-ND	.54	.50	.45	.37	.32	MF-R090
60	40	1.10	2.20	0.15	0.25	0.38	13.00	18.00	5.10	MF-RX110-ND	.54	.50	.45	.36	.32	MF-RX110
		1.35	2.70	0.12	0.19	0.30	14.50	19.60	5.10	MF-RX135-ND	.57	.53	.48	.38	.34	MF-RX135
		1.60	3.20	0.09	0.14	0.22	16.30	21.30	5.10	MF-RX160-ND	.60	.55	.50	.40	.35	MF-RX160
		1.85	3.70	0.08	0.12	0.19	12.80	22.90	5.10	MF-RX185-ND	.60	.55	.50	.40	.35	MF-RX185
		2.50	5.00	0.05	0.08	0.13	21.30	26.40	10.20	MF-RX250-ND	.66	.61	.55	.43	.37	MF-RX250
		3.00	6.00	0.04	0.06	0.10	24.90	30.00	10.20	MF-RX300-ND	.69	.64	.58	.46	.40	MF-RX300
		3.75	7.50	0.03	0.05	0.08	28.40	33.50	10.20	MF-RX375-ND	.72	.66	.60	.48	.42	MF-RX375
30	40	3.00	6.00	0.02	0.05	0.08	12.00	13.30	5.10	MF-R300-ND	.69	.64	.58	.45	.39	MF-R300
		4.00	8.00	0.01	0.03	0.05	14.40	24.80	5.10	MF-R400-ND	.72	.66	.60	.48	.42	MF-R400
		5.00	10.00	0.01	0.03	0.05	17.40	24.90	10.20	MF-R500-ND	.78	.72	.65	.52	.45	MF-R500
		6.00	12.00	0.005	0.02	0.04	19.30	31.90	10.20	MF-R600-ND	.81	.75	.68	.53	.46	MF-R600
		7.00	14.00	0.005	0.02	0.03	22.10	29.80	10.20	MF-R700-ND	.84	.77	.70	.56	.48	MF-R700
		8.00	16.00	0.005	0.02	0.03	24.21	32.90	10.20	MF-R800-ND	.87	.80	.73	.58	.51	MF-R800
		9.00	18.00	0.005	0.01	0.02	24.21	32.90	10.20	MF-R900-ND	.93	.86	.78	.61	.53	MF-R900

Max. Volt.	I Max. (Amps)	Rated Current @ 23°C (Amps) Hold	Trip	Initial Resistance @ 23°C (Ω) RMinimum	Post-Trip Resistance	Dimensions – (mm) A (Max.)	B (Max.)	C (Max.)	D (Min.)	E (Max.)	F (Min.)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel * Size	Pricing	Bourns Part No.
6.0	40	0.35	0.75	0.20	1.30	3.43	2.80	0.62	0.30	—	—	MF-USMD035CT-ND	.68	.63	.59	3,000	360.00/M	MF-USMD035-2
3.2	40	0.50	1.00	0.18	0.90	3.43	2.80	0.62	0.30	—	—	MF-USMD050CT-ND	.71	.67	.62	—	—	MF-USMD050-2
8.0	40	0.75	1.50	0.07	0.450	3.43	2.80	0.62	0.30	—	—	MF-USMD075CT-ND	.75	.68	.66	3,000	360.00/M	MF-USMD075-2
6.0	40	1.10	2.20	0.05	0.210	3.43	2.80	0.62	0.30	—	—	MF-USMD110CT-ND	.79	.68	.66	3,000	360.00/M	MF-USMD110-2
30.0	40	0.14	0.34	0.40	6.50	4.73	3.41	0.81	0.30	—	—	MF-MSMD014CT-ND	.56	.48	.44	—	—	MF-MSMD014-2
30.0	80	0.20	0.40	0.40	6.00	4.73	3.41	0.81	0.30	—	—	MF-MSMD020CT-ND	.56	.48	.44	—	—	MF-MSMD020-2
15.0	100	0.50	1.00	0.15	1.00	4.73	3.41	0.62	0.30	—	—	MF-MSMD050CT-ND	.56	.48	.44	—	—	MF-MSMD050-2
13.2	100	0.75	1.50	0.11	0.45	4.73	3.41	0.62	0.30	—	—	MF-MSMD075CT-ND	.56	.48	.44	2,000	320.00/M	MF-MSMD075-2
6.0	100	1.10	2.20	0.04	0.21	4.73	3.41	0.62	0.30	—	—	MF-MSMD110CT-ND	.56	.48	.44	2,000	320.00/M	MF-MSMD110-2
6.0	100	1.25	2.50	0.035	0.14	4.73	3.41	0.48	0.30	—	—	MF-MSMD125CT-ND	.56	.48	.44	2,000	320.00/M	MF-MSMD125-2
6.0	100	1.50	3.00	0.03	0.120	4.73	3.41	0.48	0.30	—	—	MF-MSMD150CT-ND	.56	.48	.44	2,000	320.00/M	MF-MSMD150-2
60.0	10	0.05	0.15	2.80	50.0	3.43	2.80	1.1	0.30	—	—	MF-USMF005-2CT-ND◆ **NEW!**	.68	.63	.59	3,000	360.00/M	MF-USMF005-2
30.0	10	0.10	0.30	0.80	15.0	3.43	2.80	1.1	0.30	—	—	MF-USMF010-2CT-ND◆ **NEW!**	.68	.63	.59	3,000	360.00/M	MF-USMF010-2
30.0	10	0.20	0.40	0.40	5.00	3.43	2.80	1.1	0.30	—	—	MF-USMF020-2CT-ND◆ **NEW!**	.68	.63	.59	3,000	360.00/M	MF-USMF020-2
16.0	40	0.35	0.75	0.20	1.30	3.43	2.80	0.85	0.30	—	—	MF-USMF035-2CT-ND◆ **NEW!**	.68	.63	.59	3,000	360.00/M	MF-USMF035-2
13.2	40	0.50	1.00	0.18	0.90	3.43	2.80	0.85	0.30	—	—	MF-USMF050-2CT-ND◆ **NEW!**	.67	.63	.59	3,000	360.00/M	MF-USMF050-2
16.0	40	0.75	1.50	0.07	0.450	3.43	2.80	0.85	0.30	—	—	MF-USMF075-2CT-ND◆ **NEW!**	.75	.68	.66	3,000	360.00/M	MF-USMF075-2
16.0	40	1.10	2.20	0.05	0.210	3.43	2.80	0.85	0.30	—	—	MF-USMF110-2CT-ND◆ **NEW!**	.79	.68	.66	3,000	360.00/M	MF-USMF110-2
60	40	0.30	0.60	0.900	4.80	7.98	3.18	5.44	0.71	0.71	2.16	MF-SM030CT-ND	.63	.54	.50	2,000	360.00/M	MF-SM030-2
60	40	0.50	1.00	0.500	1.40	7.98	3.18	5.44	0.71	0.71	2.16	MF-SM050CT-ND	.63	.54	.50	2,000	360.00/M	MF-SM050-2
33	40	1.10	2.20	0.120	0.41	7.98	3.00	5.44	0.71	0.71	2.16	MF-SM100/33-2CT-ND◆	.70	.60	.55	2,000	400.00/M	MF-SM100/33-2
30	80	0.75	1.50	0.230	1.00	7.98	3.18	5.44	0.71	0.71	2.16	MF-SM075CT-ND	.63	.54	.50	2,000	360.00/M	MF-SM075-2
30	80	1.10	2.20	0.120	0.48	7.98	3.00	5.44	0.71	0.71	2.16	MF-SM100CT-ND	.63	.54	.50	2,000	354.00/M	MF-SM100-2
15	100	1.25	2.50	0.070	0.25	7.98	3.00	5.44	0.71	0.71	2.16	MF-SM125CT-ND	.63	.54	.50	2,000	354.00/M	MF-SM125-2
6	100	2.60	5.20	0.025	0.075	7.98	3.00	5.44	0.71	0.71	2.16	MF-SM260CT-ND	.63	.54	.50	2,000	360.00/M	MF-SM260-2
33	40	1.50	3.00	0.060	0.23	9.50	3.00	6.71	0.71	0.71	3.68	MF-SM150/33-2CT-ND◆	.88	.75	.69	1,500	500.00/M	MF-SM150/33-2
15	100	1.50	3.00	0.060	0.25	9.50	3.00	6.71	0.71	0.71	3.68	MF-SM150CT-ND	.63	.54	.50	1,500	360.00/M	MF-SM150-2
15	100	2.00	4.00	0.045	0.125	9.50	3.00	6.71	0.71	0.71	3.68	MF-SM200CT-ND◆	.67	.57	.53	1,500	380.00/M	MF-SM200-2
15	100	2.50	5.00	0.024	0.085	9.50	3.00	6.71	0.71	0.71	3.68	MF-SM250CT-ND◆	.67	.57	.53	1,500	380.00/M	MF-SM250-2
13.2	100	0.50	1.00	0.15	0.70	3.40	1.80	0.85	0.25	—	—	MF-NSMF-050-2CT-ND◆	.70	.60	.55	3,000	400.00/M	MF-NSMF050-2
6.0	100	0.75	1.50	0.10	0.29	3.40	1.80	0.85	0.25	—	—	MF-NSMF-075-2CT-ND◆	.70	.60	.55	3,000	400.00/M	MF-NSMF075-2
6.0	100	1.10	1.80	0.06	0.20	3.40	1.80	1.35	0.25	—	—	MF-NSMF-110-2CT-ND◆	.70	.60	.55	3,000	400.00/M	MF-NSMF110-2
6.0	100	1.50	3.00	0.03	0.13	3.40	1.80	1.35	0.25	—	—	MF-NSMF-150-2CT-ND◆	.70	.60	.55	3,000	400.00/M	MF-NSMF150-2
60.0	40	0.10	0.30	0.70	15.00	4.73	3.41	1.10	0.30	—	—	MF-MSMF010-2CT-ND◆	.56	.48	.44	1,500	320.00/M	MF-MSMF010-2
60.0	40	0.14	0.34	0.40	6.50	4.73	3.41	1.10	0.30	—	—	MF-MSMF014-2CT-ND◆	.56	.48	.44	1,500	320.00/M	MF-MSMF014-2
30.0	80	0.20	0.40	0.40	6.00	4.73	3.41	1.10	0.30	—	—	MF-MSMF020-2CT-ND◆	.56	.48	.44	1,500	320.00/M	MF-MSMF020-2
30.0	10	0.30	0.60	0.30	3.00	4.73	3.41	1.10	0.30	—	—	MF-MSMF030-2CT-ND◆	.56	.48	.44	1,500	320.00/M	MF-MSMF030-2
15.0	100	0.50	1.00	0.15	1.00	4.73	3.41	0.85	0.30	—	—	MF-MSMF050-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF050-2
13.2	100	0.75	1.50	0.11	0.45	4.73	3.41	0.85	0.30	—	—	MF-MSMF075-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF075-2
24.0	40	0.75	1.50	0.11	0.45	4.73	3.41	0.85	0.30	—	—	MF-MSMF075/24-2CT-ND◆	.63	.54	.50	2,000	360.00/M	MF-MSMF075/24-2
6.0	100	1.10	2.20	0.04	0.21	4.73	3.41	0.75	0.30	—	—	MF-MSMF110-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF110-2
16.0	100	1.10	2.20	0.04	0.21	4.73	3.41	0.75	0.30	—	—	MF-MSMF110/16-2CT-ND◆	.63	.54	.50	2,000	360.00/M	MF-MSMF110/16-2
6.0	100	1.25	2.50	0.035	0.14	4.73	3.41	0.85	0.30	—	—	MF-MSMF125-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF125-2
6.0	100	1.50	3.00	0.03	0.120	4.73	3.41	0.85	0.30	—	—	MF-MSMF150-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF150-2
8.0	100	1.60	2.80	0.035	0.099	4.73	3.41	0.85	0.30	—	—	MF-MSMF160-2CT-ND◆	.56	.48	.44	2,000	320.00/M	MF-MSMF160-2
6.0	100	2.00	4.00	0.020	0.100	4.73	3.41	0.85	0.30	—	—	MF-MSMF200-2CT-ND◆	.70	.60	.55	2,000	400.00/M	MF-MSMF200-2
16.0	100	2.50	5.00	0.015	0.100	4.73	3.41	2.00	0.30	—	—	MF-MSMF250/16-2CT-ND◆	.91	.78	.72	1,000	520.00	MF-MSMF250/16-2
6.0	100	2.60	5.20	0.015	0.080	4.73	3.41	0.85	0.30	—	—	MF-MSMF260-2CT-ND◆	.70	.60	.55	—	—	MF-MSMF260-2
60	10	0.55	1.20	0.200	0.950	5.44	4.93	1.09	0.30	—	—	MF-SMDF050-2CT-ND◆	.63	.54	.50	3,000	360.00/M	MF-SMDF050-2
15	40	1.50	3.00	0.070	0.175	5.44	4.93	1.09	0.30	—	—	MF-SMDF150-2CT-ND◆	.63	.54	.50	3,000	360.00/M	MF-SMDF150-2

Tape and Reel part number, change CT-ND to TR-ND. ◆ *RoHS Compliant*

More Product Available Online: www.digikey.com
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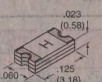
Littelfuse

"1206" (3216) *Lead-Free* Slimline™ Very Fast Acting and Slo-Blo® Thin-Film 0466 and 0468 Series

% of Amp. Rating	Opening Time at 25°C	
	Very Fast Acting	Slo-Blo®
100%	4 hours minimum	—
200%	5 sec., maximum	1 sec. minimum, 120 sec. maximum
300%	0.2 sec., maximum	0.1 sec. minimum, 3 sec. maximum
800%	—	0.002 sec. minimum, .05 sec. maximum

Features:
• Complies with electronic industry environmental standards for lead reduction • Product is compatible with lead-free solders and higher temperature profiles • Element covering material is resistant to industry standard cleaning operations • Mounting pad and electrical performance is identical to Littelfuse 429 and 433 Series products • Alloy based element construction provides superior inrush withstand characteristics (I^2t) over ceramic or glass based 1206 chip fuse products



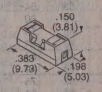
Specifications: • **Voltage Ratings:** 125V (.125~.375A), 63V (.500~2.0A), 32V (2.5A, 3.0), 24V (4~10A) • **Operating Temperature:** -55°C ~ 90°C • **Interrupting Ratings:** 0.125~.375A (50A at 125V AC/DC), 0.5~2A (50A at 63V AC/DC), 2.5~3A (50A at 32V AC/DC), 4~10A (35A at 24V AC/DC) • **Construction Material:** Body: Advanced High Temperature Substrate, Terminations: Copper/Nickel/100% Tin, Element Cover Coat: Conformal Coating
Tape and Reel Specifications: 8mm Tape and Reel per EIA-RS481-2 (IEC 286, part 3)

Amp. Rate	Marking Code	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 5,000
0466 Series — Very Fast-Acting							
.125	B	F1450CT-ND•	.75	.70	.53	F1450TR-ND	290.25/M
.2	C	F1451CT-ND•	.75	.70	.53	F1451TR-ND	290.25/M
.25	D	F1452CT-ND•	.75	.70	.53	F1452TR-ND	290.25/M
.375	E	F1453CT-ND•	.75	.70	.53	F1453TR-ND	290.25/M
.5	F	F1454CT-ND•	.75	.70	.53	F1454TR-ND	290.25/M
.75	G	F1455CT-ND•	.75	.70	.53	F1455TR-ND	290.25/M
1	H	F1456CT-ND•	.75	.70	.53	F1456TR-ND	290.25/M
1.25	J	F1465CT-ND•	.75	.70	.53	F1465TR-ND	290.25/M
1.5	K	F1462CT-ND•	.75	.70	.53	F1462TR-ND	290.25/M
1.75	L	F1466CT-ND•	.75	.70	.53	F1466TR-ND	290.25/M
2	N	F1457CT-ND•	.75	.70	.53	F1457TR-ND	290.25/M
2.5	O	F1464CT-ND•	.75	.70	.53	F1464TR-ND	290.25/M
3	P	F1458CT-ND•	.75	.70	.53	F1458TR-ND	290.25/M
4	S	F1459CT-ND•	.75	.70	.53	F1459TR-ND	290.25/M
5	T	F1460CT-ND•	.75	.70	.53	F1460TR-ND	290.25/M
0468 Series — Slo-Blo®							
1.00	TH	F2658CT-ND	1.13	1.06	.80	F2658TR-ND	437.00/M
1.50	TK	F2569CT-ND	1.13	1.06	.80	F2569TR-ND	437.00/M
2.00	TN	F2570CT-ND	1.13	1.06	.80	F2570TR-ND	437.00/M
3.00	TP	F2571CT-ND	1.13	1.06	.80	F2571TR-ND	437.00/M

• **466-KIT-ND Digi-Key® 466 Series Fuse** *Very Fast Acting Slim Line™ Lead Free* 10 each of parts indicated, plus a plastic storage box **$89.95**

SMF Omni-Blok® Fuse Block with Nano2® Very Fast Acting and Slo-Blo® Fuses

The SMF Omni-Blok® Fuseholder permits quick and easy replacement of Nano2® SMF surface mount fuses. The fuse block and pre-installed fuse combination can be placed on the PC board in one efficient manufacturing operation.

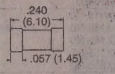


Specifications:
• **Electrical:** 10A, 125V • **Molded Parts:** Thermoplastic (94V0) • **Ambient Temperature:** -55°C ~ 125°C • **Soldering Parameters:** Infrared: 445°F (230°C), 30 seconds • **Packaging:** 16mm wide Tape and Reel per EIA Standard 481. Installed fuses have silver plated end caps, installed to accommodate solder reflow process. Use 451 Series Fast Acting Fuse with tin/lead alloy plated end caps for replacement purposes of the 154 Series product. Use 452 Series Slo-Blo® Fuse with tin/lead alloy plated end caps for replacement purposes of the 154xxxT Series.

Amp. Rate	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 1,500
154 Series – Very Fast Acting						
.250	F1219CT-ND	2.74	2.55	1.92	F1219TR-ND	1056.00/M
.500	F1220CT-ND•	2.74	2.55	1.92	F1220TR-ND	1056.00/M
.750	F1221CT-ND•	2.32	2.16	1.63	F1221TR-ND	896.00/M
1.00	F1222CT-ND•	2.32	2.16	1.63	F1222TR-ND	896.00/M
1.50	F1223CT-ND•	2.32	2.16	1.63	F1223TR-ND	896.00/M
2.00	F1224CT-ND•	2.32	2.16	1.63	F1224TR-ND	896.00/M
2.50	F1225CT-ND•	2.32	2.16	1.63	F1225TR-ND	896.00/M
3.00	F1226CT-ND•	2.32	2.16	1.63	F1226TR-ND	896.00/M
4.00	F1227CT-ND•	2.32	2.16	1.63	F1227TR-ND	896.00/M
5.00	F1228CT-ND•	2.32	2.16	1.63	F1228TR-ND	896.00/M
7.00	F1229CT-ND	2.32	1.66	1.63	F1229TR-ND	896.00/M
8.00	F1239CT-ND	2.32	1.66	1.63	F1239TR-ND	896.00/M
10.00	F1251CT-ND	2.49	1.78	1.75	F1251TR-ND	1030.96/M
154xxxT Series – Slo-Blo®						
.375	F1300CT-ND	3.42	3.18	2.40	F1300TR-ND	1318.00/M
.500	F1301CT-ND•	3.42	3.18	2.40	F1301TR-ND	1318.00/M
.750	F1302CT-ND•	3.01	2.80	2.11	F1302TR-ND	1160.00/M
1.00	F1303CT-ND•	3.01	2.80	2.11	F1303TR-ND	1160.00/M
1.50	F1304CT-ND•	3.01	2.80	2.11	F1304TR-ND	1160.00/M
2.00	F1305CT-ND•	3.01	2.80	2.11	F1305TR-ND	1160.00/M
2.50	F1306CT-ND•	3.01	2.80	2.11	F1306TR-ND	1160.00/M
3.00	F1307CT-ND•	3.01	2.80	2.11	F1307TR-ND	1160.00/M
3.50	F1308CT-ND	3.01	2.80	2.11	F1308TR-ND	1160.00/M
4.00	F1309CT-ND•	3.01	2.80	2.11	F1309TR-ND	1160.00/M
5.00	F1310CT-ND•	3.01	2.80	2.11	F1310TR-ND	1160.00/M

• **154-KIT-ND Digi-Key® 154 Series Fuseblock with Fuse** *Fast Acting and Slo-Blo® Surface Mount Nano2®* 5 each of parts indicated, plus a plastic storage box **$149.95**

Nano2® SMF Very Fast-Acting and Slo-Blo® Fuses



1–5 Amp
R451 Series

Nano2® Surface Mount Fuses incorporate proven Picofuse performance and dependability in a flat top design which permits efficient pick and place assembly.
• **Recommended Soldering Parameters:** *Infrared Reflow* for 30 seconds is 500°F (260°C) for Very Fast-Acting; 445°F (230°C) for Slo-Blo®. *Wave Solder* is 500°F (260°C) for 10 seconds for Very Fast-Acting; 500°F (260°C) for 3 seconds maximum for Slo-Blo®.
• **Construction Materials:** Body is ceramic, Caps are tin-lead alloy plated brass.
• **Operating Temperature Range:** -55°C ~ 125°C
• **Voltage Rating:** 125V, 65V: F1151

Fast Acting			Slo-Blo®	
Rating	Amps	Opening Time	Rating	Opening Time (Minimum/ Maximum)
100%	1/16–15	4 hours minimum	100%	4 hrs. minimum
200%	1/16–10	5 sec., maximum	200%	1 sec. / 60 sec.
200%	12–15	20 sec., maximum	300%	0.2 / 3 sec.
			800%	0.02 / 0.1 sec.

Amp. Rate	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 1,000
R451 Series - Very Fast Acting						
.250	F2572CT-ND§	1.11	1.03	.78	—	—
.375	F2573CT-ND§	1.11	1.03	.78	F2573TR-ND§	460.00
.500	F2574CT-ND§	1.11	1.03	.78	F2574TR-ND§	460.00
.630	F2575CT-ND§	1.11	1.03	.78	F2575TR-ND§	460.00
.750	F2576CT-ND§	1.11	1.03	.78	F2576TR-ND§	460.00
1.000	F2577CT-ND§	1.11	1.03	.78	F2577TR-ND§	460.00
1.250	F2578CT-ND§	1.11	1.03	.78	F2578TR-ND§	460.00
1.500	F2579CT-ND§	1.11	1.03	.78	F2579TR-ND§	460.00
1.600	F2580CT-ND§	1.11	1.03	.78	F2580TR-ND§	460.00
2.000	F2581CT-ND§	1.11	1.03	.78	F2581TR-ND§	460.00
2.500	F2582CT-ND§	1.11	1.03	.78	F2582TR-ND§	460.00
3.000	F1147CT-ND	1.01	.94	.71	—	—
3.000	F2583CT-ND§	1.11	1.03	.78	F2583TR-ND§	460.00
3.150	F2584CT-ND§	1.11	1.03	.78	F2584TR-ND§	460.00
3.500	F2585CT-ND§	1.11	1.03	.78	F2585TR-ND§	460.00
4.000	F2586CT-ND§	1.11	1.03	.78	F2586TR-ND§	460.00
5.000	F2587CT-ND§	1.11	1.03	.78	F2587TR-ND§	460.00
6.300	F2588CT-ND§	1.11	1.03	.78	F2588TR-ND§	460.00
7.000	F2589CT-ND§	1.11	1.03	.78	F2589TR-ND§	460.00
8.000	F2256CT-ND	1.01	.94	.71	F2256TR-ND	472.70
8.000	F2590CT-ND§	1.11	1.03	.78	F2590TR-ND§	460.00
10.000	F2591CT-ND§	1.76	1.64	1.23	F2591TR-ND§	728.00
12.000	F2592CT-ND§	1.76	1.64	1.23	F2592TR-ND§	728.00
15.000	F1151CT-ND	1.81	1.68	1.27	—	—
15.000	F2593CT-ND§	1.76	1.64	1.23	F2593TR-ND§	728.00

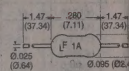
Amp. Rate	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 1,000
R452 Series – Slo-Blo®						
0.375	F2597CT-ND§	1.50	1.40	1.06	F2597TR-ND§	622.00
0.500	F2598CT-ND§	1.50	1.40	1.06	F2598TR-ND§	622.00
0.750	F1342CT-ND	1.33	1.24	.94	F1342TR-ND	622.05
0.750	F2599CT-ND§	1.50	1.40	1.06	F2599TR-ND§	622.00
1.000	F2600CT-ND§	1.50	1.40	1.06	F2600TR-ND§	622.00
1.500	F2601CT-ND§	1.50	1.40	1.06	F2601TR-ND§	622.00
2.000	F2602CT-ND§	1.50	1.40	1.06	F2602TR-ND§	622.00
2.500	F1346CT-ND	1.50	1.40	1.06	—	—
2.500	F2603CT-ND§	1.50	1.40	1.06	F2603TR-ND§	622.00
3.000	F2604CT-ND§	1.50	1.40	1.06	F2604TR-ND§	622.00
3.500	F1348CT-ND	1.50	1.40	1.06	—	—
3.500	F2605CT-ND§	1.50	1.40	1.06	F2605TR-ND§	622.00
4.000	F2606CT-ND§	1.50	1.40	1.06	F2606TR-ND§	622.00
5.000	F1350CT-ND	1.33	1.24	.94	F1350TR-ND	622.05
5.000	F2607CT-ND§	1.50	1.40	1.06	F2607TR-ND§	622.00

§ RoHS Compliant

PICO II™ 125 Volt Very Fast-Acting Pico Fuses

1–5 Amp

Patents: U.S. Patent #2,385,281
Construction Materials: Body: UL94V0 epoxy coating, green
RoHS Compliant
Product: Pure tin coated copper wire leads
• **Ratings:** 300 amps at rated voltage VDC 50A VAC
• **Operating Temp.:** -55°C ~ 125°C



Electrical Characteristics:

Rating	Amperage	Opening Time
100%	1/16–15	4 hours, minimum
200%	1/16–7	1 seconds, maximum
200%	10	3 seconds, maximum
200%	12–15	10 seconds, maximum

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 1	10	100
0251 Series — Non Color-Coded Type (Bulk)					
12.000	32	F836-ND	.93	.77	.54
0251 Series — Non Color-Coded Type (Bulk) - RoHS Compliant					
.062	125	F2307-ND	1.19	1.11	.77
.125	125	F2308-ND•	.75	.70	.49
.250	125	F2309-ND	.75	.70	.49
.375	125	F2310-ND	.75	.70	.49
.500	125	F2311-ND•	.55	.52	.36
.630	125	F2312-ND	.55	.52	.36
.750	125	F2353-ND•	.55	.52	.36
1.000	125	F2313-ND•	.55	.52	.36
1.250	125	F2323-ND	.55	.52	.36
1.500	125	F2319-ND•	.55	.52	.36
2.000	125	F2314-ND•	.55	.52	.36
2.500	125	F2321-ND	.55	.52	.36
3.000	125	F2315-ND•	.55	.52	.36
3.500	125	F2322-ND	.55	.52	.36
4.000	125	F2316-ND•	.55	.52	.36
5.000	125	F2317-ND•	.55	.52	.36
7.000	125	F2318-ND	.55	.52	.36
10.000	125	F2320-ND	.55	.52	.36
12.000	32	F2351-ND	.75	.70	.49
15.000	32	F2352-ND	.75	.70	.49

•***NEW!*** **251L-473L-KIT-ND Digi-Key® 251 Series Fuse** *Very Fast Ac* and **473 Series Fuse** *Slo-Blo® Axial Pico II™* 5 each of parts indicated, pla storage box not included — ***RoHS Compliant*** ..... **$93.**

Amp. Rating	Volt. Rating	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T & R Pricing 1,00
R251 Series — Non Color-Coded Type (Cut Tape and Tape Reel)							
.0625	125	F1505CT-ND	1.16	.83	.82	F1505TR-ND	566.2
.375	125	F1508CT-ND	.73	.53	.52	F1508TR-ND	356.7
.630	125	F1511CT-ND	.73	.53	.52	—	—
3.500	125	F1518CT-ND	.54	.39	.38	F1518TR-ND	263.0
12.000	32	F1523CT-ND	.73	.53	.52	—	—
15.000	32	F1524CT-ND	.73	.53	.52	—	—

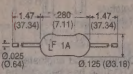
More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Littelfuse®

1-5 Amp

o-Blo® Pico Fuses

struction Materials: Body-UL94V0
xy coating, gold. Leads-solder
ed copper wire. • ***RoHS Compliant***
duct: Pure tin coated copper wire
ls • **Operating Temperature**
ge: -55°C ~ 125°C.



Electrical Characteristics

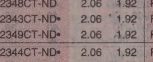
ating	Opening Time	Rating	Opening Time
100%	4 hrs., minimum	200%	60 sec., maximum
300%	3 sec., maximum	800%	0.1 sec., maximum

np ing	Digi-Key Part No.	Cut Tape Price Each 1	10	Digi-Key Part No.	T&R Pricing 4,000
		0473 Series - Non-Color Coded Type			
50	F1201CT-ND	1.93	1.80	F1201TR-ND	879.00/M
00	F1203CT-ND	1.93	1.80	F1203TR-ND	879.00/M
00	F1205CT-ND	1.93	1.80	F1205TR-ND	879.00/M
00	F1207CT-ND	1.93	1.80	F1207TR-ND	879.00/M
00	F1209CT-ND	1.93	1.80	—	—
00	F2257CT-ND	1.93	1.80	F2257TR-ND	878.68/M

np ing	Digi-Key Part No.	Cut Tape Price Each 1	10	Digi-Key Part No.	T&R Pricing 1,000
		0473L Series - Non-Color Coded Type - RoHS Compliant			
75	F2338CT-ND	2.06	1.92	F2338TR-ND	852.60
00	F2339CT-ND•	2.06	1.92	F2339TR-ND•	852.60
50	F2340CT-ND•	2.06	1.92	F2340TR-ND•	852.60
00	F2341CT-ND•	2.06	1.92	F2341TR-ND•	852.60
00	F2347CT-ND•	2.06	1.92	F2347TR-ND•	852.60
00	F2342CT-ND•	2.06	1.92	F2342TR-ND•	852.60
50	F2350CT-ND•	2.06	1.92	F2350TR-ND•	852.60
00	F2348CT-ND•	2.06	1.92	F2348TR-ND•	852.60
00	F2343CT-ND•	2.06	1.92	F2343TR-ND•	852.60
00	F2349CT-ND•	2.06	1.92	F2349TR-ND•	852.60
00	F2344CT-ND•	2.06	1.92	F2344TR-ND•	852.60
00	F2345CT-ND•	2.06	1.92	F2345TR-ND•	852.60
00	F2346CT-ND•	2.06	1.92	F2346TR-ND•	852.60

L-473L-KIT-ND Digi-Key® 251 Series Fuse ***Very Fast Acting*** **and 473**
s Fuse ***Slo-Blo® Axial Pico II™*** **5 each of parts indicated, plastic storage**
ot included — *RoHS Compliant* **$99.96**

CO II™ 250 Volt Very ast-Acting Pico Fuses



rupting Rating: 50 Amperes at 250VAC

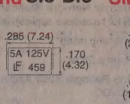
struction Materials: Encapsulated, epoxy-coated body; Pure tin
ed copper leads; green in color

Electrical Characteristics

% Amp. Rating	Opening Time (Minimum/Maximum)
100%	4 hours, minimum
200%	1 sec. maximum
300%	0.1 sec. maximum

mp ting	Voltage Rating	Digi-Key Part No.	Price Each 1	10	100
		0263 Series			
50	250	F885-ND	1.89	1.76	1.33
		0263L Series - RoHS Compliant			
62		F2324-ND	2.60	2.42	1.67
25		F2325-ND	2.07	1.92	1.33
50	250	F2326-ND	2.07	1.92	1.33
75		F2327-ND	2.07	1.92	1.33
00		F2328-ND	2.07	1.92	1.33
50		F2329-ND	1.71	1.59	1.10
000		F2330-ND	1.71	1.59	1.10
500	250	F2335-ND	1.71	1.59	1.10
000		F2331-ND	1.71	1.59	1.10
500		F2336-ND	1.71	1.59	1.10
000		F2332-ND	1.71	1.59	1.10
500	250	F2337-ND	1.71	1.59	1.10
000		F2333-ND	1.71	1.59	1.10
000		F2334-ND	1.71	1.59	1.10

Pico SMD Very Fast-Acting and Slo-Blo® SMT Fuses



1-5 Amp
R460 Series

EIA Case Code 7343 Laser etched for ease of identification.

- **Operating Temperature:** -55°C ~ 125°C
- **Soldering Methods:** *Infrared Reflow* is 500°F (260°C) maximum temperature for Very Fast-Acting; 446°F (230°C) maximum temperature for Slo-Blo®. *Thru the wave soldering* is 500°F (260°C),10 seconds maximum.
- **Voltage Rating:** 125

Rating	Fast-Acting Opening Time	Slo-Blo® Opening Time
100%	4 hrs. minimum	4 hrs., minimum
200%	1 sec. maximum	60 sec., maximum
300%	—	3 sec., maximum
800%	—	0.1 sec. maximum

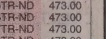
Amp Rating	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	T&R Pricing 500
			R459 Series – Very Fast-Acting			
.125	F1160CT-ND	1.31	1.22	.92	F1160TR-ND	300.00
.250	F1161CT-ND	1.31	1.22	.92	F1161TR-ND	300.00
.375	F1162CT-ND	1.31	1.22	.92	F1162TR-ND	300.00
.500	F1163CT-ND	.98	.91	.69	F1163TR-ND	223.00
.750	F1164CT-ND	.98	.91	.69	F1164TR-ND	223.00
1.000	F1165CT-ND	.98	.91	.69	F1165TR-ND	223.00
1.500	F1166CT-ND	.98	.91	.69	F1166TR-ND	223.00
2.000	F1167CT-ND	.98	.91	.69	F1167TR-ND	223.00
2.500	F1168CT-ND	.98	.91	.69	F1168TR-ND	223.00
3.000	F1169CT-ND	.98	.91	.69	F1169TR-ND	223.00
3.500	F1170CT-ND	.98	.91	.69	F1170TR-ND	223.00
4.000	F1171CT-ND	.98	.91	.69	F1171TR-ND	223.00
5.000	F1172CT-ND	.98	.91	.69	F1172TR-ND	223.00
			R460 Series – Slo-Blo®			
.375	F1180CT-ND	2.07	1.93	1.45	F1180TR-ND	473.00
.500	F1181CT-ND	2.07	1.93	1.45	F1181TR-ND	473.00
.750	F1182CT-ND	2.07	1.93	1.45	F1182TR-ND	473.00
1.000	F1183CT-ND	2.07	1.93	1.45	F1183TR-ND	473.00
1.500	F1184CT-ND	2.07	1.93	1.45	F1184TR-ND	473.00
2.000	F1185CT-ND	2.07	1.93	1.45	F1185TR-ND	473.00
2.500	F1186CT-ND	2.07	1.93	1.45	F1186TR-ND	473.00
3.000	F1167CT-ND	2.07	1.93	1.45	F1187TR-ND	473.00
3.500	F1188CT-ND	2.07	1.93	1.45	F1188TR-ND	473.00
4.000	F1189CT-ND	2.07	1.93	1.45	F1189TR-ND	473.00
5.000	F1190CT-ND	2.07	1.93	1.45	F1190TR-ND	473.00

Metric (5x20mm) Fuses (UL Standards)

RoHS COMPLIANT

Fast-Acting 235 Series
Medium-Acting 234 Series
Slo-Blo® 239 Series

- Operating Temperature: -55°C ~ 125°C
- Designed to UL/CSA/ANCE 248 Standard



Amp Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
		235P Series — Fast-Acting			
.250		F2670-ND	.74	.56	.49
.300		F2671-ND	.74	.56	.49
.400	250	F2672-ND	.74	.56	.49
.500		F2673-ND	.40	.30	.27
.600		F2674-ND	.40	.30	.27
.700		F2675-ND	.40	.30	.27
.800		F2676-ND	.40	.30	.27
1	250	F2677-ND	.33	.25	.22
1.25		F2678-ND	.33	.25	.22
1.6		F2679-ND	.33	.25	.22
2	250	F2680-ND	.33	.25	.22
2.5	250	F2681-ND	.33	.25	.22
3	250	F2682-ND	.33	.25	.22
4	125	F2683-ND	.33	.25	.22
5	125	F2684-ND	.33	.25	.22
6	125	F2685-ND	.33	.25	.22
		234P Series — Medium-Acting			
1		F2686-ND	.83	.62	.55
1.6		F2687-ND	.83	.62	.55
2	250	F2688-ND	.83	.62	.55
2.5		F2689-ND	.83	.62	.55
3		F2690-ND	.83	.62	.55
3.5		F2691-ND	.83	.62	.55
4		F2692-ND	.83	.62	.55
5	250	F2693-ND	.83	.62	.55
6		F2694-ND	.83	.62	.55
		239P Series — Time Lag (Slo-Blo®)			
.250		F2695-ND	1.02	.77	.68
.300		F2696-ND	1.02	.77	.68
.400	250	F2697-ND	.78	.59	.52
.500		F2698-ND	.78	.59	.52
.600		F2699-ND	.78	.59	.52
.700		F2700-ND	.78	.59	.52
.800		F2701-ND	.78	.59	.52
1	250	F2702-ND	.78	.59	.52
1.25		F2703-ND	.78	.59	.52
1.6		F2704-ND	.78	.59	.52
2		F2705-ND	.78	.59	.52
2.5	250	F2706-ND	.78	.59	.52
3.0		F2707-ND	.78	.59	.52

Metric (5x20mm) Fuses (IEC Standards)

Slo-Blo® High Breaking Capacity 215P Series
Fast-Acting High Breaking Capacity 216/216P Series
Fast-Acting 217/217P Series
Slo-Blo® 218/218P Series

Approvals:
215P Series: CE 200mA ~ 12A; SEMKO 200mA ~ 10Amperes; BSI approved 200mA ~ 6.3Amperes; UL and CSA recognized 500mA ~ 12 Amperes; CCC Certified 1 ~ 6.3 Amperes; PSE 1 ~ 12 Amperes
216/216P Series: UL and CSA recognized .050~10 Amperes; VDE approved .080 ~.250, .400~1.6, 2.5~4.0, 6.3 Amperes; CCC Certified .080 ~.800 Amperes; BSI 1~6.3 Amperes; SEMKO approved .080 ~.125 Amperes
217/217P Series: SEMKO .032 ~.800 Amperes; VDE approved .032~6.3 Amperes; BSI approved .400 ~ 6.3 Amperes; UL and CSA recognized .032 ~ 6.3 Amperes; CCC Certified .080~.800 Amperes
218/218P Series: SEMKO .800 ~ 6.3 Amperes; VDE approved .032 ~ 6.3 Amperes; BSI approved .080 ~ 6.3 Amperes; UL and CSA recognized .032 ~15 Amperes
Interrupting Capacity: 215P & 216/216P Series: 1500 Amperes @ 250VAC. **217/217P Series:** 35 Amperes or 10 x rated current, whichever is greater, to a maximum of 100 Amps @ 250VAC. **218/218P Series:** 35 Amperes or 10 x rated current, whichever is greater to a maximum of 100 Amps @ 250VAC.

Amp Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
		215P — Series Slo-Blo® High Braking Capacity; Ceramic Body - RoHS Compliant			
1		F2659-ND	1.29	.97	.86
1.25		F2660-ND	1.29	.97	.86
1.6	250	F2661-ND	1.29	.97	.86
2.0		F2662-ND	1.29	.97	.86
2.5		F2663-ND	1.29	.97	.86
3.15		F2664-ND	1.29	.97	.86
4		F2665-ND	1.29	.97	.86
5	250	F2666-ND	1.29	.97	.86
6.3		F2667-ND	1.29	.97	.86
8		F2668-ND	1.29	.97	.86
10		F2669-ND	1.29	.97	.86
		216 Series — Fast-Acting High Breaking Capacity; Ceramic Body			
.050		F900-ND	1.86	1.40	1.24
.125		F904-ND	1.49	1.12	.99
.160	250	F905-ND	1.49	1.12	.99
.630		F911-ND	1.49	1.12	.99
1.250		F914-ND	1.49	1.12	.99
8.000		F922-ND	1.86	1.40	1.24
		216P Series — Fast-Acting High Breaking Capacity; Ceramic Body - RoHS Compliant			
.050		F2354-ND•	1.60	1.20	1.07
.080		F2355-ND	1.28	.96	.85
.100	250	F2356-ND•	1.28	.96	.85
.125		F2357-ND•	1.28	.96	.85
.160		F2358-ND	1.28	.96	.85
.200		F2359-ND	1.28	.96	.85
.250		F2360-ND•	1.28	.96	.85
.315	250	F2361-ND•	1.28	.96	.85
.400		F2362-ND	1.28	.96	.85
.500		F2363-ND•	1.28	.96	.85
.630		F2364-ND•	1.28	.96	.85
.800		F2365-ND•	1.28	.96	.85
1.000	250	F2366-ND•	1.15	.86	.77
1.250		F2375-ND•	1.15	.86	.77
1.600		F2371-ND	1.15	.86	.77
2.000		F2367-ND•	1.15	.86	.77
2.500		F2373-ND•	1.15	.86	.77
3.150	250	F2376-ND•	1.15	.86	.77
4.000		F2368-ND•	1.15	.86	.77
5.000		F2369-ND•	1.15	.86	.77
6.300		F2374-ND•	1.15	.86	.77
8.000	250	F2370-ND•	1.15	.86	.77
10.000		F2372-ND•	1.15	.86	.77
		217 Series — Fast-Acting Type			
.040		F931-ND	1.79	1.35	1.20
.080		F934-ND	1.79	1.35	1.20
.100	250	F935-ND	1.79	1.35	1.20
.160		F937-ND	1.06	.79	.70
.630		F943-ND	.33	.25	.22
		217P Series — Fast-Acting Type RoHS Compliant			
.032		F2377-ND	1.54	1.15	1.03
.040		F2378-ND	1.54	1.15	1.03
.050	250	F2379-ND	1.54	1.15	1.03
.063		F2380-ND	1.54	1.15	1.03
.080		F2381-ND	.90	.68	.60
.100		F2382-ND•	.90	.68	.60
.125		F2383-ND•	.90	.68	.60
.160	250	F2384-ND	.90	.68	.60
.200		F2385-ND	.90	.68	.60
.250		F2386-ND•	.90	.68	.60
.315		F2387-ND•	.90	.68	.60
.400		F2388-ND	.28	.21	.19
.500	250	F2389-ND•	.28	.21	.19
.630		F2390-ND•	.28	.21	.19
.800		F2391-ND•	.28	.21	.19
1.000		F2392-ND•	.28	.21	.19
1.250	250	F2402-ND•	.28	.21	.19
1.600		F2397-ND•	.28	.21	.19

(Continued)

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Littelfuse

Metric (5x20mm) Fuses *(Cont.)*

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
217P Series — Fast-Acting Type RoHS Compliant (Cont.)					
2.000		F2393-ND•	.28	.21	.19
2.500		F2400-ND•	.28	.21	.19
3.150	250	F2403-ND•	.28	.21	.19
4.000		F2394-ND•	.28	.21	.19
5.000		F2395-ND•	.28	.21	.19
6.300		F2401-ND•	.28	.21	.19
8.000	250	F2396-ND•	.28	.21	.19
10.000		F2398-ND•	.28	.21	.19
15.000		F2399-ND	.28	.21	.19
218 Series — Slo-Blo® Type					
.032		F960-ND	2.40	1.80	1.60
.080		F964-ND	2.40	1.80	1.60
.315	250	F970-ND	1.40	1.05	.93
.400		F971-ND	1.40	1.05	.93
8.000		F984-ND	1.50	1.13	1.00
10.000	250	F985-ND	1.50	1.13	1.00
218P Series — Slo-Blo® Type RoHS Compliant					
.032		F2404-ND	2.06	1.55	1.38
.040		F2405-ND	2.06	1.55	1.38
.050	250	F2406-ND	2.06	1.55	1.38
.063		F2407-ND	2.06	1.55	1.38
.080		F2408-ND	2.06	1.55	1.38
.100		F2409-ND•	1.20	.90	.80
.125		F2410-ND•	1.20	.90	.80
.160	250	F2411-ND	1.20	.90	.80
.200		F2412-ND	1.20	.90	.80
.250		F2413-ND•	1.20	.90	.80
.315		F2414-ND•	1.20	.90	.80
.400		F2415-ND	1.20	.90	.80
.500	250	F2416-ND•	.83	.62	.55
.630		F2417-ND•	.83	.62	.55
.800		F2418-ND•	.83	.62	.55
1.000		F2419-ND•	.83	.62	.55
1.250		F2429-ND•	.83	.62	.55
1.600	250	F2424-ND•	.83	.62	.55
2.000		F2420-ND•	.83	.62	.55
2.500		F2427-ND•	.83	.62	.55
3.150		F2430-ND•	.83	.62	.55
4.000		F2421-ND•	.83	.62	.55
5.000	250	F2422-ND•	.83	.62	.55
6.300		F2428-ND•	.83	.62	.55
8.000		F2423-ND•	1.29	.97	.86
10.000	250	F2425-ND•	1.29	.97	.86
15.000		F2426-ND	1.29	.97	.86

• **216P-KIT-ND Digi-Key® 216 Series Fuse** ***Fast Acting High Breaking Capacity*** 5 each of parts indicated, plus a plastic storage box — ***RoHS Compliant*** **$159.97**

• **217P-KIT-ND Digi-Key® 217 Series Fuse** ***Fast Acting*** 5 each of parts indicated, plus a plastic storage box ***RoHS Compliant*** **$39.95**

• **218P-KIT-ND Digi-Key® 218 Series Fuse** ***Slo-Blo® Type*** 5 each of parts indicated, plus a plastic storage box — ***RoHS Compliant*** **$89.95**

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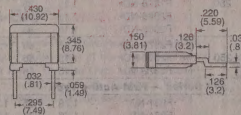
350 Volt SMT Fuses
Fast-Acting EBF Series

2-5 Amp



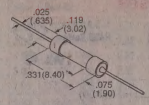
• Ideal for use in electronic lighting ballast, power supply and power inverter applications • Rated for use in 125, 250, 277 and 350 VAC circuits. • **Agency Approvals:** UL recognized, CSA certified, MITI approved for 5 Amps • **Interrupting Ratings:** 100 Amps at 350VAC • **Operating Temperature:** -40°C ~ 125°C • **Physical Specifications:** Materials: Nylon Body; Silver Plated Zinc Terminations • **Packaging Specifications:** 24mm Tape and Reel per EIA-RS481 (equivalent to IEC 286, part 3); 800 fuses per reel

Electrical Characteristics

% Amp. Rating	Opening Time
100%	4 hours, minimum
200%	0.15 sec. minimum, 5 sec. maximum

Amp Rating	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Box Pricing 800
446 Series						
2	F1000CT-ND	.93	.87	.66	F1000TR-ND	332.80
3	F1001CT-ND	.93	.87	.66	F1001TR-ND	341.76
4	F1002CT-ND	.93	.87	.66	F1002TR-ND	341.76
5	F1003CT-ND	.93	.87	.66	F1003TR-ND	341.76
7.5	F1004CT-ND	.93	.87	.66	F1004TR-ND	332.80
10	F1005CT-ND	.93	.87	.66	F1005TR-ND	341.76

Barrier Network Fuses



• Meets Barrier Network Standards (EN50020) for hazardous applications

• High interrupting rating

Voltage Rating: 250V

Interrupting Ratings: 4000 Amperes at 250 VAC/VDC

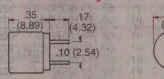
Part No.	Color Coding
F1290	Red
F1291	Green
F1292	Blue
F1293	Violet
F1294	Brown
F1295	Black

Electrical Characteristics

% Amp. Rating	Opening Time
110%	4 hours, minimum
300%	10 seconds, maximum
1000%	0.002 seconds, maximum

Amp Rating	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Box Pricing 500
242 Series						
.050	F1290CT-ND	4.77	4.43	3.34	F1290TB-ND	1090.50
.080	F1291CT-ND	4.77	4.43	3.34	F1291TB-ND	1090.50
.100	F1292CT-ND	4.77	4.43	3.34	F1292TB-ND	1090.50
.160	F1293CT-ND	4.77	4.43	3.34	F1293TB-ND	1090.50
.200	F1294CT-ND	4.77	4.43	3.34	F1294TB-ND	1090.50
.250	F1295CT-ND	4.77	4.43	3.34	F1295TB-ND	1090.50

Microfuse Very Fast-Acting Type



QPL

Operating Temperature Range: -55°C ~ 85°C

Electrical Characteristics

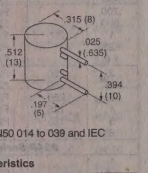
Rating	Amperage	Opening Time
100%	1/500 — 5	4 hrs., minimum
200%	1/500 — 3/10	5 sec., maximum
200%	4/10 — 5	2 sec., maximum

Amp Rating	Voltage Rating	Digi-Key Part No.	Price Each 1	100	250
273 Series — Fast-Acting Type					
.050	125	F855-ND	4.33	3.54	3.15
.100		F857-ND	4.27	3.50	3.11
.125		F858-ND	4.27	3.50	3.11
.200		F859-ND	6.63	5.43	4.83
.250	125	F860-ND	4.27	3.50	3.11
.300		F861-ND	4.27	3.50	3.11
.400		F862-ND	4.27	3.50	3.11
.500		F863-ND	4.27	3.50	3.11
.600		F864-ND	6.63	5.43	4.83
.700	125	F865-ND	6.63	5.43	4.83
.750		F866-ND	4.22	3.46	3.07
1.000		F868-ND	4.27	3.50	3.11
1.500		F869-ND	4.27	3.50	3.11
2.000		F870-ND	4.27	3.50	3.11
3.000	125	F871-ND	4.27	3.50	3.11
4.000		F872-ND	4.27	3.50	3.11
5.000		F873-ND	4.27	3.50	3.11

Safe-T-Plus Fuses

• Designed to allow equipment to meet "Intrinsically Safe" certification for applications in gas plants, petrochemical and processing industries where there is a danger of gas explosion from faulty circuits.

• Hermetically sealed.



Voltage Rating: 125V
Interrupting Ratings: 50 Amps at 125VAC; 300 Amps at 125VDC
Agency Approvals: Meets CENELEC EN50 014 to 039 and IEC 60079-11 and BASEEFA BS 5501, part 7.

Electrical Characteristics

% Amp. Rating	Opening Time
100%	4 hours, minimum
200%	5 seconds, maximum

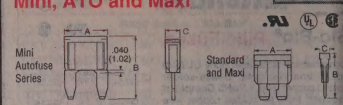
Amp Rating	Voltage Drop	Digi-Key Part No.	Price Each 1	100	250
259 Series					
.062	2.1	F1311-ND	5.18	3.07	2.73
.125	1.3	F1312-ND	5.18	3.07	2.73
.250	0.83	F1313-ND	5.18	3.07	2.73
.375	0.81	F1314-ND	5.18	3.07	2.73
.500	0.78	F1315-ND	5.18	3.07	2.73
.750	0.23	F1316-ND	5.18	3.07	2.73
1.000	0.24	F1317-ND	5.18	3.07	2.73

Schedule of Limitations:

1. The fuse must be so mounted that creepage and clearance distances meet the requirements of Table 2 of EN50020: 1977 or Table 4 of EN500020: 1994 (equivalent to IEC 60079-11 4th Edition 1999).
2. When used in intrinsically safe apparatus it will be necessary to determine a surface temperature classification for the fuse.

ATO Fuse: Mini, ATO and Maxi

RoHS COMPLIANT



Designed and originated by Littelfuse for the automotive industry, th ATO fuse has become the original equipment circuit protection sta dard for foreign and domestic automobiles and trucks. This fuse ca also be specified for a variety of low voltage electronic applications.

Design Standards: UL Standard for Automotive Blade Type Fuse SAE (Society of Automotive Engineers) J1284

Color-Coding: Autofuse fuses are color-coded for easy amperag identification

Voltage Rating: 32V

Approvals: 297 Series: UL listed, 257 series: UL listed 1–40 Ampere CSA certified 3–30 Amperes, 299 Series: UL recognized 20–6 Amperes

Body Material: 297 & 299 Series: Nylon, 257 Series: Plastic.

Fuse Type	Dimensions - Inch (mm) A	B	C
Mini-Fuse	.43 (10.92)	.63 (16.00)	.15 (3.81)
ATO Fuse	.75 (19.05)	.73 (18.54)	.20 (5.08)
Maxi-Fuse	1.15 (29.21)	1.35 (34.29)	.35 (8.89)

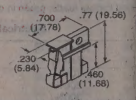
Amp Rating	Color Code	Digi-Key Part No.	Price Each 5	100	250
297 Series — Mini Fuses					
2	Grey	F986-ND•	.46	.42	.38
3	Violet	F987-ND•	.46	.42	.38
4	Pink	F988-ND•	.46	.42	.38
5	Tan	F989-ND•	.46	.42	.38
7.5	Brown	F990-ND•	.46	.42	.38
10	Red	F991-ND•	.46	.42	.38
15	Blue	F992-ND•	.46	.42	.38
20	Yellow	F993-ND•	.46	.42	.38
25	Natural	F994-ND•	.46	.42	.38
30	Green	F995-ND•	.46	.42	.38
257 Series — ATO Fuses					
1	Black	F2232-ND	.40	.36	.32
2	Grey	F2233-ND	.40	.36	.32
3	Violet	F996-ND•	.40	.36	.32
4	Pink	F997-ND•	.40	.36	.32
5	Tan	F998-ND•	.40	.36	.32
7.5	Brown	F999-ND•	.40	.36	.32
10	Red	F1015-ND•	.40	.36	.32
15	Blue	F1016-ND•	.40	.36	.32
20	Yellow	F1017-ND•	.40	.36	.32
25	Natural	F1018-ND•	.40	.36	.32
30	Green	F1019-ND•	.40	.36	.32
35	BL./Green	F2234-ND	.40	.36	.32
40	Amber	F1220-ND	.40	.36	.32
299 Series — Maxi Fuses					
20	Yellow	F1035-ND	1.27	1.17	1.04
30	Green	F1036-ND	1.27	1.17	1.04
40	Amber	F1037-ND	1.27	1.17	1.04
50	Red	F1038-ND	1.27	1.17	1.04
60	Blue	F1039-ND	1.27	1.17	1.04

• **257-297-KIT-ND Digi-Key® 257/297 Series Fuse** ***Mini and ATO*** each of parts indicated, plus a plastic storage box **$33.9**

Alarm Indicating Fuses

Electrical Characteristics

% Amp. Rating	Opening Time
100%	10 minutes, minimum
150%	5 minutes, maximum



Alarm Indicating Fuses are ideal for telecom and control panel circu Color coded flag conforms to telecom color standards to easily iden amperage ratings. This series has enhancements with an expand amperage range and higher interrupting ratings, making this a val replacement for competitive lines such as Bussmann: GMT and S O: AX-1 series product.

Agency Approval File Numbers: UL E71611, CSA LR29862.

Construction Materials: Body: Polyphenylene Sulfide (UL 94V Terminations: Beryllium Copper, Tin Plated.

Voltage Rating: 125VAC or 60VDC.

Interrupting Rating:450 Amperes at 60 VDC; 300 Amperes at VAC/VDC.

Operating Temperature Range: -55°C ~ 125°C.

Amp Rating	Color Code	Digi-Key Part No.	Price Each 1	10	100
0481 Series — Alarm Indicating Type					
2.000	Orange	F719-ND	2.09	1.93	1.45
3.000	Blue	F720-ND	2.09	1.93	1.45
3.500	Blue/Wht.	F721-ND	2.09	1.93	1.45
4.000	Brn./Wht.	F722-ND	2.09	1.93	1.45
5.000	Green	F723-ND	2.09	1.93	1.45
7.500	Blk./Wht.	F724-ND	2.09	1.93	1.45
10.000	Red/Wht.	F725-ND	2.09	1.93	1.45
12.000	Grn./Ylw.	F726-ND	2.09	1.93	1.45
15.000	Red/Blue	F727-ND	2.09	1.93	1.45

Littelfuse

G Glass Body Fast-Acting Fuses

ovals:
l by UL and Certified by CSA through
mperes. .010–10 Amperes listed to UL
4 (UL 198-G) 12–30 Amperes listed
.275.

nsions:
Series: Diameter: 1/4" (6.35mm);
h: 1-1/4" (31.75mm).
Series: Diameter: .275" (6.99mm);
th: 1.275" (32.39mm); Pigtail Dia-
: .032" (.81mm); Pigtail Length: 1.50"
0mm); Pigtail Material: Solder-coated
r.

Electrical Characteristics:

Rating	Opening Time
110%	4 hrs., minimum
135%	1 hr., maximum
200%	5 sec., maximum

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
0		F100-ND	7.44	6.84	6.08
1		F101-ND	7.44	6.84	6.08
0	250	F105-ND	1.09	.82	.73
'5		F106-ND	1.09	.82	.73
0		F108-ND	1.09	.82	.73
50		F2241-ND	.29	.22	.20
00		F2242-ND	.29	.22	.20
50	250	F2243-ND	.29	.22	.20
00		F120-ND	.29	.22	.20
00	32	F2247-ND	.44	.33	.29
00		F2249-ND	.44	.33	.29
312P Series - Cartridge Type RoHS Compliant					
0		F2493-ND	7.50	5.62	5.00
2	250	F2495-ND•	1.53	1.15	1.02
0		F2496-ND•	1.53	1.15	1.02
25		F2497-ND•	.87	.65	.58
50		F2498-ND•	.89	.67	.59
75		F2499-ND•	.89	.67	.59
7	250	F2500-ND	.89	.67	.59
0		F2501-ND•	.89	.67	.59
0		F2502-ND•	.89	.67	.59
0		F2503-ND•	.89	.67	.59
75		F2504-ND•	.26	.20	.18
0	250	F2505-ND•	.26	.20	.18
0		F2506-ND•	.26	.20	.18
50		F2507-ND•	.26	.20	.18
00		F2508-ND•	.26	.20	.18
50		F2521-ND•	.26	.20	.18
00	250	F2516-ND•	.26	.20	.18
00		F2517-ND•	.26	.20	.18
50		F2522-ND •	.26	.20	.18
00		F2518-ND•	.26	.20	.18
00		F2509-ND•	.26	.20	.18
50	250	F2523-ND•	.26	.20	.18
00		F2520-ND•	.26	.20	.18
00		F2510-ND•	.26	.20	.18
00		F2511-ND•	.26	.20	.18
00		F2512-ND•	.26	.20	.18
00	250	F2513-ND•	.26	.20	.18
00		F2514-ND•	.26	.20	.18
00		F2515-ND•	.26	.20	.18
000		F2519-ND•	.26	.20	.18
318 Series — Pigtail Type					
25		F208-ND	1.88	1.41	1.25
50		F209-ND	1.88	1.41	1.25
00	250	F212-ND	1.16	.87	.77
00		F221-ND	.83	.63	.56
00		F226-ND	.90	.66	.59
318P Series — Pigtail Type RoHS Compliant					
25		F2603-ND	1.55	1.16	1.03
50		F2604-ND	1.55	1.16	1.03
00	250	F2605-ND	1.55	1.16	1.03
75		F2606-ND	.69	.52	.46
00		F2607-ND	.69	.52	.46
1.000		F2608-ND	.69	.52	.46
1.500		F2616-ND	.69	.52	.46
1.600	250	F2617-ND	.69	.52	.46
2.000		F2609-ND	.69	.52	.46
2.500		F2618-ND	.69	.52	.46
3.000		F2610-ND	.69	.52	.46
4.000		F2611-ND	.69	.52	.46
5.000	250	F2612-ND	.69	.52	.46
6.000		F2613-ND	.69	.52	.46
7.000		F2614-ND	.69	.52	.46
8.000		F2615-ND	.69	.52	.46

• **312P-KIT-ND Digi-Key® 312 Series *Fast Acting 3AG Cartridge*** 5 each of parts indicated, and 10 each of fuse clips part numbers F040-ND and F052-ND, plus a plastic storage box

RoHS Compliant $109.96

3AG Glass Body Slo-Blo® Fuses

Patents:
U.S. Patents #4,409,729 and #4,445,106.

Approvals:
Listed by Underwriters Laboratories and Certified by CSA through 8 Amperes. Recognized under the Components Program of UL from 10 through 30 Amperes. 313 000 Series approved by METI from 1–5 Amperes.

Dimensions:
313 Series: Diameter: 1/4" (6.35mm). Length: 1-1/4" (31.75mm).

315 Series: Diameter: .275" (6.99mm). Length: 1.275" (32.39mm); Pigtail Diameter: .032" (.81mm); Pigtail Material: Solder-coated copper.

1-5 Amps
313 Series

QPL

Electrical Characteristics

Rating	Opening Time
110%	4 hrs., minimum
135%	1 hr., maximum
200%	5 sec., minimum

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
313 Series — Cartridge Type					
.010		F300-ND	3.44	3.16	2.81
.031		F301-ND	3.44	3.16	2.81
.040	250	F302-ND	3.44	3.16	2.81
.062		F303-ND	2.17	1.63	1.45
.100		F304-ND	2.17	1.63	1.45
.700		F316-ND	1.26	.94	.84
1.600	250	F323-ND	.96	.72	.64
2.250		F326-ND	.96	.72	.64
2.500		F327-ND	.96	.72	.64
15.000	32	F338-ND	1.40	1.05	.94
25.000		F340-ND	1.40	1.05	.94
313P Series — Cartridge Type RoHS Compliant					
.010		F2524-ND	3.46	2.59	2.31
.031		F2525-ND	3.46	2.59	2.31
.040	250	F2526-ND•	3.46	2.59	2.31
.062		F2527-ND•	1.78	1.34	1.19
.100		F2528-ND•	1.78	1.34	1.19
.125		F2529-ND•	1.78	1.34	1.19
.150		F2530-ND	1.78	1.34	1.19
.175	250	F2531-ND	1.03	.78	.69
.187		F2532-ND•	1.03	.78	.69
.200		F2533-ND•	1.03	.78	.69
.250		F2534-ND•	1.03	.78	.69
.300		F2535-ND•	1.03	.78	.69
.375	250	F2536-ND•	1.03	.78	.69
.400		F2537-ND•	1.03	.78	.69
.500		F2538-ND•	.79	.59	.53
.600		F2539-ND•	.79	.59	.53
.700		F2540-ND	.79	.59	.53
.750	250	F2541-ND•	.79	.59	.53
.800		F2542-ND•	.79	.59	.53
1.600		F2543-ND•	.79	.59	.53
1.200	250	F2550-ND	.79	.59	.53
1.250		F2564-ND•	.79	.59	.53
1.500		F2551-ND•	.79	.59	.53
1.600		F2552-ND•	.79	.59	.53
1.800	250	F2553-ND	.79	.59	.53
2.000		F2544-ND•	.79	.59	.53
2.250		F2565-ND•	.79	.59	.53
2.500		F2557-ND•	.79	.59	.53
2.800		F2558-ND	.79	.59	.53
3.000	250	F2545-ND•	.79	.59	.53
3.200		F2561-ND•	.79	.59	.53
4.000		F2546-ND•	.90	.68	.60
5.000		F2547-ND•	.90	.68	.60
6.250		F2566-ND•	.90	.68	.60
6.300	250	F2563-ND	.90	.68	.60
7.000		F2548-ND•	.90	.68	.60
8.000		F2549-ND•	.90	.68	.60
10.000		F2554-ND•	.90	.68	.60
12.000		F2555-ND•	.90	.68	.60
15.000	32	F2556-ND•	.90	.68	.60
20.000		F2559-ND•	1.15	.87	.77
25.000		F2560-ND•	1.15	.87	.77
30.000		F2562-ND•	1.15	.87	.77
315 Series — Pigtail Type					
1.000		F419-ND	1.48	1.11	.99
2.000	250	F425-ND	1.21	1.11	.99
7.000		F434-ND	1.56	1.17	1.04
315P Series — Pigtail Type RoHS Compliant					
.100		F2586-ND	3.01	2.26	2.01
.250		F2587-ND	1.22	.91	.81
.300	250	F2588-ND	1.22	.91	.81
.375		F2589-ND	1.22	.91	.81
.500		F2590-ND	1.22	.91	.81
.600		F2591-ND	1.22	.91	.81
.750		F2592-ND	1.22	.91	.81
1.000	250	F2593-ND	1.22	.91	.81
1.500		F2599-ND	1.22	.91	.81
1.600		F2600-ND	1.22	.91	.81
2.000		F2594-ND	1.22	.91	.81
2.500		F2601-ND	1.22	.91	.81
3.000	250	F2595-ND	1.22	.91	.81
3.200		F2602-ND	1.22	.91	.81
4.000		F2596-ND	1.22	.91	.81
5.000	250	F2597-ND	1.22	.91	.81
7.000		F2598-ND	1.22	.91	.81

• **313P-KIT-ND Digi-Key® 313 Series Slo-Blo® *3AG Cartridge*** 5 each of parts indicated, and 10 each of fuse clips part numbers F040-ND and F052-ND, plus a plastic storage box

RoHS Compliant $89.95

8AG Fast-Acting Instrument Fuse

Electrical Characteristics:

Rating	Opening Time
100%	4 hrs., minimum
200%	5 sec., maximum

0.25 x 1.00
(6.35 x 25.4)

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
361 Series — Fast-Acting Type					
.250	250	F506-ND	.72	.54	.48

8AG Fast-Acting Fuse

0.25 x 1.00
(6.35 x 25.4)

Approvals:
Listed by UL through 6 Amperes. Certified by CSA from 0.25 through 5 Amperes.
Sold in multiples of 5.

Electrical Characteristics:

Rating	Opening Time
110%	4 hrs., minimum
135%	1 hr., maximum
200%	10 sec., maximum

Amp. Rating	Voltage Rating	Digi-Key Part No.	Price Each 5	100	250
362 Series — Fast-Acting Type					
8.000	32	F610-ND	.28	.21	.19

H

Littelfuse

ATO Fuseholders

Fig. 1 – Horizontal Mount

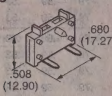
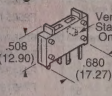
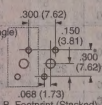


Fig. 2 – Vertical Mount





P.C.B. Footprint (Stacked)

Mini Fuse PC Board Fuseholder Specifications:

• **Terminals:** Copper alloy, tin-plated • **Body:** Black thermoplastic (UL 94V0) **Electrical:** Recognized under the Components Program of Underwriters Laboratory for 15 Amperes and Certified by CSA for 10 Amperes. Three fuseholders can be mounted side by side (stacked) and operated at rated current. Contact factory for applications where more than three fuseholders will be stacked.

• **Voltage:** 32 VDC • **Temperature Range:** -40°C ~ 85°C • **PC Board Compatibility:** Designed for use with standard .062" (1.57mm) circuit board.

Fig. 3 – Autofuse Fuse Clip

(2 Clips per Fuse)

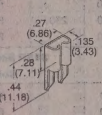


Fig. 4 – Mini Fuse Easy-Crimp Fuseholder

Materials:

• **Body:** Black thermoplastic
• **Terminals:** Tin plated copper alloy
• **Operating Temperature:** -40°C ~ 105°C

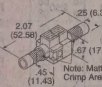
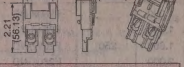


Fig.	Description	Digi-Key Part No.	Price Each 1	10	100
1	Horizontal Mini Holder	F064-ND	1.83	1.72	1.03
2	Single or End Cap Mini Holder	F065-ND	1.83	1.72	1.03
2	Stackable Mini Holder	F066-ND	1.83	1.72	1.03
3	ATO Fuse Clip	F067-ND	.33	.31	.19
4	In-line Mini Holder	F068-ND*	1.64	1.54	.93
4	In-line Mini Holder	F069-ND†	1.64	1.54	.93

* 20 Amperes maximum rating, terminals accept #16 ~ 22AWG
† 30 Amperes maximum rating, terminals accept #10 ~ 14AWG

Maxifuse Block:

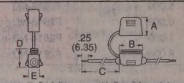
• Rated to 60 Amperes at 32V
• Interlocking block feature
• Built-in mounting bracket



Description	Digi-Key Part No.	Price Each 1	100	250
Maxi Fuse Block	F1085-ND	18.00	14.73	13.09

In-Line Fuseholders:

• Rated at 32V
• Protective cover included

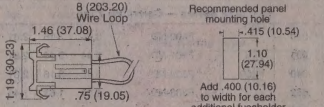


Dim.	Fuse Type - Inch (mm) MINI	ATO	MAXI
A	.52 (13.21)	.97 (24.64)	1.35 (34.29)
B	.97 (24.64)	1.00 (25.40)	3.36 (85.34)
C	4.0 (101.60)	4.0 (101.60)	6.0 (152.40)
D	.60 (15.24)	.67 (17.02)	1.39 (35.31)
E	.41 (10.41)	.43 (10.92)	1.12 (28.45)

Description	AWG Wire	Amp Rtg. (max.)	Digi-Key Part No.	Price Each 1	100	250
In-line Mini Holder	14	20	F1057-ND	3.82	2.58	2.30
In-line Mini Holder	12	30	F1058-ND	4.07	2.75	2.45
In-line Maxi Holder	6	60	F1059-ND	21.44	14.49	12.88
In-line ATO Holder	16	20	F1086-ND	3.47	2.35	2.09
In-line ATO Holder	12	30	F1087-ND	4.02	2.72	2.42

Panel Mount ATO Fuseholder:

• Assembled with 8" (203.2mm) wire loop, no fuse
• #14 wire/terminals rated to 20A
• #10 wire/terminals rated to 30A
• Snap mounting to panel
• Fuseholders interlock for multiple mounting.

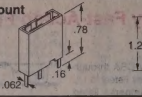


Description	AWG Wire	Amp Rtg. (max.)	Digi-Key Part No.	Price Each 1	100	250
Panel Mount Holder	14	20	F1088-ND	1.67	1.13	1.01
Panel Mount Holder	10	30	F1089-ND	2.42	1.64	1.46

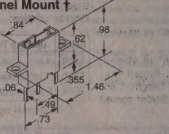
Gangable Alarm Indicating Fuseholder

Dimensions in inches

PCB Mount



Panel Mount †



Specifications: • **Electrical:** Rated at 15 Amperes for any voltage up to 125VAC, 125 VDC • **Molded Bodies:** Black, Thermoplastic (UL 94VO) • **Terminals:** Alarm Terminal – Brass, tin-plated, wire wrap type; Fuse Terminal – Beryllium copper, tin-plated

No. of Poles	Digi-Key Part No. PCB Mt.	Digi-Key Part No. Panel Mt.	Price Each 1	10	100
1	F1400-ND	F1420-ND	1.85	1.71	1.28
2	F1401-ND	F1421-ND	3.70	3.42	2.56
3	F1402-ND	F1422-ND	5.54	5.12	3.84
4	F1403-ND	F1423-ND	7.38	6.82	5.12
5	F1404-ND	F1424-ND	9.23	8.53	6.40
6	F1405-ND	F1425-ND	11.08	10.23	7.68
7	F1406-ND	F1426-ND	12.93	11.94	8.95
8	F1407-ND	F1427-ND	14.77	13.64	10.23
9	F1408-ND	F1428-ND	16.62	15.35	11.51
10	F1409-ND	F1429-ND	18.47	17.05	12.79
11	F1410-ND	F1430-ND	20.31	18.75	14.07
12	F1411-ND	F1431-ND	22.16	20.46	15.35
13	F1412-ND	F1432-ND	24.00	22.16	16.62
14	F1413-ND	F1433-ND	25.85	23.87	17.90
15	F1414-ND	F1434-ND	27.70	25.57	19.18
16	F1415-ND	F1435-ND	29.54	27.27	20.46
17	F1416-ND	F1436-ND	31.39	28.98	21.74
18	F1417-ND	F1437-ND	33.23	30.68	23.01
19	F1418-ND	F1438-ND	35.08	32.39	24.29
20	F1419-ND	F1439-ND	36.93	34.09	25.57

† On Panel Mount, first & last position have mounting holes only.

KEYSTONE Fuseholders

For 1/4" (6.35mm)
Assembled with .125" (3.18mm) thick black phenolic

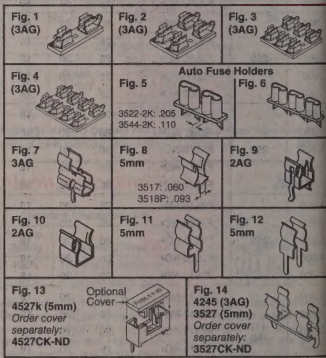


Fig.	Digi-Key Part No.	Pricing 1	10	100	500
1	3536K-ND	1.34	12.40	73.00	300.00
2	3537K-ND	2.20	20.33	130.00	540.00
3	3538K-ND	3.23	29.79	184.00	790.00
4	3539K-ND	3.91	36.53	242.00	1045.00
5	3522-2K-ND	.81	7.12	40.95	185.50
5	3544-2K-ND	.85	7.47	43.00	—
6	3522-3K-ND	1.08	9.45	54.25	246.50
7	3562K-ND	—	2.51	12.00	50.50
8	3517K-ND	—	1.89	9.85	42.00
8	3518PK-ND	—	1.90	9.85	42.00
9	3521K-ND	—	1.62	8.10	36.00
10	3561K-ND	—	1.62	8.10	36.00
11	3520K-ND	—	1.40	7.00	31.75
12	3519K-ND	—	1.38	6.65	30.75
13	4527K-ND	—	4.49	35.80	162.50
—	4527CK-ND	—	2.14	14.95	68.00
14	3527K-ND	1.24	10.84	58.00	245.00
—	4245K-ND	1.59	13.95	72.75	—
—	3527CK-ND	.39	3.69	27.10	—

In-Line Fuseholder Bayonet Knob

Universal 150145 fuseholder supplied with 15" loop of #14AWG red vinyl wire and 3 springs to accommodate all SFE size and 3AG fuses. 20 Amperes, 32V rated.

F049-ND (Littelfuse # 150145)..... **$3.21/1; $29.64/10; $222.30/100**

The 150079 fuseholder is supplied with 19" loop of #14AWG red vinyl insulated wire intended for use with 3AG fuses up to 20 Amperes.

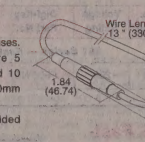
F1467-ND (Littelfuse # 150079)..... **$3.08/1; $28.44/10; $213.30/100**

2AG or 5 x 20mm In-Line Fuseholder Screw Together

Specifications:

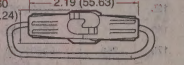
Use with 2AG and 5 x 20mm fuses. Maximum current ratings are 5 Amperes at 32V for 2AG, and 10 Amperes at 32V for the 5 x 20mm size fuses.

Wire: 16 AWG; color red. Molded parts: Black thermoplastic



F1468-ND (Littelfuse # 150274)..... **$2.51/1; $23.19/10; $173.93/100**

Universal In-Line Fuseholder Twist-Lock



Supplied with 8" (20.32cm) loop of #14 AWG red vinyl insulated wire and two springs.

Electrical: Intended for use at 32V or less with fuses rated up to 20 Amperes when the proper spring is installed for fuse size.

Molded Parts: Black thermoplastic (UL 94V2). Body halves have a .14" (8.56mm) diameter hole for insulated wire.

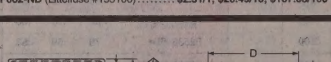
Ambient Temperature: -40° ~ 75°C.

F062-ND (Littelfuse #155100)..... **$2.31/1; $20.49/10; $167.63/100**

Richco 'Quick Fit' Fuse Covers

• For use on fuse terminal blocks or PCB-mounted fuse clips • UL recognized E81260, rating 105°C, 600V • Material: Flexible PVC, RMS-55 • Color: Transparent blue

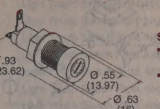
Dim.	Digi-Key Part No. RP613-ND	RP614-ND	RP615-ND	RP616-ND
A	.50 (12.70)	.50 (12.70)	.63 (16.00)	.50 (12.70)
B	.39 (9.91)	.39 (9.91)	.58 (14.73)	.39 (9.91)
C	.24 (6.10)	.28 (7.11)	.32 (8.13)	.32 (8.13)
D	.79 (20.07)	1.18 (29.97)	1.26 (32.00)	1.42 (36.07)



Fuse Type	Digi-Key Part No.	Price Each 25	100	Richco Part No.
Metric	RP613-ND	.57	.49	840620
Metric	RP614-ND	.92	.79	840730
Metric	RP615-ND	.97	.83	840832
Standard	RP616-ND	1.23	1.06	840836

Littelfuse

AG Shock-Safe Panel ount Fuseholder



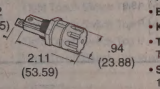
Specifications:
- **Terminals:** Brass, Tin-plated, .110" Solder/Q.C.
- **Current Rating:** 10 Amperes for any voltage up to 300V

39-ND
lfuse # 02450001) **$3.81/1; $35.16/10; $263.70/100**

ater Tight 3AG useholder

nel Mount

QPL

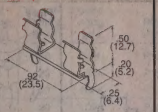


Specifications:
- **Electrical:** 20 Amperes, 250V
- **Knob:** Screw Type
- **Terminals:** Tin-plated, Solder Type
- **Seal:** O-Ring per MIL-PRF-19207

79-ND
lfuse # 03420006) **$22.89/1; $211.26/10; $1584.45/100**

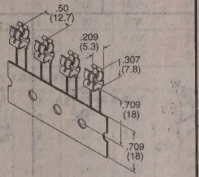
Fuse Blocks 5 x 20mm PC Board Type

Specifications:
- **Clip/Terminals:** Tin-plated spring brass
- **Base:** phenolic laminate UL940VO
- **Current Rating:** 6.3 Amperes, 250V



F1501-ND
(Littelfuse # 05200002H) ..... **$.97/1; $8.97/10; $67.28/100**

5 x 20mm Fuse Clip Automatic Insertion



Specification:
- **Clip Material:** Phosphor/Bronze
- **Finish:** Tin-plated
- **Style:** Ear

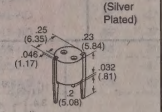
Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Ammo Size	Pricing
F043CT-ND	.25	1.80	17.64	F043TB-ND	1,000	104.40

Microfuse or PICO II Fuseholder

Fuseholder will accept Littelfuse Microfuses and PICO II™ fuses (rated to 5 Amperes) with .025" (.64mm) diameter leads.

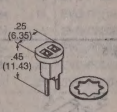
Electrical: Rated at 5 Amperes for any voltage up to 125V.
Molded Parts: White thermoplastic, Black panel mount
Terminals: Copper alloy
Ambient Temperature: -40°C – 100°C, Silver terminal plating

Fig. 1 (Silver Plated)



Vertical Shown

Fig. 2



Panel Mount Push-On

Fig.	Mounting	Digi-Key Part No.	Price Each 1	100	250
1	Vertical	F060-ND•	2.11	1.54	1.37
1	Horizontal	F061-ND•	2.11	1.54	1.37
1	Vertical	F1475-ND†	2.29	1.59	1.42
2	Panel	F1474-ND	2.47	1.72	1.53

†Plating: Tin • UL Recognized

use Clips

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6

Fig.	Accepts Fuse Type	End Stops (Ears)	Lead Type	Clip Material	Finish	Digi-Key Part No.	Price Each 10	100	250	Littelfuse Part No.
1	3AG (.250" Diameter)	Yes	Straight	Spring Brass	Tin-Plated	F040-ND	.15	.12	.10	102071
1	3AG (.250" Diameter)	No	Straight	Spring Brass	Tin-Plated	F041-ND	.20	.15	.14	102074
1	3AG (.250" Diameter)	Yes	Straight	Beryllium Copper	Silver-Plated	F046-ND	.57	.43	.38	122083
1	3AG (.250" Diameter)	Yes	Straight	Beryllium Copper	Tin-Plated	F045-ND	.47	.36	.32	122088
2	3AG (.250" Diameter)	No	Angled-In	Spring Brass	Tin-Plated	F042-ND	.30	.23	.20	102078
2	3AG (.250" Diameter)	Yes	Angled-In	Spring Brass	Tin-Plated	F052-ND	.30	.23	.20	102079
3	3AG (.250" Diameter)	Yes	Straight	Beryllium Copper	Silver-Plated	F048-ND	.53	.40	.35	122090
4	3AG (.250" Diameter)	No	Rivet/Eyelet	Spring Brass	Nickel-Plated	F038-ND	.20	.15	.13	101002
5	2AG/5 x 20mm	Yes	Straight	Spring Brass	Tin-Plated	F058-ND	.20	.15	.14	111501
5	2AG/5 x 20mm	Yes	Straight	Beryllium Copper	Tin-Plated	F044-ND	.37	.28	.25	111506
6	5 x 20mm	Yes	Straight	Spring Brass	Tin-Plated	F063-ND	.26	.16	.14	100056

mni-Blok

ecifications:
ip/Terminals: Tin-plated spring brass
ase: Black thermoplastic glass reinforced 94V0 (except 3AG type which is grey)

Agency Approvals/Current Rating Series	U.L. (Amps)	CSA (Amps)	VDE/Semko (Amps)
0254	10	10	N/A
354000	30	30	N/A
354060	20	20	N/A
354080	20	20	N/A
354101	15	15	N/A
0520	10	10	6.3

Fig. 1 Solder/Q.C.

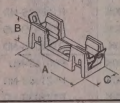
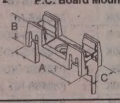
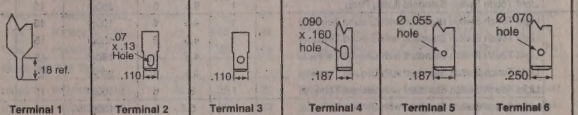


Fig. 2 P.C. Board Mount



Termination Options



Terminal 1 Solder Type P.C. Board Mount	Terminal 2 .110" Solder/Q.C.	Terminal 3 .110" NEMA/Q.C.	Terminal 4 .187" Solder/Q.C.	Terminal 5 .187" NEMA/Q.C.	Terminal 6 .250" Q.C.

Fig.	Accepts Fuse Type	Terminal Type	Dimensions - Inch A	B	C	Digi-Key Part No.	Price Each 1	10	100	Littelfuse Part No.
				0254 Series (2AG)						
1	2AG	2	.70	.50	.35	F1470-ND	1.18	1.10	.82	02540001Z
1	2AG	3	.70	.50	.35	F1472-ND	1.18	1.10	.82	02540201Z
2	2AG	1	.70	.50	.35	F1471-ND	1.02	.95	.71	02540101Z
				0354 Series (3AG)						
1	1/4" 3AG	4	1.4	.53	.50	F1497-ND	.94	.87	.66	03540001ZXGY
1	1/4" 3AG	5	1.4	.53	.50	F1499-ND	.94	.87	.66	03540601ZXGY
1	1/4" 3AG	6	1.4	.53	.50	F1500-ND	.94	.87	.66	03540801ZXGY
2	1/4" 3AG	1	1.4	.53	.50	F1498-ND	.99	.92	.69	03540101ZXGY
				0520 Series (5 x 20 mm)						
1	5 x 20mm	2	.92	.50	.40	F1503-ND	.97	.90	.68	05200004Z
1	5 x 20mm	3	.92	.50	.40	F1502-ND	.97	.90	.68	05200003Z
2	5 x 20mm	1	.92	.50	.40	F1504-ND	1.02	.95	.71	05200101Z

H

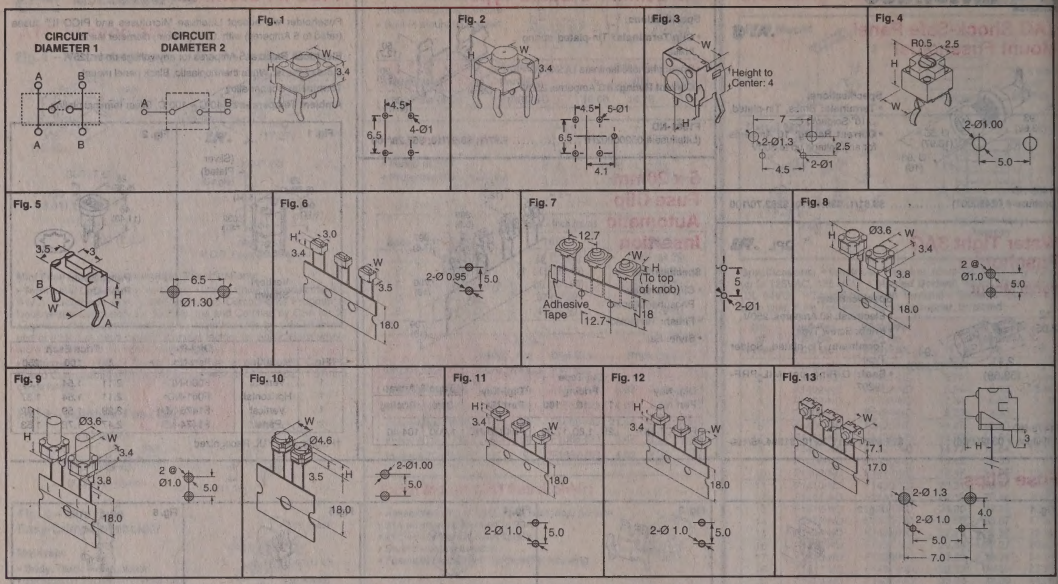


Fig.	Description	Circuit Dia.	Dim. (mm) H	Dim. (mm) W	Operating Force	Volt Rating (VDC)	Current Rating (mA)	Operating Life	Digi-Key Part No.	Price Each 1	10	100	1,000	Panasonic Part No.
	6mm Type													
1	Light Touch Switch Standard	1	4.3	6	100gf	15	20	100K	P8006S-ND	.29	.22	.19	.13	EVQ-PAC04M
	Light Touch Switch Standard	1	4.3	6	130gf	15	20	100K	P8007S-ND	.29	.22	.19	.13	EVQ-PAD04M
	Light Touch Switch Standard	1	4.3	6	160gf	15	20	100K	P8008S-ND	.29	.22	.19	.13	EVQ-PAE04M
	Light Touch Switch Standard	1	4.3	6	250gf	15	20	100K	P8009S-ND	.29	.22	.19	.13	EVQ-PAG04M
	Light Touch Switch Standard	1	5	6	100gf	15	20	100K	P8010S-ND	.29	.22	.19	.13	EVQ-PAC05R
	Light Touch Switch Standard	1	5	6	130gf	15	20	100K	P10890S-ND	.42	.32	.28	.18	EVQ-PAD05R
	Light Touch Switch Standard	1	5	6	160gf	15	20	100K	P12192S-ND	.30	.23	.20	.13	EVQ-PAE05R
	Light Touch Switch Standard	1	5	6	260gf	15	20	50K	P12195S-ND	.30	.23	.20	.13	EVQ-PAG05R
	Light Touch Switch Standard	1	7	6	100gf	15	20	100K	P8011S-ND	.29	.22	.19	.13	EVQ-PAC07K
	Light Touch Switch Standard	1	7	6	130gf	15	20	100K	P10891S-ND	.50	.38	.33	.21	EVQ-PAD07K
	Light Touch Switch Standard	1	7	6	160gf	15	20	100K	P12193S-ND	.30	.23	.20	.13	EVQ-PAE07K
	Light Touch Switch Standard	1	7	6	260gf	15	20	50K	P12196S-ND	.30	.23	.20	.13	EVQ-PAG07K
	Light Touch Switch Standard (Long Post)	1	9.5	6	100gf	15	20	100K	P8012S-ND	.29	.22	.19	.13	EVQ-PAC09K
	Light Touch Switch Standard (Long Post)	1	9.5	6	130gf	15	20	100K	P10892S-ND	1.42	1.07	.93	.59	EVQ-PAD09K
	Light Touch Switch Standard (Long Post)	1	9.5	6	160gf	15	20	100K	P12194S-ND	.28	.21	.19	.12	EVQ-PAE09K
	Light Touch Switch Standard (Long Post)	1	9.5	6	260gf	15	20	50K	P12197S-ND	.30	.23	.20	.13	EVQ-PAG09K
2	Light Touch Switch Standard with Ground Terminal	1	4.3	6	100gf	15	20	100K	P8013S-ND	.30	.23	.20	.13	EVQ-PBC04M
	Light Touch Switch Standard with Ground Terminal	1	4.3	6	130gf	15	20	100K	P12198S-ND	.29	.23	.20	.13	EVQ-PBD04M
	Light Touch Switch Standard with Ground Terminal	1	4.3	6	160gf	15	20	100K	P12200S-ND	.32	.24	.21	.14	EVQ-PBE04M
	Light Touch Switch Standard with Ground Terminal	1	4.3	6	260gf	15	20	50K	P12204S-ND	.36	.28	.24	.16	EVQ-PBG04M
	Light Touch Switch Standard with Ground Terminal	1	5	6	100gf	15	20	100K	P8014S-ND	.30	.23	.20	.13	EVQ-PBC05R
	Light Touch Switch Standard with Ground Terminal	1	5	6	130gf	15	20	100K	P10893S-ND	.32	.25	.21	.14	EVQ-PBD05R
	Light Touch Switch Standard with Ground Terminal	1	5	6	160gf	15	20	100K	P12201S-ND	.32	.24	.21	.14	EVQ-PBE05R
	Light Touch Switch Standard with Ground Terminal	1	5	6	260gf	15	20	50K	P12205S-ND	.36	.28	.24	.16	EVQ-PBG05R
	Light Touch Switch Standard with Ground Terminal	1	7	6	100gf	15	20	100K	P8015S-ND	.29	.23	.20	.13	EVQ-PBC07K
	Light Touch Switch Standard with Ground Terminal	1	7	6	130gf	15	20	100K	P10894S-ND	.38	.29	.25	.16	EVQ-PBD07K
	Light Touch Switch Standard with Ground Terminal	1	7	6	160gf	15	20	100K	P12202S-ND	.32	.24	.21	.14	EVQ-PBE07K
	Light Touch Switch Standard with Ground Terminal	1	7	6	260gf	15	20	50K	P12206S-ND	.36	.28	.24	.16	EVQ-PBG07K
	Light Touch Switch Standard w/Ground Term. (Long Post)	1	9.5	6	100gf	15	20	100K	P8016S-ND	.30	.23	.20	.13	EVQ-PBC09K
	Light Touch Switch Standard w/Ground Term. (Long Post)	1	9.5	6	130gf	15	20	100K	P12199S-ND	.29	.23	.20	.13	EVQ-PBD09K
	Light Touch Switch Standard w/Ground Term. (Long Post)	1	9.5	6	160gf	15	20	100K	P12203S-ND	.32	.24	.21	.14	EVQ-PBE09K
	Light Touch Switch Standard w/Ground Term. (Long Post)	1	9.5	6	260gf	15	20	50K	P12207S-ND	.36	.28	.24	.16	EVQ-PBG09K
3	Light Touch Switch Right Angle	2	3.15	7.5	100gf	15	20	100K	P10877S-ND	.36	.27	.24	.15	EVQ-PF003M
	Light Touch Switch Right Angle	2	3.15	7.5	130gf	15	20	100K	P10881S-ND	.36	.27	.24	.15	EVQ-PF103M
	Light Touch Switch Right Angle	2	3.15	7.5	160gf	15	20	100K	P12208S-ND	.36	.27	.24	.15	EVQ-PF203M
	Light Touch Switch Right Angle	2	3.15	7.5	260gf	15	20	50K	P12212S-ND	.36	.28	.24	.16	EVQ-PF303M
	Light Touch Switch Right Angle	2	3.85	7.5	100gf	15	20	100K	P10878S-ND	.36	.27	.24	.15	EVQ-PF004R
	Light Touch Switch Right Angle	2	3.85	7.5	130gf	15	20	100K	P10882S-ND	.40	.30	.26	.17	EVQ-PF104R
	Light Touch Switch Right Angle	2	3.85	7.5	160gf	15	20	100K	P12209S-ND	.36	.27	.24	.15	EVQ-PF204R

(Continued)

Fig.	Description	Circuit	Dim. (mm) H	Dim. (mm) W	Operating Force	Volt Rating (VDC)	Current Rating (mA)	Operating Life	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Price Each 1,000	Panasonic Part No.
	Light Touch Switch Right Angle	2	3.85	7.5	260gf	15	20	50K	P12213S-ND	.36	.28	.24	.16	EVQ-PF304R
	Light Touch Switch Right Angle	2	5.85	7.5	100gf	15	20	100K	P10879S-ND	.36	.27	.24	.15	EVQ-PF006K
	Light Touch Switch Right Angle	2	5.85	7.5	130gf	15	20	100K	P10883S-ND	.36	.27	.24	.15	EVQ-PF106K
	Light Touch Switch Right Angle	2	5.85	7.5	160gf	15	20	100K	P12210S-ND	.36	.27	.24	.15	EVQ-PF206K
3	Light Touch Switch Right Angle	2	5.85	7.5	260gf	15	20	50K	P12214S-ND	.36	.28	.24	.16	EVQ-PF306K
	Light Touch Switch Right Angle (Long Post)	2	8.35	7.5	100gf	15	20	100K	P10880S-ND	.36	.27	.24	.15	EVQ-PF008K
	Light Touch Switch Right Angle (Long Post)	2	8.35	7.5	130gf	15	20	100K	P10884S-ND	.36	.27	.24	.15	EVQ-PF108K
	Light Touch Switch Right Angle (Long Post)	2	8.35	7.5	160gf	15	20	100K	P12211S-ND	.36	.27	.24	.15	EVQ-PF208K
	Light Touch Switch Right Angle (Long Post)	2	8.35	7.5	260gf	15	20	50K	P12215S-ND	.36	.28	.24	.16	EVQ-PF308K
4	Light Touch Switch With Over Travel	2	7.45	6.2	75gf	30	50	100K	P10843S-ND	.55	.42	.36	.23	EVQ-P0E07K
	Light Touch Switch With Over Travel	2	7.45	6.2	130gf	30	50	100K	P10844S-ND	.55	.42	.36	.23	EVQ-P0D07K
	6mm x 3.5mm Type													
	Light Touch Switch Top Push	2	4.3	6	100gf	12	20	50K	P8056S-ND	.71	.53	.46	.32	EVQ-PJA04Q
	Light Touch Switch Top Push	2	4.3	6	160gf	12	20	50K	P8058S-ND	.78	.59	.51	.35	EVQ-PJB04K
	Light Touch Switch Top Push	2	4.3	6	240gf	12	20	50K	P8060S-ND	.73	.55	.48	.33	EVQ-PJC04T
5	Light Touch Switch Top Push	2	5	6	100gf	12	20	50K	P8057S-ND	.71	.53	.46	.32	EVQ-PJA05Q
	Light Touch Switch Top Push	2	5	6	160gf	12	20	50K	P8059S-ND	.71	.53	.46	.32	EVQ-PJB05K
	Light Touch Switch Top Push	2	5	6	240gf	12	20	50K	P8061S-ND	.73	.55	.48	.33	EVQ-PJC05T

Fig.	Description	Circuit	Dim. (mm) H	Dim. (mm) W	Operating Force	Volt Rating (VDC)	Current Rating (mA)	Operating Life	Digi-Key Part No.	Cut Tape Price Each 1	Cut Tape Price Each 10	Cut Tape Price Each 100	Digi-Key Part No.	Tape & Box Size	Tape & Box Pricing	Panasonic Part No.
	Light Touch Switch Top Push	2	4.3	6	100gf	12	50	50K	P12236SCT-ND	.79	.60	.52	P12236STB-ND	2,000	297.00/M	EVQ-PJG04Q
	Light Touch Switch Top Push	2	4.3	6	160gf	12	50	50K	P12238SCT-ND	.79	.60	.52	P12238STB-ND	2,000	297.00/M	EVQ-PJH04K
6	Light Touch Switch Top Push	2	4.3	6	240gf	12	50	30K	P12240SCT-ND	.79	.60	.52	P12240STB-ND	2,000	297.00/M	EVQ-PJJ04T
	Light Touch Switch Top Push	2	5	6	100gf	12	50	50K	P12237SCT-ND	.79	.60	.52	P12237STB-ND	2,000	297.00/M	EVQ-PJG05Q
	Light Touch Switch Top Push	2	5	6	160gf	12	50	50K	P12239SCT-ND	.79	.60	.52	P12239STB-ND	2,000	297.00/M	EVQ-PJH05K
	Light Touch Switch Top Push	2	5	6	240gf	12	50	30K	P12241SCT-ND	.79	.60	.52	P12241STB-ND	2,000	297.00/M	EVQ-PJJ05T
	6mm Round Type															
	L. T. Switch Long Travel	2	5	8	80gf	12	5	1000K	P8029SCT-ND	.81	.61	.53	P8029STB-ND	1,000	310.00	EVQ-QJJ05Q
7	Light Touch Switch Long Travel	2	5	8	130gf	12	5	100K	P12242SCT-ND	.81	.61	.53	P12242STB-ND	1,000	302.00	EVQ-QJE05D
	Light Touch Switch Long Travel	2	5	8	250gf	12	5	100K	P12243SCT-ND	.81	.61	.53	P12243STB-ND	1,000	302.00	EVQ-QJD05B
	Light Touch Switch	2	4.3	6	100gf	15	20	100K	P8070SCT-ND	.38	.29	.25	P8070STB-ND	2,500	141.00/M	EVQ-11A04M
	Light Touch Switch	2	4.3	6	130gf	15	20	100K	P8074SCT-ND	.38	.29	.25	P8074STB-ND	2,500	141.00/M	EVQ-11G04M
	Light Touch Switch	2	4.3	6	160gf	15	20	100K	P8078SCT-ND	.38	.29	.25	P8078STB-ND	2,500	141.00/M	EVQ-11L04M
	Light Touch Switch	2	4.3	6	260gf	15	20	100K	P8082SCT-ND	.38	.29	.25	P8082STB-ND	2,500	141.00/M	EVQ-11U04M
	Light Touch Switch	2	5	6	100gf	15	20	100K	P8071SCT-ND	.38	.29	.25	P8071STB-ND	2,500	141.00/M	EVQ-11A05R
	Light Touch Switch	2	5	6	130gf	15	20	100K	P8075SCT-ND	.38	.29	.25	P8075STB-ND	2,500	141.00/M	EVQ-11G05R
8	Light Touch Switch	2	5	6	160gf	15	20	100K	P8079SCT-ND	.38	.29	.25	P8079STB-ND	2,500	141.00/M	EVQ-11L05R
	Light Touch Switch	2	5	6	260gf	15	20	100K	P8083SCT-ND	.38	.29	.25	P8083STB-ND	2,500	141.00/M	EVQ-11U05R
	Light Touch Switch	2	7	6	100gf	15	20	100K	P8072SCT-ND	.38	.29	.25	P8072STB-ND	2,500	141.00/M	EVQ-11A07K
	Light Touch Switch	2	7	6	130gf	15	20	100K	P8076SCT-ND	.38	.29	.25	P8076STB-ND	2,500	141.00/M	EVQ-11G07K
	Light Touch Switch	2	7	6	160gf	15	20	100K	P8080SCT-ND	.38	.29	.25	P8080STB-ND	2,500	141.00/M	EVQ-11L07K
	Light Touch Switch	2	7	6	260gf	15	20	100K	P8084SCT-ND	.38	.29	.25	P8084STB-ND	2,500	141.00/M	EVQ-11U07K
	Light Touch Switch (Long Post)	2	9.5	6	100gf	15	20	100K	P8073SCT-ND	.38	.29	.25	P8073STB-ND	2,500	141.00/M	EVQ-11A09K
	Light Touch Switch (Long Post)	2	9.5	6	130gf	15	20	100K	P8077SCT-ND	.38	.29	.25	P8077STB-ND	2,500	141.00/M	EVQ-11G09K
9	Light Touch Switch (Long Post)	2	9.5	6	160gf	15	20	100K	P8081SCT-ND	.38	.29	.25	P8081STB-ND	2,500	141.00/M	EVQ-11L09K
	Light Touch Switch (Long Post)	2	9.5	6	260gf	15	20	100K	P8085SCT-ND	.38	.29	.25	P8085STB-ND	2,500	141.00/M	EVQ-11U09K
	Light Touch Switch Long Travel	2	5	6	200gf	12	50	100K	P10856SCT-ND	1.10	.83	.72	P10856STB-ND	2,500	413.00/M	EVQ-PVG05K
10	Light Touch Switch Long Travel	2	5	6	220gf	12	50	100K	P10855SCT-ND	1.41	1.06	.92	P10855STB-ND	2,500	528.00/M	EVQ-PVA05K
	Light Touch Switch Long Travel	2	5	6	250gf	12	50	100K	P10858SCT-ND	1.41	1.06	.92	P10858STB-ND	2,500	528.00/M	EVQ-PVF05K
	Light Touch Switch Long Travel	2	5	6	350gf	12	50	100K	P10857SCT-ND	1.10	.83	.72	P10857STB-ND	2,500	413.00/M	EVQ-PVH05K
	6mm Square Type															
	Light Touch Switch	2	4.3	6	100gf	15	20	100K	P12216SCT-ND	.33	.25	.22	P12216STB-ND	1,000	123.00	EVQ-21304M
	Light Touch Switch	2	4.3	6	130gf	15	20	100K	P12220SCT-ND	.33	.25	.22	P12220STB-ND	1,000	123.00	EVQ-21404M
	Light Touch Switch	2	4.3	6	160gf	15	20	100K	P12224SCT-ND	.51	.39	.34	P12224STB-ND	1,000	191.00	EVQ-21504M
	Light Touch Switch	2	4.3	6	260gf	15	20	50K	P12228SCT-ND	.33	.25	.22	P12228STB-ND	1,000	123.00	EVQ-22704M
	Light Touch Switch	2	5	6	100gf	15	20	100K	P12217SCT-ND	.52	.40	.35	P12217STB-ND	1,000	197.00	EVQ-21305R
11	Light Touch Switch	2	5	6	130gf	15	20	100K	P12221SCT-ND	.51	.39	.34	P12221STB-ND	1,000	191.00	EVQ-21405R
	Light Touch Switch	2	5	6	160gf	15	20	100K	P12225SCT-ND	.33	.25	.22	P12225STB-ND	1,000	123.00	EVQ-21505R
	Light Touch Switch	2	5	6	260gf	15	20	50K	P12229SCT-ND	.33	.25	.22	P12229STB-ND	1,000	123.00	EVQ-22705R
	Light Touch Switch	2	7	6	100gf	15	20	100K	P12218SCT-ND	.33	.25	.22	P12218STB-ND	1,000	123.00	EVQ-21307K
	Light Touch Switch	2	7	6	130gf	15	20	100K	P12222SCT-ND	.33	.25	.22	P12222STB-ND	1,000	123.00	EVQ-21407K
	Light Touch Switch	2	7	6	160gf	15	20	100K	P12226SCT-ND	.33	.25	.22	P12226STB-ND	1,000	123.00	EVQ-21507K
	Light Touch Switch	2	7	6	260gf	15	20	50K	P12230SCT-ND	.33	.25	.22	P12230STB-ND	1,000	123.00	EVQ-22707K
	Light Touch Switch (Long Post)	2	9.5	6	100gf	15	20	100K	P12219SCT-ND	.33	.25	.22	P12219STB-ND	1,000	123.00	EVQ-21309K
12	Light Touch Switch (Long Post)	2	9.5	6	130gf	15	20	100K	P12223SCT-ND	.33	.25	.22	P12223STB-ND	1,000	123.00	EVQ-21409K
	Light Touch Switch (Long Post)	2	9.5	6	160gf	15	20	100K	P12227SCT-ND	.33	.25	.22	P12227STB-ND	1,000	123.00	EVQ-21509K
	Light Touch Switch (Long Post)	2	9.5	6	260gf	15	20	50K	P12231SCT-ND	.33	.25	.22	P12231STB-ND	1,000	123.00	EVQ-22709K
	Light Touch Switch Right Angle	2	4.75	7.5	100gf	15	20	100K	P12232SCT-ND	.39	.30	.26	P12232STB-ND	700	103.60	EVQ-PCF05K
13	Light Touch Switch Right Angle	2	4.75	7.5	130gf	15	20	100K	P12233SCT-ND	.39	.30	.26	P12233STB-ND	700	103.60	EVQ-PCG05K
	Light Touch Switch Right Angle	2	4.75	7.5	160gf	15	20	100K	P12234SCT-ND	.39	.30	.26	P12234STB-ND	700	103.60	EVQ-PCH05K
	Light Touch Switch Right Angle	2	4.75	7.5	260gf	15	20	100K	P12235SCT-ND	.39	.30	.26	P12235STB-ND	700	103.60	EVQ-PCD05K

OMRON Momentary Tact Switches

CHARACTERISTICS: • **Switching Capacity:** 50mA, 24VDC (resistive load) • **Contact Resistance:** 100mΩ maximum • **Bounce Time:** 5ms maximum • **Vibration:** Malfunction durability: 10 ~ 55Hz, 1.5mm double amplitude • **Shock:** Mechanical durability: 1,000m/s² (approximate 100G); Malfunction durability: 100m/s² (approximate 10G) • **Ambient Temperature:** Operating: -25°C ~ 70°C • **Service Life:** • ***B3F-1 Series,*** ***B3F-3 Series*** — Mechanical/Electrical: 1 x 10^6 ($0.3 x 10^6) operations minimum • ***B3F-4 Series*** — Mechanical/Electrical: 3 x 10^6 ($0.3 x 10^6) operations minimum • ***B3S-1 Series*** — Mechanical/Electrical: General-purpose type: 500,000 operations minimum; High-load type: 300,000 operations minimum • ***B3W-1 Series*** — Mechanical/Electrical: General-purpose type: 1,000,000 operations minimum; High-load type: 300,000 operations minimum • ***B3W-4 Series*** — Mechanical/Electrical: General-purpose type: 3,000,000 operations minimum; High-load type: 1,000,000 operations minimum

Fig.	Description	Dim. H (mm)	Digi-Key Part No.	Pricing 1	25	50	100	Omron Part No.
	6 MM (not washable)							
1	Tact Switch, Low Force, Flat Actuator without Ground Terminal — 100gf	4.3	SW400-ND	.20	4.50	8.00	14.40	B3F-1000
	Tact Switch, Medium Force, Flat Actuator without Ground Terminal — 150gf	4.3	SW401-ND	.23	5.06	9.00	16.20	B3F-1002
	Tact Switch, High Force, Flat Actuator without Ground Terminal — 260gf	4.3	SW793-ND	.28	6.38	11.34	20.41	B3F-1005
	Tact Switch, Low Force, Flat Actuator without Ground Terminal — 100gf	5.0	SW402-ND	.23	5.06	9.00	16.20	B3F-1020
	Tact Switch, Medium Force, Flat Actuator without Ground Terminal — 150gf	5.0	SW403-ND	.23	5.06	9.00	16.20	B3F-1022
	Tact Switch, Medium Force, Flat Actuator with Ground Terminal — 150 gf	5.0	SW849-ND	.31	6.90	12.27	22.09	B3F-1122
	Tact Switch, High Force, Flat Actuator without Ground Terminal — 260gf	5.0	SW794-ND	.30	6.81	12.10	21.78	B3F-1025
2	Tact Switch, Low Force, Flat Actuator without Ground Terminal — 100gf	9.5	SW406-ND	.25	5.63	10.00	18.00	B3F-1070
	Tact Switch, Low Force, Projected Actuator without Ground Terminal — 100gf	7.3	SW404-ND	.23	5.06	9.00	16.20	B3F-1050
	Tact Switch, Medium Force, Projected Actuator with Ground Terminal — 150 gf	7.3	SW850-ND	.31	6.90	12.27	22.09	B3F-1152
	Tact Switch, Medium Force, Projected Actuator without Ground Terminal — 150gf	7.3	SW405-ND	.23	5.06	9.00	16.20	B3F-1052
	Tact Switch, High Force, Projected Actuator without Ground Terminal — 260gf	7.3	SW795-ND	.47	10.61	18.86	33.95	B3F-1055
3	Tact Switch, Low Force, Right Angle, Flat Actuator — 100gf	3.85	SW407-ND	.30	6.75	12.00	21.60	B3F-3120
	Tact Switch, Medium Force, Right Angle, Flat Actuator — 150gf	3.85	SW408-ND	.30	6.75	12.00	21.60	B3F-3122
	Tact Switch, High Force, Right Angle, Flat Actuator — 260gf	3.85	SW851-ND	.30	6.75	12.00	21.60	B3F-3125
4	Tact Switch, Low Force, Right Angle, Projected Actuator — 100gf	6.15	SW409-ND	.30	6.75	12.00	21.60	B3F-3150
	Tact Switch, Medium Force, Right Angle, Projected Actuator — 150gf	6.15	SW410-ND	.30	6.75	12.00	21.60	B3F-3152
	6 MM Gold Plated Contacts (not washable)							
1	Tact Switch, Gold Plated Contact, Flat Actuator without Ground Terminal — 150gf	4.3	SW787-ND	2.61	58.78	104.50	188.10	B3F-1002-G
	Tact Switch, Gold Plated Contact, Flat Actuator with Ground Terminal — 150gf	4.3	SW789-ND	2.75	61.86	109.97	197.95	B3F-1102-G
	Tact Switch, Gold Plated Contact, Flat Actuator without Ground Terminal — 150gf	5.0	SW788-ND	2.61	58.78	104.50	188.10	B3F-1022-G
	Tact Switch, Gold Plated Contact, Flat Actuator with Ground Terminal — 150gf	5.0	SW790-ND	2.75	61.86	109.97	197.95	B3F-1122-G
	6 MM Process Sealed (not water washable)							
5	SMT Flat Actuator without Ground Terminal — 160gf	4.3	SW415-ND	.45	10.13	18.00	32.40	B3S-1000
	SMT Flat Actuator without Ground Terminal — 230gf	4.3	SW416-ND	.45	10.13	18.00	32.40	B3S-1002
6	Tact Switch Flat Actuator without Ground Terminal — 160gf	4.3	SW417-ND	.35	7.88	14.00	25.20	B3W-1000BYOMZ
	Tact Switch Flat Actuator without Ground Terminal — 230gf	4.3	SW418-ND	.35	7.88	14.00	25.20	B3W-1002BYOMZ
7	Tact Switch Projected Actuator without Ground Terminal — 160gf	4.3	SW419-ND	.35	7.88	14.00	25.20	B3W-1050BYOMZ
	Tact Switch Projected Actuator without Ground Terminal — 230gf	4.3	SW420-ND	.35	7.88	14.00	25.20	B3W-1052BYOMZ
	Tact Switch Projected Actuator with Ground Terminal — 160gf	4.3	SW453-ND	.50	11.20	19.91	35.84	B3W-1100
	12 MM (not washable)							
8	Tact Switch Standard, Flat Actuator without Ground Terminal — 130gf	4.3	SW411-ND	.30	6.75	12.00	21.60	B3F-4000
	Tact Switch Standard, Flat Actuator without Ground Terminal — 260gf	4.3	SW412-ND	.30	6.75	12.00	21.60	B3F-4005
9	Tact Switch Standard, Projected Actuator without Ground Terminal — 130gf	7.3	SW413-ND	.30	6.75	12.00	21.60	B3F-4050
	Tact Switch Standard, Projected Actuator with Ground Terminal — 130gf	7.3	SW835-ND	.51	11.44	20.33	36.59	B3F-4150
	Tact Switch Standard, Projected Actuator without Ground Terminal — 260gf	7.3	SW414-ND	.30	6.75	12.00	21.60	B3F-4055
5	Tact Switch, Long Service Life, Flat Actuator without Ground Terminal — 130gf	4.3	SW800-ND	.45	10.23	18.19	32.74	B3F-5000
9	Tact Switch, Long Service Life, Projected Actuator w/out Ground Terminal — 130gf	4.3	SW801-ND	.45	10.23	18.19	32.74	B3F-5050
	Tact Switch, Long Service Life, Projected Actuator with Ground Terminal — 130gf	4.3	SW852-ND	.45	10.23	18.19	32.74	B3F-5100
	12 MM Process Sealed (not water washable)							
10	Tact Switch, Medium Force, Flat Actuator without Ground Terminal — 200gf	4.3	SW421-ND	.43	9.56	17.00	30.60	B3W-4000BYOMZ
	Tact Switch, Medium Force, Flat Actuator with Ground Terminal — 200gf	4.3	SW854-ND	.59	13.31	23.67	42.61	B3W-4100
9	Tact Switch, Medium Force, Projected Actuator without Ground Terminal — 200gf	7.3	SW422-ND	.43	9.56	17.00	30.60	B3W-4050BYOMZ
	Tact Switch, High Force, Projected Actuator without Ground Terminal — 350gf	7.3	SW838-ND	.72	16.12	28.66	51.59	B3W-4055BYOMZ
	Tact Switch, Medium Force, Projected Actuator with Ground Terminal — 200gf	7.3	SW839-ND	.59	13.31	23.67	42.61	B3W-4150BYOMZ
	Tact Switch, High Force, Flat Actuator with Ground Terminal — 350gf	7.3	SW856-ND	.59	13.31	23.67	42.61	B3W-4155
	B3F and B3W Key Caps for Projected Actuator							
11	Key Cap 4 x 4mm Light Grey/Tan, Fits 6mm Projected Actuator Types	—	SW450-ND	.43	5.25	8.84	15.81	B32-1000
	Key Cap 4 x 4mm Black, Fits 6mm Projected Actuator Types	—	SW451-ND	.43	5.25	8.84	15.81	B32-1010
	Key Cap 4 x 4mm Orange, Fits 6mm Projected Actuator Types	—	SW845-ND	.18	3.94	7.00	12.60	B32-1020
	Key Cap 4 x 4mm Yellow, Fits 6mm Projected Actuator Types	—	SW249-ND	.43	5.25	8.84	15.81	B32-1030
	Key Cap 4 x 4mm Blue, Fits 6mm Projected Actuator Types	—	SW250-ND	.43	5.25	8.84	15.81	B32-1040
	Key Cap 4 x 4mm White, Fits 6mm Projected Actuator Types	—	SW251-ND	.43	5.25	8.84	15.81	B32-1060
	Key Cap 4 x 4mm Red, Fits 6mm Projected Actuator Types	—	SW252-ND	.43	5.25	8.84	14.37	B32-1080
12	Key Cap 9 x 9mm Light Grey/Tan, Fits 12mm Projected Actuator Types	9	SW452-ND	.43	5.25	8.84	15.81	B32-1200
	Key Cap 9 x 9mm Black, Fits 12mm Projected Actuator Types	9	SW453-ND	.43	5.25	8.84	15.81	B32-1210
	Key Cap 9 x 9mm Yellow, Fits 12mm Projected Actuator Types	9	SW253-ND	.43	5.25	8.84	15.81	B32-1230
	Key Cap 9 x 9mm Blue, Fits 12mm Projected Actuator Types	9	SW254-ND	.43	5.25	8.84	15.81	B32-1240
	Key Cap 9 x 9mm Green, Fits 12mm Projected Actuator Types	9	SW846-ND	.18	3.94	7.00	12.60	B32-1250
	Key Cap 9 x 9mm White, Fits 12mm Projected Actuator Types	9	SW255-ND	.43	5.25	8.84	15.81	B32-1260
	Key Cap 9 x 9mm Red, Fits 12mm Projected Actuator Types	9	SW256-ND	.43	5.25	8.84	15.81	B32-1280
13	Key Cap 12 x 12mm Light Grey/Tan, Fits 12mm Projected Actuator Types	12	SW454-ND	.43	5.25	8.84	15.81	B32-1300
	Key Cap 12 x 12mm Black, Fits 12mm Projected Actuator Types	12	SW455-ND	.43	5.25	8.84	15.81	B32-1310
	Key Cap 12 x 12mm Yellow, Fits 12mm Projected Actuator Types	12	SW257-ND	.43	5.25	8.84	15.81	B32-1330
	Key Cap 12 x 12mm Blue, Fits 12mm Projected Actuator Types	12	SW258-ND	.43	5.25	8.84	15.81	B32-1340
	Key Cap 12 x 12mm White, Fits 12mm Projected Actuator Types	12	SW259-ND	.43	5.25	8.84	15.81	B32-1360
	Key Cap 12 x 12mm Red, Fits 12mm Projected Actuator Types	12	SW260-ND	.43	5.25	8.84	15.81	B32-1380
	Key Cap 9.5mm Diameter, Black, Fits 12mm Projected Actuator Type	—	SW847-ND	.32	7.19	12.78	23.00	B32-1610
	Key Cap 9.5mm Diameter, Yellow, Fits 12mm Projected Actuator Type	—	SW848-ND	.32	7.19	12.78	23.00	B32-1630
	6MM Long Stroke Tact Switch							
14	Tact Switch with Long Stroke and Positive Click — 70gf	7.3	SW426-ND	.63	14.06	25.00	45.00	B3M-6009

Fig.	Description	Dim. H (mm)	Digi-Key Part No.	Cut Tape Pricing 1	25	50	Digi-Key Part No.	Tape and Reel Size	Pricing	Omron Part No.
	6 MM Auto Placement; Flat Actuator (not washable)									
15	Tact Switch Auto-Placement 6mm Square — 100gf	4.3	SW263CT-ND	.30	6.82	12.37	SW263TB-ND*	1,000	125.00	B3F-6000BYOMZ
	Tact Switch Auto-Placement 6mm Square — 150gf	4.3	SW787-ND	.33	7.31	13.00	—	—	—	B3F-6002BYOMZ
	Tact Switch Auto-Placement 6mm Square — 100gf	5.0	SW796-ND	.37	8.25	14.67	—	—	—	B3F-6050BYOMZ
	Tact Switch Auto-Placement 6mm Square — 150gf	5.0	SW264CT-ND	.32	7.22	13.11	SW264TB-ND*	1,000	137.50	B3F-6022BYOMZ
	6 MM Auto Placement; Projected Actuator (not washable)									
16	Tact Switch Auto-Placement 6mm Square — 100gf	7.3	SW798-ND	.39	8.81	15.66	—	—	—	B3F-6050
	Tact Switch Auto-Placement 6mm Square — 150gf	7.3	SW799-ND	.39	8.81	15.66	—	—	—	B3F-6052BYOMZ
17	Tact Switch Auto-Placement, Water Tight, Dust Sealed	—	SW425CT-ND	.51	11.48	20.83	SW425TB-ND*	1,000	212.50	B3WN-6002
	6 MM Process Sealed (not water washable)									
18	SMT Flat Actuator without Ground Terminal — 160gf	3.1	SW261CT-ND	.76	17.08	30.99	SW261TR-ND**	3,000	325.00/M	B3SN-3012P
	SMT Flat Actuator with Ground Terminal — 160gf	3.1	SW262CT-ND	.76	17.08	30.99	SW262TR-ND**	3,000	325.00/M	B3SN-3112P
19	SMT Tact Switch 6mm Square (snap-action) — 100gf	3.1	SW423CT-ND	.45	10.13	18.38	SW423TR-ND**	3,000	187.50/M	B3FS-1000P
	SMT Tact Switch 6mm Square — 160gf	4.3	SW836CT-ND	.55	12.38	22.00	SW836TR-ND**	1,000	297.00	B3S-1000P
	SMT Tact Switch 6mm Square (snap-action) — 150gf	3.1	SW424CT-ND	.41	9.18	16.66	SW424TR-ND**	3,000	170.00/M	B3FS-1002P
	SMT Tact Switch 6mm Square — 230gf	4.3	SW837CT-ND	.55	12.38	22.00	SW837TR-ND**	1,000	297.00	B3S-1002P
	SMT Tact Switch 6mm Square — 160gf	4.3	SW844CT-ND	.71	16.06	29.14	SW844TR-ND**	1,000	297.38	B3S-1100P
	6 MM Process Sealed; Projected Actuator (not water washable)									
20	SPST Tact Switch 6mm Square (snap-action) — 100gf	7.3	SW791-ND	.66	14.77	26.26	—	—	—	B3FS-1050
	SPST Tact Switch 6mm Square (snap-action) — 150gf	7.3	SW792-ND	.66	14.77	26.26	—	—	—	B3FS-1052

* TB = Tape and Box ** TR = Tape and Reel

Fig. 1

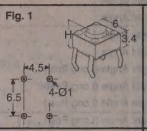


Fig. 2

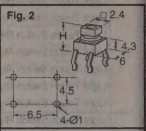


Fig. 3

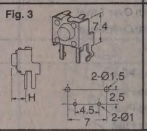


Fig. 4

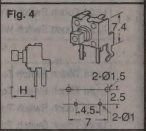


Fig. 5

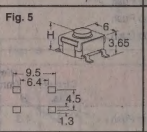


Fig. 6

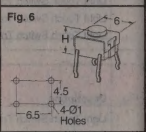


Fig. 7

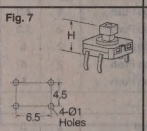


Fig. 8

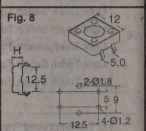


Fig. 9

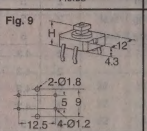


Fig. 10

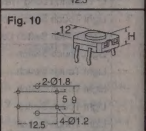


Fig. 11

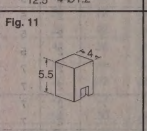


Fig. 12

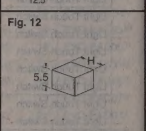


Fig. 13

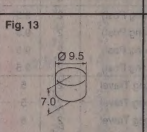


Fig. 14

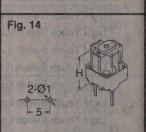


Fig. 15

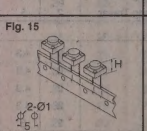


Fig. 16

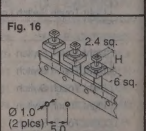


Fig. 17
Sealed

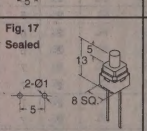
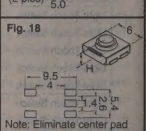
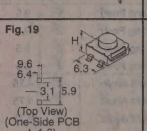


Fig. 18



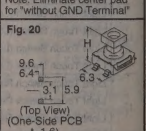
Note: Eliminate center pad for "without GND Terminal"

Fig. 19



(Top View)
(One-Side PCB t=1.6)

Fig. 20



(Top View)
(One-Side PCB t=1.6)

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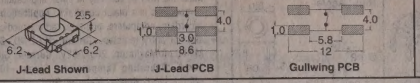
Sealed Surface Mount Tact Switches KSC Series — (Washable) Totally Sealed (IP67)

uit: SPST-NO

tching: Maximum Voltage: 32VDC
Maximum Current: Silver: 50mA; Gold: 10mA

tact Resistance: 100mΩ

erating Temperature: Silver: -40°C ~ 85°C;
Gold: -40°C ~ 125°C



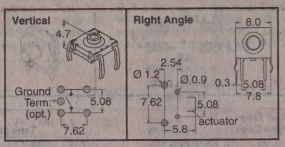
erating Force	Actuator	Termination	Contact Material	Digi-Key Part No.	Cut Tape Price Each 1	25	100	Digi-Key Part No.	Tape and Reel Size	Pricing	ITT Industries Part No.
60gF	Flush	Gullwing	Silver	401-1455-1-ND	.53	.49	.45	401-1455-2-ND	2,000	291.60/M	KSC121G
60gF	Flush	Gullwing	Silver	401-1749-1-ND‡	.36	.33	.31	401-1749-2-ND‡	2,000	198.00/M	KSC121GLFS
60gF	Flush	J-Lead	Silver	401-1456-1-ND	.53	.49	.45	401-1456-2-ND	2,000	291.60/M	KSC121J
60gF	Flush	J-Lead	Silver	401-1750-1-ND‡	.36	.33	.31	401-1750-2-ND‡	2,000	198.00/M	KSC121JLFS
300gF	Flush	Gullwing	Silver	401-1071-1-ND	.47	.44	.41	401-1071-2-ND	2,000	262.80/M	KSC141G
300gF	Flush	Gullwing	Silver	401-1751-1-ND‡	.36	.33	.31	401-1751-2-ND‡	2,000	198.00/M	KSC141GLFS
300gF	Flush	J-Lead	Silver	401-1072-1-ND	.47	.44	.41	401-1072-2-ND	2,000	262.80/M	KSC141J
300gF	Flush	J-Lead	Silver	401-1752-1-ND‡	.36	.33	.31	401-1752-2-ND‡	2,000	198.00/M	KSC141JLFS
550gF	Flush	Gullwing	Silver	401-1073-1-ND	.49	.45	.42	401-1073-2-ND	2,000	270.00/M	KSC151G
550gF	Flush	Gullwing	Silver	401-1753-1-ND‡	.48	.45	.41	401-1753-2-ND‡	2,000	264.60/M	KSC151GLFS
550gF	Flush	J-Lead	Silver	401-1074-1-ND	.49	.45	.42	401-1074-2-ND	2,000	270.00/M	KSC151J
550gF	Flush	J-Lead	Silver	401-1754-1-ND‡	.48	.45	.41	401-1754-2-ND‡	2,000	264.60/M	KSC151JLFS
120gF	Soft 3.5mm	Gullwing	Silver	401-1457-1-ND	.47	.44	.41	401-1457-2-ND	2,000	262.80/M	KSC201G
120gF	Soft 3.5mm	Gullwing	Silver	401-1755-1-ND‡	.38	.36	.33	401-1755-2-ND‡	2,000	212.40/M	KSC201GLFS
120gF	Soft 3.5mm	J-Lead	Silver	401-1458-1-ND	.47	.44	.41	401-1458-2-ND	2,000	262.80/M	KSC201J
120gF	Soft 3.5mm	J-Lead	Silver	401-1756-1-ND‡	.38	.36	.33	401-1756-2-ND‡	2,000	212.40/M	KSC201JLFS
200gF	Soft 3.5mm	Gullwing	Silver	401-1075-1-ND	.55	.51	.47	—	—	—	KSC221G
200gF	Soft 3.5mm	Gullwing	Silver	401-1757-1-ND‡	.39	.37	.34	401-1757-2-ND‡	2,000	217.80/M	KSC221GLFS
200gF	Soft 3.5mm	J-Lead	Silver	401-1076-1-ND	.55	.51	.47	—	—	—	KSC221J
200gF	Soft 3.5mm	J-Lead	Silver	401-1758-1-ND‡	.39	.37	.34	401-1758-2-ND‡	2,000	217.80/M	KSC221JLFS
200gF	Soft 3.5mm	Gullwing	Gold	401-1459-1-ND	.59	.54	.50	401-1459-2-ND	2,000	324.00/M	KSC223G
200gF	Soft 3.5mm	Gullwing	Gold	401-1759-1-ND‡	.51	.48	.44	401-1759-2-ND‡	2,000	284.40/M	KSC223GLFG
200gF	Soft 3.5mm	J-Lead	Gold	401-1460-1-ND	.59	.54	.50	401-1460-2-ND	2,000	324.00/M	KSC223J
200gF	Soft 3.5mm	J-Lead	Gold	401-1760-1-ND‡	.51	.48	.44	401-1760-2-ND‡	2,000	284.40/M	KSC223JLFG
350gF	Soft 3.5mm	Gullwing	Silver	401-1077-1-ND	.51	.48	.44	401-1077-2-ND	2,000	282.60/M	KSC241G
350gF	Soft 3.5mm	Gullwing	Silver	401-1761-1-ND‡	.38	.35	.32	401-1761-2-ND‡	2,000	208.80/M	KSC241GLFS
350gF	Soft 3.5mm	J-Lead	Silver	401-1078-1-ND	.56	.52	.48	—	—	—	KSC241J
350gF	Soft 3.5mm	J-Lead	Silver	401-1762-1-ND‡	.38	.35	.32	401-1762-2-ND‡	2,000	208.80/M	KSC241JLFS
300gF	Soft 3.5mm	Gullwing	Gold	401-1269-1-ND	.66	.62	.57	401-1269-2-ND	2,000	367.20/M	KSC243G
300gF	Soft 3.5mm	Gullwing	Gold	401-1763-1-ND‡	.53	.49	.45	401-1763-2-ND‡	2,000	291.60/M	KSC243GLFG
300gF	Soft 3.5mm	J-Lead	Gold	401-1700-1-ND	.66	.62	.57	—	—	—	KSC243J
300gF	Soft 3.5mm	J-Lead	Gold	401-1764-1-ND‡	.53	.49	.45	401-1764-2-ND‡	2,000	291.60/M	KSC243JLFG
160gF	Hard 3.5mm	Gullwing	Silver	401-1268-1-ND	.45	.42	.38	401-1268-2-ND	2,000	246.60/M	KSC321G
160gF	Hard 3.5mm	Gullwing	Silver	401-1765-1-ND‡	.38	.36	.33	401-1765-2-ND‡	2,000	212.40/M	KSC321GLFS
160gF	Hard 3.5mm	J-Lead	Silver	401-1701-1-ND	.45	.42	.38	401-1701-2-ND	2,000	247.00/M	KSC321J
160gF	Hard 3.5mm	J-Lead	Silver	401-1766-1-ND‡	.38	.36	.33	401-1766-2-ND‡	2,000	212.40/M	KSC321JLFS
200gF	Hard 3.5mm	Gullwing	Gold	401-1461-1-ND	.57	.53	.48	—	—	—	KSC323G
200gF	Hard 3.5mm	Gullwing	Gold	401-1767-1-ND‡	.50	.46	.43	401-1767-2-ND‡	2,000	275.40/M	KSC323GLFG
200gF	Hard 3.5mm	J-Lead	Gold	401-1462-1-ND	.57	.53	.48	401-1462-2-ND	2,000	313.20/M	KSC323J
200gF	Hard 3.5mm	J-Lead	Gold	401-1768-1-ND‡	.50	.46	.43	401-1768-2-ND‡	2,000	275.40/M	KSC323JLFG
300gF	Hard 3.5mm	Gullwing	Silver	401-1463-1-ND	.47	.44	.40	401-1463-2-ND	2,000	259.20/M	KSC341G
300gF	Hard 3.5mm	Gullwing	Silver	401-1769-1-ND‡	.47	.44	.40	401-1769-2-ND‡	2,000	212.40/M	KSC341GLFS
300gF	Hard 3.5mm	J-Lead	Silver	401-1267-1-ND	.47	.44	.40	401-1267-2-ND	2,000	259.20/M	KSC341J
300gF	Hard 3.5mm	J-Lead	Silver	401-1770-1-ND‡	.38	.36	.33	401-1770-2-ND‡	2,000	212.40/M	KSC341JLFS
300gF	Hard 3.5mm	Gullwing	Gold	401-1464-1-ND	.57	.53	.49	401-1464-2-ND	2,000	316.80/M	KSC343G
300gF	Hard 3.5mm	Gullwing	Gold	401-1771-1-ND‡	.50	.46	.43	401-1771-2-ND‡	2,000	275.40/M	KSC343GLFG
300gF	Hard 3.5mm	J-Lead	Gold	401-1465-1-ND	.57	.53	.49	401-1465-2-ND	2,000	316.80/M	KSC343J
300gF	Hard 3.5mm	J-Lead	Gold	401-1772-1-ND‡	.50	.46	.43	401-1772-2-ND‡	2,000	275.40/M	KSC343JLFG
550gF	Hard 3.5mm	Gullwing	Silver	401-1272-1-ND	.58	.54	.50	401-1272-2-ND	2,000	322.20/M	KSC351G
550gF	Hard 3.5mm	Gullwing	Silver	401-1773-1-ND‡	.43	.40	.37	401-1773-2-ND‡	2,000	237.60/M	KSC351GLFS
550gF	Hard 3.5mm	J-Lead	Silver	401-1270-1-ND	.58	.54	.50	401-1270-2-ND	2,000	322.20/M	KSC351J
550gF	Hard 3.5mm	J-Lead	Silver	401-1774-1-ND‡	.43	.40	.37	401-1774-2-ND‡	2,000	237.60/M	KSC351JLFS
120gF	Soft 5.2mm	J-Lead	Silver	401-1466-1-ND	.60	.56	.51	401-1466-2-ND	1,000	333.00	KSC401J50SH
120gF	Soft 5.2mm	J-Lead	Silver	401-1775-1-ND‡	.46	.43	.40	401-1775-2-ND‡	1,000	255.60	KSC401J50SH LFS
120gF	Soft 5.2mm	J-Lead	Gold	401-1467-1-ND	.83	.77	.71	401-1467-2-ND	1,000	460.80	KSC403J50SH
120gF	Soft 5.2mm	J-Lead	Gold	401-1776-1-ND‡	.72	.67	.62	401-1776-2-ND‡	1,000	399.60	KSC403J50SH LFG
140gF	Soft 5.2mm	Gullwing	Silver	401-1468-1-ND	.53	.49	.45	—	—	—	KSC411G70SH
140gF	Soft 5.2mm	Gullwing	Silver	401-1777-1-ND‡	.46	.42	.39	401-1777-2-ND‡	1,000	252.00	KSC411G70SH LFS
140gF	Soft 5.2mm	J-Lead	Silver	401-1469-1-ND	.53	.49	.45	401-1469-2-ND	1,000	291.60	KSC411J70SH
140gF	Soft 5.2mm	J-Lead	Silver	401-1778-1-ND‡	.46	.42	.39	401-1778-2-ND‡	1,000	252.00	KSC411J70SH LFS
160gF	Soft 5.2mm	Gullwing	Silver	401-1079-1-ND	.46	.43	.39	—	—	—	KSC421G70SH
160gF	Soft 5.2mm	Gullwing	Silver	401-1779-1-ND‡	.44	.41	.37	401-1779-2-ND‡	1,000	241.20	KSC421G70SH LFS
160gF	Soft 5.2mm	J-Lead	Silver	401-1080-1-ND	.53	.49	.45	—	—	—	KSC421J70SH
160gF	Soft 5.2mm	J-Lead	Silver	401-1780-1-ND‡	.67	.63	.57	401-1780-2-ND‡	1,000	241.20	KSC421J70SH LFS
170gF	Soft 5.2mm	Right Angle	Silver	401-1472-ND†	.96	.89	.82	—	—	—	KSC421V30ACT2.95
170gF	Soft 5.2mm	Right Angle	Silver	401-1781-ND‡	.67	.63	.57	—	—	—	KSC421V30ACT2.95LFS
170gF	Soft 5.2mm	J-Lead	Gold	401-1473-1-ND	.67	.62	.57	401-1473-2-ND	1,000	370.80	KSC423J70SH
170gF	Soft 5.2mm	J-Lead	Gold	401-1782-1-ND‡	.68	.63	.58	401-1782-2-ND‡	1,000	378.00	KSC423J70SH LFG
320gF	Soft 5.2mm	Gullwing	Silver	401-1081-1-ND	.49	.45	.42	401-1081-2-ND	1,000	270.00	KSC441G70SH
320gF	Soft 5.2mm	Gullwing	Silver	401-1783-1-ND‡	.45	.42	.38	401-1783-2-ND‡	1,000	248.40	KSC441G70SH LFS
320gF	Soft 5.2mm	J-Lead	Silver	401-1082-1-ND	.49	.45	.42	—	—	—	KSC441J70SH
320gF	Soft 5.2mm	J-Lead	Silver	401-1784-1-ND‡	.45	.42	.38	401-1784-2-ND‡	1,000	248.40	KSC441J70SH LFS
320gF	Soft 5.2mm	J-Lead	Gold	401-1476-1-ND	.59	.55	.51	401-1476-2-ND	1,000	327.60	KSC443J70SH
320gF	Soft 5.2mm	J-Lead	Gold	401-1785-1-ND‡	.72	.66	.61	401-1785-2-ND‡	1,000	396.00	KSC443J70SH LFG
200gF	Rocker 5.6mm	Gullwing	Silver	401-1477-1-ND	.43	.40	.37	—	—	—	KSC521G
200gF	Rocker 5.6mm	Gullwing	Silver	401-1907-1-ND‡ ***NEW!***	.47	.44	.40	401-1907-2-ND‡ ***NEW!***	1,000	261.00	KSC521GROHS
200gF	Rocker 5.6mm	J-Lead	Silver	401-1478-1-ND	.47	.44	.40	—	—	—	KSC521J
200gF	Rocker 5.6mm	J-Lead	Silver	401-1908-1-ND‡ ***NEW!***	.47	.44	.40	401-1908-2-ND‡ ***NEW!***	1,000	261.00	KSC521JROHS
300gF	Rocker 5.6mm	Gullwing	Silver	401-1083-1-ND	.57	.53	.48	—	—	—	KSC541G
300gF	Rocker 5.6mm	Gullwing	Silver	401-1909-1-ND‡ ***NEW!***	.52	.48	.44	401-1909-2-ND‡ ***NEW!***	1,000	286.20	KSC541GROHS
300gF	Rocker 5.6mm	J-Lead	Silver	401-1084-1-ND	.57	.53	.48	401-1084-2-ND	1,000	313.20	KSC541J
300gF	Rocker 5.6mm	J-Lead	Silver	401-1910-1-ND‡ ***NEW!***	.52	.48	.44	401-1910-2-ND‡ ***NEW!***	1,000	286.20	KSC541JROHS
160gF	Hard 7.7mm	Gullwing	Silver	401-1085-1-ND	.51	.48	.44	401-1085-2-ND	750	211.95	KSC621G
160gF	Hard 7.7mm	Gullwing	Silver	401-1786-1-ND‡	.51	.47	.43	401-1786-2-ND‡	750	210.60	KSC621GLFS
160gF	Hard 7.7mm	J-Lead	Silver	401-1086-1-ND	.51	.48	.44	—	—	—	KSC621J
160gF	Hard 7.7mm	J-Lead	Silver	401-1748-1-ND‡	.51	.48	.44	401-1748-2-ND‡	750	210.60	KSC621JLFS
300gF	Hard 7.7mm	Gullwing	Silver	401-1087-1-ND	.51	.48	.44	401-1087-2-ND	750	213.30	KSC641G
300gF	Hard 7.7mm	Gullwing	Silver	401-1787-1-ND‡	.52	.49	.45	401-1787-2-ND‡	750	217.35	KSC641GLFS
300gF	Hard 7.7mm	J-Lead	Silver	401-1088-1-ND	.51	.48	.44	—	—	—	KSC641J
300gF	Hard 7.7mm	J-Lead	Silver	401-1788-1-ND‡	.52	.49	.45	401-1788-2-ND‡	750	217.35	KSC641JLFS
170gF	Soft 5.2mm	Right Angle	Silver	401-1619-ND†	.96	.89	.82	—	—	—	KSC421V30ACT3.17
170gF	Soft 5.2mm	Right Angle	Silver	401-1769-ND‡	.67	.63	.57	—	—	—	KSC421V30ACT3.17LFS
170gF	Hard 7.7mm	Right Angle	Silver	401-1620-ND†	1.34	1.24	1.14	—	—	—	KSC821V

Bulk ‡ *RoHS Compliant*

KSA Series Sealed Tact Switches, (Washable)

Miniature tact switch is single pole, single throw, normally open and designed for automatic or manual insertion.

Circuit: SPST-NO **Switching:** Current Maximum: Silver: 50mA; Gold: 10mA **Voltage Maximum:** 50VDC **Contact Resistance:** 50mΩ **Total Travel:** .03–0.5mm **Operating Life:** 10⁵ **Operating Temperature:** Silver: -40°C ~ 90°C; Gold: -40°C ~ 125°C



MARK II Versions are improved seal versions.

Description	Digi-Key Part No.	Price Each 1	25	100	ITT Industries Part No.
Vertical, 7.4mm sq, 130gF, Flux Sealed	401-1433-ND	.78	.72	.66	KSA0M210
Vertical, 7.4mm sq, 130gF, Totally Sealed	401-1047-ND	.81	.75	.69	KSA0M211
Vertical, 7.4mm sq, 130gF, Totally Sealed	401-1807-ND†	.44	.41	.38	KSA0M211LFT
Vertical, 6.2mm sq, 130gF, Mark II Sealed	401-1434-ND	.89	.83	.76	KSA0M212
Vertical, 6.2mm sq, 130gF, Mark II Sealed	401-1808-ND†	.43	.40	.37	KSA0M212LFT
Vertical, 7.4mm sq, 130gF, Flux Sealed, Long Life	401-1435-ND	.87	.81	.74	KSA0M310
Vertical, 7.4mm sq, 130gF, Totally Sealed, Long Life	401-1048-ND	.89	.83	.76	KSA0M311
Vertical, 7.4mm sq, 130gF, Totally Sealed, Long Life	401-1809-ND†	.44	.41	.38	KSA0M311LFT
Vertical, 6.2mm sq, 130gF, Mark II Sealed, Long Life	401-1436-ND	.98	.91	.84	KSA0M312
Vertical, 6.2mm sq, 130gF, Mark II Sealed, Long Life	401-1810-ND†	.44	.41	.37	KSA0M312LFT
Vertical, 7.4mm sq, 130gF, Flux Sealed, Long Life, Gold	401-1437-ND	1.18	1.09	1.00	KSA0M330
Vertical, 7.4mm sq, 130gF, Flux Sealed, Long Life, Gold	401-1811-ND†	.55	.51	.47	KSA0M331LFT
Vertical, 6.2mm sq, 130gF, Mark II Sealed, Long Life, Gold	401-1812-ND†	.54	.51	.46	KSA0M332LFT
Vertical, 7.4mm sq, 300gF, Flux Sealed	401-1439-ND	.79	.73	.67	KSA0M410
Vertical, 7.4mm sq, 300gF, Totally Sealed	401-1049-ND	.82	.76	.70	KSA0M411
Vertical, 7.4mm sq, 300gF, Totally Sealed	401-1813-ND†	.44	.41	.38	KSA0M411LFT
Vertical, 6.2mm sq, 300gF, Mark II Sealed	401-1440-ND	.90	.84	.77	KSA0M412
Vertical, 6.2mm sq, 300gF, Mark II Sealed	401-1814-ND†	.44	.41	.37	KSA0M412LFT
Vertical, 6.2mm sq, 300gF, Mark II Sealed, Gold	401-1815-ND†	.54	.51	.46	KSA0M432LFT
Vertical, 7.4mm sq, 500gF, Flux Sealed	401-1442-ND	.97	.90	.82	KSA0M510
Vertical, 7.4mm sq, 500gF, Totally Sealed	401-1050-ND	.99	.92	.85	KSA0M511
Vertical, 7.4mm sq, 500gF, Totally Sealed	401-1816-ND†	.49	.45	.42	KSA0M511LFT
Vertical, 6.2mm sq, 500gF, Mark II Sealed	401-1443-ND	1.08	1.00	.92	KSA0M512
Vertical, 6.2mm sq, 500gF, Mark II Sealed	401-1817-ND†	.48	.45	.41	KSA0M512LFT
Right Angle, 8.0mm sq, 130gF, Flux Sealed	401-1444-ND	.82	.76	.70	KSA0V210
Right Angle, 8.0mm sq, 130gF, Totally Sealed	401-1051-ND	.85	.79	.72	KSA0V211
Right Angle, 8.0mm sq, 130gF, Totally Sealed	401-1818-ND†	.56	.52	.48	KSA0V211LFT
Right Angle, 8.0mm sq, 130gF, Flux Sealed, Long Life	401-1445-ND	.91	.85	.78	KSA0V310
Right Angle, 8.0mm sq, 130gF, Totally Sealed, Long Life	401-1052-ND	.94	.87	.80	KSA0V311
Right Angle, 8.0mm sq, 130gF, Totally Sealed, Long Life	401-1819-ND†	.56	.52	.48	KSA0V311LFT
Right Angle, 8.0mm sq, 130gF, Flux Sealed, Long Life, Gold	401-1446-ND	1.22	1.13	1.04	KSA0V330
Right Angle, 8.0mm sq, 130gF, Flux Sealed, Long Life, Gold	401-1820-ND†	.83	.77	.71	KSA0V331LFT
Right Angle, 8.0mm sq, 300gF, Flux Sealed	401-1447-ND	.84	.78	.71	KSA0V410
Right Angle, 8.0mm sq, 300gF, Totally Sealed	401-1053-ND	.86	.80	.74	KSA0V411
Right Angle, 8.0mm sq, 300gF, Totally Sealed	401-1821-ND†	.56	.52	.48	KSA0V411LFT
Right Angle, 8.0mm sq, 300gF, Flux Sealed, Gold	401-1448-ND	1.14	1.06	.97	KSA0V430
Right Angle, 8.0mm sq, 300gF, Flux Sealed, Gold	401-1928-ND†	.88	.81	.75	KSA0V431LFT
Right Angle, 8.0mm sq, 500gF, Flux Sealed	401-1449-ND	1.01	.94	.86	KSA0V510
Right Angle, 8.0mm sq, 500gF, Totally Sealed	401-1054-ND	1.04	.96	.88	KSA0V511
Right Angle, 8.0mm sq, 500gF, Totally Sealed	401-1822-ND†	.62	.57	.53	KSA0V511LFT
Vertical, 7.4mm sq, 130gF, Flux Sealed, with Ground	401-1450-ND	.76	.71	.65	KSA1M210
Vertical, 7.4mm sq, 130gF, with Ground	401-1043-ND	.79	.73	.67	KSA1M211
Vertical, 7.4mm sq, 130gF, with Ground	401-1823-ND†	.51	.48	.44	KSA1M211LFT
Vertical, 7.4mm sq, 130gF, Long Life, with Ground	401-1044-ND	.88	.81	.75	KSA1M311
Vertical, 7.4mm sq, 130gF, Long Life, with Ground	401-1824-ND†	.51	.48	.44	KSA1M311LFT
Vertical, 7.4mm sq, 130gF, Totally Sealed, Gold, with Ground	401-1825-ND†	.72	.67	.62	KSA1M331LFT
Vertical, 7.4mm sq, 300gF, Flux Sealed, with Ground	401-1452-ND	.77	.72	.66	KSA1M410
Vertical, 7.4mm sq, 300gF, with Ground	401-1045-ND	.80	.74	.68	KSA1M411
Vertical, 7.4mm sq, 300gF, with Ground	401-1826-ND†	.51	.48	.44	KSA1M411LFT
Vertical, 7.4mm sq, 500gF, Flux Sealed, with Ground	401-1453-ND	.95	.88	.81	KSA1M510
Vertical, 7.4mm sq, 500gF, with Ground	401-1046-ND	.98	.90	.83	KSA1M511
Vertical, 7.4mm sq, 500gF, with Ground	401-1827-ND†	.56	.52	.48	KSA1M511LFT

† *RoHS Compliant*

KSA Series Snap-On Switch Caps

Snap-on buttons for vertical KSA switches snap over and are held in place by the KSA body. All buttons must be mounted after the soldering and cleaning process. Buttons are able to be screen printed for custom legend appearances. *(Switch is sold separately).*

Fig. 1

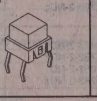
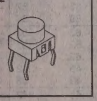


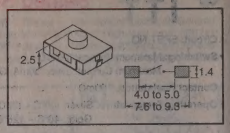
Fig. 2



Color	Digi-Key Part No.	Price Each 1	25	100	ITT Industries Part No.
Fig. 1 — 10mm Square Cap					
Black	401-1237-ND	.36	.34	.31	BTNK0190
Red	401-1238-ND	.36	.34	.31	BTNK0140
Light Grey	401-1239-ND	.36	.34	.31	BTNK0120
Dark Grey	401-1240-ND	.36	.34	.31	BTNK0110
Yellow	401-1241-ND	.44	.41	.38	BTNK0130
Blue	401-1242-ND	.36	.34	.31	BTNK0160
Green	401-1243-ND	.44	.41	.38	BTNK0150
Ivory	401-1244-ND	.54	.50	.46	BTNK0180
Grey-Blue	401-1245-ND	.36	.34	.31	BTNK0170
Fig. 2 — 8mm Round Cap					
Black	401-1246-ND	.36	.34	.31	BTNK0290
Red	401-1247-ND	.36	.34	.31	BTNK0240
Light Grey	401-1248-ND	.36	.34	.31	BTNK0220
Dark Grey	401-1249-ND	.36	.34	.31	BTNK0210
Yellow	401-1250-ND	.36	.34	.31	BTNK0230
Blue	401-1251-ND	.36	.34	.31	BTNK0260
Green	401-1252-ND	.36	.34	.31	BTNK0250
Ivory	401-1253-ND	.36	.34	.31	BTNK0280
Grey-Blue	401-1254-ND	.36	.34	.31	BTNK0270

KSR Series Low Profile Tact Switches

The KSR Series Switches are a miniature tact switch, single pole, normally open contact. The extremely small overall dimensions make the KSR fit perfectly in small applications where density of components is a major constraint. **Applications:** Cellular phones, recorders, computers, pointers, radios, medical instrumentation and car entry remotes. **Circuit:** SPST-NO **Switching:** Voltage Minimum/Maximum: 20mV/32V **Current:** Silver: 50mA; Gold: 10mA **Operating Temperature:** Silver: -40°C ~ 85°C, Gold: -40°C ~ 125°C **Contact Material:** Gold and Silver Plated



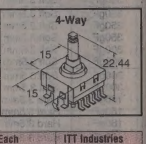
Description	Digi-Key Part No.	Cut Tape Price Each 1	25	100	T & R Pricing◆ 2,500	ITT Industries Part No.
180gF, Gullwing, SMD, Silver	401-1702-1-ND‡	.48	.45	.41	264.60/M	KSR211GLFS
200gF, Gullwing, SMD, Silver	401-1703-1-ND‡	.47	.44	.41	262.80/M	KSR221GLFS
200gF, Gull-Lead, SMD, Gold	401-1274-1-ND†	.94	.87	.80	522.00/M	KSR223GNC
200gF, Gull-Lead, SMD, Gold	401-1705-1-ND†‡	.88	.82	.75	489.60/M	KSR223GNCLFG
300gF, Gullwing, SMD, Silver	401-1706-1-ND‡	.48	.45	.41	264.60/M	KSR231GLFS
450gF, Gullwing, SMD, Silver	401-1707-1-ND‡	.48	.45	.41	264.60/M	KSR251GLFS
450gF, Gullwing, SMD, Gold	401-1708-1-ND‡	.70	.65	.60	388.80/M	KSR253GLFG
200gF, Gullwing, SMD, Gold	401-1517-1-ND	.50	.47	.43	279.00/M	KSR221G
200gF, Gullwing, SMD, Gold	401-1518-1-ND	.59	.55	.50	—	KSR223G
200gF, Gullwing, SMD, Gold	401-1704-1-ND‡	.60	.56	.51	333.00/M	KSR223GLFG
300gF, Gullwing, SMD, Silver	401-1519-1-ND	.50	.47	.43	279.00/M	KSR231G
450gF, Gullwing, SMD, Silver	401-1520-1-ND	.50	.47	.43	279.00/M	KSR251G
450gF, Gullwing, SMD, Gold	401-1521-1-ND	.74	.69	.63	410.40/M	KSR253G

◆ For Tape and Reel part number, change 1-ND to 2-ND. † Normally Closed ‡ *RoHS Compliant*

QSA Series 4-Way Switch

Features: • Operational life is 100,000 operations • Excellent tactile feel • Only actuate one direction at a time • Provides logic level control

Applications: • Seat Adjustments • Industrial controls • Mirror adjustment • Home entertainment • Multi-function steering wheel **Mechanical:** • Actuation Force: 3.5 ±1N • Life: 100,000 cycles in each direction **Electrical:** • Switching Power Maximum: 0.20VA • Minimum/Maximum Switching Voltage: (VDC) 20mV/30V • Minimum/Maximum Switching Current: 1mA/50mA • Operating Temperature: -40°C ~ 85°C



Description	Digi-Key Part No.	Price Each 1	25	100	ITT Industries Part No.
4-Way Switch, SMT Version, 350gF	401-1597-ND	5.59	4.97	4.35	QSA4S3.5NH1G8

TPC Tri-Directional Scan Switches

The TPC is a side-actuated miniature switch with normally open contacts providing tactile feedback. Rotation of the actuator closes two individual contacts (left or right), while pushing down in central position simultaneously closes the two contacts.

Applications:
Mobile phones, pagers, personal data assistants (PDAs), handheld electronic devices, digital cameras, camcorders, and communication equipment

Maximum Voltage: 50V
Minimum/Maximum Current: 1mA/50mA
Life Expectancy: 100,000 operations
Bounce: <10ms
Operating Temperature: -40°C ~ 125°C

Fig. 1

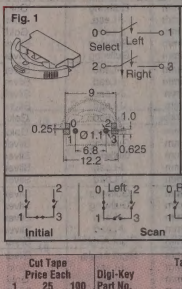
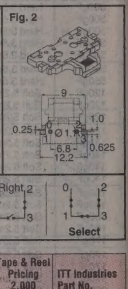


Fig. 2



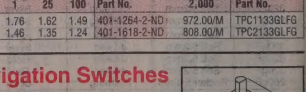
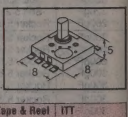


Fig.	Description	Digi-Key Part No.	Cut Tape Price Each 1	25	100	Digi-Key Part No.	Tape & Reel Pricing 2,000	ITT Industries Part No.
1	SMT Switch with Select	401-1264-1-ND	1.76	1.62	1.49	401-1264-2-ND	972.00/M	TPC1133GLFG
2	3 in 1 Tact Switch	401-1618-1-ND	1.46	1.35	1.24	401-1618-2-ND	808.00/M	TPC2133GLFG

TPA Series SMT Navigation Switches

Actuating the shaft in the up, down, right or left direction individually closes four momentary contacts which provide the scanning function. **Switching:** • Voltage Maximum: 24V • Current Maximum: Silver: 50mA; Gold: 10mA **Operating Temperature:** Silver: -40°C ~ 85°C; Gold: -40°C ~ 110°C **Life Expectancy:** 200,000 operations
Push to select = 400gF

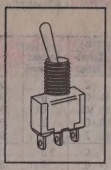


Description	Digi-Key Part No.	Cut Tape Price Each 1	25	100	Tape & Reel Pricing† 1,000	ITT Industries Part No.
Momentary, 2-Directional with Selection, 185gF, Silver, Gullwing	401-1277-1-ND	1.17	1.08	.99	648.00	TPA311GLFS
Momentary, 4-Directional without Selection, 185gF, Gold, Gullwing	401-1129-1-ND	1.72	1.59	1.46	950.40	TPA413GLFG
Momentary, 4-Directional with Selection, 185gF, Gold, Gullwing	401-1131-1-ND	1.80	1.67	1.53	997.20	TPA513GLFG
Momentary, 4-Directional with Selection, 185gF, Silver, Gullwing	401-1130-1-ND	1.22	1.13	1.04	675.00	TPA511GLFS

† For Tape and Reel part number, change 1-ND to 2-ND.

ITT Industries
Engineered for life

Toggle Switches



Contact Material Options

B Contacts and Terminals: Copper alloy, with gold plate over nickel plate. Rating: 0.4 VA maximum @ 20VAC or DC maximum

Q End Contacts: Coin silver, silver plated. Center Contact & All Terminals: Copper alloy, silver plated. Rating: 7000 Series: 5A @ 120VAC or 2A @ 250VAC; E-Series: 7.5A @ 125VAC or 3A @ 250VAC; T-Series: 3A @ 120VAC.

G End Contacts: Coin silver, with gold plate over nickel plate. Center Contact & All Terminals: Copper alloy, with gold plate over nickel plate. Rating: 0.4 VA maximum @ 20VAC or DC maximum or 5 amps @ 120VAC or 28VDC; 2 amps @ 250VAC.

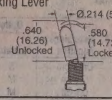
Circuit	Switching Function	Options (see diagrams) Actuator	Bushing	Termination	Contact Material	Dimensions Inch (mm) L x W x H	Digi-Key Part No.	Price Each 1	25	100	ITT Industries Part No.
						Vertical					
SPST	On-Off	S	H	Z	Q	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1549-ND	6.85	5.48	4.34	T102SHZQE
	On-On	S	D9	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1002-ND	5.48	4.39	3.48	7101SD9CQE
	On-On	S	Y	C	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1003-ND	5.48	4.39	3.48	7101SYCBE
	On-On	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1004-ND	5.48	4.39	3.48	7101SYCQE
	On-On	S	H3	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1020-ND	7.09	5.68	4.49	7101SH3ZQE
	On-On	S	Y	Z	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1021-ND	5.33	4.27	3.38	7101SYZBE
	On-On	S	Y	Z	G	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1022-ND	5.73	4.59	3.63	7101SYZGE
	On-On	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1023-ND	5.33	4.27	3.38	7101SYZQE
	On-On	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1014-ND†	5.48	4.39	3.48	U11SYCQE
	On-On	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1040-ND†	5.33	4.27	3.38	U11SYZQE
	On-Off-On	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1005-ND	6.03	4.83	3.82	7103SYCQE
	On-Off-On	S	Y	Z	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1025-ND	5.88	4.71	3.73	7103SYZBE
	On-Off-On	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1026-ND	5.88	4.71	3.73	7103SYZQE
	On-Off-Mom	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1008-ND	6.15	4.92	3.90	7107SYCQE
	On-Off-Mom	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1026-ND	6.00	4.80	3.80	7107SYZQE
	Mom-Off-Mom	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1007-ND	6.15	4.92	3.90	7105SYCQE
	Mom-Off-Mom	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1027-ND	6.00	4.80	3.80	7105SYZQE
	On-Mom	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1029-ND	6.00	4.80	3.80	7108SYZQE
	On-On	S	Y	W6	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1213-ND	6.79	5.43	4.30	7101SYW6BE
	On-On	S	Y	W	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1379-ND	5.82	4.66	3.69	7101SYWBE
	On-On	S	Y	W	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1381-ND	5.82	4.66	3.69	7101SYWQE
	On-On	S	H	C	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1091-ND	5.54	4.44	3.52	T101SHCQE
	On-On	S	H	Z	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1066-ND	5.73	4.59	3.63	T101SHZQE
	On-Off-On	S	H	C	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1092-ND	6.67	5.34	4.23	T103SHCQE
	On-Off-On	S	H	Z	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1087-ND	6.85	5.48	4.34	T103SHZQE
	On-Off-Mom	S	H	Z	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1181-ND	7.09	5.68	4.49	T107SHZQE
	Mom-Off-Mom	S	H	Z	Q	.320 x .200 x .340 (8.13 x 5.08 x 8.64)	CKN1088-ND	6.85	5.48	4.34	T105SHZQE
	On-On	M	D	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1000-ND	5.48	4.39	3.48	7101MDCQE
	On-On	M	D	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1016-ND	5.33	4.27	3.38	7101MDZQE
	On-On	M	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1017-ND	5.33	4.27	3.38	7101MYZQE
	On-On	M	D9	V3	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1042-ND	6.67	5.34	4.23	7101MD9V3BE
	On-On	M	D9	V3	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1175-ND	6.67	5.34	4.23	7101MD9V3QE
	On-Off-On	M	D9	V3	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1169-ND	7.21	5.77	4.57	7103MD9V3BE
	On-Off-On	M	D9	V3	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1176-ND	7.21	5.77	4.57	7103MD9V3QE
	On-On	S	D9	V3	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1043-ND	6.67	5.34	4.23	7101SD9V3BE
	On-On	P3	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1001-ND	7.46	5.97	4.73	7101P3YCQE
	On-On	P3	Y	Z	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1018-ND	7.30	5.85	4.63	7101P3YZBE
	On-On	P3	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1019-ND	7.30	5.85	4.63	7101P3YZQE
	On-Off-On	P3	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1024-ND	7.85	6.28	4.98	7103P3YZQE
	On-Off-Mom	P3	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1142-ND	7.97	6.38	5.05	7107P3YZQE
SPDT	On-Mom	P3	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1143-ND	7.97	6.38	5.05	7108P3YZQE
	Mom-Off-Mom	P3	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1006-ND	8.12	6.50	5.15	7105P3YCQE
	On-On	K2	—	C	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1215-ND	9.27	7.42	5.88	7101K2CBE
	On-On	K2	—	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1216-ND	9.27	7.42	5.88	7101K2CQE
	On-On	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1125-ND	9.12	7.30	5.78	7101K2ZQE
	On-On	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1126-ND†	9.12	7.30	5.78	U11K2ZQE
	On-Off-On	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1151-ND	9.67	7.74	6.13	7103K2ZQE
	Mom-Off-Mom	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1152-ND	9.79	7.83	6.20	7105K2ZQE
	On-On	L1	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1147-ND	5.33	4.27	3.38	7101L1YZQE
	On-Off-On	L1	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1148-ND	5.88	4.71	3.73	7103L1YZQE
	On-On	L41(Blk.)	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1220-ND	7.61	6.09	4.82	7101L41YZQE2
	On-On	L41(Red)	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1221-ND	7.61	6.09	4.82	7101L41YZQE3
	On-On	K12	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1212-ND	9.12	7.30	5.78	7101K12ZQE
	On-Off-On	K12	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1155-ND	9.67	7.74	6.13	7103K12ZQE
	Mom-Off-Mom	K12	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1156-ND	9.79	7.83	6.20	7105K12ZQE
	On-On	T	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1164-ND	8.27	6.62	5.24	7101TZQE
	On-Off-On	T	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1165-ND	8.82	7.06	5.59	7103TZQE
	On-On	S	CW	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1159-ND	6.91	5.53	4.38	7101SCWZQE
	On-Off-On	S	CW	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1160-ND	7.46	5.97	4.73	7103SCWZQE
	Mom-Off-Mom	S	CW	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1161-ND	7.58	6.06	4.80	7105SCWZQE
	On-On	K2	—	Z	G	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1442-ND	9.51	7.62	6.03	7101K2ZGE
	On-On	P3	D	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1444-ND	7.46	5.97	4.73	7101P3DCQE
	On-On	P3	H	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1445-ND	8.42	6.74	5.34	7101P3HZQE
	On-On	S	D9	V3	G	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1448-ND	7.06	5.65	4.48	7101SD9V3GE
	On-On	S	D9	V3	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1449-ND	6.67	5.34	4.23	7101SD9V3QE
	On-On	S	D	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1451-ND	5.48	4.39	3.48	7101SDCQE
	On-On	S	H	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1453-ND	6.45	5.17	4.09	7101SHZQE
	On-On	S	Y	V3	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1455-ND	6.67	5.34	4.23	7101SY9V3BE
	On-On	T1	CW	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1459-ND	10.00	8.00	6.34	7101T1CWCQE
	On-On	T	—	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1460-ND	8.42	6.74	5.34	7101TCQE
	On-On	T	CW	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1461-ND	10.00	8.00	6.34	7101TCWCQE
	On-Off-On	S	CW	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1462-ND	7.61	6.09	4.82	7103TCWCQE
	On-Off-On	T1	CW	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1463-ND	10.55	8.44	6.68	7103T1CWCQE
	Mom-Off-Mom	P3	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1465-ND	7.97	6.38	5.05	7105P3YZQE
	Mom-Off-Mom	T1	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1466-ND	8.94	7.16	5.67	7105T1ZQE
	Mom-Off-Mom	T	CW	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1467-ND	10.52	8.42	6.66	7105TCWZQE
	Mom-Off-Mom	T	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1468-ND	8.94	7.16	5.67	7105TZQE
	On-Off-Mom	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1469-ND	9.79	7.83	6.20	7107K2ZQE
	On-Off-Mom	S	Y	Z	B	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1470-ND	6.00	4.80	3.80	7107SYZBE
	On-Mom	K2	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1471-ND	9.79	7.83	6.20	7108K2ZQE
	On-Mom	S	Y	C	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1473-ND	6.15	4.92	3.90	7108SYCQE
	On-Mom	T	—	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1474-ND	8.94	7.16	5.67	7108TZQE

L Approved Note: All threaded bushings include mounting hardware.

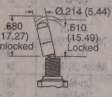
(Continued)

Actuator Options

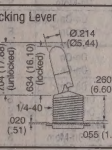
K Locking Lever



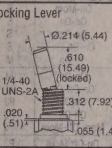
K1 Locking Lever



K2 Locking Lever



K12 Locking Lever



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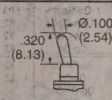
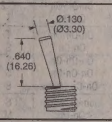
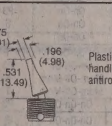


L1



L41



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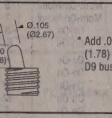
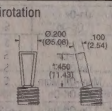


P3 Antirotation



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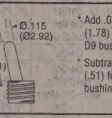
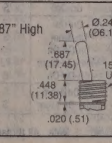


T

T1 = .487" High



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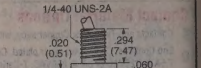
Circuit	Switching Function	Options (see diagrams) Actuator	Bushing	Termination	Contact Material	Dimensions inch (mm) L x W x H	Digi-Key Part No.	Price Each 1	25	100	ITT Industries Part No.
SPDT	On-Mom	S	Y	Z	Q	.500 x .270 x .350 (12.70 x 6.86 x 8.89)	CKN1475-ND	6.15	4.92	3.90	7109SYZQE
	On-On	M	D1	C	B	.500 x .219 x .350 (12.70 x 5.56 x 8.89)	CKN1515-ND	5.57	4.46	3.54	E101MD1CBE
	On-On	M	D1	V3	B	.500 x .219 x .350 (12.70 x 5.59 x 8.89)	CKN1516-ND	7.24	5.80	4.59	E101MD1V3BE
	On-On	S	D1	C	G	.500 x .219 x .350 (12.70 x 5.56 x 8.89)	CKN1518-ND	5.97	4.78	3.79	E101SD1CGE
	On-On	S	Y	Z	Q	.500 x .219 x .350 (12.70 x 5.56 x 8.89)	CKN1519-ND	5.42	4.34	3.44	E101SYZQE
	On-On	L	D1	C	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1527-ND	6.12	4.90	3.88	ET01LD1CBE
	On-On	M	D1	C	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1530-ND	6.12	4.90	3.88	ET01MD1CBE
	Mom-Off-Mom	S	D1	C	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1536-ND	6.91	5.53	4.38	ET05SD1CBE
	On-On	M	H9	C	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1546-ND	5.57	4.46	3.54	T101MH9CBE
	Mom-Off-Mom	M	H9	AV	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1552-ND	7.61	6.09	4.82	T105MH9AVBE
	On-Mom	M	H9	AV	B	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1553-ND	7.85	6.28	4.98	T108MH9AVBE
	On-Mom	S	H	Z	Q	.320 X .200 X .350 (8.13 x 5.08 x 8.89)	CKN1554-ND	7.09	5.68	4.49	T108SHZQE
	On-On	S	Y	C	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1010-ND	8.09	6.48	5.13	7201SYCBE
	On-On	S	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1011-ND	8.09	6.48	5.13	7201SYCQE
	On-On	S	Y	Z	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1034-ND	7.85	6.28	4.98	7201SYZBE
	On-On	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1035-ND	7.85	6.28	4.98	7201SYZQE
	On-On	S	Y	W	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1380-ND	8.76	7.01	5.55	7201SYWBE
	On-On	S	Y	W	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1382-ND	8.76	7.01	5.55	7201SYWQE
	On-Off-On	S	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1012-ND	9.03	7.23	5.72	7203SYCQE
	On-Off-On	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1036-ND	8.79	7.03	5.57	7203SYZQE
	Mom-Off-Mom	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1129-ND	8.79	7.03	5.57	7205SYZQE
	On-Off-Mom	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1130-ND	9.03	7.23	5.72	7207SYZQE
	On-Mom	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1131-ND	9.03	7.23	5.72	7208SYZQE
	On-On	S	H	Z	Q	.320 x .360 x .340 (8.13 x 9.14 x 8.64)	CKN1089-ND	8.97	7.18	5.69	7201SHZQE
	On-On	S	H	C	Q	.320 x .360 x .340 (8.13 x 9.14 x 8.64)	CKN1182-ND	8.54	6.84	5.42	7201SHCQE
	On-Off-On	S	H	Z	Q	.320 x .360 x .340 (8.13 x 9.14 x 8.64)	CKN1090-ND	10.15	8.13	6.43	7203SHZQE
	On-On	M	D	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1031-ND	7.85	6.28	4.98	7201MDZQE
	On-On	M	D9	V3	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1170-ND	9.51	7.62	6.03	7201MD9V3BE
	On-Off-On	M	D9	V3	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1171-ND	10.46	8.37	6.63	7203MD9V3BE
	On-On	P3	Y	Z	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1032-ND	9.82	7.86	6.22	7201P3YZBE
	On-On	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1033-ND	9.82	7.86	6.22	7201P3YZQE
	Mom-Off-Mom	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1144-ND	10.76	8.61	6.82	7205P3YZQE
	On-Off-Mom	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1145-ND	11.00	8.80	6.97	7207P3YZQE
	On-Mom	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1146-ND	11.00	8.80	6.97	7208P3YZQE
	On-On	K2	—	C	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1217-ND	11.88	9.51	7.53	7201K2CBE
	On-On	K2	—	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1127-ND	11.88	9.51	7.53	7201K2CQE
	On-On	K2	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1128-ND	11.63	9.31	7.37	7201K2ZQE
DPDT	On-Off-On	K2	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1153-ND	12.58	10.07	7.97	7203K2ZQE
	On-On	L1	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1149-ND	7.85	6.28	4.98	7201L1YZQE
	On-Off-On	L1	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1150-ND	8.79	7.03	5.57	7203L1YZQE
	On-Off-On	K12	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1157-ND	12.58	10.07	7.97	7203K12ZQE
	On-On	T	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1166-ND	10.79	8.64	6.84	7201TZQE
	On-Off-On	T	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1167-ND	11.73	9.39	7.43	7203TZQE
	On-On	S	CW	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1162-ND	9.42	7.54	5.97	7201SCWZQE
	On-Off-On	S	CW	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1163-ND	10.36	8.29	6.57	7203SCWZQE
	On-On-On	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1132-ND	9.48	7.59	6.01	7211SYZQE
	On-On-Mom	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1133-ND	10.18	8.15	6.45	7213SYZQE
	Mom-On-Mom	S	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1134-ND	10.18	8.15	6.45	7215SYZQE
	On-On	M	D9	V4	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1477-ND	9.51	7.62	6.03	7201MD9V4BE
	On-On	P3	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1478-ND	10.06	8.05	6.38	7201P3YCQE
	On-On	S	Y	Z	G	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1481-ND	8.39	6.72	5.32	7201SYZGE
	On-On	T	—	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1482-ND	11.03	8.83	6.99	7201TCQE
	On-On	T	CW	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1483-ND	12.36	9.90	7.83	7201TCWZQE
	On-Off-On	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1485-ND	10.76	8.61	6.82	7203P3YZQE
	Mom-Off-Mom	S	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1487-ND	9.03	7.23	5.72	7205SYCQE
	Mom-Off-Mom	T	CW	Z	G	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1488-ND	13.85	11.08	8.78	7205TCWZGE
	On-On-On	P3	Y	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1492-ND	11.45	9.17	7.26	7211P3YZQE
	On-On	S	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1493-ND	9.73	7.79	6.16	7211SYCQE
	Mom-On-Mom	S	Y	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1494-ND	10.42	8.34	6.61	7215SYCQE
	Mom-On-Mom	T	—	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1495-ND	13.12	10.50	8.31	7215TZQE
	On-On	S	H3	Z	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1507-ND	13.29	11.48	9.67	9201SH3ZQE
	On-On	K1	—	Z4	Q	.750 x .750 x .660 (19.05 x 19.05 x 16.76)	CKN1508-ND	21.05	18.19	15.32	9221K1Z4QD
	On-On	K	—	Z4	Q	.756 x .750 x .660 (19.05 x 19.05 x 16.76)	CKN1509-ND	21.05	18.19	15.32	9221K24QD
	On-On	S	H3	Z4	Q	.750 x .750 x .660 (19.05 x 19.05 x 16.76)	CKN1510-ND	18.57	16.04	13.51	9221SH3Z4QD
	On-On	M	D1	V3	B	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1522-ND	10.58	8.46	6.70	E201MD1V3BE
	On-On	M	D1	V3	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1523-ND	10.58	8.46	6.70	E201MD1V3QE
	On-On	S	D1	C	Q	.500 x .450 x .350 (12.70 x 11.43 x 8.89)	CKN1524-ND	8.54	6.84	5.42	E201SD1CQE
	On-On-On	S	H	Z	Q	.320 x .360 x .340 (8.13 x 9.14 x 8.64)	CKN1559-ND	11.33	9.07	7.18	T211SHZQE
	On-On	S	Y	Z	Q	.500 X .450 X .350 (12.70 x 11.43 x 8.89)	CKN1560-ND	7.85	6.28	4.98	U21SYZQE
	On-On	S	Y	C	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1013-ND	13.73	10.98	8.70	7301SYCQE
	On-On	S	Y	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1037-ND	13.36	10.69	8.47	7301SYZQE
	On-Off-On	S	Y	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1135-ND	14.12	11.30	8.95	7303SYZQE
	Mom-Off-Mom	S	Y	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1136-ND	17.51	14.02	11.10	7305SYZQE
	On-Off-On	K2	—	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1154-ND	17.91	14.33	11.35	7303K2ZQE
3PDT	On-Off-On	K12	—	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1158-ND	17.91	14.33	11.35	7303K12ZQE
	On-On	K2	—	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1496-ND	12.58	10.87	9.15	7301K2ZQE
	On-On	P3	Y	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1497-ND	11.24	9.72	8.18	7301P3YZQE
	On-On	T	—	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1498-ND	11.95	10.33	8.70	7301TZQE
	On-Off-On	T	—	Z	Q	.500 x .650 x .415 (12.70 x 16.51 x 10.54)	CKN1499-ND	12.51	10.81	9.10	7303TZQE
	On-On	S	D1	C	B	.500 x .642 x .424 (12.70 x 16.31 x 10.77)	CKN1526-ND	13.73	10.98	8.70	E301SD1CBE
	On-On	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1038-ND	13.55	11.71	9.86	7401SYZQE
	On-Off-On	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1137-ND	14.36	12.40	10.44	7403SYZQE
	Mom-Off-Mom	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1138-ND	15.58	13.46	11.33	7405SYZQE
	On-On	P3	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1501-ND	15.00	12.96	10.91	7401P3YZQE
	On-On	S	Y	C	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1502-ND	13.91	12.02	10.12	7401SYCQE
4PDT	On-On	T	—	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1503-ND	15.71	13.57	11.43	7401TZQE
	On-Mom	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1504-ND	15.58	13.46	11.33	7408SYZQE
	On-On-On	P3	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1505-ND	17.91	15.47	13.03	7411P3YZQE
	Mom-On-Mom	P3	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1506-ND	17.91	15.47	13.03	7415P3YZQE
	On-On-On	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1139-ND	16.46	14.22	11.98	7411SYZQE
	On-On-Mom	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1140-ND	16.46	14.22	11.98	7413SYZQE
	Mom-On-Mom	S	Y	Z	Q	.500 x .850 x .415 (12.70 x 21.59 x 10.54)	CKN1141-ND	16.46	14.22	11.98	7415SYZQE

† UL Approved Note: All threaded bushings include mounting hardware.

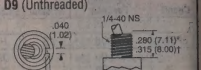
Bushing Options

CW Splashproof

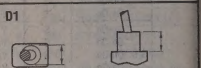


Internal actuator seal and external bushing seal washer standard.

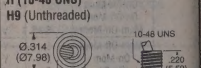
D, H3 (Threaded)
D9 (Unthreaded)



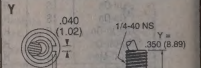
D1



H (10-48 UNS)
H9 (Unthreaded)

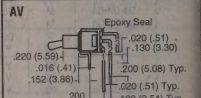


Y

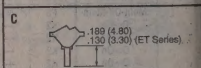


Termination Options

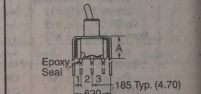
AV



C



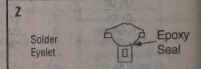
V3 (A = .460)
V4 (A = .630)



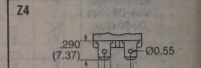
W, W6

Wire-Wrap Terminal

Z



Z4



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JUDCO Plastic Pushbutton Switches

• 3/8-27 Thread (Nut is included) • 4.5" Wireleads

Fig.	Circuit	Function	Termination	Bushing	Actuator Color	Body Color	Contact Rating	Digi-Key Part No.	Price Each 1	10	100
					Solder Tab Pushbutton						
	SPST	On, Off	.110 QC	Tall	Red	Black	14VDC, 2A	501PB-ND	1.06	.90	.81
	SPST	On, Off	.110 QC	Tall	Black	Black	14VDC, 2A	508PB-ND	1.17	.99	.89
	SPST	On, Off	.110 QC	Tall	White	Black	14VDC, 2A	537PB-ND	1.44	1.22	1.09
1A	SPST	Momentary N/O	.110 QC	Tall	Red	Black	14VDC, 2A	502PB-ND	1.29	1.09	.98
	SPST	Momentary N/O	.110 QC	Tall	Black	Black	14VDC, 2A	509PB-ND	1.05	.89	.80
	SPST	Momentary N/C	.110 QC	Tall	Red	Black	14VDC, 2A	503PB-ND	1.28	1.09	.97
	SPST	Momentary N/C	.110 QC	Tall	Black	Black	14VDC, 2A	510PB-ND	1.51	1.28	1.14
	SPST	Momentary N/C	.110 QC	Tall	Red	Black	14VDC, 2A	536PB-ND	1.37	1.16	1.04
1B	SPST	Momentary N/O	.110 QC	Tall	Black	Black	125VAC, 2A	520PB-ND	1.89	1.61	1.43
					Wire Lead Pushbutton						
	SPST	On, Off	18AWG	Tall	Red	Black	14VDC, 2A	505PB-ND	1.48	1.25	1.12
	SPST	On, Off	20AWG	Tall	Black	Black	14VDC, 2A	504PB-ND	1.21	1.03	.92
	SPST	On, Off (Mom On)	18AWG	Tall	Black	Black	14VDC, 3A	525PB-ND	2.32	1.97	1.75
	SPST	On, Off (Mom On)	18AWG	Short	Black	Black	14VDC, 2A	526PB-ND	2.32	1.97	1.75
	SPST	Momentary N/O	18AWG	Tall	Red	Black	14VDC, 2A	506PB-ND	1.52	1.29	1.15
2	SPST	Momentary N/O	18AWG	Tall	Black	Black	14VDC, 2A	507PB-ND	1.51	1.28	1.14
	SPST	Momentary N/O	18AWG	Tall	Black	Black	14VDC, 2A	521PB-ND	1.66	1.41	1.26
	SPDT	On, Off	18AWG	Short	Black	Black	14VDC, 2A	528PB-ND	1.74	1.48	1.32
	SPDT	On-On	18AWG	Tall	Black	Black	14VDC, 2A	527PB-ND	2.16	1.83	1.63
	SPDT	Momentary N/O	18AWG	Tall	Black	Black	14VDC, 2A	523PB-ND	2.65	2.25	2.00
	SPDT	On1, Off, On2	18AWG	Tall	Black	Black	14VDC, 2A	522PB-ND	2.52	2.14	1.90
	SPDT	On2, On1&2, On1, Off	18AWG	Tall	White	14VDC, 2A		524PB-ND	2.60	2.21	1.97
					UL Recognized with Tactile Feel Pushbutton Switches						
	SPST	Momentary N/O	18AWG	Tall	Black	Black	14VDC, 4A	539PB-ND	1.84	1.56	1.39
	SPST	On, Off	18AWG	Tall	Black	Black	14VDC, 10A	512PB-ND	1.48	1.25	1.12
	SPST	Momentary N/C	18AWG	Tall	Black	Black	14VDC, 10A	541PB-ND	1.85	1.57	1.40
2	SPST	Momentary N/O	18AWG	Tall	Black	Black	125VAC, 2A	538PB-ND	1.99	1.69	1.51
	SPST	On, Off	18AWG	Tall	Black	Black	125VAC, 6A	511PB-ND	1.37	1.17	1.04
	SPST	Momentary N/C	18AWG	Tall	Black	Black	125VAC, 6A	540PB-ND	1.84	1.56	1.39
					Accessories						
	Rubber Waterproof Boot with nut, Fits Tall Bushing, Black							513PB-ND	.81	.69	.62
	Rubber Waterproof Boot with nut, Fits Tall Bushing, Red							531PB-ND	.62	.53	.47
	Rubber Waterproof Boot with nut, Fits Short Bushing, Black							532PB-ND	.88	.75	.67
	Replacement Nut, Black Plastic							516PB-ND	.16	.14	.13
	Brass Knurled Nut							533PB-ND	.53	.54	.48
	Brass Hex Nut							534PB-ND	.82	.70	.62
	Nickel Hex Nut							535PB-ND	.90	.77	.69
					Low Profile Pushbutton Switch						
3A	SPST	On, Off	Right Angle	—	Yellow	Black	14VDC, 500mA	519PB-ND	1.06	.90	.80
3B	SPST	On, Off	Straight	—	Yellow	Black	14VDC, 500mA	518PB-ND	1.06	.90	.80
3C	SPDT	On1, Off, On2	Right Angle	—	Yellow	Black	14VDC, 500mA	529PB-ND	1.06	.90	.80
	SPDT	On1, On2, Off	Right Angle	—	Teal	Black	12VDC, 300mA	542PB-ND	.93	.79	.71
3D	SPDT	On1, Off, On2	Straight	—	Yellow	Black	14VDC, 500mA	530PB-ND	1.06	.90	.80
	SPDT	On1, On2, Off	Straight	—	Blue	Black	12VDC, 300mA	543PB-ND	.93	.79	.71
					Flat-Pac Pushbutton Switch						
4	SPST	On, Off	Right Angle	—	Black	Black	14VDC, 2A	514PB-ND	2.01	1.70	1.52
	SPST	On, Off	18AWG	—	Black	Black	14VDC, 2A	515PB-ND	1.59	1.36	1.21

Fig. 1 — Dim. in inches

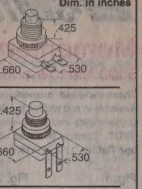


Fig. 2

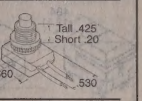


Fig. 3

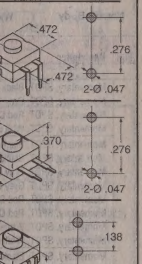
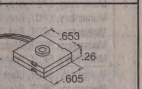


Fig. 4



E-SWITCH Rocker Switches

cker Switches and Paddle Switches for mounting in a round hole instead of a rectangular or square punch. Easy to
g together for panels or consoles. Offered in various switching options with white ink stamping or LED illumination.
d LED-20mA @ 2.0VDC, Green LED-20mA @ 2.4VDC. All switches are black in color.

Fig. 1

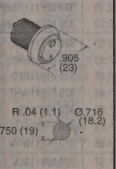


Fig. 2

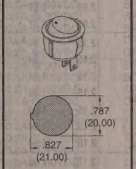


Fig. 3

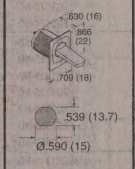
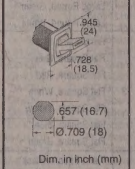


Fig. 4



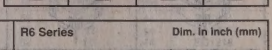
Dim. in inch (mm)

g.	Description	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
		Rocker Switches				
1	SPST (On-Off) 10A with I/O Marking	EG1889-ND	3.09	2.78	2.37	RR3130ABLKBLKFS
1	DPDT (On-On) 10A with I/O Marking	EG1890-ND	4.63	4.17	3.56	RR3130BBLKBLKFS
	SPDT (On-On) 10A with I/O Marking	EG1891-ND	3.43	3.09	2.64	RR3130CBLKBLKFS
2	SPST (On-Off) 10A Snap-In	EG1542-ND	1.56	1.41	1.20	RR3112ABLKBLKNAFO
		Paddle Switches				
3	Mini, SPST (On-Off) 6A	EG1892-ND	2.74	2.47	2.11	RR3402A
3	Mini, SPDT (On-On) 6A	EG1893-ND	3.09	2.78	2.37	RR3402C
	Mini, SPDT (On-Off-On) 6A	EG1894-ND	3.35	3.02	2.57	RR3402D
	Standard, DPST (On-Off) 10A	EG1895-ND	4.47	4.03	3.43	RR3405A
	Red Illum., SPST (On-Off) 10A	EG1896-ND	6.00	5.40	4.60	RR3405ALRED
4	Green Illum., SPST (On-Off) 10A	EG1897-ND	6.00	5.40	4.60	RR3405ALGRN
	Red Illum., SPDT (On-On) 10A	EG1898-ND	6.63	5.97	5.09	RR3405CLRED
	Green Illum., SPDT (On-On) 10A	EG1899-ND	6.63	5.97	5.09	RR3405CLGRN

Rocker Switches

RATINGS: • R5 Series: 20A 125V, 15A 250V for circuits A, B, C.15A 125V, 10A 250V for circuit D • R6 Series: 10A 125V, 6A 250V (UL/CSA) **Contact Resistance:** <20mΩ (initial) **Electrical Life:** ≥10,000 Cycle **Approvals:** UL, CSA, VDE, NEMKO, SEMKO, FIMKO, DEMKO

Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4



R5 Series

R6 Series — Dim. in inch (mm)

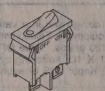


Fig.	Description	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
		R5 Non-Illuminated				
1	DPST, On-Off, 20A Black	EG1527-ND	1.94	1.75	1.50	R5ABLKBLKEF0
1	DPDT, On-On, 20A Black	EG1528-ND	2.43	2.19	1.87	R5CBLKBLKEF0
2	DPST, On-Off, 20A Black	EG1529-ND	1.94	1.75	1.50	R5ABLKBLKEF0
1	DPDT, On-Off-On, 15A Black	EG1539-ND	3.16	2.85	2.43	R5DBLKBLKEF0
3	DPDT, On-Off-On, 15A Black	EG1540-ND	3.16	2.85	2.43	R5DBLKBLKCF0
4	DPDT, On-Off-On, 15A Black	EG1541-ND	3.16	2.85	2.43	R5DBLKBLKHF0
		R5 Illuminated				
1	DPST, 125V Red Illum., 20A Black	EG1530-ND	3.16	2.85	2.43	R5BBLKREDEF1
2	DPST, 125V Red Illum., 20A Black	EG1531-ND	3.16	2.85	2.43	R5BBLKREDFF1
1	DPST, 125V Green Illum., 20A Black	EG1533-ND	3.16	2.85	2.43	R5BBLKGRNEF1
2	DPST, 125V Green Illum., 20A Black	EG1534-ND	3.16	2.85	2.43	R5BBLKGRNFF1
2	DPST, 230V Red Illum., 20A Black	EG1535-ND	3.16	2.85	2.43	R5BBLKREDFF2
2	DPST, 230V Green Illum., 20A Black	EG1536-ND	3.15	2.84	2.42	R5BBLKGRNFF2
2	DPST, 12VDC Red Illum., 20A Black	EG1537-ND	3.16	2.85	2.43	R5BBLKREDFF3
2	DPST, 12VDC Green Illum., 20A Black	EG1538-ND	3.16	2.85	2.43	R5BBLKGRNFF3
		R6 Mini-Rocker				
1	SPST 10A, Black Without Marking	EG1525-ND	1.79	1.62	1.38	R6ABLKBLKEF
2	SPST 10A, Black With Marking	EG1526-ND	1.79	1.62	1.38	R6ABLKBLKFF

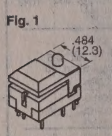
E-SWITCH

Momentary Pushbutton Switches

5500 Narrow and 5511 Wide Body Series

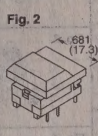
These miniature, momentary switches have a crisp tactile feel and are available in a wide range of colors, available in two widths: the 5500 .47" (12mm) wide and the 5511 .67" (17mm) wide, meet all ESD protection requirements and are available with or without LED. **Operating Travel:** 1.8mm. **Function:** Momentary SPDT. **Contact Bounce:** <5m second **Operating Life:** 5 x 10^5 Cycles. **Operating Force:** <200 gf. **Voltage Rating:** 12V. **Current Rating:** 50mA. **Contact Resistance:** <50mΩ. **LED Ratings:** 2.2v @ 30mA.

Fig. 1

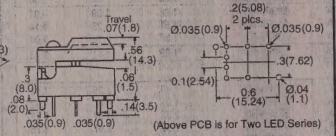


Narrow Body

Fig. 2



Wide Body



(Above PCB is for Two LED Series)

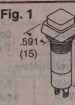
Dim: in. (mm)

Fig.	Description	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
	5500 Series - Narrow Body					
1	Momentary, SPDT, Black Cap, no LED	EG1701-ND	3.91	3.52	3.00	5501M1X
	Momentary, SPDT, Grey Cap, no LED	EG1702-ND	3.91	3.52	3.00	5501M2X
	Momentary, SPDT, White Cap, no LED	EG1704-ND	3.91	3.52	3.00	5501M5X
	Momentary, SPDT, White Cap, no LED	EG1708-ND	3.91	3.52	3.00	5501M8X
	Momentary, SPDT, Black Cap, w/Red LED	EG1715I-ND	5.10	4.59	3.91	5501M11
	Momentary, SPDT, Black Cap, w/Green LED	EG1717I-ND	5.10	4.59	3.91	5501M12
	Momentary, SPDT, Grey Cap, w/Red LED	EG1715Z-ND	5.10	4.59	3.91	5501M21
	Momentary, SPDT, Grey Cap, w/Green LED	EG1717Z-ND	5.10	4.59	3.91	5501M22
	Momentary, SPDT, Red Cap, w/Red LED	EG1715S-ND	5.10	4.59	3.91	5501M51
	Momentary, SPDT, Red Cap, w/Green LED	EG1717S-ND	5.10	4.59	3.91	5501M52
	Momentary, SPDT, White Cap, Red LED	EG1715B-ND	5.10	4.59	3.91	5501M81
	Momentary, SPDT, White Cap, w/Green LED	EG1717B-ND	5.10	4.59	3.91	5501M82
	Momentary, SPDT, Black Cap, w/Red and Green LED	EG1715T1-ND	5.61	5.05	4.31	5501M112
	Momentary, SPDT, Grey Cap, w/Red and Green LED	EG1715T2-ND	5.62	5.06	4.31	5501M212
	5511 Series - Wide Body					
2	Momentary, SPDT, Black Cap, no LED	EG1709-ND	3.91	3.52	3.00	5511M1X
	Momentary, SPDT, Grey Cap, no LED	EG1710-ND	3.91	3.52	3.00	5511M2X
	Momentary, SPDT, Blue Cap, no LED	EG1711-ND	3.91	3.52	3.00	5511M4X
	Momentary, SPDT, Red Cap, no LED	EG1712-ND	3.91	3.52	3.00	5511M5X
	Momentary, SPDT, White Cap, no LED	EG1714-ND	3.91	3.52	3.00	5511M8X
	Momentary, SPDT, Black Cap, w/Red LED	EG1715-ND	5.10	4.59	3.91	5511M11
	Momentary, SPDT, Black Cap, w/Green LED	EG1719-ND	5.10	4.59	3.91	5511M12
	Momentary, SPDT, Grey Cap, w/Red LED	EG1716-ND	5.10	4.59	3.91	5511M21
	Momentary, SPDT, Grey Cap, w/Green LED	EG1720-ND	5.10	4.59	3.91	5511M22
	Momentary, SPDT, Red Cap, w/Red LED	EG1717-ND	5.10	4.59	3.91	5511M51
	Momentary, SPDT, White Cap, w/Red LED	EG1718-ND	5.10	4.59	3.91	5511M81
	Momentary, SPDT, White Cap, w/Green LED	EG1722-ND	5.10	4.59	3.91	5511M82
	Momentary, SPDT, Black Cap, w/Red and Green LED	EG1723-ND	5.62	5.06	4.31	5511M112
	Momentary, SPDT, Grey Cap, w/Red and Green LED	EG1724-ND	5.62	5.06	4.31	5511M212

Pushbutton Switches

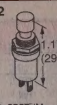
Dim: in. (mm)

Fig. 1



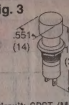
Circuit: SPST (Momentary On) **Rating:** 3A 125VAC **Initial Contact Resistance:** ≤ 50mΩ **Hole Cutout:** .49" (12.4mm) Hardware Included.

Fig. 2



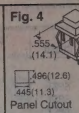
Circuit: SPST (Momentary On) **Rating:** 3A 125VAC **Initial Contact Resistance:** ≤ 50mΩ **Hole Cutout:** .28" (7.2mm) Hardware Included.

Fig. 3



Circuit: SPST (Momentary On) **Rating:** 3A 125VAC **Initial Contact Resistance:** ≤ 50mΩ **Hole Cutout:** .49" (12.4mm) Hardware Included.

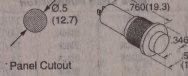
Fig. 4



Panel Cutout

Circuit: SPST (Momentary On) **Rating:** 1A 125VAC **Initial Contact Resistance:** ≤ 20mΩ

Fig. 5



Panel Cutout

Circuit: SPST **Rating:** 3A 125VAC / 1.5A 250 AC **Initial Contact Resistance:** ≤ 50mΩ **Hole Cutout:** .50" (12.7mm) Hardware Included.

Fig. 6

Circuit: SPST **Rating:** 3A 125V /1.5A 250VAC **Hole Cutout:** .62" (15.75mm) Hardware Included. **Rating:** Red; 1.8V @ 20mA, Yellow & Green; 2.1V @ 20mA.

Fig.	Description	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
	Momentary Switches					
1	Red, Cap .59" (15mm) Sq., N/O	EG2005-ND	1.97	1.78	1.51	PS1023ARED
	Black, Cap .59" (15mm) Sq., N/O	EG2001-ND	1.97	1.78	1.51	PS1023ABLK
2	Red, Cap .24" (6mm) Dia., N/O	EG2015-ND	1.05	.93	.85	PS1024ARED
	Black, Cap .24" (6mm) Dia., N/O	EG2011-ND	1.48	1.30	1.19	PS1024ABLK
	Red, Cap .39" (10mm) Dia., N/O	EG2025-ND	1.50	1.35	1.15	PS1024ALRED
	Black, Cap .39" (10mm) Dia., N/O	EG2021-ND	1.50	1.35	1.15	PS1024ALBLK
3	Red, Cap .55" (14mm) Dia., N/O	EG2035-ND	2.22	2.01	1.71	PS1040ARED
	Black, Cap .55" (14mm) Dia., N/O	EG2031-ND	2.22	2.01	1.71	PS1040ABLK
4	Red, Cap .55" (14mm) Sq., N/O	EG2045-ND	1.62	1.46	1.25	PS1057ARED
	Black, Cap .55" (14mm) Sq., N/O	EG2041-ND	1.62	1.46	1.25	PS1057ABLK
5	Black Cap, Plastic Bushing, N/O	EG1900-ND	2.16	1.95	1.66	RP3502ABLK
	Black Cap, Plastic Bushing, N/C	EG1929-ND	2.45	2.21	1.88	RP3502BBLK
	Red Cap, Plastic Bushing, N/O	EG1930-ND	2.16	1.95	1.66	RP3502ARED
	Red Cap, Plastic Bushing, N/C	EG1931-ND	2.45	2.21	1.88	RP3502BRED
	Black Cap, Metal Bushing, N/O	EG1932-ND	3.35	3.02	2.57	RP3502MABLK
	Black Cap, Metal Bushing, N/C	EG1933-ND	3.75	3.38	2.88	RP3502MBBLK
	Green Cap, Metal Bushing, N/O	EG1934-ND	3.35	3.02	2.57	RP3502MAGRN
	Green Cap, Metal Bushing, N/C	EG1935-ND	3.75	3.38	2.88	RP3502MBGRN
	Yellow Cap, Metal Bushing, N/O	EG1936-ND	3.35	3.02	2.57	RP3502MAYEL
	Yellow Cap, Metal Bushing, N/C	EG1937-ND	3.75	3.38	2.88	RP3502MBYEL
	Red Cap, Metal Bushing, N/O	EG1938-ND	3.35	3.02	2.57	RP3502MARED
	Red Cap, Metal Bushing, N/C	EG1939-ND	3.75	3.38	2.88	RP3502MBRED
6	Illuminating Red LED Alt Action	EG2543-ND	6.98	6.28	5.35	RP3508BBLKREDRGNS
	Illuminating Green LED Alt Action	EG2544-ND	6.98	6.28	5.35	RP3508BBLKGRNGRNS
	Illuminating Yellow LED Alt Action	EG2545-ND	6.98	6.28	5.35	RP3508BBLKYELYELNS

Momentary Pushbutton Switches

320 and 520 SERIES

Fig. 1

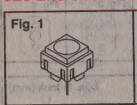


Fig. 2

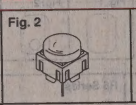


Fig. 3

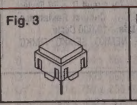
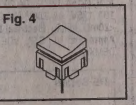


Fig. 4



320 Series switches are being used in a variety of applications in a great number of industries such as; Instrumentation, Test Equipment, Telecommunications, Audio Visual, and Computers. **Travel:** .028" (.7mm). **Operating Force:** 120 grams. **Type Of Contact:** SPST. **Contact Rating:** 25mA/50V (DC). **Initial Resistance:** 50mΩ **Life:** 1 X 10^6 switching cycles. • **Snap Time:** Closing: <50µs; Opening: <200µs. **Materials:** Housing: PC-CF; Knob: ABS or equivalent; Contacts (Fixed): CuZn Ag (gold available); Dome Contact: CrNi Au.

Fig.	Description	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
	320 Series – Momentary Pushbutton, Sold With Caps					
1	Square, Recessed, Black	EG1301-ND	2.15	1.94	1.65	320E11BLK
	Square, Recessed, Grey	EG1303-ND	2.15	1.94	1.65	320E11GRY
	Square, Recessed, Red	EG1305-ND	2.15	1.94	1.65	320E11RED
	Square, Recessed, White	EG1308-ND	2.15	1.94	1.65	320E11WHT
	Square, Recessed, Yellow	EG2549-ND	2.15	1.94	1.65	320E11YEL
	Square, Recessed, Blue	EG2550-ND	2.15	1.94	1.65	320E11BLU
	Square, Recessed, Green	EG2551-ND	2.15	1.94	1.65	320E11GRN
2	Std. Round, Black	EG1311-ND	2.25	1.94	1.67	320.02E11.08BLK
	Std. Round, Grey	EG1312-ND	2.56	2.20	1.90	320.02E11.08GRY
	Std. Round, Red	EG1315-ND	2.25	1.94	1.67	320.02E11.08RED
	Std. Round, White	EG1318-ND	2.25	1.94	1.67	320.02E11.08WHT
	Std. Round, Yellow	EG2552-ND	2.70	2.44	2.08	320.02E11.08YEL
	Std. Round, Blue	EG2553-ND	2.70	2.44	2.08	320.02E11.08BLU
	Std. Round, Green	EG2554-ND	2.70	2.44	2.08	320.02E11.08GRN
2	Large Round, Black	EG2568-ND	2.85	2.57	2.19	320.02E11.09BLK
	Large Round, Grey	EG2569-ND	2.85	2.57	2.19	320.02E11.09GRY
	Large Round, Yellow	EG2570-ND	2.85	2.57	2.19	320.02E11.09YEL
	Large Round, Blue	EG2571-ND	2.85	2.57	2.19	320.02E11.09BLU
	Large Round, Red	EG2572-ND	2.85	2.57	2.19	320.02E11.09RED
	Large Round, Green	EG2573-ND	2.85	2.57	2.19	320.02E11.09GRN
	Large Round, White	EG2574-ND	2.85	2.57	2.19	320.02E11.09WHT
3	Flat Square, Black	EG1321-ND	2.15	1.94	1.65	320.01E11BLK
	Flat Square, Grey	EG1322-ND	2.15	1.94	1.65	320.01E11GRY
	Flat Square, Red	EG1325-ND	2.15	1.94	1.65	320.01E11RED
	Flat Square, White	EG1328-ND	2.15	1.94	1.65	320.01E11WHT
	Flat Square, Yellow	EG2555-ND	2.15	1.94	1.65	320.01E11YEL
	Flat Square, Blue	EG2556-ND	2.15	1.94	1.65	320.01E11BLU
	Flat Square, Green	EG2557-ND	2.15	1.94	1.65	320.01E11GRN
4	Tilted Square, Black	EG1341-ND	2.17	1.96	1.67	320.22E11BLK
	Tilted Square, Grey	EG1342-ND	2.17	1.96	1.67	320.22E11GRY
	Tilted Square, Red	EG1345-ND	2.17	1.96	1.67	320.22E11RED
	Tilted Square, White	EG1348-ND	2.17	1.96	1.67	320.22E11WHT
	Tilted Square, Yellow	EG2558-ND	2.17	1.96	1.67	320.22E11YEL
	Tilted Square, Blue	EG2559-ND	2.17	1.96	1.67	320.22E11BLU
	Tilted Square, Green	EG2560-ND	2.17	1.96	1.67	320.22E11GRN
	Tilted Rectangular, Black	EG2561-ND	2.22	2.01	1.71	320.21E11BLK
	Tilted Rectangular, Grey	EG2562-ND	2.22	2.01	1.71	320.21E11GRY
	Tilted Rectangular, Yellow	EG2563-ND	2.22	2.01	1.71	320.21E11YEL
	Tilted Rectangular, Blue	EG2564-ND	2.22	2.01	1.71	320.21E11BLU
	Tilted Rectangular, Red	EG2565-ND	2.22	2.01	1.71	320.21E11RED
	Tilted Rectangular, Green	EG2566-ND	2.22	2.01	1.71	320.21E11GRN
	Tilted Rectangular, White	EG2567-ND	2.22	2.01	1.71	320.21E11WHT
—	12 mm Finger Recessed Cap, Black	EG2575-ND	2.66	2.40	2.05	320.02E11.094BL
	12 mm Finger Recessed Cap, Grey	EG2576-ND	2.66	2.40	2.05	320.02E11.094GR
	Black Stem (Use's JN Caps)	EG2548-ND	2.04	1.84	1.57	320.02E11BLK

Slide Switches - EG Series

Specifications:
Initial Contact Resistance: Less than 20mΩ

- **Withstand Voltage:** 500VAC for 1 minute between any terminal and frame
- **Operating Temp.:** -20°C ~ 70°C
- **Life:** 10,000 cycles minimum
- **Contact:** Silver plated copper alloy
- **Timing:** Non-shorting contacts

Dimensions: inches (mm)

Fig. 1

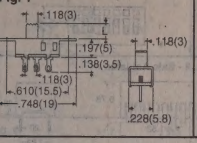


Fig. 2

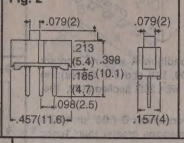


Fig. 3

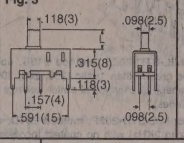


Fig. 4

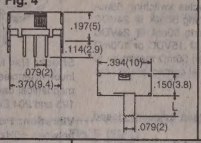


Fig. 5

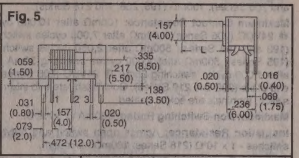


Fig. 6

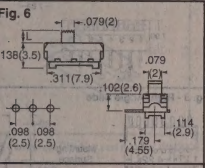


Fig. 7

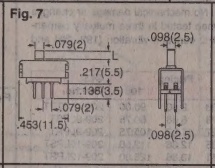


Fig. 8

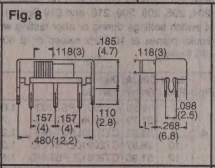


Fig. 9

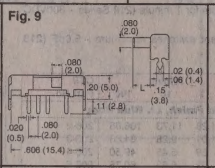


Fig. 10

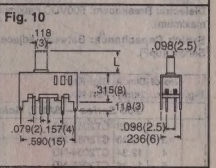


Fig. 11

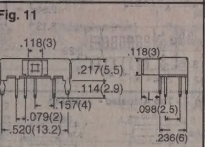


Fig. 12

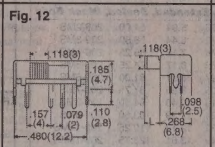


Fig. 13

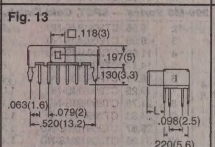


Fig. 14

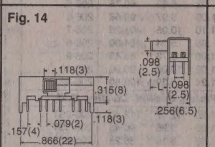


Fig. 15

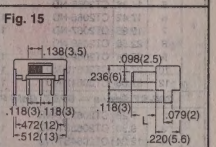


Fig. 16

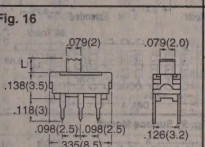


Fig. 17

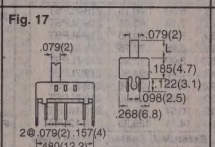


Fig. 18

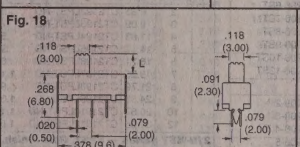


Fig. 19

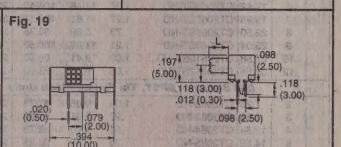


Fig. 20

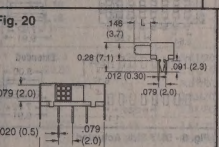


Fig. 21

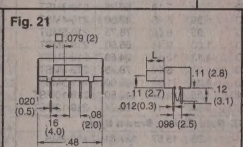


Fig. 22

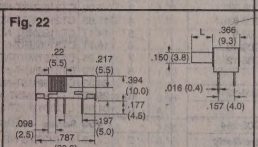


Fig. 23 – SMT

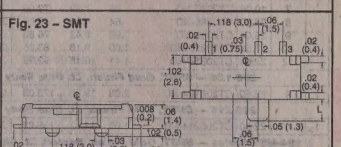


Fig.	Description	Rating	Circuit	"L" Dim. In. (mm)	Switching Function	Terminal	Digi-Key Part No.	Price Each 1	10	100	250	E-Switch Part No.
1	Straight	0.2A @ 30VDC	SPDT	.16 (4)	On-On	Solder Lugs	EG1901-ND	.68	.62	.53	.44	EG1201
1	Straight	0.2A @ 30VDC	SPDT	.22 (5.5)	On-On	Solder Lugs	EG1902-ND	.68	.62	.53	.44	EG1201A
2	Straight	0.2A @ 30VDC	SPDT	.08 (2)	On-On	PC Board	EG1903-ND	.68	.62	.53	.44	EG1218
3	Straight	0.2A @ 30VDC	DPDT	.12 (3)	On-On	PC Board	EG1904-ND	.94	.85	.72	.60	EG2201
3	Straight	0.2A @ 30VDC	DPDT	.24 (6)	On-On	PC Board	EG1905-ND	.94	.85	.72	.60	EG2201A
4	Right Angle	0.2A @ 30VDC	SPDT	.20 (5)	On-On	PC Board	EG1906-ND	.68	.62	.53	.44	EG1213
5	Right Angle	0.5A @ 15VDC	SPDT	.35 (9)	On-On	PC Board	EG2585-ND	.86	.78	.66	.55	EG1224
6	Right Angle	0.2A @ 30VDC	SPDT	.08 (2)	On-On	PC Board	EG1847-ND	1.07	.86	.78	.66	EG1270
7	Straight	0.1A @ 12VDC	DPDT	.08 (2)	On-On	PC Board	EG1907-ND	.94	.85	.72	.60	EG2209
7	Straight	0.1A @ 12VDC	DPDT	.16 (4)	On-On	PC Board	EG1908-ND	1.11	1.01	.86	.71	EG2209A
8	Right Angle	0.2A @ 30VDC	DPDT	.14 (3.5)	On-On	PC Board	EG1909-ND	.86	.78	.66	.55	EG2215
9	Right Angle	0.2A @ 30VDC	SPDT	.20 (5)	On-On-On	PC Mount	EG2485-ND	.86	.78	.66	.55	EG1313
10	Straight	0.2A @ 30VDC	DP3T	.12 (3)	On-On-On	PC Board	EG1910-ND	.86	.78	.66	.55	EG2301
10	Straight	0.2A @ 30VDC	DP3T	.24 (6)	On-On-On	PC Board	EG1944-ND	.94	.85	.72	.60	EG2301A
11	Right Angle	0.1A @ 12VDC	DP3T	.16 (4)	On-On-On	PC Board	EG1911-ND	.90	.81	.69	.57	EG2308
11	Right Angle	0.1A @ 12VDC	DP3T	.24 (6)	On-On-On	PC Board	EG1945-ND	.94	.85	.72	.60	EG2308A
12	Right Angle	0.2A @ 30VDC	DP3T	.14 (3.5)	On-On-On	PC Board	EG1913-ND	.94	.85	.72	.60	EG2315
13	Right Angle	0.2A @ 30VDC	4PDT	.24 (6)	On-On	PC Board	EG1949-ND	1.54	1.39	1.19	.98	EG4208A
13	Right Angle	0.2A @ 30VDC	4PDT	.16 (4)	On-On	PC Board	EG1914-ND	1.62	1.46	1.25	1.03	EG4206
14	Right Angle	0.2A @ 30VDC	4P3T	.20 (5)	On-On-On	PC Board	EG1915-ND	1.80	1.62	1.38	1.14	EG4319
15	Right Angle	0.2A @ 30VDC	SPDT	.12 (3)	On-On	PC Board	EG1916-ND	.68	.62	.53	.44	EG1206
15	Right Angle	0.2A @ 30VDC	SPDT	.24 (6)	On-On	PC Board	EG1917-ND	.68	.62	.53	.44	EG1206A
16	Straight	0.3A @ 30VDC	SPDT	.08 (2)	On-On	PC Board	EG1918-ND	.77	.69	.59	.49	EG1271
16	Straight	0.3A @ 30VDC	SPDT	.16 (4)	On-On	PC Board	EG1919-ND	.77	.69	.59	.49	EG1271A
17	Straight	0.2A @ 30VDC	DP3T	.16 (4)	On-On-On	PC Board	EG1920-ND	1.02	.92	.79	.65	EG2305
17	Straight	0.2A @ 30VDC	DP3T	.08 (2)	On-On-On	PC Board	EG1921-ND	1.02	.92	.79	.65	EG2305A
18	Right Angle	0.2A @ 30VDC	DPDT	.16 (4)	On-On	PC Board	EG1940-ND	.86	.78	.66	.55	EG2207
19	Right Angle	0.2A @ 30VDC	DPDT	.16 (4)	On-On	PC Board	EG1941-ND	.86	.78	.66	.55	EG2208
19	Right Angle	0.2A @ 30VDC	DPDT	.24 (6)	On-On	PC Board	EG1942-ND	.86	.78	.66	.55	EG2208A
20	Right Angle	0.2A @ 30VDC	DPDT	.16 (4)	On-On	PC Board	EG1943-ND	.86	.78	.66	.55	EG2211
20	Right Angle	0.2A @ 30VDC	DPDT	.08 (2)	On-On	PC Mount	EG2486-ND	.86	.78	.66	.55	EG2211A
21	Right Angle	0.2A @ 30VDC	DP3T	.24 (6)	On-On-On	PC Board	EG1946-ND	.80	.72	.61	.51	EG2310
21	Right Angle	0.2A @ 30VDC	DP3T	.16 (4)	On-On-On	PC Board	EG1947-ND	.90	.81	.69	.57	EG2310A
22	Right Angle	0.2A @ 30VDC	DP3T	.28 (7)	On-On-On	PC Board	EG1948-ND	.94	.85	.72	.60	EG2322
23	Right Angle	0.3A @ 4VDC	SPDT	.06 (1.5)	On-On	SMT Term.	EG2586CT-ND	1.43	1.15	1.03	.88	EG1257
23	Right Angle	0.3A @ 4VDC	SPDT	.06 (1.5)	On-On	SMT Term.	EG2586TR-ND			1637,84/3,300		EG1257

Electrical Specifications:

Initial Contact Resistance: 25mΩ (209, 219 Series); 50mΩ (193, 194, 204, and 206 Series); 100mΩ (195, 208, and 218 Series).

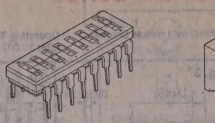
Maximum Contact Resistance: 100mΩ after 10,000 cycles switching 50mA @ 24VDC (206 Series); 100mΩ after 7,000 cycles switching 50mA @ 24VDC (193 and 194 Series); 500mΩ after 2,000 cycles switching 50mA @ 24VDC (195 Series); 500mΩ after 2,000 cycles switching 50mA @ 15VDC or 100mΩ after 1,000 cycles switching 25mA @ 24VDC (208 Series); 50mΩ maximum at end of life (209 and 219 Series). Gold finish refers to internal contact area of the switch, terminals are solder coated.

Maximum Non-Switching Rating: 100mA or 50VDC.

Insulation Resistance: Across open switch and between adjacent closed switches - 1 x 10^9 (218 Series: 100mΩ minimum).

Dielectric Breakdown: 500VDC maximum for 1 minute (218 Series – 300VDC maximum).

Switch Capacitance: Between adjacent switches maximum - 5.0pF (218 Series: 10pF).



Shock: Per MIL-STD-202F, method 213B, condition A with no contact inconsistencies greater than 1µsec (206, 208, 209, 218 and 219 Series); no mechanical damage or changes of switch settings with 25G applied (193, 194, 195 and 204 Series).

Vibration: Per MIL-STD-202F, method 204D, condition B (.06" or 15G's between 10Hz to 2KHz) with no contact inconsistencies greater than 1µsec (204, 206, 208, 209, 218, and 219 Series). No mechanical damage or changes of switch settings during or after testing when tested in three mutually perpendicular planes at 10-50Hz sweep or at 60Hz constant vibration (193, 194 and 195 Series).

Fig.	No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Pricing 1	10	100	CTS Part No.
206 Series — SPST, Gold Finish, Lt. Blue Body							
1	2	7.26	CT2062-ND	1.28	11.73	106.65	206-2
	3	9.80	CT2063-ND	1.01	9.28	84.38	206-3
	4	12.34	CT2064-ND	.59	5.45	49.50	206-4
	5	14.88	CT2065-ND	.73	6.68	60.75	206-5
	6	17.42	CT2066-ND	1.09	9.97	90.68	206-6
	7	19.96	CT2067-ND	1.10	10.05	91.35	206-7
	8	22.50	CT2068-ND	.65	5.94	54.00	206-8
	9	25.04	CT2069-ND	1.06	9.73	88.43	206-9
	10	27.58	CT20610-ND	1.09	10.00	90.90	206-10
	12	32.66	CT20612-ND	1.24	11.39	103.50	206-12
206-ST Series — SPST, Gold Finish, Sealed, Lt. Blue Body							
1	2	7.26	CT2062ST-ND	1.36	12.47	113.40	206-2ST
	3	9.80	CT2063ST-ND	1.09	9.95	90.45	206-3ST
	4	12.34	CT2064ST-ND	.68	6.19	56.25	206-4ST
	5	14.88	CT2065ST-ND	.97	8.86	80.55	206-5ST
	6	17.42	CT2066ST-ND	1.25	11.48	104.40	206-6ST
	7	19.96	CT2067ST-ND	1.27	11.61	105.53	206-7ST
	8	22.50	CT2068ST-ND	.73	6.68	60.75	206-8ST
	9	25.04	CT2069ST-ND	1.21	11.09	100.80	206-9ST
	10	27.58	CT20610ST-ND	1.03	9.41	85.50	206-10ST
	12	32.66	CT20612ST-ND	1.03	9.41	85.50	206-12ST
208 Series — SPST, Tin Finish, Black Body							
1	2	7.26	CT2082-ND	1.05	9.65	87.75	208-2
	3	9.80	CT2083-ND	.97	8.91	81.00	208-3
	4	12.34	CT2084-ND	.51	4.70	42.75	208-4
	5	14.88	CT2085-ND	.78	7.18	65.25	208-5
	6	17.42	CT2086-ND	.81	7.43	67.50	208-6
	7	19.96	CT2087-ND	.86	7.92	72.00	208-7
	8	22.50	CT2088-ND	.54	4.95	45.00	208-8
	9	25.04	CT2089-ND	.92	8.42	76.50	208-9
	10	27.58	CT20810-ND	1.00	9.16	83.25	208-10
	12	32.66	CT20812-ND	1.11	10.15	92.25	208-12
206-124 — SPDT, Gold Finish, Lt. Blue Body							
1	4	22.50	CT206124-ND	2.08	19.03	173.03	206-124
206-214 — DPST, Gold Finish, Lt. Blue Body							
1	4	22.50	CT206214-ND	1.62	14.87	135.23	206-214
194-MST Series — SPST, Gold Finish, Sealed, Lt. Blue Body							
2	2	7.26	CT1942MST-ND	1.40	12.87	117.00	194-2MST
	3	9.80	CT1943MST-ND	.95	8.66	78.75	194-3MST
	4	12.34	CT1944MST-ND	.86	7.92	72.00	194-4MST
	5	14.88	CT1945MST-ND	1.46	13.37	121.50	194-5MST
	6	17.42	CT1946MST-ND	1.35	12.38	112.50	194-6MST
	7	19.96	CT1947MST-ND	1.59	14.60	132.75	194-7MST
	8	22.50	CT1948MST-ND	.95	8.66	78.75	194-8MST
	9	25.04	CT1949MST-ND	1.70	15.59	141.75	194-9MST
	10	27.58	CT19410MST-ND	1.54	14.11	128.25	194-10MST
	12	32.66	CT19412MST-ND	1.89	17.33	157.50	194-12MST
195-MST Series — SPST, Tin Finish, Sealed, Black Body							
2	2	7.26	CT1952MST-ND	.81	7.43	67.50	195-2MST
	4	12.34	CT1954MST-ND	.89	8.14	74.03	195-4MST
	5	14.88	CT1955MST-ND	1.30	11.88	108.00	195-5MST
	6	17.42	CT1956MST-ND	1.16	10.64	96.75	195-6MST
	7	19.96	CT1957MST-ND	1.33	12.15	110.48	195-7MST
	8	22.50	CT1958MST-ND	1.22	11.14	101.25	195-8MST
	9	25.04	CT1959MST-ND	1.51	13.86	126.00	195-9MST
	10	27.58	CT19510MST-ND	1.32	12.13	110.25	195-10MST
	12	32.66	CT19512MST-ND	1.59	14.60	132.75	195-12MST
CT206-RAST Series — SPST, Gold Finish, Sealed, Lt. Blue Body							
3	2	7.26	CT2062RAST-ND	1.64	15.00	136.35	206-2RAST
	3	9.80	CT2063RAST-ND	1.30	11.88	108.00	206-3RAST
	4	12.34	CT2064RAST-ND	1.03	9.41	85.50	206-4RAST
	5	14.88	CT2065RAST-ND	1.00	9.18	83.48	206-5RAST
	6	17.42	CT2066RAST-ND	1.27	11.63	105.75	206-6RAST
	7	19.96	CT2067RAST-ND	1.52	13.91	126.45	206-7RAST
	8	22.50	CT2068RAST-ND	1.27	11.63	105.75	206-8RAST
	9	25.04	CT2069RAST-ND	1.50	13.76	125.10	206-9RAST
	10	27.58	CT20610RAST-ND	1.93	17.65	160.43	206-10RAST
	12	32.66	CT20612RAST-ND	1.73	15.86	144.23	206-12RAST
209-LPST Series — SPST, Gold Finish, Flush, Sealed, Black Body							
4	2	6.55	CT2092LPST-ND	.68	6.19	56.25	209-2LPST
	3	9.09	CT2093LPST-ND	.73	6.68	60.75	209-3LPST
	4	11.63	CT2094LPST-ND	.57	5.20	47.25	209-4LPST
	5	14.17	CT2095LPST-ND	.92	8.42	76.50	209-5LPST
	6	16.71	CT2096LPST-ND	.73	6.68	60.75	209-6LPST
	7	19.25	CT2097LPST-ND	1.08	9.90	90.00	209-7LSTPT
	8	21.79	CT2098LPST-ND	.73	6.68	60.75	209-8LPST
	9	24.33	CT2099LPST-ND	1.27	11.63	105.75	209-9LPST
	10	26.87	CT20910LPST-ND	1.35	12.38	112.50	209-10LPST
	12	31.95	CT20912LPST-ND	1.51	13.86	126.00	209-12LPST
209-MS Series — SPST, Gold Finish, Extended, Sealed, Black Body							
4	2	6.55	CT2092MS-ND	.65	5.94	54.00	209-2MS
	3	9.09	CT2093MS-ND	.70	6.44	58.50	209-3MS
	4	11.63	CT2094MS-ND	.78	7.18	65.25	209-4MS
	5	14.17	CT2095MS-ND	.89	8.17	74.25	209-5MS
	6	16.71	CT2096MS-ND	.97	8.91	81.00	209-6MS
	7	19.25	CT2097MS-ND	1.05	9.65	87.75	209-7MS
	8	21.79	CT2098MS-ND	1.13	10.40	94.50	209-8MS
	9	24.33	CT2099MS-ND	1.24	11.39	103.50	209-9MS
	10	26.87	CT20910MS-ND	1.32	12.13	110.25	209-10MS
	12	31.95	CT20912MS-ND	1.49	13.61	123.75	209-12MS
219-LPST Series — SPST, Gold Finish, Flush, Sealed, Brown Body							
5	2	6.55	CT2192LPST-ND	.58	5.30	48.15	219-2LPST
	3	9.09	CT2193LPST-ND	.78	7.18	65.25	219-3LPST
	4	11.63	CT2194LPST-ND	.59	5.45	49.50	219-4LPST
	5	14.17	CT2195LPST-ND	.95	8.66	78.75	219-5LPST
	6	16.71	CT2196LPST-ND	.87	8.02	72.90	219-6LPST
	7	19.25	CT2197LPST-ND	1.13	10.40	94.50	219-7LPST
	8	21.79	CT2198LPST-ND	.92	8.42	76.50	219-8LPST
	9	24.33	CT2199LPST-ND	1.30	11.88	108.00	219-9LPST
	10	26.87	CT21910LPST-ND	1.15	10.54	95.85	219-10LPST
	12	31.95	CT21912LPST-ND	1.54	14.11	128.25	219-12LPST
219-MST Series — SPST, Gold Finish, Extended, Sealed, Brown Body							
5	2	6.55	CT2192MST-ND	.49	4.46	40.50	219-2MST
	3	9.09	CT2193MST-ND	.78	7.18	65.25	219-3MST
	4	11.63	CT2194MST-ND	.59	5.45	49.50	219-4MST
	5	14.17	CT2195MST-ND	.95	8.66	78.75	219-5MST
	6	16.71	CT2196MST-ND	1.03	9.41	85.50	219-6MST
	7	19.25	CT2197MST-ND	1.13	10.40	94.50	219-7MST
	8	21.79	CT2198MST-ND	.95	8.66	78.75	219-8MST
	9	24.33	CT2199MST-ND	1.30	11.88	108.00	219-9MST
	10	26.87	CT21910MST-ND	1.35	12.38	112.50	219-10MST
	12	31.95	CT21912MST-ND	1.54	14.11	128.25	219-12MST
193 Series — SPST, Gold Finish, Brown Body							
6	2	7.26	CT1932MS-ND	1.95	15.57	137.61	193-2MS
	3	9.80	CT1933MS-ND	2.02	16.18	143.06	193-3MS
	4	12.34	CT1934MS-ND	1.78	14.25	130.63	193-4MS
	5	14.88	CT1935MS-ND	2.06	16.50	151.25	193-5MS
	6	17.42	CT1936MS-ND	2.09	16.74	148.01	193-6MS
	7	19.96	CT1937MS-ND	2.28	18.20	160.88	193-7MS
	8	22.50	CT1938MS-ND	1.97	15.79	139.59	193-8MS
204 Series — SPST, Tape Sealed, Gold Finish, Brown Body							
7	2	7.26	CT2042ST-ND	1.77	15.21	139.43	204-2ST
	3	9.80	CT2043ST-ND	1.79	14.28	126.23	204-3ST
	4	12.34	CT2044ST-ND	1.51	12.90	115.25	204-4ST
	5	14.88	CT2045ST-ND	1.58	13.50	123.75	204-5ST
	6	17.42	CT2046ST-ND	1.61	13.80	126.50	204-6ST
	7	19.96	CT2047ST-ND	1.68	14.40	132.00	204-7ST
	8	22.50	CT2048ST-ND	1.72	14.70	134.75	204-8ST
	9	25.04	CT2049ST-ND	1.79	15.30	140.25	204-9ST
	10	27.58	CT20410ST-ND	1.89	16.20	148.50	204-10ST
	12	32.66	CT20412ST-ND	2.07	17.70	162.25	204-12ST
204 Series — SPDT, Tape Sealed, Gold Finish, Brown Body							
7	1	7.26	CT204121ST-ND	2.03	17.40	159.50	204-121ST
	1	7.26	CT204121LPST-ND	2.17	18.60	170.50	204-121LPST
204 Series — DPST, Tape Sealed, Gold Finish, Brown Body							
7	1	7.26	CT204211ST-ND	1.54	12.32	108.90	204-211ST
	2	12.34	CT204212ST-ND	1.89	15.12	133.65	204-212ST
	3	17.42	CT204213ST-ND	2.03	17.40	159.50	204-213ST
	4	22.50	CT204214ST-ND	2.17	17.36	153.45	204-214ST
	5	27.58	CT204215ST-ND	2.20	18.30	167.75	204-215ST
	6	32.66	CT204216ST-ND	2.42	22.43	207.00	204-216ST
204 Series — DPDT, Tape Sealed, Gold Finish, Brown Body							
7	1	12.34	CT204221ST-ND	2.99	25.65	235.13	204-221ST
	2	22.50	CT204222ST-ND	1.89	15.12	133.65	204-222ST
	3	32.66	CT204223ST-ND	2.17	17.36	153.45	204-223ST
218 Series — SPST, Tape Sealed, Gold Finish, Brown Body							
8	2	3.71	CT2182LPST-ND	1.90	15.18	134.15	218-2LPST
	4	6.25	CT2184LPST-ND	1.89	15.12	133.65	218-4LPST
	6	8.79	CT2186LPST-ND	2.52	20.13	177.95	218-6LPST
	8	11.33	CT2188LPST-ND	3.25	25.98	229.68	218-8LPST
	10	13.87	CT21810LPST-ND	1.78	14.25	125.98	218-10LPST
	12	16.41	CT21812LPST-ND	2.98	27.35	248.63	218-12LPST

Fig. 1 - Top Actuated Slide

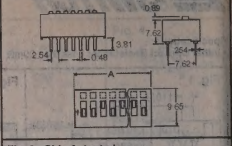


Fig. 2 - Side Actuated

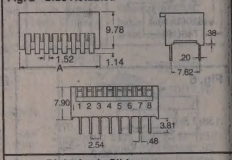


Fig. 3 - Right Angle Slide

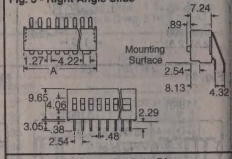


Fig. 4 - Top Actuated - Auto Dip

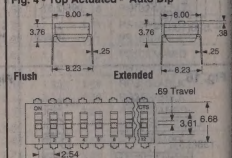


Fig. 5 - Surface Mount

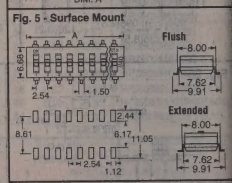


Fig. 6 - SMT Side Actuated

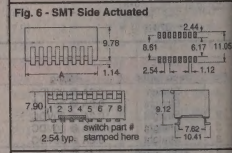
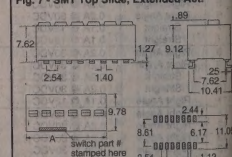
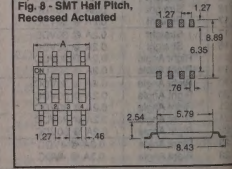


Fig. 7 - SMT Top Slide, Extended Act.



Standard model shown.
Low Profile also available (CT204121LPST-ND)

Fig. 8 - SMT Half Pitch, Recessed Actuated



AMLIN
gnetic Position Sensors

Specifications:
• **Switching Voltage:** SPST - N/O - 200VDC, SPST - HV - 300VDC, SPDT - 175VDC, SPST - N/C - 175VDC • **Initial Contact Resistance:** 0.200Ω • **Typical Operate Time:** 1.00ms • **Shock without False Operation:** 100G's, 11ms, 1/2 sine wave • **Operate and Storage Temperature:** -40°C ~ 105°C

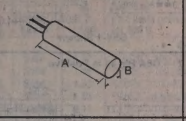
.1


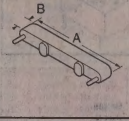
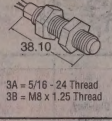
Fig. 2


Fig. 3


3A = 5/16 - 24 Thread
3B = M8 x 1.25 Thread

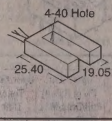
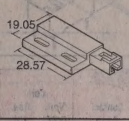
Fig. 4


Fig. 5


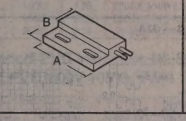
.6


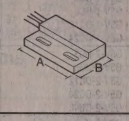
Fig. 7


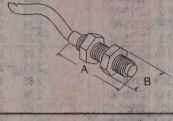
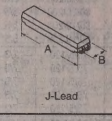
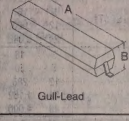
Fig. 8


Fig. 9 (SMT)


J-Lead

Fig. 10 (SMT)


Gull-Lead

mates with Digi-Key part number WM2900 (connector), WM2510 (contact)

g.	Dimension (mm) A	Dimension (mm) B	Must Operate/Release Distance (mm)	Termination or Wiring	Digi-Key Sensor Part No.	Price Each 1	Price Each 10	Price Each 50	Matching Magnet Part No.	Price Each 1	Price Each 10	Price Each 50
					SPST-N/O							
1	16.4	5.10	2.54/7.62	12" PVC Leads	59020-010-ND	5.69	4.82	4.03	57020-000-ND	3.64	3.08	2.58
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-010-ND•	3.19	2.70	2.26	57025-000-ND•	2.63	2.23	1.87
2	17.78	4.32	1.90/13.97	PCB Pins	59045-010-ND	2.05	1.74	1.45	57045-000-ND	3.09	2.62	2.19
2	22.86	4.57	3.81/19.05	PCB pins	59050-010-ND•	1.72	1.46	1.22	57050-000-ND•	3.19	2.70	2.26
A	—	—	3.81/20.32	12" PVC Leads	59065-010-ND•	4.10	3.47	2.90	57065-000-ND•	3.28	2.78	2.33
B	—	—	3.81/20.32	12" PVC Leads	59070-010-ND	4.10	3.47	2.90	57070-000-ND	3.09	2.62	2.19
3	46.0	M12	10.0/30.0	16" 4" HD Cable	59075-1-T-50-F-ND	16.20	13.55	11.05	57075-000-ND	30.53	25.53	20.82
3	46.0	M12	10.0/30.0	20" HD Cable	59075-1-U-03-A-ND	16.20	13.55	11.05	57075-000-ND	30.53	25.53	20.82
4	—	—	2.54/6.35	12" PVC Leads	59085-010-ND	9.10	7.70	6.44	—	—	—	—
5	—	—	3.81/20.32	Connector	59105-010-ND	4.32	3.66	3.06	57105-000-ND	2.73	2.31	1.94
6	28.57	19.05	3.81/20.32	Pins	59125-010-ND•	3.77	3.19	2.67	57125-000-ND•	2.73	2.31	1.94
7	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-010-ND	6.83	5.78	4.83	57135-000-ND	3.64	3.08	2.58
8	23.01	14.00	4.44/20.32	12" PVC Leads	59140-010-ND	3.19	2.70	2.26	57140-000-ND	2.96	2.51	2.10
8	28.57	19.05	5.71/20.32	12" PVC Leads	59145-010-ND•	3.41	2.89	2.42	57145-000-ND•	2.73	2.31	1.94
7	28.57	19.05	5.71/20.32	12" PVC Leads	59150-010-ND•	3.41	2.89	2.42	57150-000-ND•	2.73	2.31	1.94
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-010-ND	2.28	1.93	1.61	57050-000-ND	3.19	2.70	2.26
0	16	2.51	7.5/ —	Gull Lead SMT	59165-1-S-00-C-ND	1.82	1.54	1.29	—	—	—	—
0	16	2.51	6.5/ —	Gull Lead SMT	59165-1-T-00-C-ND	1.82	1.54	1.29	—	—	—	—
0	16	2.51	5.0/ —	Gull Lead SMT	59165-1-U-00-C-ND	1.82	1.54	1.29	—	—	—	—
					SPST-HV-N/O							
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-020-ND†	3.64	3.08	2.58	57025-000-ND†	2.63	2.23	1.87
2	22.86	4.57	3.81/19.05	PCB Pins	59050-020-ND†	2.28	1.93	1.61	57050-000-ND†	3.19	2.70	2.26
A	—	—	3.81/20.32	12" PVC Leads	59065-020-ND†	4.55	3.85	3.22	57065-000-ND†	3.28	2.78	2.33
B	—	—	3.81/20.32	12" PVC Leads	59070-020-ND†	4.55	3.85	3.22	57070-000-ND†	3.09	2.62	2.19
5	—	—	3.81/20.32	Connector	59105-020-ND†	4.97	4.21	3.52	57105-000-ND†	2.73	2.31	1.94
6	28.57	19.05	3.81/20.32	Pins	59125-020-ND†	4.32	3.66	3.06	57125-000-ND†	2.73	2.31	1.94
7	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-020-ND	7.28	6.16	5.16	57135-000-ND	3.64	3.08	2.58
8	23.01	14.00	4.44/20.32	12" PVC Leads	59140-020-ND†	3.87	3.28	2.74	57140-000-ND†	2.96	2.51	2.10
8	28.57	19.05	5.71/20.32	12" PVC Leads	59145-020-ND†	4.10	3.47	2.90	57145-000-ND†	2.73	2.31	1.94
7	28.57	19.05	5.71/20.32	12" PVC Leads	59150-020-ND†	4.10	3.47	2.90	57150-000-ND†	2.73	2.31	1.94
					SPDT-O/C							
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-030-ND•	4.78	4.05	3.39	57025-000-ND•	2.63	2.23	1.87
A	—	—	3.81/20.32	12" PVC Leads	59065-030-ND•	5.92	5.01	4.19	57065-000-ND•	3.28	2.78	2.33
B	—	—	3.81/20.32	12" PVC Leads	59070-030-ND	5.92	5.01	4.19	57070-000-ND	3.09	2.62	2.19
4	—	—	2.54/6.35	12" PVC Leads	59085-030-ND	9.56	8.09	6.77	—	—	—	—
7	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-030-ND	8.85	7.32	6.12	57135-000-ND	3.64	3.08	2.58
8	23.01	14.00	4.44/20.32	12" PVC Leads	59140-030-ND•	5.69	4.82	4.03	57140-000-ND•	2.96	2.51	2.10
8	28.57	19.05	5.71/20.32	12" PVC Leads	59145-030-ND•	5.69	4.82	4.03	57145-000-ND•	2.73	2.31	1.94
7	28.57	19.05	5.71/20.32	12" PVC Leads	59150-030-ND•	5.69	4.82	4.03	57150-000-ND•	2.73	2.31	1.94
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-030-ND	4.55	3.85	3.22	57050-000-ND	3.19	2.70	2.26
					SPST-N/C							
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-040-ND	4.55	3.85	3.22	57025-000-ND	2.63	2.23	1.87
A	—	—	3.81/20.32	12" PVC Leads	59065-040-ND	5.46	4.62	3.87	57065-000-ND	3.28	2.78	2.33
B	—	—	3.81/20.32	12" PVC Leads	59070-040-ND	5.46	4.62	3.87	57070-000-ND	3.09	2.62	2.19
7	23.01	19.05	4.44/20.32	12" PVC Leads	59140-040-ND	5.23	4.43	3.71	57140-000-ND	2.96	2.51	2.10

-KIT-ND ***Digi-Key® Magnetic Switches Kit*** Assortment of switches denoted. (22 total pieces) Includes notebook style standard case $69.95
-KIT-ND ***Digi-Key® Magnetic Switches Kit*** One each of switches denoted. (18 total pieces) Includes notebook style standard case $49.95

ADIAL MAGNET INC
gnets

from Neodymium Iron Boron (NdFeB), rare earth magnets. Neo-
m Magnets are the most powerful permanent magnetic materials
ercially available. Increasing the size of a magnet also increases
etic strength.
agnets are nickel plated.

Description	Gauss Strength	Digi-Key Part No.	Price Each 1	10	50	100
1" Dia. x 1/8" Thick	10,800	469-1000-ND	2.05	1.80	1.60	1.42
3/4" Dia. x 1/8" Thick	10,800	469-1001-ND	1.20	1.16	1.05	.96
1/2" Dia. x 1/8" Thick	10,800	469-1002-ND	.60	.54	.48	.46
1/4" Dia. x 1/4" Thick	10,800	469-1003-ND	.36	.34	.32	.30
1/4" Dia. x 1/8" Thick	10,800	469-1004-ND	.20	.19	.18	.16
1/4" Dia. x 1/16" Thick	10,800	469-1005-ND	.13	.12	.11	.10
1" x 2" x 1/8" Thick	10,800	469-1006-ND	4.80	4.50	4.14	3.84
1" x 2" x 1/4" Thick	10,800	469-1007-ND	7.95	7.20	6.75	5.56

OMRON® Low Signal Relays

RoHS COMPLIANT

All Relays UL/CSA approved

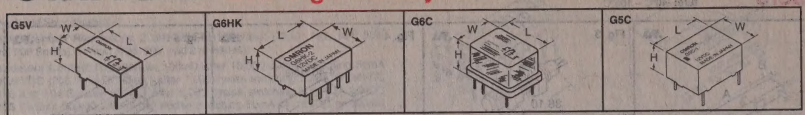
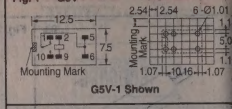


Fig.	Contact Form	Coil Volt. (VDC)	Coil Res. (Ω)	Contact Ratings Resistive (A) 24 VDC	Contact Ratings Resistive (A) 115 VAC	Oper. Volt. (% of Rated) Pull/Drop/Max. On/Out/Cont.	Oper./Rel. Time/ Time (msec.)	Dimensions (mm) H x L x W	Digi-Key Part No.	Price Each 1	Price Each 25	Price Each 50	Omron Part No.
						PC Mount Low Signal Relays							
1	SPDT†	3	60	1	0.5	80/10/200	5/5	10x12.5x7.5	Z2204-ND	2.33	2.10	1.86	G5V-1-DC3
		5	167	1	0.5	80/10/200	5/5	10x12.5x7.5	Z773-ND	2.33	2.10	1.86	G5V-1-DC5
		12	960	1	0.5	80/10/200	5/5	10x12.5x7.5	Z774-ND	2.33	2.10	1.86	G5V-1-DC12
		24	3,840	1	0.5	80/10/200	5/5	10x12.5x7.5	Z775-ND	2.33	2.10	1.86	G5V-1-DC24
	DPDT	3	18	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z2185-ND	2.85	2.57	2.28	G5V-2-DC3
		5	50	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z767-ND	2.85	2.57	2.28	G5V-2-DC5
		12	288	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z768-ND	2.88	2.59	2.30	G5V-2-DC12
		24	1,152	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z769-ND	2.88	2.59	2.30	G5V-2-DC24
		48	4,000	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z2255-ND	2.69	2.43	2.16	G5V-2-DC48
	DPDT	5	70	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z770-ND	3.08	2.77	2.46	G5V-2-H-DC5
		12	400	2	0.5	75/5/120	7/3	11.5x20.5x10.1	Z771-ND	3.08	2.77	2.46	G5V-2-H-DC12
		24	1,600	2	0.5	75/5/150	7/3	11.5x20.5x10.1	Z772-ND	3.08	2.77	2.46	G5V-2-H-DC24
		3	60	2	0.5	75/5/150	7/3	11.5x20.5x10.1	Z2203-ND	3.18	2.86	2.54	G5V-2-H1-DC3
		5	166.7	2	0.5	75/5/150	7/3	11.5x20.5x10.1	Z108-ND	3.18	2.86	2.54	G5V-2-H1-DC5
		12	960	2	0.5	75/5/150	7/3	11.5x20.5x10.1	Z109-ND	3.18	2.86	2.54	G5V-2-H1-DC12
		24	2,880	2	0.5	75/5/150	7/3	11.5x20.5x10.1	Z110-ND	3.18	2.86	2.54	G5V-2-H1-DC24
2	DPDT*	5	125	1	0.6	70/10/150	5/5	8.4x20.3x10.1	Z105-ND	4.68	4.21	3.74	G6A234PSTUSDC5BYOMZ
		12	720	1	0.6	70/10/150	5/5	8.4x20.3x10.1	Z106-ND	4.68	4.21	3.74	G6A234PSTUSDC12BYOMZ
		24	2,880	1	0.6	70/10/150	5/5	8.4x20.3x10.1	Z107-ND	4.68	4.21	3.74	G6A-234P-ST-US-DC24
		3	45	2	0.5	70/10/150	5/3	8.4x20.3x10.1	Z122-ND	4.58	4.12	3.66	G6A274PSTUSDC3BYOMZ
		5	125	2	0.5	70/10/150	5/3	8.4x20.3x10.1	Z123-ND	4.58	4.12	3.66	G6A274PSTUSDC5BYOMZ
		12	720	2	0.5	70/10/150	5/3	8.4x20.3x10.1	Z124-ND	4.58	4.12	3.66	G6A274PSTUSDC12BYOMZ
		24	2,880	2	0.5	70/10/150	5/3	8.4x20.3x10.1	Z125-ND	4.58	4.12	3.66	G6A274PSTUSDC24BYOMZ
		24	1,440	2	0.5	70/10/150	5/3	8.4x20.3x10.1	Z2246-ND	4.58	4.12	3.66	G6A-274P-ST40-US-DC24
		48	9,750	2	0.5	75/5/150	5/3	8.4x20.3x10.1	Z2256-ND	4.58	4.12	3.66	G6A-274P-ST-US-DC48
3	DPDT	5	125	1	0.5	70/10/150	5/5	7.9x16.0x9.9	Z706-ND	4.00	3.60	3.20	G5A-237P-DC5
		12	720	1	0.5	70/10/150	5/5	7.9x16.0x9.9	Z707-ND	4.00	3.60	3.20	G5A-237P-DC12
		24	2,880	1	0.5	70/10/150	5/5	7.9x16.0x9.9	Z708-ND	4.13	3.72	3.30	G5A-237P-DC24
		5	125	1	0.5	70/10/150	5/5	8.0x16.0x9.9	Z942-ND	4.33	3.90	3.46	G5A-234P-DC5
		12	720	1	0.5	70/10/150	5/5	8.0x16.0x9.9	Z943-ND	4.33	3.90	3.46	G5A-234P-DC12
		24	2,880	1	0.5	70/10/150	5/5	8.0x16.0x9.9	Z944-ND	4.33	3.90	3.46	G5A-234P-DC24
4	SPDT	5	63	3	0.6	70/10/190	5/5	8.0x16.0x9.9	Z761-ND	4.25	3.83	3.40	G6E-134P-L-ST-US-DC5
		12	360	3	0.6	70/10/190	5/5	8.0x16.0x9.9	Z762-ND	3.85	3.47	3.08	G6E-134P-L-ST-US-DC12
		24	1,440	3	0.6	70/10/190	5/5	8.0x16.0x9.9	Z763-ND	3.85	3.47	3.08	G6E-134P-L-ST-US-DC24
	SPDT*	5	125	3	0.2	70/10/190	5/5	7.9x16.0x9.9	Z830-ND	4.03	3.63	3.22	G6E-134P-ST-US-DC5
		12	720	3	0.2	70/10/190	5/5	7.9x16.0x9.9	Z831-ND	4.03	3.63	3.22	G6E-134P-ST-US-DC12
		24	2,880	3	0.2	70/10/190	5/5	7.9x16.0x9.9	Z832-ND	4.03	3.63	3.22	G6E-134P-ST-US-DC24
5	4PDT*	5	69	1	0.3	70/10/150	7/5	8.4x35.4x10.1	Z940-ND	10.10	9.09	8.08	G6A-434P-STUS-DC5
		5	69	1	0.3	70/10/150	7/5	8.4x35.4x10.1	Z2257-ND	8.05	7.25	6.44	G6A-474P-ST-US-DC5
		12	400	1	0.3	70/10/150	7/5	8.4x35.4x10.1	Z206-ND	10.10	9.09	8.08	G6A-434P-ST-US-DC12
		24	1,600	1	0.3	70/10/150	7/5	8.4x35.4x10.1	Z941-ND	10.10	9.09	8.08	G6A-434P-STUS-DC24
						PC Mount Low Signal Relays — Latching Type							
6	DPDT*	5	139	1	0.3	70/70/200	5/5	8.4x20.2x10.1	Z749-ND	5.85	5.27	4.68	G6AK-234P-ST-US-DC5
		12	800	1	0.3	70/70/200	5/5	8.4x20.2x10.1	Z750-ND	4.68	4.21	3.74	G6AK-234P-ST-US-DC12
		24	3,200	1	0.3	70/70/200	5/5	8.4x20.2x10.1	Z751-ND	5.85	5.27	4.68	G6AK-234P-ST-US-DC24
—	SPDT†*	5	125	2	0.4	70/70/190	5/5	7.9x16.0x9.9	Z833-ND	5.20	4.68	4.16	G6EK-134P-ST-US-DC5
		12	720	2	0.4	70/70/190	5/5	7.9x16.0x9.9	Z834-ND	5.20	4.68	4.16	G6EK-134P-ST-US-DC12
		24	2,880	2	0.4	70/70/190	5/5	7.9x16.0x9.9	Z835-ND	5.40	4.86	4.32	G6EK-134P-ST-US-DC24
7	DPDT†	5	125	1	0.5	75/75/190	3/2	5.0x14.0x9	Z965-ND	4.85	4.37	3.88	G6HK-2-DC5
		12	720	1	0.5	75/75/190	3/2	5.0x14.0x9	Z966-ND	4.85	4.37	3.88	G6HK-2-DC12
		24	1,920	1	0.5	75/75/190	3/2	5.0x14.0x9	Z967-ND	5.23	4.71	4.18	G6HK-2-DC24
						High Sensitivity Power Relays (Low Power Consumption)							
8	SPST-NO†	5	125	5	5	70/10/130	10/10	9.9x20.1x9.9	Z945-ND	4.13	3.72	3.30	G6B-1114P-US-DC5
		5	125	8	8	70/10/130	10/10	12.44x20.0x9.9	Z712-ND	4.95	4.46	3.96	G6B-1174P-US-DC5
		6	180	5	5	70/10/130	10/10	9.9x20.1x9.9	Z752-ND	4.13	3.72	3.30	G6B-1114P-US-DC6
		12	720	5	5	70/10/130	10/10	9.9x20.1x9.9	Z753-ND	4.13	3.72	3.30	G6B-1114P-US-DC12
		12	720	8	8	70/10/130	10/10	12.44x20.0x9.9	Z713-ND	4.95	4.46	3.96	G6B-1174P-US-DC12
		24	2,880	5	5	70/10/130	10/10	9.9x20.1x9.9	Z754-ND	4.25	3.83	3.40	G6B-1114P-US-DC24
		24	2,880	8	8	70/10/130	10/10	12.44x20.0x9.9	Z714-ND	5.13	4.62	4.10	G6B-1174P-US-DC24
9	SPST-NO†	5	125	10	10	70/10/130	10/10	10.2x20.0x15.0	Z715-ND	4.98	4.48	3.98	G6C-1114P-US-DC5
		12	720	10	10	70/10/130	10/10	10.2x20.0x15.0	Z716-ND	4.98	4.48	3.98	G6C-1114P-US-DC12
		24	2,880	10	10	70/10/130	10/10	10.2x20.0x15.0	Z948-ND	5.13	4.62	4.10	G6C-1114P-US-DC24
10	SPST-NO/NC	5	125	8	8	70/10/130	10/10	9.9x20.0x15.0	Z949-ND	5.73	5.16	4.58	G6C-2114P-US-DC5
		12	720	8	8	70/10/130	10/10	9.9x20.0x15.0	Z950-ND	5.73	5.16	4.58	G6C-2114P-US-DC12
		24	2,880	8	8	70/10/130	10/10	9.9x20.0x15.0	Z951-ND	5.90	5.31	4.72	G6C-2114P-US-DC24
—	PC Mount Relay Socket for G6C Series							15x23x10.79	Z126-ND	1.90	1.71	1.52	P6C-06P
11	SPST-NO*	12	720	10	15	75/10/110	10/10	11x22x16	Z779-ND	3.43	3.09	2.74	G5CE-1-DC12
	SPST-NO†	5	125	10	10	75/10/150	10/10	11x22x16	Z2155-ND	3.70	3.33	2.96	G5CA-1A4-DC5
		12	720	10	10	75/10/150	10/10	11x22x16	Z2156-ND	3.70	3.33	2.96	G5CA-1A4-DC12
		24	2,880	10	10	75/10/150	10/10	11x22x16	Z2157-ND	3.70	3.33	2.96	G5CA-1A4-DC24
	SPST-NO	5	125	10	10	75/10/150	10/10	11x22x16	Z2158-ND	3.43	3.09	2.74	G5CA-1A-DC5
		12	720	10	10	75/10/150	10/10	11x22x16	Z2159-ND	3.43	3.09	2.74	G5CA-1A-DC12
		24	2,880	10	10	75/10/150	10/10	11x22x16	Z2160-ND	3.55	3.20	2.84	G5CA-1A-DC24
		5	125	10	15	75/10/150	10/10	11x22x16	Z2161-ND	4.43	3.99	3.55	G5CA-1A-E-DC5
		12	720	10	15	75/10/150	10/10	11x22x16	Z2162-ND	3.75	3.38	3.00	G5CA-1A-E-DC12
		24	2,880	10	15	75/10/150	10/10	11x22x16	Z2163-ND	3.75	3.38	3.00	G5CA-1A-E-DC24
—	SPST-NO	12	720	10	15	75/10/150	10/10	11x22.1x25.1	Z2164-ND	5.05	4.55	4.04	G5CA-1A-TP-E-DC12
		24	2,880	10	15	75/10/150	10/10	11x22.1x25.1	Z2165-ND	5.05	4.55	4.04	G5CA-1A-TP-E-DC24

† Sealed case * Meets FCC Part 68 standards

Mounting Hole Pattern and Connection Diagram "Bottom view unless otherwise noted"

Fig. 1 — G5V



G5V-1 Shown

Fig. 2 — G6A Pin #1 is Positive

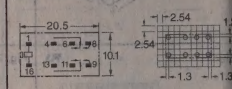


Fig. 3 — G5A

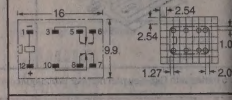


Fig. 4 — G6E

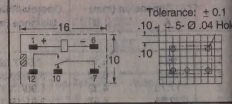


Fig. 5 — G6A

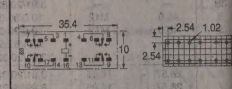


Fig. 6 — G6AK

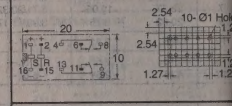


Fig. 7 — G6HK

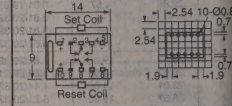


Fig. 8 — G6B

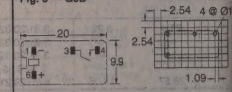


Fig. 9 — G6C

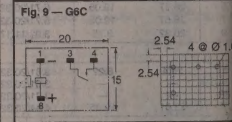


Fig. 10 — G6C

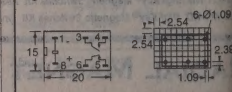
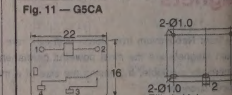


Fig. 11 — G5CA



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eneral Cable CAROL BRAND Hook-Up Wire

or: • Fully annealed tinned copper per ASTM B-33 **Insulation:** • Premium grade color coded PVC. • Temperature -20°C ~ 105°C. • Voltage Rating: 300 Volts . • Nominal Insulation Thickness: 0.016 (0.41mm) **Industry Is:** • UL Style 1007 • CSA TR-64 • Passes UL VW-1 Vertical Flame Test • OSHA acceptable.

Cond. Strand	Ins. O.D. (mm)	Digi-Key* Part No. for 100 ft.	Price 100 ft.†	Digi-Key* Part No. for 1000 ft.	Price 1,000 ft.†	General Cable Part No.
Solid Conductors						
Solid	1.32	C2003□-100-ND	14.27	C2003□-1000-ND	55.83	C2003
Solid	1.45	C2004□-100-ND	15.15	C2004□-1000-ND	64.63	C2004
Solid	1.63	C2028□-100-ND	17.79	C2028□-1000-ND	91.06†	C2028
Solid	1.83	C2052□-100-ND	21.29	C2052□-1000-ND	126.01	C2052
Solid	2.11	C2053□-100-ND	25.70	C2053□-1000-ND	170.15	C2053
Stranded Conductors						
7/32	1.42	C2015□-100-ND	15.23	C2015□-1000-ND	65.40	C2015
7/30	1.57	C2016□-100-ND	16.41	C2016□-1000-ND	77.17	C2016
10/30	1.78	C2040□-100-ND	18.70	C2040□-1000-ND	100.14	C2040
16/30	2.03	C2064□-100-ND	22.82	C2064□-1000-ND	141.33	C2064
26/30	2.34	C2065□-100-ND	28.65	C2065□-1000-ND	199.60	C2065

ded, PVC Insulation UL Style 1015, , PVC, 600V 105°C, VW-1

Strand	Nom. O.D. (mm)	Insulation Thickness	Digi-Key* Part No. for 100 ft.	Price 100 ft.†	Digi-Key* Part No. for 1000 ft.	Price 1,000 ft.†	General Cable Part No.
Stranded							
7/32	2.24	0.81mm	C2100□-100-ND	15.98	C2100□-1000-ND	72.97	C2100
7/30	2.39	0.81mm	C2101□-100-ND	17.68	C2101□-1000-ND	89.88	C2101
10/30	2.59	0.81mm	C2102□-100-ND	20.08	C2102□-1000-ND	114.77	C2102
16/30	2.84	0.81mm	C2103□-100-ND	22.54	C2103□-1000-ND	139.32	C2103
26/30	3.15	0.81mm	C2104□-100-ND	29.81	C2104□-1000-ND	99.45	C2104
41/30	3.58	0.81mm	C2105□-100-ND	37.69	C2105□-1000-ND	294.73	C2105
105/30	4.67	0.81mm	C2107□-100-ND	79.26	C2107□-1000-ND	689.63	C2107
Solid							
1	2.26	0.81mm	C2117□-100-ND	16.58	C2117□-1000-ND	78.91	C2117
1	2.44	0.81mm	C2118□-100-ND	19.06	C2118□-1000-ND	103.74	C2118
1	2.64	0.81mm	C2119□-100-ND	22.91	C2119□-1000-ND	143.04	C2119

In Digi-Key Part No. choose letter which represents color of your choice: B=Black; W=White; R=Red; G=Green; nge; Y=Yellow; L=Blue; N=Brown; S=Slate Gray; V=Violet.

tolerance is ±1% • Wire is ordered per EIA-359-A color specification which allows for some variation in shade.

Audio and Communication

C1331 AND C1340 – Conductor: • 22 thru 20 AWG fully annealed stranded tinned copper per ASTM B-33 **Insulation:** • **C1331:** Premium grade, color coded PVC • **C1340:** Premium grade, color coded polypropylene **Shield:** • 100% Flexfoil® aluminum/polyester over 2 conductors, 25% overlap, minimum, foil facing out • Stranded tinned copper drain wire **Jacket:** • PVC, gray • Temperature Range: -20°C ~ 80°C **Applications:** • Audio • Communications • EMI isolated circuits for instrumentation

C2509 – Conductor: • 20 AWG fully annealed solid tinned copper per ASTM B-33 **Insulation:** • Premium grade, color coded polyethylene **Shield:** • 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out • Solid tinned copper drain wire **Jacket:** • Permaline® high density polyvinyl, Black • Temperature Range: -20°C ~ 80°C **Applications:** • Suitable for direct burial. • Outdoor uses • 100% shielded cable where RF shielding is required. • Suggested Voltage Rating: 350 Volts

Fig. 1

Fig. 2

No. of Cond.	Cond. Size (AWG)	Strand	Nominal Insulation Thickness (mm)	Nominal O.D. (mm)	Digi-Key Part No.	(X = No. of Ft. Per Roll) Price Per Roll 100 ft.	1,000 ft.	5,000 ft.	General Cable Part No.
Fig. 1 — UL Style 2095, 300 Volt NEC Type CL2, Gray									
4	20	7/28	0.41	5.84	C1331-X-ND	53.70	302.45	—	C1331.41.10
Fig. 1 — UL Style 2835, 30 Volt, Gray									
4	22	7/30	0.20	4.24	C1340-X-ND	37.82	199.26	—	C1340.21.10
Fig. 2 — UL Style C2509, 350 Volt, Black									
2	20	Solid	0.33	4.83	C2509-X-ND	—	248.32	795.08	C2509.46.01

Rubber/PVC Test Lead Wire

Conductor: • Fully annealed stranded tinned copper per ASTM B-33 **Insulation:** • Premium grade color coded Rubber or PVC • Temperature Range: -20°C ~ 60°C. Rubber: -25°C ~ 60°C. PVC

No. of Cond.	Cond. Size (AWG)	Strand	Nominal Insulation Thickness (mm)	Working Voltage	Color	Nom. O.D. (mm)	Digi-Key Part No.	(X = No. of Ft. Per Roll) Price Per Roll 100 ft.	1,000 ft.	General Cable Part No.
Rubber Test Leads										
1	18	65/36	1.14	5,000V	Black	3.56	C1321R-X-ND	34.64	136.03	C1321.21.01
1	18	65/36	1.14	5,000V	Red	3.56	C1321R-X-ND	34.64	136.03	C1321.21.03
PVC Test Leads										
1	18	65/36	1.14	5,000V	Black	3.56	C1320R-X-ND	29.83	110.40	C1320.21.01
1	18	65/36	1.14	5,000V	Red	3.56	C1320R-X-ND	29.83	110.40	C1320.21.03

eneral Cable CAROL BRAND PVC Coated Speaker Cable

tor: Fully annealed 1 bare, 1 tin stranded cop- ASTM B-174; Fully annealed stranded bare per ASTM B-3 (C1364 style only) • •
ion: Clear; Premium grade PVC; Premium uperflex PVC (C1364 style only) • •
PVC Clear
rature Range: -20°C ~ 60°C
g Rating: UL listed (wires, misc.) 120V max.

tolerance is ±10%

No. of Cond.	Cond. Size (AWG)	Strand	Nominal Insulation Thickness (mm)	Nominal O.D. (mm)	Suggested Working Voltage	Digi-Key Part No.	(X = No. of Ft. Per Roll) Price Per Roll 500 ft.†	1,000 ft.†	General Cable Part No.
2	24	7/32	0.41	1.40 x 2.79	120	C1356-X-ND	27.78	49.99	C1356
2	22	7/30	0.51	1.78 x 3.68	120	C1362-X-ND	42.09	77.51	C1362
2	20	10/30	0.51	2.16 x 4.06	120	C1360-X-ND	—	105.77	C1360
2	18	16/30	0.64	2.54 x 4.75	120	C1357-X-ND	68.57	129.28	C1357
2	16	26/30	0.64	2.84 x 5.33	120	C1358-X-ND	102.00	191.98	C1358
2	14	41/30	0.64	3.05 x 5.84	120	C1361-X-ND	162.99	306.22	C1361
2	12	65/30	0.76	4.06 x 8.51	120	C1363-X-ND	258.93	501.67	C1363
2	12	7 x 37/36	1.52	5.84 x 11.94	120	C1364-X-ND* *	383.21	690.42	C1364

OK Industries Division of Jonard Industries Corp. Wire Strippers

Features:
• Calibrated Strip Length (Adjustable to 2 inches) • Single action squeeze-pull motion • Clean, precise strip of any insulation type • Short-pocket size and light weight

K503-ND 20 - 30 AWG **$47.92**
K276-ND 18 - 28 AWG **$47.92**

BURN PVC Coated Speaker Cable

tors are parallel, d copper for Hi-Fi speaker

sulation
erature Rating: - 60°C
ng Voltage: 300

Cond.	Size	Strand	Digi-Key Part No.	(X = No. of Ft. Per Roll) Price Per Roll 100 ft.	1,000 ft.	Daburn Part No.
2*	22	7/30	W200-X-ND	7.29	57.05	2753
2*	18	16/30	W201-X-ND	13.60	110.76	2759C
2*	16	26/30	W202-X-ND	17.77	142.89	2760

* 1 Conductor Tinned Copper; 1 Conductor Bare Copper

tyco Electronics AMP Cable Stripper

A1110-ND Cable Stripping Tool for RG/58, 59
(AMP Part No. 603995-1) **$108.66**

MILLER® Wire Strippers

101-S

721, 821, 921

101-S WIRE STRIPPER:
Handy, lightweight, universal stripping tool cuts and strips common wire sizes. Hardened blades. Plastic grips. Spring action to speed work. Full length: 5.125" (130.18mm)

721, 821, 921 WIRE STRIPPERS:
Strip and cut commonly used wire, single or stranded, AWG or metric. Each tool will strip several different wire sizes. Narrow nose plier design is an extra feature along with cushion grips and spring release. Hardened pivot joint for longer life. A perfect tool for solder benches or assembly areas.

101-S-ND Up to 10 AWG **$7.84**
721-ND 10 - 20 AWG **$15.05**
821-ND 16 - 26 AWG **$15.05**
921-ND 20 - 30 AWG **$15.05**

NICO DEVICE INC. Thermal Wire Strippers

PTS-30-ND

PTS-10-ND
PTS-20-ND

me, heating element: 450°F (232°C) in less than 5 . • Teflon stripper 1700°F (927°C) in less than 5 • Eliminates nicks and broken strands of conductors s, solid, stranded and shielded wires. • Does not burn C line power or rechargeable battery-power versions te with cleaning brush and operating instructions.

Description	Digi-Key Part No.	Price Each
Thermal Wire Stripper, Battery Powered with Cleaning Brush	PTS-20-ND*	104.47
Replacement Blade for PTS-20	PTS-201-ND	5.04
Thermal Wire Stripper with Cleaning Brush	PTS-10-ND*	59.41
Replacement Blade for PTS-10-ND	PTS-101-ND	5.19
Teflon Wire Stripper for 16-30 AWG	PTS-30-ND	97.00
Replacement Blade for PTS-30-ND	PTS-302-ND	5.32

* Will not strip Teflon wire.

BURN Plastic Kinkless Test Lead Wire

nulation vinyl maximum flexibility. Temperature stability from -80°C ~ 105°C. Exceed requirements for MIL-I-3930A Type . Suitable for test leads, etc. Resistant to gasoline and oil. Excellent abrasion resistance. **Description:** One conductor tinned tranded, special formulation vinyl insulation - smooth surface.
g Temperature: -80°C ~ 105°C, 5000V rating.

Size	Strand	Ins. (mm)	O.D. Nom.	Digi-Key Part No. Red	Black	Yellow	Green	Price Per Roll
22	26/36	.81	2.54	W2722R-100-ND	W2722B-100-ND	W2722Y-100-ND	W2722G-100-ND	14.97
22	26/36	.81	2.54	W2722R-1000-ND	W2722B-1000-ND	W2722Y-1000-ND	W2722G-1000-ND	98.88
18	65/36	.81	2.84	W2718R-100-ND	W2718B-100-ND	W2718Y-100-ND	W2718G-100-ND	25.25
18	65/36	.81	2.84	W2718R-1000-ND	W2718B-1000-ND	W2718Y-1000-ND	W2718G-1000-ND	172.88

Rubber Kinkless Test Lead Wire

Suitable as Test Lead Wire in analyzers, instruments, oscillators, meters, etc. Wherever extra flexibility and limpness are necessary. Single conductor, extra flexible stranded soft tinned copper, color-coded rubber, smooth wax finish. **Operating Temperature:** -20°C ~ 60°C.

Ft.	Size	Nom. Strand	Breakdown Ins. Wall	Voltage	Nom. Voltage	O.D. Nom.	Digi-Key Part No. Red	Black	Price Per Roll
100	20	41/36	1.19mm	12,000V	3,000	3.48mm	W2715R-100-ND	W2715B-100-ND	41.16
1000	20	41/36	1.19mm	12,000V	3,000	3.48mm	W2715R-1000-ND	W2715B-1000-ND	271.95

Multi-Conductor Cable

COLOR CODE CHART NO. 1

No.	Color	No.	Color	No.	Color
1	Black	11	Pink	21	White/Brown
2	White	12	Tan	22	White/Orange
3	Red	13	Red/Green	23	White/Gray
4	Green	14	Red/Yellow	24	White/Violet
5	Brown	15	Red/Black	25	Wht/Blk/Red
6	Blue	16	White/Black	26	Wht/Blk/Grn
7	Orange	17	White/Red	27	Wht/Blk/Yel
8	Yellow	18	White/Green	28	Wht/Blk/Blu
9	Violet	19	White/Yellow	29	Wht/Blk/Brn
10	Gray	20	White/Blue	30	Wht/Blk/Org

COLOR CODE CHART NO. 2

No.	Color	No.	Color	No.	Color
1	Black	11	Blue/Black	21	Orange/Green
2	White	12	Black/White	22	Blk/Wht/Red
3	Red	13	Red/White	23	Wht/Blk/Red
4	Green	14	Green/White	24	Red/Blk/Wht
5	Orange	15	Blue/White	25	Grn/Blk/Wht
6	Blue	16	Black/Red	26	Org/Blk/Wht
7	White/Black	17	White/Red	27	Blu/Blk/Wht
8	Red/Black	18	Orange/Red	28	Blk/Red/Grn
9	Green/Black	19	Blue/Red	29	Wht/Red/Grn
10	Orange/Black	20	Red/Green	30	Red/Blk/Grn

COLOR CODE CHART NO. 3

No.	Color	No.	Color
1	Black	3	Red
2	Natural	4	Green

COLOR CODE CHART NO. 4

No.	Color	No.	Color
1	Black	3	White
2	Red	4	Green

Notes:

1. UL-2092 (UL: 60°C, 300V)
2. UL-2093 (UL: 60°C, 300V)
3. UL-2106 (UL: 60°C, 600V)
4. NEC Article 725 Type CL2 (UL: 75°C)
5. UL Style 2464 (UL: 80°C, 300V)
6. NEC Article 800 Type CM (UL: 75°C)
7. CSA PCC (60°C)
8. Passes UL 70,000 BTU Vertical Tray Flame Test
9. Passes CSA FT1 Flame Test
10. OSHA acceptable
11. NEC Article 725 (UL: 60°C)
12. California State Fire Marshal
13. Passes CSA FT6 Flame Test
14. NEC Article 725 Type CL3 (UL: 75°C)
15. NEC Article 800 (UL: 60°C)
16. CM-CSA PCC FT4, non UL2464
17. NEC Article 725 Power-Limited T Cable (UL: 105°C, 300V)
18. NEC Type CL3P only

A. Capacitance between conductors
B. Cap. between 1 conductor & oth conductors connected to shield

Non-Plenum

General Specifications: • Temperature Range: -20°C ~ 80°C (UL 80°C) • Voltage Rating: 150V (UL) • Each conductor stranded tinned copper • Color coded PVC insulation • Nominal Ins. Thickness: .010" (.25mm) • Gray PVC jacket • Conductors: 22AWG 7 x 30 Tinned Copper; 24 AWG 7 x 32 Tinned Copper • Insulation: SR PVC • Construction: Conductors cabled with Foil Shield 22/24 AWG stranded tin drain wire • Jacket: Chrome Vinyl 80°C • Application: For use with computers & instrumentation. 80°C, 300 V, CSA, SR-PC. Also for use in Class 2 and 3 circuits as described in Art of NEDC

Series C2534/C2535/C2536: • Conductor: Fully annealed stranded tinned copper per ASTM B-33 • Shield: 100% Flexfoil aluminum/polyester, 25% overlap, foil facing out, stranded tinned copper drain wire • Insulation: Premium grade color coded PVC • Temperature Range: -20°C ~ 75°C

Series C0454: • Conductor: 22-12AWG fully annealed stranded tinned copper per ASTM B-33 • Insulation: Premium grade color coded PVC • Shield: 100% Flexfoil aluminum/polyester, 25% overlap, foil facing out; Stranded tinned copper drain wire • Jacket: Gray PVC; Temperature Range: -20°C ~ 105°C

Series C2543: • Conductor: 18 AWG fully annealed stranded tinned copper per ASTM B-33 • Insulation: Premium grade color coded S-R PVC • Shield: 100% Flexfoil aluminum/polyester, 25% overlap, foil facing out; Stranded tinned copper drain wire • Jacket: Gray PVC ; Temperature Range: -20°C ~ 80°C

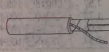
Series C2830/C2404/C2412: • Conductor: 18 AWG fully annealed stranded tinned copper per ASTM B-33 • Insulation: Premium grade color coded PVC per UL 1007 • Jacket: Gray PVC; Temperature Range: -20°C ~ 80°C

Series C2428: • Conductor: Fully annealed stranded tinned copper per ASTM B-33 • Insulation: Premium grade color coded PVC • Jacket: Gray PVC • Temperature Range: -20°C ~ 80°C

Series C0755: • Conductor: Fully annealed stranded tinned copper per ASTM B-33 • Shield: 100% Flexfoil aluminum/polyester, 25% overlap, foil facing out, stranded tinned copper drain wire • Insulation: Premium grade color coded semi-rigid PVC per UL 1061 • Jacket: Gray PVC • Temperature Range: -20°C ~ 80°C

Series C3062/C3159/C3063/C3065/C3068: • Conductor: Fully annealed stranded tinned copper per ASTM B-3, B8, or B33 • Insulation: Premium grade color coded Flexguard • Shield: 100% Flexfoil aluminum/polyester foil, 25% overlap, stranded tinned copper drain wire • Jacket: Flexguard, Natural • Temperature Range: 0°C ~ 60°C • Sequential footage marked to facilitate installations • Includes ripcord

Plenum



Series C3162: • Conductor: Fully annealed stranded tinned copper per ASTM B-3, B8 or B33 • Insulation: Premium grade color coded Flexguard • Shield: 100% Flexfoil aluminum/polyester, 25% overlap, foil facing out, stranded tinned copper drain wire • Jacket: Natural Fluoropolymer • Temperature Range: -20°C ~ 60°C

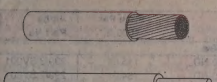
Series:C3112/C3113/C3120/C3121/C3122/C3127/C3128: • Conductor: Fully annealed stranded tinned copper or bare copper to ASTM B3, B8 or B33 • Insulation: Premium grade color coded Flexguard • Jacket: Flexguard, Natural • Temperature Range: 0°C ~ 60°C • Sequential footage marked to facilitate installation • Includes ripcord

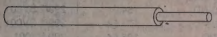
No. of Cond	Color Chart	Cond. Size (AWG)	Cond. Strand	Size of Drain Wire	Nominal Insulation Thickness Inches (mm)	Nominal Jacket Thickness Inches (mm)	Suggested Working Voltage	Nominal O.D. Inches (mm)	Nominal Cap. pF/FT (See Notes A / B)		Nominal Ω/M @ 20°C Conductor/Shield	Notes	Digi-Key Part No.	(X = No. of Ft. Per Roll) Price Per Roll 100 ft.†	500 ft. #	1,000 ft. #	Mfg. Part N
NON-PLENUM																	
Unshielded — 22AWG-7/30 Stranded																	
2	Red/Blk	22	7/30	—	0.010 (0.25)	0.025 (0.64)	300V	0.150 (3.81)	25.5	—	—	9	W120-X-ND	26.44	54.18	102.32	C6348
3	Blk/Rd/Gn	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.176 (4.47)	25.5	—	—	5, 6, 7, 8, 9, 10	W121-X-ND	36.96	79.50	149.92	C4062
4	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.189 (4.80)	25.5	—	—	5, 6, 7, 8, 9, 10	W122-X-ND	45.80	104.58	196.85	C4063
5	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.203 (5.16)	25.5	—	—	5, 6, 7, 8, 9, 10	W123-X-ND	49.20	115.07	216.61	C4064
6	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.218 (5.54)	25.5	—	—	5, 6, 7, 8, 9, 10	W124-X-ND	57.14	135.51	262.92	C4066
7	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.218 (5.54)	25.5	—	—	5, 6, 7, 8, 9, 10	W125-X-ND	61.97	—	284.79	C4068
8	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.234 (5.94)	25.5	—	—	5, 6, 7, 8, 9, 10	W126-X-ND	68.54	169.70	318.82	C4065
9	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.249 (6.32)	25.5	—	—	5, 6, 7, 8, 9, 10	W127-X-ND	79.01	—	377.83	C4070
10	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.268 (6.81)	25.5	—	—	5, 6, 7, 8, 9, 10	W128-X-ND	86.25	313.68	418.69	C4071
12	1	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.276 (7.01)	25.5	—	—	5, 6, 7, 8, 9, 10	W129-X-ND	96.86	246.96	478.47	C4067
15	2	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.303 (7.70)	25.5	—	—	5, 6, 7, 8, 9, 10	W130-X-ND	131.71	319.25	648.62	C4073
25	2	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.368 (9.35)	25.5	—	—	5, 6, 7, 8, 9, 10	W132-X-ND	213.53	529.59	1037.82	C4076
30	2	22	7/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.389 (9.88)	25.5	—	—	5, 6, 7, 8, 9, 10	W133-X-ND	257.65	995.50	1270.46	C4077
Overall Foil Shielded (100% Aluminum Mylar Foil) — 22AWG-7/30 Stranded																	
4	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.190 (4.83)	36.0	65.0	15.0	12.0	5, 6, 7, 8, 9, 10	W504-X-ND	52.87	122.69	237.94	C0768
6	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.219 (5.56)	34.0	61.0	15.0	12.0	5, 6, 7, 8, 9, 10	W506-X-ND	64.42	157.34	295.62	C0769
8	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.235 (5.97)	34.0	61.0	15.0	10.7	5, 6, 7, 8, 9, 10	W508-X-ND	80.97	200.74	388.93	C0770
10	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.269 (6.83)	34.0	61.0	15.0	10.7	5, 6, 7, 8, 9, 10	W510-X-ND	96.37	245.54	475.73	C0771
12	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.304 (7.72)	34.0	61.0	15.0	10.7	5, 6, 7, 8, 9, 10	W515-X-ND	139.02	355.71	688.47	C0772
15	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.304 (7.72)	34.0	61.0	15.0	10.7	5, 6, 7, 8, 9, 10	W520-X-ND	184.72	—	885.89	C0773
20	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.335 (8.51)	34.0	61.0	15.0	9.1	5, 6, 7, 8, 9, 10	W525-X-ND	217.93	832.99	1061.01	C0774
25	2	22	7/30	22	0.010 (0.25)	0.032 (0.81)	300V	0.369 (9.37)	34.0	61.0	15.0	9.1	5, 6, 7, 8, 9, 10					
Overall Foil Shielded (100% Aluminum Mylar Foil) — 24AWG-7/32 Stranded																	
4	1	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.175 (4.45)	33.0	59.4	26.0	18.0	5, 6, 7, 8, 9, 10	W404-X-ND	43.79	98.35	185.10	C0744
6	1	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.201 (5.11)	33.0	59.4	26.0	16.0	5, 6, 7, 8, 9, 10	W406-X-ND	52.75	122.33	237.25	C0745
8	1	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.215 (5.46)	33.0	59.4	26.0	16.0	5, 6, 7, 8, 9, 10	W408-X-ND	61.53	148.67	279.31	C0746
10	1	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.245 (6.22)	30.0	59.4	26.0	14.0	5, 6, 7, 8, 9, 10	W410-X-ND	74.00	—	349.63	C0747
12	1	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.276 (7.01)	30.0	59.4	26.0	14.0	5, 6, 7, 8, 9, 10	W415-X-ND	108.14	279.76	542.02	C0748
15	2	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.303 (7.70)	30.0	59.4	26.0	14.0	5, 6, 7, 8, 9, 10	W420-X-ND	141.94	352.95	683.13	C0749
20	2	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.333 (8.46)	30.0	59.4	26.0	12.0	5, 6, 7, 8, 9, 10	W425-X-ND	171.56	421.21	816.51	C0750
25	2	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.351 (8.92)	30.0	59.4	26.0	12.0	5, 6, 7, 8, 9, 10	W430-X-ND	210.38	—	1021.24	C0751
30	2	24	7/32	24	0.010 (0.25)	0.032 (0.81)	300V	0.351 (8.92)	30.0	59.4	26.0	12.0	5, 6, 7, 8, 9, 10					
Multi-Conductor Foil Shield																	
2	3	22	7/30	—	0.016 (0.41)	0.026 (0.66)	300V	0.179 (4.55)	26.0	47.0	—	—	1,2,3,4,5,6,7,8,9,10	C2514-1000-ND	—	—	166.09	C2514
2	Blk/Red	18	16/30	—	0.013 (0.33)	0.037 (0.94)	300V	0.227 (5.77)	50.0	90.0	—	—	8, 17	C0454-1000-ND	—	—	278.67	C0454
2	3	18	16/30	20.00	0.018 (0.46)	0.030 (0.76)	300V	0.229 (5.82)	24.0	43.0	—	—	1	C2534-X-ND	56.97	135.00	261.81	C2534
3	3	18	16/30	20.00	0.018 (0.46)	0.030 (0.76)	300V	0.247 (6.27)	22.0	40.0	—	—	2	C2535-X-ND	71.39	—	330.23	C2535
4	4	18	19/30	—	0.010 (0.25)	0.032 (0.81)	300V	0.238 (6.05)	50.0	90.0	—	—	5, 6, 7, 8, 18	C2543-1000-ND	—	—	477.96	C2543
2	3	16	19/.0117	18.00	0.032 (0.81)	0.032 (0.81)	600V	0.314 (7.98)	27.0	49.0	—	—	3, 4	C2536-X-ND	75.32	—	357.04	C2536
9	1	24	7/32	—	0.010 (0.25)	0.032 (0.81)	300V	0.228 (5.79)	30.0	59.4	26.0	16.0	5, 6, 7, 8, 9, 10	C0755-X-ND	65.99	—	304.47	C0755
Multi-Conductor Unshielded																	
2	Blk/Red	18	16/30	—	0.016 (0.41)	0.025 (0.64)	300V	0.210 (5.33)	28.0	—	—	—	5, 6, 7, 8, 16, 18	C2830-1000-ND	—	—	206.86	C2830
4	2	18	16/30	—	0.016 (0.41)	0.032 (0.81)	300V	0.258 (6.55)	28.0	—	—	—	5, 6, 7, 8, 18	C2404-1000-ND	—	—	370.99	C2404
12	2	18	16/30	—	0.016 (0.41)	0.032 (0.81)	300V	0.401 (10.19)	28.0	—	—	—	5, 6, 7, 8, 18	C2412-1000-ND	—	—	928.48	C2412
15	2	16	19/.0117	—	0.021 (0.53)	0.032 (0.81)	300V	0.534 (13.56)	28.0	—	—	—	5, 6, 7, 8, 9, 10, 14	C2428-X-ND	—	—	1837.86	C2428
PLENUM																	
Multi-Conductor Foil Shield — Plenum																	
4	1	22	7/30 TC	—	0.008 (0.20)	0.015 (0.38)	150V	0.146 (3.71)	44.0	79.2	—	—	11, 15	C3159-1000-ND	—	—	260.03	C3159
2	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.164 (4.17)	61.0	109.8	—	—	11, 15	C3062-1000-ND	—	—	244.77	C3062
2	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.147 (3.73)	53.0	95.4	—	—	6, 11, 12, 13	C3162-X-ND	65.24	—	300.25	C3162
4	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.186 (4.72)	54.0	97.2	—	—	11, 15	C3065-1000-ND	—	—	393.96	C3065
4	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.223 (5.66)	54.0	97.2	—	—	11, 15	C3063-1000-ND	—	—	570.15	C3063
6	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.187 (4.75)	70.0	126.0	—	—	11, 15	C3068-1000-ND	—	—	372.76	C3068
2	1	16	19/0117 BC	—	0.008 (0.20)	0.015 (0.38)	150V											
Multi-Conductor Unshielded — Plenum																	
2	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.130 (3.30)	35.0	—	—	—	11, 12, 15	C3112-1000-ND	—	—	201.60	C3112
3	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.166 (4.22)	35.0	—	—	—	11, 15	C3120-1000-ND	—	—	276.35	C3120
4	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.178 (4.52)	35.0	—	—	—	11, 12, 15	C3113-1000-ND	—	—	342.04	C3113
6	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.219 (5.56)	35.0	—	—	—	11, 15	C3121-1000-ND	—	—	541.73	C3121
8	1	18	7/26 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.239 (6.07)	35.0	—	—	—	11, 15	C3122-1000-ND	—	—	662.58	C3122
2	1	16	19/.0117 BC	—	0.008 (0.20)	0.015 (0.38)	150V	0.147 (3.73)	39.0	—	—	—	11, 15	C3127-1000-ND	—	—	295.68	C3127
2	1	14	19/.0117 BC	—	0.010 (0.25)	0.015 (0.38)	150V	0.182 (4.62)	39.0	—	—	—	11, 15	C3128-1000-ND	—	—	433.21	C3128

† Length tolerance is ±1%. Spools are not UL/CSA marked # Length tolerance is ±10%

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Hook-Up Wire



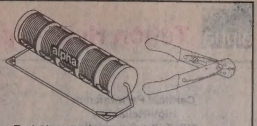


Description:
- Stranded or solid tinned copper conductor
- Color coded PVC insulation
- Flammability: Passes UL VW-1 flame test
- Wire is ordered per EIA-359-A color specifications which allows for some variation in shade

Operating Temperature:
300 Volt: -40°C ~ 90°C (CSA TR-64), -40°C ~ 80°C (UL AWM 1007)
600 Volt: -20°C ~ 105°C (UL1015, CSA TEW-105), -55°C ~ 105°C (MIL-W-16878E Type B) also (MIL-W-76B Type LW)

◊ **HU-KIT-20-ND**
Five 100-ft. spools, 22AWG, 300V stranded wire (black, white, red, green and blue)..... **$175.60**

§ **HU-KIT-40-ND**
Five 100-ft. spools, 24AWG, 300V stranded wire (black, white, red, green and blue)..... **$175.60**



Each kit comes in a convenient wall dispenser and includes wire cutter.

Conductor Size (AWG)	Conductor Strand	Insulation Thickness Inch (mm)	Diameter Inch (mm)	Digi-Key Part No.*	Price Per 100 ft.	Alpha Part No.**	Digi-Key Part No.*	Price Per 1,000 ft.	Alpha Part No.**
Stranded — 300 Volt Rating									
30	7/38	.016 (.41)	.043 (1.09)	A3047☐-100-ND†	25.54	3047 ☐ ☐005	A3047☐-1000-ND†	125.66	3047 ☐☐001
28	7/36	.016 (.41)	.047 (1.19)	A3048☐-100-ND†	22.84	3048 ☐ ☐005	A3048☐-1000-ND†	113.96	3048 ☐☐001
26	7/34	.016 (.41)	.051 (1.30)	A3049☐-100-ND†	24.75	3049 ☐ ☐005	A3049☐-1000-ND†	118.01	3049 ☐☐001
24	7/32	.016 (.41)	.057 (1.45)	A2015☐-100-ND§	25.31	3050 ☐ ☐005	A2015☐-1000-ND	119.48	3050 ☐☐001
22	7/30	.016 (.41)	.065 (1.65)	A2016☐-100-ND◊	28.58	3051 ☐ ☐005	A2016☐-1000-ND	131.63	3051 ☐☐001
20	10/30	.016 (.41)	.071 (1.80)	A2040☐-100-ND	34.76	3053 ☐ ☐005	A2040☐-1000-ND	167.29	3053 ☐☐001
18	16/30	.016 (.41)	.080 (2.03)	A2064☐-100-ND	40.16	3055 ☐ ☐005	A2064☐-1000-ND	194.74	3055 ☐☐001
16	26/30	.016 (.41)	.095 (2.41)	A2065☐-100-ND	58.31	3057 ☐ ☐005	A2065☐-1000-ND	277.67	3057 ☐☐001
Solid — 300 Volt Rating									
24	Solid	.016 (.41)	.057 (1.45)	A3050☐-100-ND†	18.40	3050/1 ☐ ☐005	—	—	—
22	Solid	.016 (.41)	.065 (1.65)	A3051☐-100-ND†	20.90	3051/1 ☐ ☐005	—	—	—
20	Solid	.016 (.41)	.071 (1.80)	A3053☐-100-ND†	25.30	3053/1 ☐ ☐005	—	—	—
16	Solid	.016 (.41)	.095 (2.41)	A3057☐-100-ND†	41.40	3057/1 ☐ ☐005	—	—	—
Stranded — 600 Volt Rating, -20°C to 105°C									
24	7/32	.032 (.81)	.088 (2.24)	A3070☐-100-ND†	25.50	3070 ☐ ☐005	—	—	—
22	7/30	.032 (.81)	.094 (2.39)	A2101☐-100-ND	30.71	3071 ☐ ☐005	A2101☐-1000-ND	158.51	3071 ☐☐001
20	10/30	.032 (.81)	.100 (2.54)	A2102☐-100-ND	33.90	3073 ☐ ☐005	A2102☐-1000-ND	177.70	3073 ☐☐001
18	16/30	.032 (.81)	.112 (2.84)	A2103☐-100-ND	45.80	3075 ☐ ☐005	A2103☐-1000-ND	231.40	3075 ☐☐001
16	26/30	.032 (.81)	.124 (3.15)	A2104☐-100-ND	58.70	3077 ☐ ☐005	A2104☐-1000-ND	334.10	3077 ☐☐001
14	41/30	.032 (.81)	.134 (3.61)	A3079☐-100-ND†	78.70	3079 ☐ ☐005	—	—	—
12	65/30	.032 (.81)	.162 (3.93)	A3080☐-100-ND†	149.80	3080 ☐ ☐005	—	—	—
10	105/30	.032 (.81)	.180 (4.83)	A3081☐-100-ND†	234.70	3081 ☐ ☐005	—	—	—
Stranded — 600 Volt Rating, -55°C to 105°C (available in white, black or red only)									
28	7/36	.010 (.25)	.034 (.86)	A1852☐-100-ND	28.35	1852 ☐☐005	—	—	—
26	7/34	.010 (.25)	.038 (.96)	A1853☐-100-ND	28.35	1853 ☐☐005	—	—	—
24	7/32	.010 (.25)	.043 (1.09)	A1854☐-100-ND	28.69	1854 ☐☐005	—	—	—
24	19/36	.010 (.25)	.043 (1.09)	A185419☐-100-ND	46.24	1854/19 ☐☐005	—	—	—
22	7/30	.010 (.25)	.050 (1.27)	A1855☐-100-ND	30.94	1855 ☐☐005	—	—	—
22	19/34	.010 (.25)	.050 (1.27)	A185519☐-100-ND	60.64	1855/19 ☐☐005	—	—	—
20	7/28	.010 (.25)	.058 (1.47)	A1856☐-100-ND	38.59	1856 ☐☐005	—	—	—
20	19/32	.010 (.25)	.058 (1.47)	A185619☐-100-ND	59.85	1856/19 ☐☐005	—	—	—
18	19/30	.010 (.25)	.068 (1.73)	A185719☐-100-ND	87.08	1857/19 ☐☐005	—	—	—
16	19/29	.010 (.25)	.077 (1.96)	A185819☐-100-ND	57.71	1858/19 ☐☐005	—	—	—
14	19/27	.010 (.25)	.091 (2.31)	A185919☐-100-ND	116.44	1859/19 ☐☐005	—	—	—

For ☐ in Digi-Key Part No. choose letter which represents color of your choice:
= Orange **B** = Black **G** = Green **L** = Blue **N** = Brown
= Red **S** = Gray **V** = Violet **W** = White **Y** = Yellow
= Green/Yellow (Stranded wire only)

** For ☐☐ in Alpha Part No. choose letters which represents color of your choice:
OR = Orange **BK** = Black **GR** = Green **BL** = Blue **BR** = Brown
RD = Red **SL** = Gray **VI** = Violet **WH** = White **YL** = Yellow
GY = Green/Yellow (Stranded wire only) † Not available in green/yellow

on-Fraying Expandable Braid Sleeving

cription: • Protection of Wire, Cable and Hoses • Wire bundling and Harnessing, Wire splicing • Frayless without a hot knife • Use with automatic cutting machines • Not affected by most chemical environments common solvents • Fungus Resistance: No growth • Withstands short-term exposure to 230°C

Operating Temperature: • -70°C ~ 125°C (MIL-I-631D) (GRP-120NF passes UL VW-1 Flame Test)
Color Description: • GRP-110NF: Black • GRP-120NF: Black with White Tracer
Nominal Wall Thickness, Inches (mm): • .027 (.69)

minal Wall Thickness Inch (mm)	Min. Supplied I.D. Inch (mm)	Max. Expanded I.D. Inch (mm)	Digi-Key Part No. (General Purpose)	Price Per 100ft.	Alpha Part No. (General Purpose)	Digi-Key Part No. (Flame Retardant)	Price Per 100 ft.	Alpha Part No. (Flame Retardant)
.027 (0.69)	.125 (3.18)	.250 (6.35)	AG110NF18B-100-ND	66.60	G110NF18 BK005	AG120NF18B-100-ND	96.86	G120NF18 BK005
.027 (0.69)	.156 (3.97)	.438 (11.11)	AG110NF14B-100-ND	91.35	G110NF14 BK005	AG120NF14B-100-ND	138.38	G120NF14 BK005
.027 (0.69)	.250 (6.35)	.750 (19.05)	AG110NF12B-100-ND	182.59	G110NF12 BK005	AG120NF12B-100-ND	246.15	G120NF12 BK005
.027 (0.69)	.625 (15.88)	1.000 (25.40)	AG110NF34B-100-ND	273.71	G110NF34 BK005	AG120NF34B-100-ND	367.76	G120NF34 BK005

gh Voltage Test Lead Wire

anded Tinned Copper • Insulation: Color-Coded Rubber • **Operating Temp.**: -30°C ~ 90°C

r ☐ in Digi-Key Part No. choose letter which presents color of your choice:
= Black **R**= Red

** For ☐☐ in Alpha Part No. choose letters which represents color of your choice:
BK = Black **RD** = Red

Conductor Size (AWG)	Voltage	Conductor Strand	Insulation Thickness Inch (mm)	Diameter Inch (mm)	Digi-Key Part No.*	Price Per 100 ft.	Alpha Part No.**
20	1,500V	41/36	.040 (1.02)	.125 (3.18)	A1632☐-100-ND	79.43	1632 ☐ ☐005
18	5,000V	65/36	.045 (1.14)	.140 (3.56)	A1636☐-100-ND	101.81	1636 ☐ ☐005

nned Copper Flat Braid

cription: • Ground/Shielding Terminations • Used as a ground , provides excellent, low-resistant ground path • Ideal shielding rial for short-run cables providing easy radial termination • Values n for Current Carrying Capacity are for bare cable in free air at 30°C) and intended as a reference guide only. Actual values will depend rmissible temperature rise, permissible voltage drop and other tions of service.

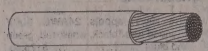
ifications: • QQ-W-343E, ASTM-B-33

Nom. Flat Width Inch (mm)	Nom. Thickness Inch (mm)	Braid Construction: AWG of Individual Ends	Braid Construction: Carriers	Braid Construction: Total No. of Individual Ends	Approx. AWG Equivalent	Approx. Current Carrying Capacity (Amps)	Digi-Key Part No.	Price Per 100 ft.	Alpha Part No.
.188 (4.76)	.020 (.50)	36	24	120	15	25	A1230SV-100-ND*	93.94	1230 SV005
.250 (6.35)	.030 (.76)	36	24	168	14	32	A1231SV-100-ND*	127.01	1231 SV005
.375 (9.53)	.030 (.76)	36	48	288	12	46	A1232SV-100-ND	203.29	1232 SV005

* Meets QQ-B-575B

alpha Teflon Hook-Up Wire

Certified Performance
High-Reliability
TFE Teflon® Insulation



Description:

- Stranded Silver-Plated Copper
- Color coded Extruded TFE Teflon® Insulation
- Flammability: Passes UL VW-1 Flame Test
- Not degraded by chemicals, ideal for harsh environments

Choose TFE Teflon® For:

- Resistance to All Chemicals
- High Temperature use up to 200°C
- Low Coefficient of Friction
- Outstanding Electrical Properties

Operating Temperature:
600 Volt: -60°C ~ 200°C (UL 105°C), (MIL-W-16878E Type E, UL AWM Style 1213)

Cond. Size (AWG)	Cond. Strand	Insulation Thick. Inch (mm)	Diameter Inch (mm)	Digi-Key Part No.*	Price Per 100 ft.	Alpha Part No. **
			Stranded 600 Volt Rating			
30	7/38	.010 (.25)	.032 (.81)	A5851□-100-ND	39.38	5851 □□005
28	7/36	.010 (.25)	.036 (.91)	A5852□-100-ND	39.94	5852 □□005
26	7/34	.010 (.25)	.040 (1.02)	A5853□-100-ND	43.09	5853 □□005
24	19/36	.010 (.25)	.045 (1.14)	A5854□-100-ND	56.93	5854 □□005
24	7/32	.010 (.25)	.044 (1.12)	A5854T□-100-ND	46.35	5854/7 □□005
22	19/34	.010 (.25)	.051 (1.30)	A5855□-100-ND	57.71	5855 □□005
22	7/30	.010 (.25)	.055 (1.27)	A5855T□-100-ND	67.84	5855/7 □□005
20	19/32	.010 (.25)	.059 (1.50)	A5856□-100-ND	82.24	5856 □□005
18	19/30	.010 (.25)	.070 (1.78)	A5857□-100-ND	115.43	5857 □□005
16	19/29	.010 (.25)	.077 (1.96)	A5858□-100-ND	140.74	5858 □□005
14	19/27	.012 (.30)	.094 (2.39)	A5859□-100-ND†	203.63	5859 □□005

† Not UL AWM Style 1213

* For □ in Digi-Key Part No. choose letter which represents color of your choice:
B = Black **R** = Red **W** = White

** For □□ in Alpha Part No. choose letters which represents color of your choice:
BK = Black **RD** = Red **WH** = White

Bus Bar Wire

Description: • Electrolytic Soft Drawn and Annealed Solid Tin Plated Copper **Specifications:** • MIL 3861 Type S • QQ-W-343 Type S

Conductor Size (AWG)	Diameter Inch (mm)	Digi-Key Part No.	Price Per 1000 ft.	Alpha Part No.
		Bus Bar Wire		
30	.010 (.25)	A299/3SV-1000-ND	145.01	299/3 SV001
28	.013 (.33)	A299/2SV-1000-ND	154.91	299/2 SV001
26	.016 (.41)	A299/1SV-1000-ND	177.53	299/1 SV001
24	.020 (.51)	A299SV-1000-ND	186.64	299 SV001
22	.025 (.64)	A298SV-1000-ND	242.89	298 SV001
20	.032 (.81)	A297SV-1000-ND	321.86	297 SV001
18	.040 (1.02)	A296SV-1000-ND	456.96	296 SV001
16	.051 (1.30)	A295SV-1000-ND	704.36	295 SV001
14	.064 (1.62)	A286SV-1000-ND	1035.68	286 SV001
12	.081 (2.06)	A289SV-1000-ND	1532.36	289 SV001

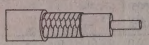
Teflon Tubing

Application: • Wire Harness • High Temp. Component Covering; **Color:** • Transparent **Phys Properties:** • Tensile Strength 2500 psi (176Kg/cm2) • Ultimate Elongation 200% • Flammab Self-Extinguishing **Chemical Properties:** • Corrosive Effect: Non-Corrosive • Fungus Resistance Growth • Water Absorption 0.01% **Electrical Properties:** • Dielectric Strength: 800V/mil **Specificati** ASTN D 3295

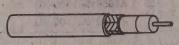
Fits Bare Cond. Size (AWG)	Nominal Inside Dia. Inch (mm)	Wall Thick. Inch (mm)	Digi-Key Part No.	Price Per 100 ft.	Alpha Part No.
30	.012 (.30)	.009 (.22)	ATFT20030-100-ND	59.18	TFT20030 NA0
28	.015 (.38)	.009 (.22)	ATFT20028-100-ND	51.86	TFT20028 NA0
26	.018 (.45)	.009 (.22)	ATFT20026-100-ND	46.91	TFT20026 NA0
24	.022 (.55)	.010 (.25)	ATFT20024-100-ND	51.53	TFT20024 NA0
22	.028 (.71)	.010 (.25)	ATFT20022-100-ND	59.96	TFT20022 NA0
19	.038 (.96)	.012 (.30)	ATFT20019-100-ND	77.85	TFT20019 NA0
18	.042 (1.07)	.012 (.30)	ATFT20018-100-ND	84.60	TFT20018 NA0
17	.047 (1.19)	.012 (.30)	ATFT20017-100-ND	92.70	TFT20017 NA0
16	.053 (1.35)	.012 (.30)	ATFT20016-100-ND	100.91	TFT20016 NA0
15	.059 (1.50)	.012 (.30)	ATFT20015-100-ND	103.95	TFT20015 NA0
14	.066 (1.68)	.012 (.30)	ATFT20014-100-ND	90.00	TFT20014 NA0
13	.076 (1.93)	.012 (.30)	ATFT20013-100-ND	103.73	TFT20013 NA0
12	.085 (2.16)	.012 (.30)	ATFT20012-100-ND	110.70	TFT20012 NA0
11	.095 (2.41)	.012 (.30)	ATFT20011-100-ND	121.16	TFT20011 NA0
10	.106 (2.69)	.012 (.30)	ATFT20010-100-ND	131.40	TFT20010 NA0
2	.263 (6.68)	.015 (.38)	ATFT2002-100-ND	362.81	TFT2002 NA0
1	.294 (7.47)	.015 (.38)	ATFT2001-100-ND	397.35	TFT2001 NA0
0	.330 (8.38)	.015 (.38)	ATFT2000-100-ND	449.33	TFT2000 NA0

Coaxial, Ethernet, Thinnet, Twinaxial Cable

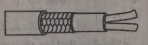
Coaxial Cables, Non-Plenum Coaxial and Data Systems



Thinnet — Plenum and Non-Plenum Ethernet Cables



Non-Plenum Twinaxial Cable



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Cond. RG Type	Inner. Size (AWG)	Inner. Cond. Strand.	Dielec. Cond. Mat'l†	Diameter Inch (mm)	Shield Dielec. Material†	Nom. Coverage	Jacket Shield Material†	Diameter Inch (mm)	Jacket Material†	Impedance (Ω)	Cap. pF/ft	Temperature Rate (°C)	Volt Rate	NEC/UL (See Below)	Digi-Key Part No.	Note: X in Part No. = Ft. Per Roll Price per roll 100 ft.	500 ft.	1,000 ft.	Alpha Part N
									Coaxial Cable										
58 A/U	20	19/0.0071"	TC	.116 (2.95)	PE	95%	TC Braid	.195 (4.95)	V Black	50	30.5	60	150	1	A305-X-ND	59.90	240.90	374.10	9058A
58 C/U	20	19/0.0071"	TC	.116 (2.95)	PE	95%	TC Braid	.195 (4.95)	NCV Black	50	30.5	60	—	—	A306-X-ND	113.30	315.40	517.00	9058C
59/U	22	Solid	CW	.146 (3.71)	PE	95%	BC Braid	.242 (6.15)	V Black	75	21.4	60	150/CL2, 30/AWM	1, 7	A301-X-ND	60.90	—	344.80	9059C
62 A/U	22	Solid	CW	.146 (3.71)	SSP	95%	BC Braid	.242 (6.15)	V Black	93	13.2	60	150/CL2, 30/AWM	1, 8	A302-X-ND	56.20	206.40	261.60	9062A
174/U	26	7/34	CW	.060 (1.52)	PE	88%	TC Braid	.100 (2.54)	V Black	50	31.1	—	—	9	A307-X-ND	55.50	220.60	339.30	9174-
178 B/U	30	7/38	SC/CW	.034 (.86)	TFE	96%	SC Braid	.071 (1.80)	FEP Natural	50	28.4	—	—	—	A316-X-ND	257.80	1184.60	1011.30	91788
179 B/U	30	7/38	SC/CW	.063 (1.60)	TFE	93%	SC Braid	.100 (2.54)	Tint FEP Brown	75	19.6	—	—	—	A317-X-ND	268.80	1234.60	1196.30	91798
214/U	13	7/0.0296"	SC	.285 (7.24)	PE	99%	SC Braid Dbl	.425 (10.79)	NCV Black	50	30.8	—	—	—	A308-X-ND•	1174.30	—	7983.50	9214-
223/U	19	Solid	SC	.116 (2.95)	PE	99%	SC Braid Dbl	.212 (5.38)	NCV Black	50	31.5	—	—	—	A309-X-ND•	393.20	1806.10	2996.80	9223-
316/U	26	7/0.0067"	SCCS	.060 (1.52)	TFE	93%	SC	.098 (2.49)	FEP	50	30.0	—	—	—	A315-X-ND	221.70	1062.40	1570.70	9316-
8/U	13	7/21	BC	.285 (7.24)	PE	96%	BC Braid	.405 (10.29)	V Black	52	29.5	—	—	—	A318-X-ND	155.90	715.90	1165.60	9008-
									Ethernet Cable										
Thinnet••	20	19/0.0075"	TC	.112 (2.84)	FEP Teflon	95%	A/M/A + TC Braid	.182 (4.62)	F Gray	50	30.5	125	300	3, 4, 6	A311-X-ND•	—	—	877.80	9871F
Thinnet ‡	20	19/32	TC	.102 (2.59)	FPE	95%	A/M/A + TC Braid	.180 (4.57)	V Black	50	25.5	60	300	2, 4, 5	A312-1000-ND	—	—	355.80	9881C
									Twinaxial Cable										
Twinax #	20	7/28	BC/TC	.236 (5.99)	PE	95%	TC Braid	.330 (8.38)	V Black	100	15.5	75/CL2, 80/AWM	150/CL2, 30/AWM	1, 10	A303-X-ND	—	484.90	—	9818C

† Code Description:

A/M/A — Aluminum/Polyester/Aluminum Tape
BC — Bare Copper
CW — Copper Coated Steel
F — Fluoropolymer
FEP — Fluorinated Ethylene-Propylene
FPE — Cellular (foam) Polyethylene
NCV — Non-contaminating Polyvinyl chloride ,Type II
PE — Solid Polyethylene
SC — Silver Coated Copper
SCCS — Silver Coated Copper Clad Steel
SSP — Semi-solid Polyethylene
TC — Tinned Copper
TFE — Tetrafluoroethylene
V — Polyvinyl chloride - Type I

* Plenum
**ETHERNET IEEE 802.3 10base2 10Mbps
‡ THIN-NET 10Mbps
# IBM SYSTEM (34/36/38/AS 400)
• MIL-C-170D Type

NEC Rating —
1. CL2 2. CM 3. CMP
4. CXC 5. FT4 6. FT6

UL Style —
7. UL AWM 1354 8. UL AWM 1478 9. UL
10. UL AWM 2498 11. UL AWM 2704

FIT® Shrinkable Tubing FIT® 221B

- conomical bulk packaging • Flexibility
- xcellent flame retardancy • Military, UL/CSA requirements
- **haracteristics:** • Operating Temperature: -55°C ~ 135°C
- Shrinkage Ratio: Approximately 2 to 1 at 121°C • Color: Black, Clear
- **ysical Properties:** • Tensile Strength: 1800 psi, (127 kg/cm²)
- Ultimate Elongation: 400% • Longitudinal Shrinkage: 5%
- Specific Gravity: 1.35 • Secant Modulus* 2.5 x 10⁴ maximum
- Flammability: Self-extinguishing
- **ctrical Properties:** • Dielectric Strength: 500V/mil (197 kV/cm)
- Volume Resistivity: 10¹⁴ Ω-cm
- **emical Properties:** • Corrosive Effect: Passes copper stability test
- Fungus Resistance: No growth
- **ecifications:** • MIL-DTL-23053/5C, Class 1, 2
- UL Standard 224 (black only) • CSA Standard 198 (black only)

CONTENTS for FIT-221 Variety Pack

Tubing Size	Number of Cut Pieces					
	Black	White	Red	Blue	Yellow	Green
1/8"	4	3	2	2	2	1
3/16"	4	3	2	2	2	1
1/4"	4	3	2	2	2	1
3/8"	3	2	1	1	1	1
1/2"	3	2	1	1	1	1

Color	Minimum Supplied Inner Diameter Inch (mm)	Maximum Recovered Inner Diameter Inch (mm)	Nominal Recovered Wall Thickness Inch (mm)	Digi-Key Part No.	Pricing Sold in 4' Lengths 4' (1 pc.)	20' (5 pcs.)	Digi-Key Part No.	Spool Size (Feet)	Price Per Spool	Alpha Part No.
FIT® 221B — Irradiated Polyolefin										
Black	0.046 (1.17)	0.023 (0.58)	0.016 (0.41)	A364B-4-ND	.75	3.35	A364B-1000-ND	1000	174.60	FIT-221B-3/64 BKXXX
Clear				A364C-4-ND	.75	3.35	A364C-1000-ND	1000	174.60	FIT-221B-3/64 CLXXX
Black	0.063 (1.60)	0.031 (0.78)	0.017 (0.43)	A116B-4-ND	.80	3.56	A116B-1000-ND	1000	185.66	FIT-221B-1/16 BKXXX
Clear				A116C-4-ND	.80	3.56	A116C-1000-ND	1000	185.66	FIT-221B-1/16 CLXXX
Black	0.093 (2.36)	0.046 (1.17)	0.020 (0.50)	A332B-4-ND	.89	3.95	A332B-500-ND	500	103.05	FIT-221B-3/32 BKXXX
Clear				A332C-4-ND	.89	3.95	A332C-500-ND	500	103.05	FIT-221B-3/32 CLXXX
Black	0.125 (3.18)	0.062 (1.58)	0.020 (0.50)	A018B-4-ND	.96	4.26	A018B-500-ND	500	111.08	FIT-221B-1/8 BKXXX
Clear				A018C-4-ND	.96	4.26	A018C-500-ND	500	111.08	FIT-221B-1/8 CLXXX
Black	0.187 (4.75)	0.093 (2.36)	0.020 (0.50)	A316B-4-ND	1.17	5.18	A316B-500-ND	500	135.00	FIT-221B-3/16 BKXXX
Clear				A316C-4-ND	1.17	5.18	A316C-500-ND	500	135.00	FIT-221B-3/16 CLXXX
Black	0.250 (6.35)	0.125 (3.18)	0.025 (0.63)	A014B-4-ND	1.45	6.46	A014B-250-ND	250	84.38	FIT-221B-1/4 BKXXX
Clear				A014C-4-ND	1.45	6.46	A014C-250-ND	250	84.38	FIT-221B-1/4 CLXXX
Black	0.375 (9.53)	0.187 (4.75)	0.025 (0.63)	A038B-4-ND	1.62	7.22	A038B-200-ND	200	75.38	FIT-221B-3/8 BKXXX
Clear				A038C-4-ND	1.62	7.22	A038C-200-ND	200	75.38	FIT-221B-3/8 CLXXX
Black	0.500 (12.70)	0.250 (6.35)	0.025 (0.63)	A012B-4-ND	1.83	8.14	A012B-150-ND	150	63.73	FIT-221B-1/2 BKXXX
Clear				A012C-4-ND	1.83	8.14	A012C-150-ND	150	63.73	FIT-221B-1/2 CLXXX
Black	0.750 (19.10)	0.375 (9.53)	0.030 (0.76)	A034B-4-ND	2.71	12.05	AW034B-250-ND	250	168.53	FIT-221B-3/4 BKXXX
Clear				A034C-4-ND	2.71	12.05	—	—	—	FIT-221B-3/4 CLXXX
Black	1.000 (25.40)	0.500 (12.70)	0.035 (0.88)	A100B-4-ND	3.84	17.08	A100B-250-ND	250	235.46	F221IN BKXXX
Clear				A100C-4-ND	3.84	17.08	AW100C-250-ND	250	235.46	F221B1IN CLXXX
FIT MGKIT 1 (Heat Gun plus FIT-221 Variety Pack)							FITMGKIT1-ND	102.49 /1		FITMGKIT1 NC032
FIT-221 Variety Pack (60, 6 inch cut pieces, see chart above for contents)							FIT221R-ND	34.54 /1		FIT-221-R MC213

FIT® Heat Shrink Fabric

- **aracteristics:** • Operating Temp. -40°C ~ 125°C • Shrink Ratio: approximately 2 to 1 or 3 to 1 at 135°C depending on size • Color
- scription: All standard packages: black
- **ysical Properties:** • Longitudinal Shrinkage: up to 20% at 2:1 shrink ratio, up to 25% at 3:1 shrink ratio • Flammability: Meets SS 302 horizontal burn test
- **emical Properties:** • Corrosive Effect: non-corrosive • Fungus Resistance: no growth • Chemical Resistance: antifreeze (50% ylene glycol), engine oil, mineral hydraulic fluid, detergent (1% teepol), brake fluid (DOT 4), unleaded gasoline, diesel fuel, battery

lor	Minimum Supplied I.D. Inch (mm)	Maximum Recovered I.D. Inch (mm)	Nom. Recovered Wall Thickness Inch (mm)	Digi-Key Part No.	Spool Size (Feet)	Price Per Spool	Alpha Part No.
ck	0.47 (12.0)	0.24 (6.0)	0.039 (0.99)	A0471B-50-ND	50	113.74	FITFAB-1 BK007
ck	0.47 (12.0)	0.24 (6.0)	0.039 (0.99)	A0471B-200-ND	200	325.13	FITFAB-1 BK004
ck	0.79 (20.0)	0.39 (10.0)	0.039 (0.99)	A0792B-50-ND	50	135.90	FITFAB-2 BK007
ck	0.79 (20.0)	0.39 (10.0)	0.039 (0.99)	A0792B-200-ND	200	385.88	FITFAB-2 BK004
ck	1.18 (30.0)	0.59 (15.0)	0.039 (0.99)	A1183B-50-ND	50	165.60	FITFAB-3 BK007
ck	1.18 (30.0)	0.59 (15.0)	0.039 (0.99)	A1183B-200-ND	200	470.36	FITFAB-3 BK004
ck	1.57 (40.0)	0.79 (20.0)	0.039 (0.99)	A1574B-50-ND	50	199.58	FITFAB-4 BK007
ck	1.57 (40.0)	0.79 (20.0)	0.039 (0.99)	A1574B-200-ND	200	567.11	FITFAB-4 BK004
ck	1.97 (50.0)	0.98 (25.0)	0.039 (0.99)	A1975B-25-ND	25	122.51	FITFAB-5 BK008
ck	1.97 (50.0)	0.98 (25.0)	0.039 (0.99)	A1975B-100-ND	100	348.30	FITFAB-5 BK005
ck	2.36 (60.0)	1.18 (30.0)	0.039 (0.99)	A2366B-25-ND	25	133.31	FITFAB-6 BK008
ck	2.36 (60.0)	1.18 (30.0)	0.039 (0.99)	A2366B-100-ND	100	379.46	FITFAB-6 BK005
ck	2.76 (70.0)	1.38 (35.0)	0.039 (0.99)	A2767B-25-ND	25	182.25	FITFAB-7 BK008
ck	2.76 (70.0)	1.38 (35.0)	0.039 (0.99)	A2767B-100-ND	100	517.50	FITFAB-7 BK005
ck	0.71 (18.0)	0.24 (6.0)	0.039 (0.99)	A0718B-50-ND	50	159.75	FITFAB-8 BK007
ck	0.71 (18.0)	0.24 (6.0)	0.039 (0.99)	A0718B-200-ND	200	455.06	FITFAB-8 BK004
ck	1.18 (30.0)	0.39 (10.0)	0.039 (0.99)	A1189B-50-ND	50	191.03	FITFAB-9 BK007
ck	1.18 (30.0)	0.39 (10.0)	0.039 (0.99)	A1189B-200-ND	200	543.60	FITFAB-9 BK004
ck	2.36 (60.0)	0.79 (20.0)	0.039 (0.99)	A1181OB-25-ND	25	141.30	FITFAB-10 BK008
ck	2.36 (60.0)	0.79 (20.0)	0.039 (0.99)	A2361OB-100-ND	100	401.40	FITFAB-10 BK005

MASTERMITE®

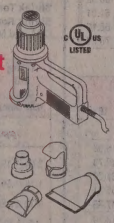
eat Gun

et running. Comes stan- d with bench stand, heat nk attachment, and inter- ngeable heating element. h impact plastic housing, tweight, draws only 4.0 os maximum, continuous y brushless motor, tem- rature: 650°F (343°C), V, 60Hz, 4.0A.

Certified

1006-ND Heat Gun $83.77
1007-ND Replacement Heat Element $25.51

ECOHEAT™ Heat Gun and Kit



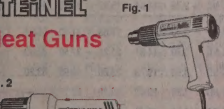
Features:
- Two fan speeds
- Two heat settings: 500°F and 1,000°F
- Resettable thermostat
- Thermoplastic housing
- Built-in stand

Kit Contains:
7/8" air reducer attachment, shrink tubing attachment, 1-15/16" and 3-1/8" spreader attachments, storage and carrying case.

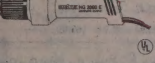
MA1008-ND..... $52.55

TEINEL Heat Guns

Fig. 1



. 2

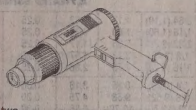


Certified

Fig.	Description	Digi-Key Part No.	Price Each
1	3 Speed Fixed Temp Heat Gun	SDL1100-ND	104.00
—	Heat Shrink Attachment for SDL1100-ND	SDL1300-ND	12.00
1	Variable Temperature Industrial Heat Gun	SDL1200-ND	176.00
	Variable, LCD Readout Heat Gun	SDL1350-ND	212.00
2	Variable Ergonomic Heat Gun	SDL1250-ND	176.00
—	Reducer-Reflector Nozzle 3/8" (9mm)	SDL1303-ND	20.00
	Reducer Nozzle Attachment 3/8" (9mm)	SDL1301-ND	12.00
	Reducer Nozzle Attachment 5/8" (14mm)	SDL1302-ND	12.00
	Reflector Nozzle 3" (75mm)	SDL1304-ND	17.00
	Refl. Nozzle 5/8" (14mm) (does not fit SDL1100)	SDL1305-ND	14.00

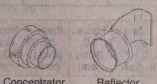
1502S (SDL1100-ND): Three temperature levels can be selected conveniently with one hand during use. **Specifications:** • Voltage: 120V • Output: 1400W • Temperature: • Step 1: 120°F (49°C) • Step 2: 800°F (427°C) • Step 3: 1050°F (566°C) • Air Flow: minimum 8.6cfm, max- m 17.6cfm. **HL1802E (SDL1200-ND), HG3002LCD (SDL1350-ND), HG2000E (SDL1250-ND):** Continuously adjustable, electronically controlled air. The electronic temperature regulator allows ideal temperature setting. Model HG3002LCD has an LCD continuous temperature display. **ecifications:** • Voltage: 120VAC • Output: 1500W • Temperature: 120°C ~ 1100°F (49° ~ 593°C) • Air Flow: minimum 8.8, maximum 17.6cfm 1802E), minimum 7, maximum 17.6cfm (HG3002LCD) & minimum 11.3, maximum 17.6cfm (HG2000E).

FIT® Multi-Functional Heat Gun



The economical and multi-functional FIT GUN-3 is a two-temperature heat gun that is lightweight in design. The low setting is at 400°C (750°F) while the high temperature is rated at 585°C (1090°F).

It features a durable plastic housing with a built-in ring stand and hanger, concentrator nozzle and hook reflector nozzle attachments.



Concentrator Nozzle | Reflector Nozzle

FITGUN3-ND Heat Gun..... $75.30

MASTER® ProHeat® Heat Guns

Features:
- Compact, light-weight, easy-to-use design, professional-quality heat guns • 120V • Variable temperature (some models)
- Variable airflow (some models) • Special electronic closed loop temperature control system maintains constant temperature when varying airflow or using specialty attachments (some models) • Use to heat temperature sensitive materials • Base provides built-in stand for hands free use • Made in the USA

Description	Digi-Key Part No.	Price Each	Master Part No.
Proheat			
Gun, 430° / 840°F (221°C / 449°C), 15 CFM	MA1009-ND	84.15	PH-1100
Gun Kit, 430° / 840°F (221°C / 449°C), 15 CFM†	MA1010-ND	111.96	PH-1100K
VariTemp™			
Gun, 130°-840°F (49°C-449°C), 15 CFM	MA1011-ND	144.31	PH-1200
Gun System, 130°-840°F (49°C-449°C), 15 CFM‡	MA1012-ND	152.09	PH-1200-1
Gun Kit, 130°-840°F (49°C-449°C), 15 CFM†	MA1013-ND	199.84	PH-1200-K
VariAir™			
Gun, 130°-900°F (54°C-482°C), 6 – 15 CFM	MA1014-ND	175.00	PH-1300
Gun System, 130°-900°F (54°C-482°C), 6-15 CFM ‡	MA1015-ND	183.64	PH-1300-1
Gun Kit, 130°-900°F (54°C-482°C), 6-15 CFM †	MA1016-ND	229.00	PH-1300-K

† Kit includes: Heat gun, attachments and storage case.
‡System includes: Heat gun, stand and attachment.

MASTER® Heat Gun

Certified

Features universal motor, high air velocity, volume and temperatures. Rugged die-cast aluminum housing with externally replaceable carbon brushes, 3 wire oil resistant cord set, and reinforced ceramic heating element, temperature: 500°F – 750°F (260°C – 399°C), 120V, 14A.

Description	Digi-Key Part No.	Price Each
Heat Gun	MA1001-ND	112.95
Heat Shrink Attachment - Shrink Tubing from 3/4" to 2" (19-51mm) O.D.	MA1002-ND	17.07
Shrink Wrap Attachment - 8" (203mm) Wide	MA1003-ND	45.45
Heat Reducer Attachment - 3/4" (19mm)	MA1004-ND	8.87
Replacement Heat Element	MA1005-ND	20.42

3M Heat Shrinkable Tubing

KYNAR®, EPS-300, SFTW202 GYS, SFTW203, 8420 & 8440 Series

KYNAR® Series-Modified Polyvinylidene Fluoride: Shrink Temperature: 175°C (347°F), **Color:** Clear, **Shrink Ratio:** 2:1. Cross-linked, thin-walled tubing offers a high degree of mechanical strength and high temperature resistance. This has outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels, chemicals and solvents. Kynar® is a registered trademark of Elf Atochem North America, Inc.

EPS-300 Series-Adhesive-Lined Flexible Polyolefin: Shrink Temperature: 121°C (250°F). **Color:** Black. **Shrink Ratio:** 3:1. Rapidly shrinks to a skintight fit, forcing the melted adhesive to flow and cover the substrate. The adhesive forms a flexible bond with a wide variety of rubbers, plastics and metals. Upon cooling, the adhesive solidifies forming a permanent, non-drying, flexible and water resistent barrier.

SFTW202 GYS Series-Very Flexible Polyolefin: Shrink Temperature: 100°C (212°F). **Color:** Green and yellow striped. **Shrink Ratio:** 2:1. Meets performance requirements of MIL-I-23053/5 Class 1, and is UL Recognized (File No. E48398) for flame retardance. Can be easily surface painted.

SFTW203 Series-Very Flexible Polyolefin: Shrink Temperature: 100°C (212°F). **Color:** Black. **Shrink Ratio:** 3:1. Meets performance requirements of MIL-I-23053/5 Class 1, and is UL Recognized (File No. E48398) for flame retardance. Can be easily surface painted.

8420 Series-EPDM and 8440 Series-Silicone Rubber Tubes: Color: Black (8420 Series) and Gray (8440 Series). **Cold Shrink- Insulators**-Open-ended, tubular rubber sleeves that are factory expanded and assembled onto a removable plastic core. Provides a reliable seal without the use of heat, a torch or adhesive - simply position and unwind the core allowing the tube to shrink and form a water-resistant seal.

Tubing Size Dia.* In. (mm)	Expand. I.D. (Min.) (mm)	Recov. I.D. (Max.) (mm)	Nominal Recov. Wall Thick (mm)	Digi-Key Part No.	Sold in 4' Lengths Only 4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
KYNAR® Series - Modified Polyvinylidene Fluoride									
3/64 (1.19)	1.17	0.58	0.25	KY364C-ND	5.13	8.89	19.67	41.04	68.40
1/16 (1.60)	1.60	0.79	0.25	KY116C-ND	5.26	9.12	20.18	42.12	70.19
3/32 (2.38)	2.36	1.17	0.25	KY332C-ND	5.63	9.76	21.59	45.05	75.09
1/8 (3.18)	3.18	1.57	0.25	KY018C-ND	6.06	10.56	23.35	48.73	81.22
3/16 (4.78)	4.75	2.36	0.25	KY316C-ND	8.58	15.18	33.01	63.38	—
1/4 (6.35)	6.35	3.18	0.30	KY014C-ND	10.59	18.73	40.72	78.18	—
3/8 (9.52)	9.53	4.75	0.30	KY038C-ND	12.75	22.56	49.03	94.14	—
1/2 (12.70)	12.70	6.35	0.30	KY012C-ND	16.91	29.42	58.83	—	—

Tubing Size Dia.* In. (mm)	Expand. I.D. (Min.) (mm)	Recov. I.D. (Max.) (mm)	Nominal Recov. Wall Thick (mm)	Meltable Recov. Wall Thick (mm)	Digi-Key Part No.	Sold in 4' Lengths Only 4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
EPS-300 Series - Adhesive-lined, Flexible, Polyolefin										
1/8 (3.18)	3.18	1.02	1.02	0.51	EPS3018K-ND	9.32	16.15	35.72	74.55	112.61
3/16 (4.78)	4.75	1.57	1.02	0.51	EPS3316K-ND	8.85	15.66	34.05	63.33	—
1/4 (6.35)	6.35	2.03	1.02	0.51	EPS3014K-ND	10.96	19.39	42.16	78.41	—
3/8 (9.52)	9.53	3.05	1.40	0.62	EPS3038K-ND	12.40	21.94	47.70	88.72	—
1/2 (12.70)	12.70	4.06	1.78	0.76	EPS3012K-ND	14.49	25.64	55.74	103.68	—

Tubing Size Dia* In. (mm)	Expanded I.D. (Min.) (mm)	Recovered I.D (Max.) (mm)	Nominal Recovered Wall Thick. (mm)	(NOTE: "X" in Part No. Represents Number of Feet) Digi-Key Part No.	Price Per Length 5'	25'	50'	Reel Size	Price Per Full Reel
SFTW202 GYS Series - Very Flexible Polyolefin									
1/8 (3.18)	3.18	1.5	0.51	SFTW2018E-X-ND	5.92	23.69	33.95	500	245.14
3/16 (4.78)	4.76	2.5	0.55	SFTW2316E-X-ND	8.21	32.84	47.06	250	169.92
1/4 (6.35)	6.35	3.0	0.85	SFTW2014E-X-ND	9.06	36.26	51.97	200	150.10
3/8 (9.52)	9.53	4.5	0.76	SFTW2038E-X-ND	10.06	40.24	57.67	200	166.58
1/2 (12.70)	12.70	6.0	0.76	SFTW2012E-X-ND	11.30	45.20	64.79	200	187.14
SFTW203 Series - Very Flexible Polyolefin									
1/16 (1.59)	1.5	0.5	0.45	SFTW2116K-X-ND	2.13	8.51	12.19	1,000	176.05
1/8 (3.18)	3.0	1.0	0.55	SFTW2018K-X-ND	2.43	9.71	13.92	500	100.52
1/4 (6.35)	6.0	2.0	0.65	SFTW2014K-X-ND	3.68	14.74	21.12	200	61.01
3/8 (9.52)	9.0	3.0	0.75	SFTW2038K-X-ND	4.11	16.46	23.59	200	68.12
1/2 (12.70)	12.0	4.0	0.75	SFTW2012K-X-ND	4.64	18.57	26.62	200	76.88

* Indicates size BEFORE shrinking occurs.

Diameter Range In. (mm)	Relaxed Tube Length In. (mm)	Digi-Key Part No.	Pricing 1	10
8420 - EPDM Cold Shrink Tubes				
0.31 - 0.56 (7.87 - 14.22)	6.0 (152.40)	8423-6-ND	12.78	116.68
0.10 - 0.82 (2.54 - 20.83)	8.0 (203.20)	8424-8-ND	16.40	149.73
0.40 - 0.82 (10.16 - 20.83)	8.0 (203.20)	8425-8-ND	14.38	131.29
0.55 - 1.18 (13.97 - 29.97)	9.0 (228.60)	8426-9-ND	17.12	156.31
0.55 - 1.18 (13.97 - 29.97)	11.0 (279.40)	8426-11-ND	20.52	187.35
0.67 - 1.38 (17.02 - 35.05)	6.0 (152.40)	8427-6-ND	12.94	118.14
0.67 - 1.38 (17.02 - 35.05)	12.0 (304.80)	8427-12-ND	25.58	233.55
0.67 - 1.38 (17.02 - 35.05)	16.0 (406.40)	8427-16-ND	34.16	311.88
0.95 - 1.94 (24.13 - 49.28)	6.0 (152.40)	8428-6-ND	18.26	166.71
0.95 - 1.94 (24.13 - 49.28)	12.0 (304.80)	8428-12-ND	36.42	332.51
0.95 - 1.94 (24.13 - 49.28)	18.0 (457.20)	8428-18-ND	54.78	500.14
1.27 - 2.67 (32.26 - 67.82)	6.0 (152.40)	8429-6-ND	19.98	182.42
1.27 - 2.67 (32.26 - 67.82)	9.0 (228.60)	8429-9-ND	29.90	272.99
1.27 - 2.67 (32.26 - 67.82)	12.0 (304.80)	8429-12-ND	40.98	374.15
1.27 - 2.67 (32.26 - 67.82)	18.0 (457.20)	8429-18-ND	59.90	546.89
1.68 - 3.69 (42.67 - 93.73)	9.0 (228.60)	8430-9-ND	41.32	377.25
1.68 - 3.69 (42.67 - 93.73)	18.0 (457.20)	8430-18-ND	65.30	596.19
8440 - Silicone Cold Shrink Tubes				
.27 - .56 (6.86 - 14.22)	2.0 (50.80)	8443-2-ND	7.80	71.21
.27 - .56 (6.86 - 14.22)	6.5 (165.10)	8443-6.5-ND	10.82	98.79
.35 - .72 (8.89 - 18.29)	2.5 (63.50)	8445-2.5-ND	8.12	74.14
.35 - .72 (8.89 - 18.29)	7.5 (190.50)	8445-7.5-ND	11.86	108.28
.48 - .95 (12.19 - 24.13)	3.2 (81.28)	8447-3.2-ND	9.94	90.75
.48 - .95 (12.19 - 24.13)	8.0 (203.20)	8447-8-ND	14.28	130.38

EPS-200 and VFP-876, Series

EPS-200 Series:

Shrink Temperature: 121°C, **Color:** Black, **Shrink Ratio:** 2:1 Rapidly shrinks to a skintight fit, forcing th melted adhesive lining to flow and cover the substrate. The adhesive forms a flexible bond with a wid variety of rubbers, plastics and metals. Upon cooling, the adhesive solidifies forming a permanent, nor drying, flexible and water resistant barrier. Rated for operation at -55°C – 110°C (-67°F – 230°F).

VFP-876 Series-Very Flexible Polyolefin:

Shrink Temperature: 100°C, **Color:** Black, **Shrink Ratio:** 2:1. Most flexible of the heat shrinkable, polyolefi tubings. Ideal for jacketing and insulation of flexible wire bundles and sensitive components.

Tubing Size Dia.* Inch (mm)	Expand. I.D. (Min.) (mm)	Recov. I.D. (Max.) (mm)	Nom. Recov. Wall Thick (mm)	Digi-Key Part No.	Sold in 4' Lengths Only 4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
EPS-200 Series - Adhesive-lined, Flexible, Polyolefin									
1/8 (3.18)	3.18	1.60	.69	EPS2018-ND	5.22	9.06	20.03	41.80	67.49
3/16 (4.76)	4.75	2.36	.69	EPS2316-ND	4.93	8.72	18.95	35.25	—
1/4 (6.35)	6.35	3.18	.76	EPS2014-ND	6.17	10.91	23.72	44.11	—
3/8 (9.53)	9.52	4.75	.79	EPS2038-ND	6.95	12.29	26.72	49.69	—
1/2 (12.70)	12.70	6.35	.81	EPS2012-ND	7.98	14.12	30.69	57.09	—
3/4 (19.05)	19.05	9.52	.94	EPS2034-ND	9.66	16.79	32.53	—	—
1 (25.40)	25.40	12.70	1.17	EPS2100-ND	14.20	24.69	47.83	—	—
1-1/2 (38.10)	38.10	19.05	1.24	EPS2112-ND	24.83	43.18	83.67	—	—
2 (50.80)	50.80	25.40	1.52	EPS2200-ND	34.56	53.57	—	—	—

Tubing Size Dia.* Inch (mm)	Expand. I.D. (Min.) (mm)	Recov. I.D. (Max.) (mm)	Nom. Recov. Wall Thick (mm)	Digi-Key Part No.	(NOTE: "X" in Part No. Represents Number of Feet) Price Per Length 5'	25'	50'	100'	200
VFP-876 Series - Very Flexible Polyolefin, Self-extinguishing									
3/64 (1.19)	1.17	.58	.41	VFP364-X-ND	2.00	8.93	15.99	28.78	—
1/16 (1.59)	1.60	.79	.43	VFP116-X-ND	2.04	9.10	16.31	29.35	—
3/32 (2.38)	2.36	1.17	.51	VFP332-X-ND	2.15	9.61	15.50	24.68	—
1/8 (3.18)	3.18	1.57	.51	VFP018-X-ND	2.32	10.38	16.73	26.64	—
3/16 (4.76)	4.75	2.36	.51	VFP316-X-ND	2.83	11.32	16.22	28.67	—
1/4 (6.35)	6.35	3.18	.64	VFP014-X-ND	3.53	14.12	20.24	35.78	58.4
3/8 (9.53)	9.52	4.75	.64	VFP038-X-ND	3.94	15.77	22.61	39.96	65.3
1/2 (12.70)	12.70	6.35	.64	VFP012-X-ND	4.45	17.79	25.50	45.07	73.6
3/4 (19.05)	19.05	9.52	.76	VFP034-X-ND	5.93	23.72	34.00	60.10	98.2
1 (25.40)	25.40	12.70	.89	VFP100-X-ND	8.87	35.48	50.85	73.43	—
1-1/2 (38.10)	38.10	19.05	1.02	VFP112-X-ND	16.53	66.11	94.76	136.85	—
2 (50.80)	50.80	25.40	1.14	VFP200-X-ND	22.84	91.36	130.95	189.11	—

* Indicates size BEFORE shrinking occurs.

Colored Heat Shrinkable Tubing (FP-301 Series

Available in 7 Colors: (K = Black, C = Clear, B = Blue, G = Green, R = Red, W = White, Y = Yellow)

Shrink Temperature: 121°C.

Shrink Ratio: 2:1. Tubing is split resistant, mechanically tough, easily marked and resist cold flow, for t CSA and Mil-I-23053/5 applications at 600V @ 125°C.

Tubing Size Dia.* Inch (mm)	Expand. I.D. (Min.) (mm)	Recov. I.D. (Max.) (mm)	Nom. Recov. Wall Thick (mm)	Digi-Key Part No.	(NOTE: "X" in Part No. Represents Number of Feet) Price Per Length 5'	25'	50'	100'	200'	25
FP-301 Series - Flexible Polyolefin, Self-extinguishing, Flame Retardant, Color										
3/64 (1.19)	1.17	.58	.41	FP364□-X-ND†	1.69	7.57	13.58	24.44	—	48.8
1/16 (1.59)	1.60	.79	.43	FP116□-X-ND	1.69	7.57	13.56	24.39	—	48.8
3/32 (2.38)	2.36	1.17	.51	FP332□-X-ND	1.79	8.01	12.91	20.56	—	45.4
1/8 (3.18)	3.18	1.57	.51	FP018□-X-ND	1.89	8.46	13.64	21.73	—	47.9
3/16 (4.76)	4.75	2.36	.51	FP316□-X-ND	2.21	8.84	12.66	22.37	—	49.5
1/4 (6.35)	6.35	3.18	.64	FP014□-X-ND	2.75	11.04	15.82	27.95	49.57	—
3/8 (9.53)	9.52	4.75	.64	FP038□-X-ND	3.08	12.31	17.65	31.20	55.34	—
1/2 (12.70)	12.70	6.35	.64	FP012□-X-ND	3.70	14.81	21.21	37.50	62.40	—
3/4 (19.05)	19.05	9.52	.76	FP034□-X-ND	4.93	19.73	28.26	49.95	83.20	—
1 (25.40)	25.40	12.70	.89	FP100□-X-ND	7.38	29.49	42.26	62.17	—	—
1-1/2 (38.10)	38.10	19.05	1.02	FP112□-X-ND†	12.11	48.43	69.41	115.89	—	—
2 (50.80)	50.80	25.40	1.14	FP200□-X-ND†	16.73	66.94	95.94	160.16	—	—

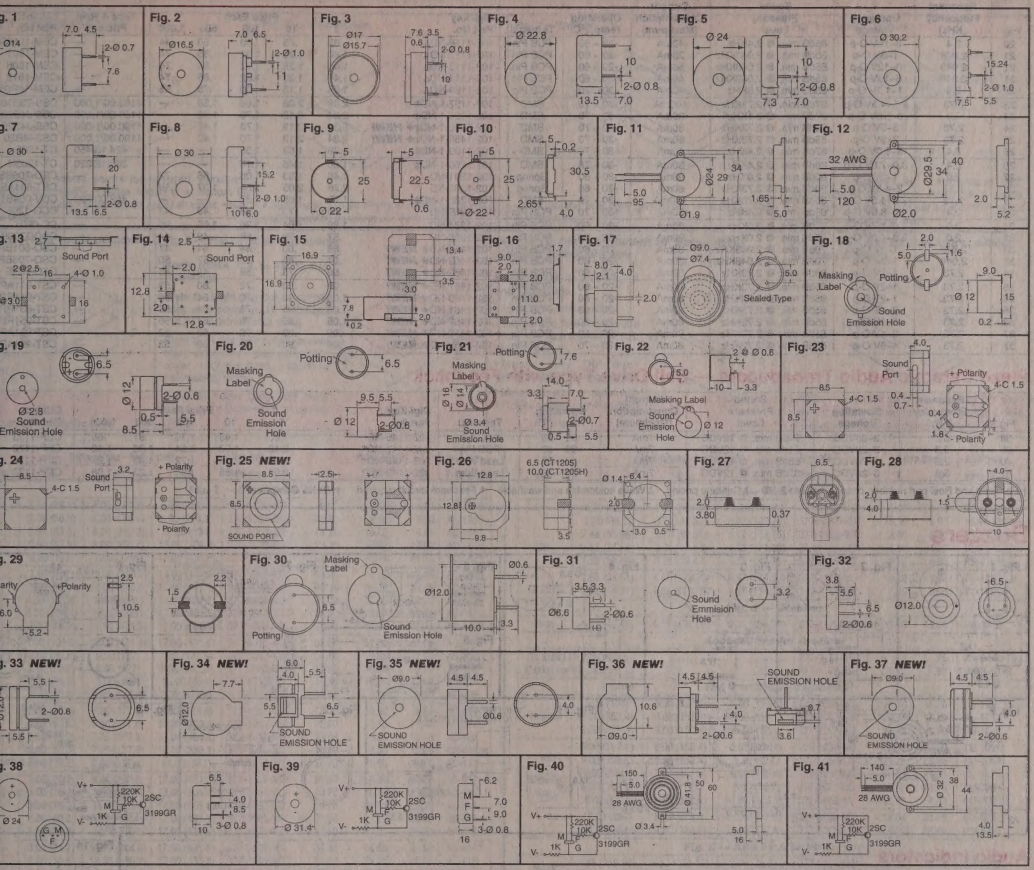
Note: For complete number, substitute □ with appropriate color (K = Black, C = Clear, B = Blue, G = Gre R = Red, W = White, Y = Yellow) and substitute "X" with length choice.

* Indicates size BEFORE shrinking occurs. † Not available in green.

FPC-KIT-ND *Digi-Key® FP-301 Series Kit* - One 5 foot tubing of each color in the following series: FP3 FP116, FP332, FP018, FP316, FP014, FP038 and FP012 (55 pieces total of 8 sizes) $62

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380



ezo Ceramic Audio Transducers — External Drive Type

Resonant Frequency (KHz)	Operating Voltage (Maximum)	Sound Pressure Level	Current Consumption (Maximum)	Capacitance	Operating Temp. (°C)	Terminal	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Tape & Reel Pricing†	CUI Inc. Part No.
4.0	20V p-p	76dB min. @ 4.0KHz	10mA	17,000pF	-20 ~ 60	PCB Pin	102-1133-ND	2.26	2.05	1.64	1.37	1.19	—	CEP-1160
4.0	20V p-p	80dB min. @ 4.0KHz	7mA	14,000pF	-20 ~ 85	PCB Pin	102-1134-ND	2.45	2.23	1.78	1.48	1.30	—	CEP-1162
5.0	20V p-p	82dB min. @ 5.0KHz	11mA	7,500pF	-30 ~ 80	PCB Pin	102-1135-ND	1.38	1.25	1.00	.83	.73	—	CEP-1152
4.0	20V p-p	82dB min. @ 4.0KHz	7mA	13,000pF	-30 ~ 85	PCB Pin	102-1136-ND	1.51	1.38	1.10	.92	.80	—	CEP-1153
2.4	30V p-p	88dB min. @ 2.4KHz	18mA	80,000pF	-30 ~ 85	PCB Pin	102-1137-ND	2.83	2.58	2.06	1.71	1.50	—	CEP-1106
4.0	30V p-p	92dB min. @ 4.0KHz	11mA	21,000pF	-30 ~ 80	PCB Pin	102-1138-ND	1.38	1.25	1.00	.83	.73	—	CEP-1112
3.0	30V p-p	90dB min. @ 2.8KHz	10mA	18,000pF	-30 ~ 80	PCB Pin	102-1139-ND	1.82	1.65	1.32	1.10	.96	—	CEP-1130
2.0	30V p-p	93dB min. @ 2.0KHz	11mA	45,000pF	-30 ~ 80	PCB Pin	102-1140-ND	2.20	2.00	1.60	1.33	1.16	—	CEP-1114
2.0	30V p-p	90dB min. @ 2.0KHz	8mA	28,000pF	-30 ~ 85	PCB Pin	102-1141-ND	1.95	1.78	1.42	1.18	1.03	—	CEP-1116
2.5	50V p-p	80dB min. @ 2.5KHz	7mA	18,000pF	-30 ~ 85	PCB Pin	102-1142-ND	1.54	1.40	1.12	.93	.82	—	CEP-1108
2.5	50V p-p	80dB min. @ 2.5KHz	7mA	18,000pF	-30 ~ 85	SMD	102-1143-ND	1.71	1.55	1.24	1.03	.90	—	CEP-1109
4.1	30V p-p	90dB min. @ 4.1KHz	12mA	21,000pF	-30 ~ 85	Lead Wire	102-1144-ND	1.38	1.25	1.00	.83	.73	—	CEP-1110
2.8	30V p-p	92dB min. @ 2.8KHz	10mA	18,000pF	-30 ~ 80	Lead Wire	102-1145-ND	1.73	1.58	1.26	1.05	.92	—	CEP-1126
4.0	25V p-p	75dB min. @ 4.0KHz	3mA	14,000pF	-30 ~ 70	SMD	102-1193-1-ND‡	1.79	1.63	1.30	1.08	—	910.00/1,000	CMT-1603
4.1	25V p-p	70dB min. @ 4.1KHz	5mA	16,000pF	-20 ~ 70	SMD	102-1195-1-ND‡	2.37	2.15	1.72	1.43	—	1204.00/1,000	CMT-1303
5.0	20V p-p	88dB min. @ 5.0KHz	10mA	15,000pF	-30 ~ 70	SMD	102-1194-5-ND	2.37	2.15	1.72	1.43	1.25	—	CMT-1261
4.1	25V p-p	70dB min. @ 4.1KHz	4.5mA	12,000pF	-20 ~ 70	SMD	102-1264-1-ND‡	2.64	2.40	1.92	1.60	—	2688.00/2,000	CMT-1102
2.8	30V p-p	75dB min. @ 2.8KHz	4mA	5,600pF	-30 ~ 95	PCB Pin	102-1283-ND	1.53	1.33	1.02	.85	.77	—	CPE-171

gnetic Audio Transducers — External Drive Type

Resonant Frequency (KHz)	Operating Voltage	Sound Pressure Level	Current Consumption (Maximum)	Operating Temp. (°C)	Terminal	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Tape & Reel Pricing†	CUI Inc. Part No.
2.4	4~8V O-p	85dB min. @ 2.4KHz	40mA	-40 ~ 85	SMD	102-1150-NDΔ	2.09	1.90	1.52	1.27	1.11	—	CD-1206
2.048	1~2V O-p	85dB min. @ 2.048KHz	20mA	-20 ~ 60	PCB Pin	102-1151-ND	.63	.58	.46	.39	.34	—	CEM-1201(42)
2.048	1~2V O-p	80dB min. @ 2.048KHz	20mA	-20 ~ 60	PCB Pin	102-1152-ND	.63	.58	.46	.39	.34	—	CEM-1201(50)
2.048	3~5V O-p	85dB min. @ 2.048KHz	20mA	-20 ~ 60	PCB Pin	102-1153-ND	.72	.65	.52	.44	.38	—	CEM-1203(42)
2.4	1~3V O-p	80dB min. @ 2.4KHz	40mA	-20 ~ 60	PCB Pin	102-1154-NDΔ	.83	.75	.60	.50	.44	—	CEM-1205
2.4	3~8V O-p	85dB min. @ 2.4KHz	45mA	-20 ~ 60	PCB Pin	102-1155-NDΔ	.83	.75	.60	.50	.44	—	CEM-1206S

† Tape and Reel part number, change 1-ND to 2-ND ‡ Cut tape pricing Δ Wave solderable and washable * Feedback circuit required ◆ *RoHS Compliant* *(Continued)*

Fig.	Resonant Frequency (KHz)	Operating Voltage	Sound Pressure Level	Current Consumption (Maximum)	Operating Temp. (°C)	Terminal	Digi-Key Part No.	Price Each 1	10	100	500	1,000	Tape & Reel Pricing†	CUI Inc. Part No.
20	2.4	6–16V O-p	85dB min. @ 2.4KHz	40mA	-20 ~ 60	PCB Pin	102-1156-NDΔ	.83	.75	.60	.50	.44	—	CEM-1212S
21	2.048	1–3V O-p	80dB min. @ 2.048KHz	20mA	-20 ~ 60	PCB Pin	102-1112-NDΔ	1.40	1.28	1.02	.85	.74	—	CEM-1601
21	2.048	3–12V O-p	85dB min. @ 2.048KHz	50mA	-20 ~ 60	PCB Pin	102-1113-NDΔ	1.40	1.28	1.02	.85	.74	—	CEM-1606
21	2.048	6–18V O-p	85dB min. @ 2.048KHz	40mA	-20 ~ 60	PCB Pin	102-1114-NDΔ	1.40	1.28	1.02	.85	.74	—	CEM-1612
22	2.8	1–1.7V O-p	85dB min. @ 2.8KHz	40mA	-30 ~ 70	PCB Pin	102-1169-NDΔ	1.24	1.13	.90	.75	.66	—	CEM-14R06CT
23	2.73	2.5–4.5V O-p	87dB min. @ 2.73KHz	100mA	-30 ~ 70	SMD	102-1197-1-ND‡	2.28	2.08	1.66	1.38	—	1162.00/1,000	CSS-73B16K
24	3.1	3–5.0V O-p	90dB min. @ 3.1KHz	80mA	-30 ~ 70	SMD	102-1198-1-ND‡	2.34	2.13	1.70	1.42	—	1190.00/1,000	CSS-J4D20
24	2.73	3–5.0V O-p	90dB min. @ 2.73KHz	80mA	-30 ~ 70	SMD	102-1456-1-ND‡◆ ***NEW!***	2.34	2.13	1.70	1.42	—	1190.00/1,000	CSS-J4B20
25	2.73	3–5V O-p	85dB min. @ 2.73KHz	80mA	-30 ~ 70	SMD	102-1455-1-ND‡◆ ***NEW!***	2.34	2.13	1.70	1.42	—	1190.00/1,000	CSS-J4B20
26	2.4	3–8.0V O-p	87dB min. @ 2.4KHz	40mA	-30 ~ 70	SMD	102-1199-1-ND‡	1.79	1.63	1.30	—	—	424.13/450	CT-1205
26	2.4	3.0–7.0V O-p	88dB min. @ 2.4KHz	60mA	-30 ~ 70	SMD	102-1266-1-ND‡	1.60	1.45	1.16	—	—	269.12/320	CT-1205H
27	2.0	1–3V O-p	90dB min. @ 2.0KHz	90mA	-20 ~ 60	Spring	102-1201-ND	1.46	1.33	1.06	.88	.77	—	CSQ-706BS
28	2.73	2–4.5V O-p	90dB min. @ 2.73KHz	80mA	-20 ~ 60	Spring	102-1202-ND	2.26	2.05	1.64	1.37	1.19	—	CST-934AS
29	2.73	2.5–4.5V O-p	85dB min. @ 2.73KHz	110mA	-30 ~ 70	SMD	102-1265-1-ND‡	1.82	1.65	1.32	—	—	462.00/500	CCV-084B16
30	2.4	4.0–8.0V O-p	85dB min. @ 2.4KHz	50mA	-30 ~ 70	PCB Pin	102-1269-ND	.80	.73	.58	.49	.43	—	CCG-1206
31	3.0	1.0–1.7V O-p	70dB min. @ 3.0KHz	80mA	-20 ~ 60	PCB Pin	102-1284-ND	1.89	1.64	1.26	1.05	.95	—	CC-0601
32	2.0	2.0–4.0V O-p	85dB min. @ 2.0KHz	90mA	-30 ~ 70	PCB Pin	102-1286-ND	.87	.76	.58	.49	.44	—	CSQ703BP
33	2.048	1–2V O-p	70dB min. @ 2.048KHz	35mA	-20 ~ 60	PCB Pin	102-1464-ND◆ ***NEW!***	.88	.80	.64	.54	.47	—	CSQ-601BP
33	2.048	1–2V O-p	70dB min. @ 2.048KHz	20mA	-20 ~ 60	PCB Pin	102-1463-ND◆ ***NEW!***	.94	.85	.68	.57	.50	—	CSQ-706BP
34	2.73	1–2V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1465-ND◆ ***NEW!***	.80	.73	.58	.49	.43	—	CSQ-RP/E
34	2.73	1–2V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1457-ND◆ ***NEW!***	.99	.90	.72	.60	.53	—	CST-911AP
35	2.73	1–2V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1460-ND◆ ***NEW!***	1.05	.95	.76	.64	.56	—	CST-911RP/A
36	2.73	1–2V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1461-ND◆ ***NEW!***	1.05	.95	.76	.64	.56	—	CST-931RP/A
36	2.73	4–6V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1462-ND◆ ***NEW!***	1.05	.95	.76	.64	.56	—	CST-951RP/A
37	2.73	2–4V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 60	PCB Pin	102-1458-ND◆ ***NEW!***	.99	.90	.72	.60	.53	—	CST-931AP
37	2.73	4–6V O-p	85dB min. @ 2.73KHz	80mA	-20 ~ 70	PCB Pin	102-1459-ND◆ ***NEW!***	.99	.90	.72	.60	.53	—	CST-951AP

Piezo Ceramic Audio Transducers — Self Drive Type with Feedback

Fig.	Resonant Frequency (KHz)	Operating Voltage	Sound Pressure Level	Current Consumption (Maximum)	Operating Temp. (°C)	Terminal	Digi-Key Part No.	Price Each 1	10	100	500	1,000	CUI Inc. Part No.
38	3.2	3–28VDC	74dB min. @ 12VDC	7mA	-30 ~ 85	PCB Pin	102-1146-ND*	1.60	1.45	1.16	.97	.85	CEP-1123
39	3.3	3–28VDC	81dB min. @ 12VDC	7mA	-30 ~ 80	PCB Pin	102-1147-ND*	2.12	1.93	1.54	1.28	1.12	CEP-1172
40	2.8	3–28VDC	85dB min. @ 12VDC	7mA	-30 ~ 85	Lead Wire	102-1148-ND*	2.37	2.15	1.72	1.43	1.25	CEP-1136
41	3.3	3–28VDC	82dB min. @ 12VDC	7mA	-30 ~ 80	Lead Wire	102-1149-ND*	2.04	1.85	1.48	1.23	1.08	CEP-1173

† For Tape and Reel part number, change 1-ND to 2-ND ‡ Cut tape pricing Δ Wave solderable and washable * Feedback circuit required ◆ ***RoHS Compliant***

Buzzers

Fig. 1

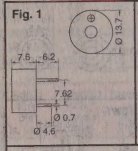


Fig. 2

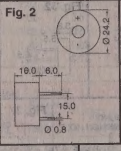


Fig. 3

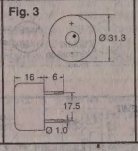


Fig. 4

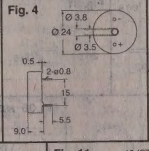


Fig. 5

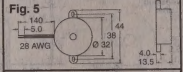


Fig. 6

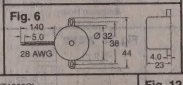


Fig. 7

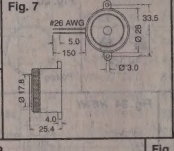


Fig. 8

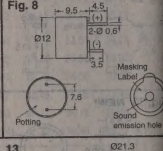


Fig. 9

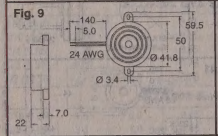


Fig. 10

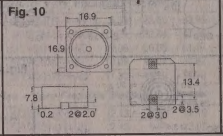


Fig. 11

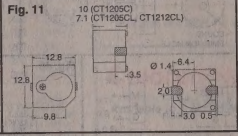


Fig. 12

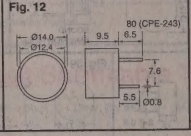
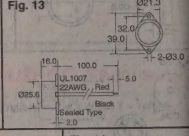


Fig. 13



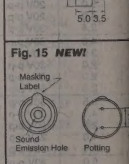
Audio Indicators

Fig.	Sound Pressure Level	Resonant Frequency (KHz)	Current	Input Voltage	Terminal	Digi-Key Part No.	Price Each 1	10	100	Tape & Reel Pricing †	CUI Inc. Part No.
Piezo Buzzers with Drive Circuits											
1	70dB min. @ 12VDC	4.1	7mA @ 12VDC	3–16VDC	PCB Pin	102-1115-ND+	2.64	2.40	1.92	—	CEP-2242
2	85dB min. @ 12VDC	3.0	11mA @12VDC	3–20VDC	PCB Pin	102-1116-ND	3.41	3.10	2.48	—	CEP-2202A
2	85dB min. @ 12VDC	3.0	11mA @12VDC	3–20VDC	PCB Pin	102-1117-ND+	3.71	3.38	2.70	—	CEP-2202AS
3	93dB min. @ 12VDC	3.5	10mA @ 12VDC	3–20VDC	PCB Pin	102-1118-ND	3.49	3.18	2.54	—	CEP-2272A
4	78dB min. @ 12VDC	3.4	15mA @ 12VDC	3–20VDC	PCB Pin	102-1119-ND	2.50	2.28	1.82	—	CEP-2224
5	93dB min. @ 12VDC	3.5	10mA @ 12VDC	3–20VDC	Lead Wires	102-1120-ND	3.27	2.98	2.38	—	CEP-2260A
6	88dB min @ 12VDC	2.5 – 3.8	17mA @ 12VDC	6–18VDC	Lead Wires	102-1121-ND	6.13	5.58	4.46	—	CEP-2280
7	85dB min. @ 12VDC	3.5	6mA @ 12VDC	3–28VDC	Lead Wires	102-1122-ND	4.26	3.88	3.10	—	CEP-2250
8	88dB min. @ 110VAC	2.8	7mA @ 110VAC	30–120VAC/DC	Lead Wires	102-1125-ND	5.45	4.95	3.96	—	CEP-4411AC
10	83dB min. @ 12VDC	4.0	8mA @ 12VDC	3–20VDC	SMD	102-1196-5-ND	3.96	3.60	2.88	—	CMI-1240
11	80dB min. @ 12VDC	5.0	35mA @ 12VDC	9–16VDC	Lead Wires	102-1281-ND*	7.38	6.40	4.92	—	CPE-243
12	80dB min. @ 12VDC	5.0	35mA @ 12VDC	9–16VDC	PCB Pin	102-1468-ND◆ ***NEW!***	6.85	6.23	4.98	—	CPE-244
13	85dB min. @ 12VDC	2.8	35mA @ 12VDC	6–14VDC	Lead Wires	102-1282-ND*	8.97	7.78	5.98	—	CPE-267
Magnetic Buzzer with Drive Circuits											
8	85dB min. @ 12VDC	2.3	35mA @ 12VDC	8–16VDC	PCB Pin	102-1123-NDΔ	2.31	2.10	1.68	—	CEM-1212C
8	85dB min. @ 5VDC	2.3	35mA @ 5VDC	4–7VDC	PCB Pin	102-1124-NDΔ	2.31	2.10	1.68	—	CEM-1205C
11	90dB min. @ 5VDC	2.4	30mA @ 5VDC	4–7VDC	SMD	102-1200-1-ND‡	2.72	2.48	1.98	459.36/320	CT-1205C
11	88dB min. @ 5VDC	2.4	30mA @ 5VDC	4–7VDC	SMD	102-1267-1-ND‡	2.72	2.48	1.98	645.98/450	CT-1205CL
11	85dB min. @ 12VDC	2.4	30mA @ 12VDC	8–15VDC	SMD	102-1268-1-ND‡	2.72	2.48	1.98	645.98/450	CT-1212CL
14	80dB min. @ 5VDC	2.73	35mA @ 5VDC	4–7VDC	PCB Pin	102-1285-NDΔ	1.98	1.72	1.32	—	CX-0905C
15	85dB min. @ 6VDC	2.2	50mA @ 6VDC	4–7VDC	PCB Pin	102-1466-ND◆ ***NEW!***	2.42	2.20	1.76	—	CX-1606C
15	85dB min. @ 12VDC	2.2	35mA @ 12VDC	8–16VDC	PCB Pin	102-1467-ND◆ ***NEW!***	2.42	2.20	1.76	—	CX-1612C

Δ Wave Solderable and Washable † For Tape and Reel part number, change 1-ND to 2-ND ‡ Cut tape pricing * Waterproof ◆ ***RoHS Compliant***

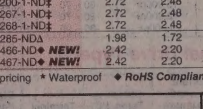
Fig. 14

Fig. 15 ***NEW!***



Piezo Telephone Ringer

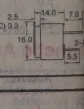
Sound Pressure Level	Electrostatic Capacitance (@ 1KHz)	Input Voltage (Max.)	Digi-Key Part No.	Price Each 1	10	100	500	1,000	CUI Inc. Part No.
81dB @ 1.1KHz	43,000pF	30V p-p	102-1132-ND	1.71	1.55	1.24	1.03	.90	CEP-1141



9-15VDC Buzzer

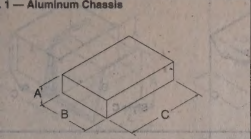
Operates from 9-15VDC.
Case size: 23mm(L) x 15mm(W) x 13.5mm(H) with mounting hole centers at 27mm.

140CU-ND **$2.88/1; $26.40/10**



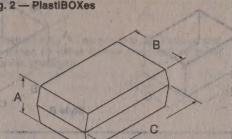
More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

1 — Aluminum Chassis



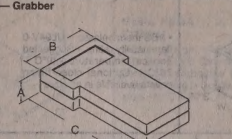
elded at stress points for assured, maximum ngth and rigidity • Sides folded in at bottom for itional support • Bottom plate easily attached • Nat- finish

Fig. 2 — PlastiBOXes



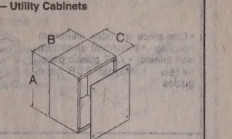
• ABS plastic • UL94-HB flammability rating • Suggested service temperature -40°C ~ 60°C

Fig. 3 — Grabber



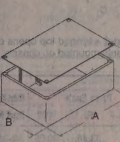
• ABS plastic in a light gray finish • UL94V-0 flammability rating

Fig. 4 — Utility Cabinets



• Sturdy, all-welded body • Available in .040" aluminum or 20 gauge steel: "AU" prefix – aluminum alloy in natural finish; "CU" prefix – steel in metallic gray finish

5 — ABS Plastic Utiliboxes



uminum or plastic cover

Fig. 6 — Plastic NEMA Enclosures

Meets NEMA 1, 2, 4, 4X, 12 and 13 Ratings

Style 1: • Light gray polycarbonate body and cover • UV stabilized • UL94V-2 flammability rating

Style 2: • Light gray polycarbonate body and clear polycarbonate cover • UV stabilized • UL94V-2 flammability rating

Style 3: • Dark gray ABS body and cover • UL94-HB flammability rating

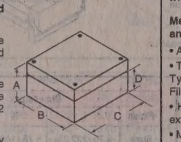


Fig. 7 — Die Cast Aluminum NEMA Boxes with or without Mounting Brackets

Meets NEMA 1, 2, 4, 4X, 12 and 13 Ratings

• ADC-10 aluminum alloy
• Tested and listed to UL-508 Type 4X requirements (UL File #E194432)
• Heavy duty .09" thick external wall mounting bracket
• Mounts to wall or panel with #10 size screws (not included)

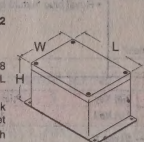
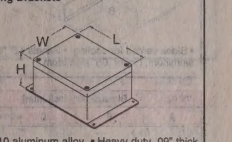


Fig. 8 — Die Cast Econobox with or without Mounting Brackets



• ADC-10 aluminum alloy • Heavy duty .09" thick external wall mounting bracket • Mounts to wall or panel with #10 size screws (not included)

or	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	50	Bud Ind. Part No.
				Fig. 1 — Chassis				
	1.50 (38.1)	4.00 (100.4)	6.00 (152.4)	377-1000-ND	9.30	7.80	7.00	AC-1405
	2.00 (50.8)	6.00 (152.4)	8.00 (203.2)	377-1001-ND	11.90	9.90	8.90	AC-1413
	2.50 (63.5)	8.00 (203.2)	10.00 (254)	377-1002-ND	19.20	16.05	14.45	AC-1418
	2.50 (63.5)	8.00 (203.2)	12.00 (304.8)	377-1003-ND	23.80	19.85	17.85	AC-1419
	5.00 (127)	10.00 (254)	17.00 (431.8)	377-1004-ND	54.70	45.65	41.10	AC-1422
	5.00 (127)	13.00 (330.2)	17.00 (431.8)	377-1005-ND	63.00	52.60	47.35	AC-1426
	3.00 (76.2)	14.00 (355.6)	17.00 (431.8)	377-1006-ND	45.90	38.30	34.45	AC-1427
	4.00 (101.6)	15.00 (381)	17.00 (431.8)	377-1007-ND	62.30	52.00	46.80	AC-1428
	6.00 (152.4)	15.00 (381)	17.00 (431.8)	377-1008-ND	88.20	73.65	66.30	AC-1429
	3.00 (76.2)	17.00 (431.8)	17.00 (431.8)	377-1009-ND	53.40	44.60	40.16	AC-1430
	4.00 (101.6)	17.00 (431.8)	17.00 (431.8)	377-1010-ND	62.60	52.30	47.05	AC-1431
	2.00 (50.8)	5.00 (127)	7.00 (177.8)	377-1011-ND	10.40	8.65	7.80	AC-402
	2.00 (50.8)	5.00 (127)	9.50 (241.3)	377-1012-ND	12.60	10.45	9.40	AC-403
	3.00 (76.2)	5.00 (127)	10.00 (254)	377-1013-ND	16.00	13.35	12.00	AC-404
	2.00 (50.8)	7.00 (177.8)	7.00 (177.8)	377-1014-ND	10.90	9.00	8.10	AC-405
	2.00 (50.8)	7.00 (177.8)	9.00 (228.6)	377-1015-ND	13.10	10.90	9.80	AC-406
	2.00 (50.8)	7.00 (177.8)	11.00 (279.4)	377-1016-ND	15.20	12.65	11.40	AC-407
ral	3.00 (76.2)	7.00 (177.8)	12.00 (304.8)	377-1017-ND	20.20	16.85	15.15	AC-408
	2.00 (50.8)	7.00 (177.8)	13.00 (330.2)	377-1018-ND	16.60	13.90	12.50	AC-409
	3.00 (76.2)	7.00 (177.8)	15.00 (381)	377-1019-ND	26.30	21.95	19.75	AC-411
	3.00 (76.2)	8.00 (203.2)	17.00 (431.8)	377-1020-ND	27.30	22.85	20.55	AC-412
	3.00 (76.2)	10.00 (254)	12.00 (304.8)	377-1021-ND	30.70	25.70	23.15	AC-413
	3.00 (76.2)	10.00 (254)	14.00 (355.6)	377-1022-ND	31.20	26.15	23.55	AC-414
	2.00 (50.8)	10.00 (254)	17.00 (431.8)	377-1023-ND	27.80	23.25	20.95	AC-415
	3.00 (76.2)	10.00 (254)	17.00 (431.8)	377-1024-ND	32.60	27.20	24.50	AC-416
	3.00 (76.2)	12.00 (304.8)	17.00 (431.8)	377-1025-ND	34.40	28.65	25.80	AC-418
	2.00 (50.8)	13.00 (330.2)	17.00 (431.8)	377-1026-ND	35.20	29.35	26.40	AC-419
	3.00 (76.2)	13.00 (330.2)	17.00 (431.8)	377-1027-ND	40.60	33.80	30.50	AC-420
	3.00 (76.2)	5.00 (127)	9.50 (241.3)	377-1028-ND	15.90	13.25	11.95	AC-421
	3.00 (76.2)	8.00 (203.2)	12.00 (304.8)	377-1029-ND	24.20	20.20	18.20	AC-424
	4.00 (101.6)	10.00 (254)	17.00 (431.8)	377-1030-ND	46.90	39.20	35.30	AC-427
	4.00 (101.6)	13.00 (330.2)	17.00 (431.8)	377-1031-ND	49.40	41.20	37.10	AC-428
	3.00 (76.2)	5.00 (127)	7.00 (177.8)	377-1032-ND	13.30	11.10	10.00	AC-429
	3.00 (76.2)	4.00 (101.6)	6.00 (152.4)	377-1033-ND	11.85	9.80	8.80	AC-430
	2.00 (50.8)	4.00 (101.6)	6.00 (152.4)	377-1034-ND	9.60	8.05	7.25	AC-431

assis Bottom Plates

or	Dimensions - Inch (mm) Fits Width	Chassis Length	Digi-Key Part No.	Price Each 1	10	100	Bud Ind. Part No.
	4.00 (101.6)	6.00 (152.4)	377-1035-ND	4.80	4.00	3.60	BPA-1505
	6.00 (152.4)	8.00 (203.2)	377-1036-ND	6.80	5.60	5.05	BPA-1513
	8.00 (203.2)	10.00 (254)	377-1037-ND	8.40	7.00	6.30	BPA-1518
	8.00 (203.2)	12.00 (304.8)	377-1038-ND	10.20	8.55	7.70	BPA-1519
	8.00 (203.2)	17.00 (431.8)	377-1039-ND	10.50	8.80	7.90	BPA-1520
	10.00 (254)	12.00 (304.8)	377-1040-ND	10.20	8.55	7.70	BPA-1523
	10.00 (254)	14.00 (355.6)	377-1041-ND	10.20	8.55	7.70	BPA-1524
	12.00 (304.8)	17.00 (431.8)	377-1042-ND	14.60	12.20	11.00	BPA-1528
	14.00 (355.6)	17.00 (431.8)	377-1043-ND	15.40	12.85	11.55	BPA-1529
	15.00 (381)	17.00 (431.8)	377-1044-ND	19.30	16.10	14.50	BPA-1530
ural	17.00 (431.8)	17.00 (431.8)	377-1045-ND	23.50	19.60	17.65	BPA-1531
	5.00 (127)	7.00 (177.8)	377-1046-ND	4.70	3.90	3.50	BPA-1589
	5.00 (127)	9.50 (241.3)	377-1047-ND	4.80	4.00	3.60	BPA-1590
	5.00 (127)	10.00 (254)	377-1048-ND	4.70	3.90	3.50	BPA-1591
	7.00 (177.8)	7.00 (177.8)	377-1049-ND	4.70	3.90	3.50	BPA-1592
	7.00 (177.8)	9.00 (228.6)	377-1050-ND	5.80	4.85	4.35	BPA-1593
	7.00 (177.8)	11.00 (279.4)	377-1051-ND	6.00	5.00	4.50	BPA-1594
	7.00 (177.8)	12.00 (304.8)	377-1052-ND	6.60	5.50	4.95	BPA-1595
	10.00 (254)	17.00 (431.8)	377-1053-ND	10.80	9.05	8.15	BPA-1597
	13.00 (330.2)	17.00 (431.8)	377-1054-ND	15.00	12.50	11.25	BPA-1598

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
				Fig. 2 — PlastiBOXes			
Gray	1.50 (38.1)	2.25 (57.15)	3.62 (91.95)	377-1161-ND	5.40	4.50	PT-11308-G
	1.50 (38.1)	3.25 (82.55)	5.62 (142.75)	377-1157-ND	10.30	8.60	PBS-11327-G
	2.48 (62.99)	3.25 (82.55)	5.62 (142.75)	377-1162-ND	9.80	8.20	PT-11388-G
	1.52 (38.61)	3.25 (82.55)	4.37 (111.00)	377-1158-ND	4.80	4.00	PBS-11532-G
	1.52 (38.61)	3.25 (82.55)	5.62 (142.75)	377-1159-ND	5.50	4.60	PS-11543-G
	1.52 (38.61)	4.87 (123.70)	6.87 (174.50)	377-1160-ND	6.80	5.65	PS-11553-G
	2.52 (64.01)	4.87 (123.70)	6.87 (174.50)	377-1163-ND	7.20	6.00	PT-11557-G
				Fig. 3 — Grabber			
Gray	1.71 (43.43)	5.16 (131.06)	9.33 (236.98)	377-1170-ND	19.00	15.85	HH-3420
				Accessories for Grabber			
Tilt Stand for HH-3420				377-1171-ND	.90	.75	HH-3440-TS
Gasket for HH-3420				377-1172-ND	1.00	.85	HH-3441-G
				Fig. 4 — Utility Cabinets			
Natural	5.00 (127)	6.00 (152.4)	4.00 (101.6)	377-1056-ND	14.10	11.75	AU-1029
	6.00 (152.4)	6.00 (152.4)	6.00 (152.4)	377-1057-ND	20.60	17.20	AU-1039
	9.00 (228.6)	6.00 (152.4)	5.00 (127)	377-1058-ND	22.40	18.70	AU-1040
Metallic Gray	6.00 (152.4)	6.00 (152.4)	6.00 (152.4)	377-1059-ND	28.70	23.90	CU-1098
	9.00 (228.6)	6.00 (152.4)	5.00 (127)	377-1060-ND	31.10	25.96	CU-1099
	12.00 (304.8)	7.00 (177.8)	6.00 (152.4)	377-1061-ND	46.80	39.10	CU-1124
	4.00 (101.6)	5.00 (127)	3.00 (76.2)	377-1062-ND	14.00	11.75	CU-728
	5.00 (127)	6.00 (152.4)	4.00 (101.6)	377-1063-ND	17.90	14.90	CU-729
	10.00 (254)	8.00 (203.2)	7.00 (177.8)	377-1064-ND	47.00	39.25	CU-879
	15.00 (381)	9.00 (228.6)	7.00 (177.8)	377-1065-ND	66.80	55.80	CU-882
				Fig. 5 — ABS Plastic Utiliboxes			
Black	8.66 (219.96)	5.32 (135.13)	2.95 (74.93)	377-1164-ND*	27.30	22.75	CU-1495
	5.30 (134.62)	2.94 (74.68)	1.95 (49.53)	377-1165-ND	2.70	2.25	CU-1874-B
Gray	5.30 (134.62)	2.94 (74.68)	1.95 (49.53)	377-1166-ND	2.70	2.25	CU-1874-G
Black	4.10 (104.14)	2.23 (57.40)	2.00 (50.8)	377-1167-ND	4.10	3.40	CU-793
	5.59 (141.99)	4.34 (110.27)	1.84 (46.77)	377-1168-ND	7.20	6.00	CU-387
	4.31 (109.47)	3.06 (77.72)	1.46 (37.08)	377-1169-ND	5.80	4.85	CU-388
	4.6 (116.84)	3.1 (78.74)	1.87 (47.50)	377-1216-ND	7.20	6.00	CU-3281
	4.6 (116.84)	4.6 (116.84)	2.37 (60.20)	377-1217-ND	7.60	6.35	CU-3282
	6.1 (154.94)	4.6 (116.84)	2.37 (60.20)	377-1218-ND	9.20	7.70	CU-3283
	7.6 (193.04)	4.6 (116.84)	2.37 (60.20)	377-1219-ND	10.60	8.85	CU-3284
	5.07 (128.78)	3.57 (90.68)	1.59 (40.39)	377-1220-ND	6.70	5.60	CU-389

* Cover panel .05 inch aluminum

NEMA Sealed Polycarbonate and ABS Enclosures

Dimensions - Inch (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	10	100	Bud Ind. Part No.
				Fig. 6 — Style 1				
1.38 (35.05)	2.56 (65.02)	2.28 (57.91)	0.99 (25.146)	377-1112-ND	7.40	6.15	5.55	PN-1320
1.57 (39.88)	4.53 (115.06)	2.56 (65.02)	0.99 (25.146)	377-1114-ND	10.30	8.60	7.75	PN-1321
2.17 (55.12)	4.53 (115.06)	2.56 (65.02)	1.58 (40.13)	377-1116-ND	11.10	9.25	8.35	PN-1322
2.17 (55.12)	4.53 (115.06)	3.54 (89.92)	1.58 (40.13)	377-1119-ND	12.80	10.65	9.60	PN-1323
2.17 (55.12)	6.73 (170.94)	4.76 (120.90)	1.58 (40.13)	377-1122-ND	17.90	14.90	13.40	PN-1324
2.17 (55.12)	8.74 (221.99)	5.75 (146.05)	1.58 (40.13)	377-1125-ND	23.70	19.75	17.80	PN-1325
3.15 (80.01)	6.73 (170.94)	4.76 (120.90)	1.58 (40.13)	377-1127-ND	19.40	16.15	14.55	PN-1327
3.15 (80.01)	4.53 (115.06)	3.54 (89.92)	2.56 (65.02)	377-1129-ND	14.90	12.40	11.15	PN-1328
2.95 (74.93)	8.74 (221.99)	5.75 (146.05)	1.58 (40.13)	377-1131-ND	26.00	21.65	19.50	PN-1329
3.35 (85.09)	6.30 (160.02)	3.15 (80.01)	2.76 (70.10)	377-1134-ND	16.50	13.75	12.40	PN-1333
2.95 (74.93)	7.87 (199.90)	4.72 (119.89)	2.37 (60.199)	377-1136-ND	23.40	19.50	17.55	PN-1334
3.74 (94.99)	10.43 (264.93)	7.28 (184.91)	2.95 (74.93)	377-1258-ND	38.40	32.15	26.90	PN-1335

(Continued)

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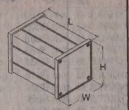
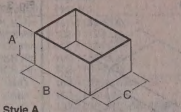
Fig. 9 — Extruded Aluminum Boxes



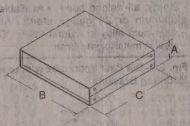
• One piece extruded aluminum housing • Individual aluminum end panels • ABS plastic panel bezels • Internal PCB card guides

Fig. 10 — Potting Boxes



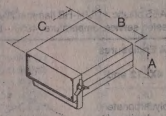
• ABS thermoplastic • UL94V-0 flammability rating • Suggested service temperature -20°C – 70°C • Optional close-fitting covers available in all sizes

Fig. 11 — Desktop Cabinet



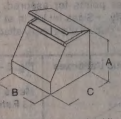
• Sides vented for cooling • Panels 12" "Surface Shield" aluminum; Cover .05" aluminum

Fig. 12 — TR Series Cabinets



• Top and bottom .05" aluminum; front panel .09" aluminum • Extruded aluminum frame • Corner gussets for added support • Carrying handle may be used as tilting bail • Front panel, self-adhesive rubber feet and handle/bail included • Royal blue texture body with white frame and bail

Fig. 13 — Sloping Panel Cabinets



• Steel • Removable front panel • Hinged top opens completely for access to components mounted on chassis

Dimensions - Inch (mm)				Digi-Key	Price Each			Bud Ind.
A	B	C	D	Part No.	1	10	100	Part No.
Fig. 6 — Style 2								
2.17 (55.12)	4.53 (115.06)	2.56 (65.02)	1.58 (40.13)	377-1117-ND	11.40	9.50	8.55	PN-1322-C
2.17 (55.12)	4.53 (115.06)	3.54 (89.92)	1.58 (40.13)	377-1120-ND	13.20	11.00	9.90	PN-1323-C
2.17 (55.12)	6.73 (170.94)	4.76 (120.90)	1.58 (40.13)	377-1123-ND	18.50	15.40	13.85	PN-1324-C
2.17 (55.12)	6.30 (160.02)	3.15 (80.01)	1.58 (40.13)	377-1133-ND	15.70	13.10	11.80	PN-1332-C
1.57 (39.88)	4.53 (115.06)	2.56 (65.02)	0.99 (25.15)	377-1255-ND	10.60	8.85	7.95	PN-1321-C
2.95 (74.93)	8.74 (221.99)	5.75 (146.05)	1.58 (40.13)	377-1256-ND	26.00	21.65	19.50	PN-1329-C
2.95 (74.93)	7.87 (199.90)	4.72 (119.89)	2.37 (60.20)	377-1257-ND	23.70	19.75	17.80	PN-1334-C
Fig. 6 — Style 3								
1.38 (35.05)	2.56 (65.02)	2.28 (57.91)	0.99 (25.146)	377-1113-ND	5.90	4.90	4.40	PN-1320-DG
1.57 (39.88)	4.53 (115.06)	2.56 (65.02)	0.99 (25.146)	377-1115-ND	7.20	6.00	5.40	PN-1321-DG
2.17 (55.12)	4.53 (115.06)	2.56 (65.02)	1.58 (40.13)	377-1118-ND	8.10	6.75	6.10	PN-1322-DG
2.17 (55.12)	4.53 (115.06)	3.54 (89.92)	1.58 (40.13)	377-1121-ND	9.80	8.15	7.35	PN-1323-DG
2.17 (55.12)	6.73 (170.94)	4.76 (120.90)	1.58 (40.13)	377-1124-ND	14.20	11.85	10.65	PN-1324-DG
2.17 (55.12)	8.74 (221.99)	5.75 (146.05)	1.58 (40.13)	377-1126-ND	19.20	16.00	14.40	PN-1325-DG
3.15 (80.01)	6.73 (170.94)	4.76 (120.90)	1.58 (40.13)	377-1128-ND	13.40	11.15	10.05	PN-1327-DG
3.15 (80.01)	4.53 (115.06)	3.54 (89.92)	2.56 (65.02)	377-1130-ND	10.10	8.40	7.55	PN-1328-DG
2.95 (74.93)	8.74 (221.99)	5.75 (146.05)	1.58 (40.13)	377-1132-ND	16.40	13.65	12.30	PN-1329-DG
3.35 (85.09)	6.30 (160.02)	3.15 (80.01)	2.76 (70.10)	377-1135-ND	13.00	10.85	9.75	PN-1333-DG
2.95 (74.93)	7.87 (199.90)	4.72 (119.89)	2.37 (60.199)	377-1137-ND	17.30	14.40	12.95	PN-1334-DG
3.74 (94.99)	10.43 (264.93)	7.28 (184.91)	2.95 (74.93)	377-1259-ND	29.10	24.35	20.36	PN-1335-DG

Aluminum NEMA Boxes

Finish	Dimensions - Inch (mm)			Digi-Key	Price Each			Bud Ind.
	L	W	H	Part No.	1	10	100	Part No.
Fig. 7 — NEMA Sealed Die-Cast Enclosures								
Natural	1.38 (35.05)	2.28 (57.91)	2.52 (64.01)	377-1100-ND	6.00	5.00	4.50	AN-1301
	1.18 (29.97)	2.56 (65.02)	4.53 (115.06)	377-1101-ND	8.70	7.25	6.55	AN-1302
	2.17 (55.12)	2.56 (65.02)	4.53 (115.06)	377-1102-ND	10.60	8.85	7.95	AN-1303
	2.17 (55.12)	3.54 (89.92)	4.53 (115.06)	377-1103-ND	12.40	10.35	9.30	AN-1304
	2.17 (55.12)	5.75 (146.05)	8.75 (222.25)	377-1106-ND	23.80	19.85	17.85	AN-1307
	1.18 (29.97)	1.42 (36.07)	3.54 (89.92)	377-1099-NDS	5.80	4.85	4.35	AN-1300
	2.95 (74.93)	4.25 (107.95)	5.83 (148.08)	377-1104-NDS	22.20	18.50	16.65	AN-1305
	2.17 (55.12)	4.76 (120.90)	6.73 (170.94)	377-1105-NDS	22.60	18.85	16.95	AN-1306
Gray	1.18 (29.97)	2.56 (65.02)	4.53 (115.06)	377-1190-ND	14.10	11.75	10.60	AN-1302-G
	2.17 (55.12)	2.56 (65.02)	4.53 (115.06)	377-1191-ND	16.50	13.75	12.40	AN-1303-G
	2.17 (55.12)	3.54 (89.92)	4.53 (115.06)	377-1192-ND	19.80	16.50	14.85	AN-1304-G
	2.95 (74.93)	4.25 (107.95)	5.83 (148.08)	377-1193-ND	31.80	26.50	23.85	AN-1305-G
	2.17 (55.12)	4.76 (120.90)	6.73 (170.94)	377-1194-ND	32.20	26.85	24.15	AN-1306-G
	2.17 (55.12)	5.75 (146.05)	8.75 (222.25)	377-1195-ND	34.60	28.85	25.95	AN-1307-G
Fig. 7 — NEMA Diecast Aluminum Boxes with Mounting Brackets								
Natural	3.54 (89.92)	1.42 (36.07)	1.18 (29.97)	377-1426-ND	12.10	10.10	9.10	AN-2800
Black	3.54 (89.92)	1.42 (36.07)	1.18 (29.97)	377-1427-ND	12.80	10.65	9.60	AN-2800-B
Natural	2.52 (64.01)	2.28 (57.91)	1.38 (35.05)	377-1428-ND	12.50	10.40	9.35	AN-2801
Black	2.52 (64.01)	2.28 (57.91)	1.38 (35.05)	377-1429-ND	13.20	11.00	9.90	AN-2801-B
Natural	4.53 (115.06)	2.56 (65.02)	1.18 (29.97)	377-1430-ND	15.60	13.00	11.70	AN-2802
Black	4.53 (115.06)	2.56 (65.02)	1.18 (29.97)	377-1431-ND	17.00	14.15	12.75	AN-2802-B
Natural	4.53 (115.06)	2.56 (65.02)	2.17 (55.12)	377-1432-ND	17.80	14.85	13.35	AN-2803
Black	4.53 (115.06)	2.56 (65.02)	2.17 (55.12)	377-1433-ND	19.20	16.00	14.40	AN-2803-B
Natural	4.53 (115.06)	3.54 (89.92)	2.17 (55.12)	377-1434-ND	19.40	16.15	14.55	AN-2804
Black	4.53 (115.06)	3.54 (89.92)	2.17 (55.12)	377-1435-ND	21.50	17.90	16.10	AN-2804-B
Natural	5.83 (148.08)	4.25 (107.95)	2.95 (74.93)	377-1436-ND	30.60	25.50	22.95	AN-2805
Black	5.83 (148.08)	4.25 (107.95)	2.95 (74.93)	377-1437-ND	33.90	28.25	25.45	AN-2805-B
Natural	6.73 (170.94)	4.76 (120.90)	2.17 (55.12)	377-1438-ND	31.50	26.25	23.65	AN-2806
Black	6.73 (170.94)	4.76 (120.90)	2.17 (55.12)	377-1439-ND	34.60	28.85	25.95	AN-2806-B
Natural	8.75 (222.25)	5.75 (146.05)	2.17 (55.12)	377-1440-ND	34.00	28.35	25.50	AN-2807

§ No wall mounting holes

Finish	Dimensions - Inch (mm)			Digi-Key	Price Each			Bud Ind.
	L	W	H	Part No.	1	10	100	Part No.
Black	8.75 (222.25)	5.75 (146.05)	2.17 (55.12)	377-1441-ND	40.10	33.40	30.05	AN-2807-B
Natural	8.75 (222.25)	5.75 (146.05)	3.25 (82.55)	377-1442-ND	38.80	32.35	29.10	AN-2808
Black	8.75 (222.25)	5.75 (146.05)	3.25 (82.55)	377-1443-ND	45.00	37.50	33.75	AN-2808-B
Natural	4.75 (120.65)	4.75 (120.65)	4.00 (101.6)	377-1444-ND	33.90	28.25	25.45	AN-2809
Black	4.75 (120.65)	4.75 (120.65)	4.00 (101.6)	377-1445-ND	36.80	30.65	27.60	AN-2809-B
Natural	6.25 (158.75)	6.25 (158.75)	4.00 (101.6)	377-1446-ND	38.10	31.75	28.60	AN-2810
Black	6.25 (158.75)	6.25 (158.75)	4.00 (101.6)	377-1447-ND	42.20	35.15	31.65	AN-2810-B
Natural	1.97 (50.04)	1.77 (44.96)	1.12 (28.45)	377-1448-ND	11.80	9.85	8.85	AN-2811
Black	1.97 (50.04)	1.77 (44.96)	1.12 (28.45)	377-1449-ND	12.40	10.35	9.30	AN-2811-B
Natural	3.85 (97.79)	2.52 (64.01)	1.35 (34.29)	377-1450-ND	15.10	12.60	11.35	AN-2812
Black	3.85 (97.79)	2.52 (64.01)	1.35 (34.29)	377-1451-ND	16.30	13.60	12.25	AN-2812-B
Natural	4.90 (124.46)	3.14 (79.76)	1.59 (40.39)	377-1452-ND	18.40	15.35	13.80	AN-2813
Black	4.90 (124.46)	3.14 (79.76)	1.59 (40.39)	377-1453-ND	20.70	17.25	15.55	AN-2813-B
Natural	4.90 (124.46)	3.14 (79.76)	2.26 (57.40)	377-1454-ND	20.30	16.90	15.20	AN-2814
Black	4.90 (124.46)	3.14 (79.76)	2.26 (57.40)	377-1455-ND	22.90	19.10	17.20	AN-2814-B
Natural	5.91 (150.11)	2.52 (64.01)	1.45 (36.83)	377-1456-ND	19.60	16.35	14.70	AN-2815
Black	5.91 (150.11)	2.52 (64.01)	1.45 (36.83)	377-1457-ND	21.20	17.65	15.90	AN-2815-B
Natural	6.29 (159.77)	3.93 (99.82)	2.37 (60.20)	377-1458-ND	30.10	25.10	22.60	AN-2816
Black	6.29 (159.77)	3.93 (99.82)	2.37 (60.20)	377-1459-ND	33.40	27.85	25.05	AN-2816-B
Natural	6.29 (159.77)	3.93 (99.82)	3.19 (81.03)	377-1460-ND	32.40	27.00	24.30	AN-2817
Black	6.29 (159.77)	3.93 (99.82)	3.19 (81.03)	377-1461-ND	35.70	29.75	26.80	AN-2817-B

Econoboxes

Finish	Dimensions - Inch (mm)			Digi-Key	Price Each			Bud Ind.
	L	W	H	Part No.	1	10	100	Part No.
Fig. 8 — Econobox Enclosures								
Natural	3.62 (91.95)	1.50 (38.10)	1.21 (30.73)	377-1107-ND	6.90	5.75	5.20	CU-1230
	4.37 (177.80)	2.37 (60.198)	1.21 (30.73)	377-1108-ND	7.20	6.05	5.45	CU-1240
	4.68 (118.87)	3.68 (93.47)	2.21 (56.13)	377-1109-ND	11.60	9.65	8.70	CU-2340
	7.39 (187.81)	4.70 (119.38)	2.21 (56.13)	377-1110-ND	19.60	16.35	14.70	CU-2470
	7.39 (187.71)	4.70 (119.38)	3.21 (81.53)	377-1111-ND	23.00	19.20	17.30	CU-3470
Fig. 8 — Econoboxes with Mounting Brackets								
Natural	3.62 (91.95)	1.50 (38.10)	1.21 (30.73)	377-1462-ND	10.90	9.10	8.20	CU-4123
Black	3.62 (91.95)	1.50 (38.10)	1.21 (30.73)	377-1463-ND	11.85	9.85	8.85	CU-4123-B
Natural	4.37 (111.00)	2.37 (60.20)	1.21 (30.73)	377-1464-ND	13.20	11.00	9.90	CU-4124
Black	4.37 (111.00)	2.37 (60.20)	1.21 (30.73)	377-1465-ND	14.30	11.90	10.70	CU-4124-B
Natural	4.68 (118.87)	3.68 (93.47)	2.21 (56.13)	377-1466-ND	17.40	14.50	13.05	CU-4234
Black	4.68 (118.87)	3.68 (93.47)	2.21 (56.13)	377-1467-ND	19.40	16.15	14.55	CU-4234-B
Natural	7.39 (187.71)	4.70 (119.38)	2.21 (56.13)	377-1468-ND	23.20	19.35	17.40	CU-4247
Black	7.39 (187.71)	4.70 (119.38)	2.21 (56.13)	377-1469-ND	26.70	22.25	20.05	CU-4247-B
Natural	7.39 (187.71)	4.70 (119.38)	3.21 (81.53)	377-1470-ND	27.10	22.60	20.36	CU-4347
Black	7.39 (187.71)	4.70 (119.38)	3.21 (81.53)	377-1471-ND	30.60	25.50	22.95	CU-4347-B
Natural	2.00 (50.8)	2.00 (50.8)	1.25 (31.75)	377-1472-ND	9.90	8.25	7.45	CU-4477
Black	2.00 (50.8)	2.00 (50.8)	1.25 (31.75)	377-1473-ND	10.60	8.85	7.95	CU-4477-B
Natural	4.33 (109.98)	3.25 (82.55)	1.75 (44.45)	377-1474-ND	14.70	12.25	11.05	CU-4477
Black	4.33 (109.98)	3.25 (82.55)	1.75 (44.45)	377-1475-ND	16.50	13.75	12.40	CU-4477
Natural	4.75 (120.65)	3.15 (80.01)	2.33 (59.18)	377-1476-ND	17.10	14.25	12.85	CU-4477
Black	4.75 (120.65)	3.15 (80.01)	2.33 (59.18)	377-1477-ND	19.40	16.15	14.55	CU-4477
Natural	4.68 (118.87)	3.68 (93.47)	1.34 (34.04)	377-1478-ND	16.10	13.40	12.05	CU-4477
Black	4.68 (118.87)	3.68 (93.47)	1.34 (34.04)	377-1479-ND	18.10	15.10	13.60	CU-4477
Natural	4.75 (120.65)	4.75 (120.65)	2.33 (59.18)	377-1480-ND	21.10	17.60	15.85	CU-4477
Black	4.75 (120.65)	4.75 (120.65)	2.33 (59.18)	377-1481-ND	24.00	20.00	18.00	CU-4477
Natural	4.75 (120.65)	4.75 (120.65)	3.75 (95.25)	377-1482-ND	24.40	20.35	18.30	CU-4477
Black	4.75 (120.65)	4.75 (120.65)	3.75 (95.25)	377-1483-ND	27.30	22.75	20.50	CU-4477
Natural	6.00 (152.4)	3.25 (82.55)	2.00 (50.8)	377-1484-ND	20.40	17.00	15.30	CU-4477
Black	6.00 (152.4)	3.25 (82.55)	2.00 (50.8)	377-1485-ND	22.70	18.90	17.00	CU-4477

(Contin

Enclosures *(Cont.)*

Dimensions in Inch (mm)

Fig. 14 — Slope Enclosure

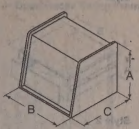


Fig. 15 — Mini Boxes

• 04" aluminum alloy • Two sections slip together and may be joined by either built-in snap lock or sheet metal screws (included)

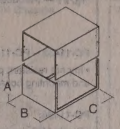


Fig. 16 — Gasketed Enclosures

Meets NEMA 1, 2, 4, 4X, 12 and 13 Ratings.

Indoor Version: • ABS/PC blended plastic with UL94-5VB flammability rating • Clear doors polycarbonate with UL94V-0 flammability rating • Suggested service temperature -40°C ~ 70°C

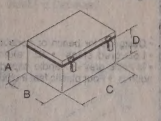
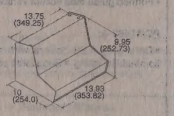


Fig. 17 — Small Compucab Series Cabinets

2 Piece Design

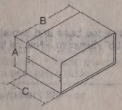
• Dual-slope keyboard styling • Base and side .09" aluminum; back panel and cover .05" aluminum • Rubber feet included



3 Piece Design

Fig. 18 — Champion Cabinets

• No screws on front or rear panel • Ventilation slots in bottom and rear panel • Black top and bottom; white front and rear • .05" aluminum • Four adhesive rubber feet included



Finish	Dimensions - Inch (mm) L	W	H	Digi-Key Part No.	Price Each 1	10	100	Bud Ind. Part No.
Natural	7.39 (187.71)	4.70 (119.38)	1.50 (38.1)	377-1486-ND	21.30	17.75	16.00	CU-4477
Black	7.39 (187.71)	4.70 (119.38)	1.50 (38.1)	377-1487-ND	24.80	20.65	18.60	CU-4477-B
Natural	7.50 (190.5)	7.50 (190.5)	2.62 (66.55)	377-1488-ND	33.70	28.10	25.30	CU-4478
Black	7.50 (190.5)	7.50 (190.5)	2.62 (66.55)	377-1489-ND	38.20	31.85	28.65	CU-4478-B
Natural	4.37 (111.00)	2.37 (60.20)	2.13 (54.10)	377-1490-ND	15.70	13.10	11.80	CU-4479
Black	4.37 (111.00)	2.37 (60.20)	2.13 (54.10)	377-1491-ND	16.80	14.00	12.60	CU-4479-B

Extruded Aluminum Boxes

Dimensions - Inch (mm) L	W	H	Digi-Key Part No.	Price Each 1	10	100	Bud Ind. Part No.
Fig. 9 — Extruded Aluminum Boxes							
3.81 (96.77)	3.14 (79.76)	1.57 (39.88)	377-1492-ND	13.00	10.85	9.75	EX-4500
5.38 (136.65)	3.14 (79.76)	1.57 (39.88)	377-1493-ND	16.50	13.75	12.40	EX-4501
6.96 (176.78)	3.14 (79.76)	1.57 (39.88)	377-1494-ND	20.00	16.65	15.00	EX-4502
6.14 (155.96)	5.38 (136.65)	3.18 (80.77)	377-1495-ND	25.00	20.85	18.75	EX-4521
6.96 (176.78)	6.14 (155.96)	3.18 (80.77)	377-1496-ND	30.50	25.40	22.85	EX-4522
9.32 (236.73)	6.14 (155.96)	3.18 (80.77)	377-1497-ND	38.50	32.10	28.90	EX-4523
5.38 (136.65)	3.82 (97.03)	3.82 (97.03)	377-1498-ND	20.50	17.10	15.40	EX-4541
6.96 (176.78)	3.82 (97.03)	3.82 (97.03)	377-1499-ND	26.50	21.25	19.15	EX-4542
9.32 (236.73)	3.82 (97.03)	3.82 (97.03)	377-1500-ND	31.50	26.25	23.65	EX-4543

Style	Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Fig. 10 — Potting Boxes								
A	Black	1.00 (25.4)	2.00 (50.8)	1.50 (38.1)	377-1173-ND	1.16	.97	PB-1558
		1.50 (38.1)	3.00 (76.2)	2.00 (50.8)	377-1176-ND	1.69	1.41	PB-1559
		.75 (19.05)	1.00 (25.4)	1.00 (25.4)	377-1180-ND	.68	.57	PB-1577
B	Black	1.00 (25.4)	2.00 (50.8)	1.50 (38.1)	377-1175-ND	1.27	1.06	PB-1558-TF
		1.50 (38.1)	3.00 (76.2)	2.00 (50.8)	377-1178-ND	1.82	1.52	PB-1559-TF
		1.50 (38.1)	3.00 (76.2)	3.00 (76.2)	377-1179-ND	1.83	1.53	PB-1576-TF
C	Black	1.00 (25.4)	2.00 (50.8)	1.50 (38.1)	377-1174-ND	1.27	1.06	PB-1558-BF
		1.50 (38.1)	3.00 (76.2)	2.00 (50.8)	377-1177-ND	1.82	1.52	PB-1559-BF
Optional Close-Fitting Covers								
Cover for PB-1558-BF					377-1181-ND	.67	.56	PBC-1558-C
Cover for PB-1558/1558-TF					377-1182-ND	.67	.56	PBC-1558-CN
Cover for PB-1559-BF					377-1183-ND	.78	.65	PBC-1559-C
Cover for PB-1559/1559-TF					377-1184-ND	.78	.64	PBC-1575-C
Cover for PB-1576-TF					377-1185-ND	.99	.83	PBC-1576-C
Cover for PB-1577					377-1186-ND	.40	.34	PBC-1577-C

Small Cabinets

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	5	10	Bud Ind. Part No.
Fig. 11 — SLIMCAB™ Desktop Cabinet								
Sand Text.	1.75 (44.45)	8.50 (215.9)	8.0 (203.2)	377-1187-ND	63.40	—	52.90	CS-11221-S
Fig. 12 — TR Series								
Blue/White	3.50 (88.9)	8.31 (211.07)	10.75 (273.05)	377-1312-ND	237.90	198.65	—	TR-6100
	5.25 (133.35)	8.31 (211.07)	13.25 (336.55)	377-1313-ND	254.70	212.65	—	TR-6101
Blue/White	7.00 (177.8)	11.06 (280.9)	13.25 (336.55)	377-1055-ND	291.60	243.45	—	TR-6102
Fig. 13 — Sloping Panel Cabinets								
Metallic Gray	6.50 (165.1)	7.06 (179.3)	7.31 (185.7)	377-1066-ND	49.80	—	41.65	C-1584
	6.50 (165.1)	9.06 (230.1)	7.31 (185.7)	377-1067-ND	48.00	—	40.05	C-1585
	6.50 (165.1)	11.06 (280.9)	7.31 (185.7)	377-1068-ND	53.80	—	44.90	C-1586
	8.00 (203.2)	10.06 (255.5)	8.00 (203.2)	377-1069-ND	60.30	—	50.37	C-1588
	8.00 (203.2)	13.06 (331.7)	8.50 (215.9)	377-1070-ND	80.30	—	67.10	C-1892
	10.00 (254)	18.06 (458.37)	10.50 (266.7)	377-1071-ND	116.50	—	98.90	C-1893
	8.00 (203.2)	14.06 (357.1)	8.00 (203.2)	377-1072-ND	73.20	—	61.15	C-1894
	9.00 (228.6)	18.06 (458.7)	8.18 (207.78)	377-1073-ND	101.90	—	85.10	C-1896
Fig. 14 — Slope Enclosures, Solid Top (.09" Base, .05" Cover with Rubber Feet)								
Black/White	4.25 (107.95)	4.93 (125.22)	5.00 (127)	377-1074-ND*	42.90	35.80	—	SC-12100
	3.28 (82.55)	11.93 (303.02)	10.00 (254)	377-1075-ND	77.10	64.40	—	SC-12101

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	5	10	Bud Ind. Part No.
Fig. 15 — Mini Boxes								
Gray	1.62 (41.15)	2.12 (53.85)	2.75 (69.85)	377-1076-ND	5.30	—	4.40	CU-2100-B
	1.62 (41.15)	2.12 (53.85)	3.25 (82.55)	377-1077-ND	5.40	—	4.50	CU-2101-B
	1.62 (41.15)	2.12 (53.85)	4.00 (101.6)	377-1078-ND	5.60	—	4.65	CU-2102-B
	2.25 (57.15)	2.25 (57.15)	4.00 (101.6)	377-1079-ND	5.80	—	4.85	CU-2103-B
	3.00 (76.2)	4.00 (101.6)	5.00 (127)	377-1080-ND	8.50	—	7.10	CU-2105-B
	2.12 (53.85)	3.00 (76.2)	5.25 (133.35)	377-1081-ND	6.90	—	5.70	CU-2106-B
	4.00 (101.6)	5.00 (127)	6.00 (152.4)	377-1082-ND	12.00	—	10.10	CU-2107-B
	3.00 (76.2)	5.00 (127)	7.00 (177.8)	377-1083-ND	11.60	—	9.70	CU-2108-B
	3.50 (88.9)	6.00 (152.4)	8.00 (203.2)	377-1084-ND	23.30	—	19.50	CU-2109-B
	3.50 (88.9)	6.00 (152.4)	10.00 (254)	377-1085-ND	24.70	—	20.60	CU-2110-B
	4.00 (101.6)	7.00 (177.8)	12.00 (304.8)	377-1086-ND	32.70	—	27.35	CU-2111-B
Natural	1.62 (41.15)	2.12 (53.85)	2.75 (69.85)	377-1087-ND	3.50	—	2.90	CU-3000-A
	1.62 (41.15)	2.12 (53.85)	3.25 (82.55)	377-1088-ND	3.90	—	3.25	CU-3001-A
	1.62 (41.15)	2.12 (53.85)	4.00 (101.6)	377-1089-ND	4.30	—	3.60	CU-3002-A
	2.25 (57.15)	2.25 (57.15)	4.00 (101.6)	377-1090-ND	4.60	—	3.80	CU-3003-A
	2.25 (57.15)	2.25 (57.15)	5.00 (127)	377-1091-ND	5.50	—	4.60	CU-3004-A
	3.00 (76.2)	4.00 (101.6)	5.00 (127)	377-1092-ND	7.00	—	5.85	CU-3005-A
	2.12 (53.85)	3.00 (76.2)	5.25 (133.35)	377-1093-ND	5.60	—	4.60	CU-3006-A
	4.00 (101.6)	5.00 (127)	6.00 (152.4)	377-1094-ND	10.00	—	8.40	CU-3007-A
	3.00 (76.2)	5.00 (127)	7.00 (177.8)	377-1095-ND	9.00	—	7.50	CU-3008-A
	3.50 (88.9)	6.00 (152.4)	8.00 (203.2)	377-1096-ND	14.10	—	11.75	CU-3009-A
	3.50 (88.9)	6.00 (152.4)	10.00 (254)	377-1097-ND	17.80	—	14.85	CU-3010-A
	4.00 (101.6)	7.00 (177.8)	12.00 (304.8)	377-1098-ND	22.50	—	18.75	CU-3011-A

* Single knockout only — centered

UL/NEMA/IEC Gasketed Enclosures

A	Dimensions - Inch (mm) B	C	D	Digi-Key Part No.	Price Each 1	5	15	Bud Ind. Part No.
Fig. 16 — NBA Series – Stainless Steel Hinges								
7.09 (180.09)	11.80 (299.72)	7.85 (199.39)	5.90 (149.86)	377-1138-ND†	64.10	53.40	48.05	NBA-10144
7.09 (180.09)	15.75 (400.05)	11.80 (299.72)	5.90 (149.86)	377-1139-ND†	94.50	78.75	70.90	NBA-10148
5.97 (151.64)	11.80 (299.72)	7.85 (199.39)	4.80 (121.92)	377-1140-ND§	60.90	50.75	45.70	NBA-10162
Fig. 16 — NBB Series – Plastic Hinges								
3.57 (90.68)	5.90 (149.86)	5.90 (149.86)	2.75 (69.85)	377-1141-ND†	20.20	16.85	15.15	NBB-10240
5.50 (141.35)	11.28 (286.512)	7.47 (189.79)	4.33 (109.96)	377-1142-ND†	41.90	34.90	31.40	NBB-10243
7.04 (178.82)	13.00 (330.2)	13.00 (330.2)	5.86 (148.84)	377-1143-ND†	57.90	48.25	43.45	NBB-10245
6.30 (160.02)	15.68 (398.27)	11.73 (297.94)	5.11 (129.79)	377-1144-ND†	58.40	48.65	43.80	NBB-10247
3.57 (90.68)	5.90 (149.86)	5.90 (149.86)	2.75 (69.85)	377-1245-ND§	22.10	18.40	16.55	NBB-10260
3.57 (90.68)	5.90 (149.86)	5.90 (149.86)	2.75 (69.85)	377-1246-ND†	22.30	18.60	16.75	NBB-15240
Fig. 16 — NBD Series – Non-Metallic Phillips Drive Fasteners								
5.03 (127.76)	7.48 (189.99)	11.02 (279.91)	3.85 (97.79)	377-1145-ND†	42.60	35.50	31.95	NBD-10442
Fig. 16 — NBE Series – Plastic Hinges/Aluminum Swing-out Panel								
5.50 (141.35)	7.47 (189.79)	11.28 (286.512)	4.33 (109.98)	377-1146-ND§	78.80	65.80	59.20	NBE-10563
6.30 (160.02)	11.73 (297.94)	15.68 (398.27)	5.11 (129.79)	377-1147-ND§	103.10	86.10	77.50	NBE-10567
7.85 (199.39)	14.64 (371.86)	19.17 (486.92)	6.67 (169.42)	377-1148-ND§	155.10	130.35	117.30	NBE-10573

† Solid doors § Clear doors

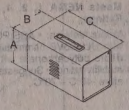
Small Cabinets

Description	Digi-Key Part No.	Price Each 1	5	15	Bud Ind. Part No.
Fig. 17 — Small Metal Enclosures – Compucab Series					
2 pc. Design	377-1296-ND	83.00	69.30	62.35	SC-13100
3 pc. Design	377-1297-ND	161.60	134.90	121.41	SC-13101

(Continued)

Dimensions in inch (mm)

Fig. 19 — Portacab Cabinets



- Designed for bench or portable use
- Louvered sides • .05" aluminum
- Metallic gray • Handle capacity 25 pounds • Four plastic feet included

Fig. 20 — Converta Boxes

- Welded base and two-sided cover
- .05" aluminum • Natural finish

Fig. 21 — Plasticases

PC-11402 – PC-11416:

- Impact resistant polystyrene • UL94-HB flammability rating • Molded-in card guides and mounting bosses • Double-textured PC bone gray

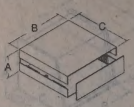
PC-11438:

- Black ABS covers • UL94-HB flammability rating • Clear anodized aluminum front and rear panels • Internal steel channels provide extra strength and ease of assembly • Formed guide tabs accept vertical or horizontal circuit boards

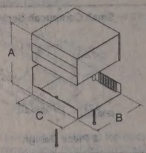
PC-11482-A:

- Dark gray ABS covers with natural finish aluminum end panels • UL94V-0 flammability rating • Suggested service temperature -40°C – 80°C

Style 1

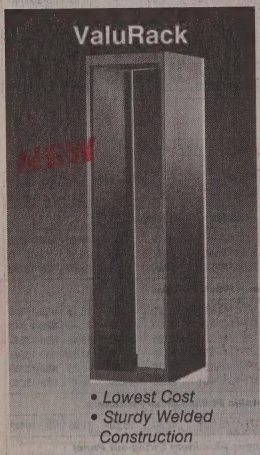


Style 2



Color	Dimensions - inch (mm) A	B	C	Digi-Key Part No	Price Each 1	5	10	Bud Ind. Part No.
Fig. 18 — Champion Series Cabinets								
Black	6.00 (152.4)	12.00 (304.8)	10.00 (254)	377-1210-ND	77.30	—	64.50	CS-11212-BT
	8.00 (203.2)	9.00 (228.6)	8.00 (203.2)	377-1211-ND	75.40	—	62.90	CS-11214-BT
	8.00 (203.2)	12.00 (304.8)	10.00 (254)	377-1212-ND	84.60	—	70.60	CS-11216-BT
Fig. 19 — Portacab Cabinets								
Gray	8.00 (203.2)	6.12 (155.45)	8.00 (203.2)	377-1315-ND	81.60	68.10	—	WA-1540
	9.00 (228.6)	8.12 (206.25)	12.00 (304.8)	377-1316-ND	112.60	94.00	—	WA-1541
	8.00 (203.2)	10.12 (257.05)	8.00 (203.2)	377-1317-ND	95.80	80.05	—	WA-1542
	11.00 (279.4)	11.12 (282.45)	18.00 (457.2)	377-1318-ND	153.60	128.25	—	WA-1543
Fig. 20 — Converta Boxes								
Natural	2.00 (50.8)	8.00 (203.2)	4.00 (101.6)	377-1221-ND	14.40	—	12.00	CU-482-A
	2.50 (63.5)	9.50 (241.3)	5.00 (127)	377-1222-ND	15.80	—	13.20	CU-592-A
	2.50 (63.5)	12.00 (304.8)	6.00 (152.4)	377-1223-ND	20.80	—	17.34	CU-622-A

Style	Color	Dimensions - inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Fig. 21 — Plasticases								
1	Gray	1.53 (38.86)	5.08 (129.03)	5.30 (134.62)	377-1149-ND	13.30	11.10	PC-11402
		2.52 (64.01)	8.10 (205.74)	6.32 (160.53)	377-1150-ND	22.40	18.67	PC-11408
		2.56 (65.02)	10.24 (260.10)	7.09 (180.09)	377-1156-ND	32.80	27.35	PC-11482-A
	Black	4.02 (102.11)	9.72 (246.89)	8.66 (219.96)	377-1155-ND	58.20	48.55	PC-11438
2	Gray	3.30 (83.82)	6.12 (155.49)	6.32 (160.53)	377-1151-ND	21.00	17.50	PC-11410
		3.30 (83.82)	8.10 (205.74)	6.32 (160.53)	377-1152-ND	24.30	20.30	PC-11412
		4.04 (102.62)	6.12 (155.49)	6.32 (160.53)	377-1153-ND	22.10	18.45	PC-11414
		4.04 (102.62)	8.10 (205.74)	6.32 (160.53)	377-1154-ND	25.80	21.55	PC-11416



- *Lowest Cost*
- *Sturdy Welded Construction*

Bud Industries, Inc.

Bud's ValuRack — The Lowest Cost Welded Rack Available Guaranteed to Ship in 48 Hours or Bud Industries will PAY THE FREIGHT

ValuRack

Bud Ind. Part No.	Panel Space	Overall Size H x W x D	Clear Inside Depth	Weight Lbs.
VR-8924*	61.25"	66.56" x 22.00" x 26.00"	24.00"	106
VR-8925*	70.00"	75.31" x 22.00" x 26.00"	24.00"	114
VR-8926*	78.75"	84.06" x 22.00" x 26.00"	24.00"	121

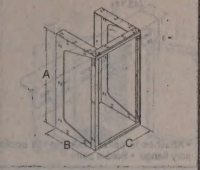
*Due to weight and size, product will be drop shipped from Bud Industries direct to our customers. Call Digi-Key for further information.

Bud's Quick-Pick Cabinet Accessory Chart

Description	Digi-Key Part No.	Price Each 1	10	20	Bud Ind. Part No.
Mounting Rail for 61.25" Panel Space (1 pr.)	PMR-9452-ND	92.20	—	—	PMR-9452
Mounting Rail for 70" Panel Space (1 pr.)	377-1413-ND	120.70	90.70	80.65	PMR-9453
Mounting Rail for 78.72" Panel Space (1pr.)	PMR-9454-ND	106.90	—	—	PMR-9454
Casters (1 pr.)	377-1264-ND	32.90	27.40	24.65	RC-7758-PR
Leveler Kit for Economizer Racks	377-1267-ND	46.00	—	—	RL-7770
Power Strip – Rack Mounted (Front)	377-1414-ND	66.00	46.25	39.60	POS-194-S
Shelf – Stationary and Vented	377-1307-ND	83.20	52.00	47.85	SH-2384
Shelf – Stationary and Solid	377-1306-ND	89.30	55.80	51.35	SH-2382
Shelf – Sliding and Vented	377-1415-ND	146.40	102.50	84.20	SH-2392
Shelf – Sliding and Solid	377-1416-ND	144.00	100.80	82.80	SH-2388
Fan Tray	377-1227-ND	235.50	164.85	147.21	FT-1170-MG
Fans for Tray	377-1225-ND	46.88	28.15	26.25	FN-1280
Blower	B-60-ND	469.05	—	—	B-60
Panel – 1U	377-1247-ND	10.35	8.65	8.24	PA-1101-MG
Panel – 2U	377-1248-ND	14.40	12.00	11.52	PA-1102-MG
Panel – 2U	377-1249-ND	19.70	16.40	15.76	PA-1103-MG

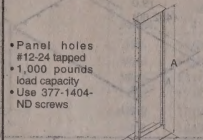
The Right Rack for Every Cabinet Project

Fig. 1 — Open Racks Swing Frame



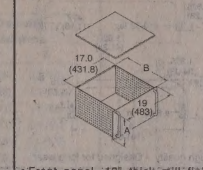
• Left or right hand hinge • Velcro cable straps included • 75pounds load capacity • Use 377-1404-ND screws • Black texture

Fig. 2 — Aluminum Open Racks



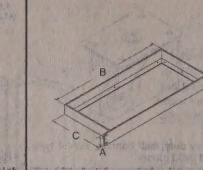
• Panel holes #12-24 tapped • 1,000 pounds load capacity • Use 377-1404-ND screws

Fig. 3 — Rack Mount Chassis



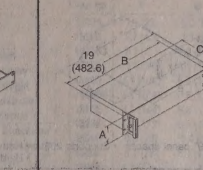
• Front panel .12" thick mill finish aluminum with "Surface Shield" protection • Side panels are punched on a .87" grid • Handles and covers sold separately

Fig. 4 — Small Rack Mount Chassis



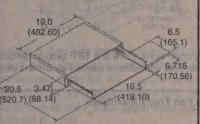
• Panels .10" thick aluminum; chassis .05" thick aluminum • Covers sold separately

Fig. 5 — ValuLine Cabinets



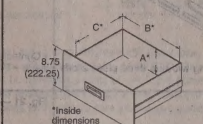
• Side and front panels .09" aluminum; base, rear and top .05" aluminum • 25 lbs. load capacity • Rack mounting brackets and rubber feet included

Fig. 6 — Keyboard/Mouse Shelf



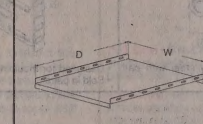
Fits 19" panel • Mouse pad slides underneath right or left • Takes up 2-U of panel space

Fig. 7 — Sliding Drawer



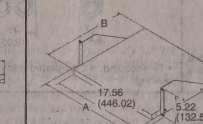
• Fits 19" panel • Supports heavy loads, even when fully extended

Fig. 8 — Stationary Shelves



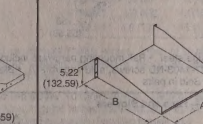
• Fits 19" wide panel spaces • Supports up to 200 pounds • Requires two pairs of panel mounting rails per cabinet

Fig. 9 — Adjustable Shelf



• Fits 19" panel spaces • Adjustable for depth within rack • Supports 150 pounds

Fig. 10 — Equipment Shelves



• Fits 19" panel spaces • One piece construction • Supports 150 pounds

pen Racks

Color	Dimensions - Inch (cm) A	B	C	Digi-Key Part No	Price Each 1	5	Bud Ind. Part No.
Fig. 1 — Open Racks Swing Frame – Knockdown Assembly							
Black	38.00 (96.52)	21.25 (53.98)	18.00 (45.72)	377-1299-ND	174.10	130.60	SF-2194

Color	Dimensions - Inch (cm) A	Panel Space	Digi-Key Part No.	Price Each 1	5	Bud Ind. Part No.
Fig. 2 — Aluminum Open Racks						
Black	84.00 (213.36)	77.00 x 19.00 (195.58 x 48.26)	377-1196-ND	176.40	147.30	ARR-1272-BT
Natural	84.00 (213.36)	77.00 x 19.00 (195.58 x 48.26)	377-1197-ND	165.90	138.55	ARR-1272-NF

ack Mount Chassis

Dimension A Inch (mm)	Dimension B Inch (mm)	Handles	Digi-Key Part No.	Price Each 1	5	10	Bud Ind. Part No.
Fig. 3 — Rack Mount Chassis							
.25 (133.35)	17.06 (433.32)	H-9160-B	377-1268-ND	64.80	54.10	48.70	RM-14212
7.00 (177.8)	17.06 (433.32)	H-9111-B	377-1269-ND	74.20	61.95	55.75	RM-14213
.25 (133.35)	22.00 (558.8)	H-9160-B	377-1392-ND	73.00	60.95	54.85	RM-14222
7.00 (177.8)	22.00 (558.8)	H-9111-B	377-1393-ND	85.60	71.50	64.35	RM-14223
.75 (222.25)	22.00 (558.8)	H-9112-B	377-1394-ND	104.30	87.10	78.40	RM-14224
0.50 (266.7)	22.00 (558.8)	H-9113-B	377-1395-ND	124.30	103.80	93.40	RM-14225

Description	Fits Chassis	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Rack Mount Chassis Covers					
Solid Top or Bottom Cover	RM-14212-13	377-1310-ND	29.60	24.75	TBC-14252
Ventilated Top or Bottom Cover		377-1311-ND	33.10	27.65	TBC-14262
Solid Top or Bottom Cover	RM-14222-25	377-1396-ND	33.60	28.10	TBC-14253
Ventilated Top or Bottom Cover		377-1397-ND	35.50	29.70	TBC-14263

Dimensions - A x B x C Inch (mm)	Fits Rack Inch (mm)	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Fig. 4 — Small Rack Mount Chassis					
1.75 x 17.00 x 4.00 (44.45 x 431.8 x 101.6)	19.00 (482.6)	377-1205-ND	27.90	23.30	CH-14400
1.75 x 17.00 x 8.00 (44.45 x 431.8 x 203.2)	19.00 (482.6)	377-1206-ND	41.60	34.75	CH-14401
1.75 x 17.00 x 16.00 (44.45 x 431.8 x 406.4)	19.00 (482.6)	377-1207-ND	60.00	50.15	CH-14402
3.50 x 17.00 x 8.00 (88.9 x 431.8 x 203.2)	19.00 (482.6)	377-1208-ND	61.40	51.25	CH-14403
3.50 x 17.00 x 16.00 (88.9 x 431.8 x 203.2)	19.00 (482.6)	377-1209-ND	78.80	65.80	CH-14404

Description	Fits Chassis	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Small Rack Mount Chassis Covers					
Ventilated Top or Bottom Cover	CH-14400	377-1417-ND	9.80	8.20	C-14430
Solid Top or Bottom Cover		377-1420-ND	7.20	6.00	C-14440
Ventilated Top or Bottom Cover	CH-14401, 03	377-1418-ND	16.50	13.80	C-14431
Solid Top or Bottom Cover		377-1421-ND	11.40	9.50	C-14441
Ventilated Top or Bottom Cover	CH-14402, 04	377-1419-ND	26.40	22.05	C-14432
Solid Top or Bottom Cover		377-1422-ND	19.40	16.20	C-14442

Dimensions - A x B x C Inch (mm)	Fits Rack Inch (mm)	Digi-Key Part No.	Price Each 1	5	Bud Ind. Part No.
Fig. 5 — ValuLine Series Cabinets (with handles)					
3.50 x 17.00 x 8.00 (88.9 x 431.8 x 203.2)	19.00 (482.6)	377-1238-ND	97.00	81.00	HC-14099
3.50 x 17.00 x 13.00 (88.9 x 431.8 x 330.2)	19.00 (482.6)	377-1239-ND	188.90	157.70	HC-14101
5.25 x 17.00 x 13.00 (133.35 x 431.8 x 330.2)	19.00 (482.6)	377-1240-ND	194.70	162.60	HC-14103
7.00 x 17.00 x 13.00 (177.8 x 431.8 x 330.2)	19.00 (482.6)	377-1241-ND	204.40	170.70	HC-14104
8.75 x 17.00 x 13.00 (222.25 x 431.8 x 330.2)	19.00 (482.6)	377-1242-ND	214.20	178.85	HC-14105
10.50 x 17.00 x 15.00 (266.7 x 431.8 x 381)	19.00 (482.6)	377-1243-ND	239.60	200.05	HC-14107

Accessories

Color	Maximum Panel Keyboard Width – Inch (cm)	Digi-Key Part No.	Price Each 1	10	Bud Ind. Part No.
Fig. 6 — Keyboard/Mouse Shelf					
Black	19.0 x 16.5 (48.26 x 41.91)	377-1244-ND	180.00	150.30	KS-1785-BT

Color	Dimensions - Inch (cm) A	B	C	Digi-Key Part No.	Price Each 1	5	Bud Ind. Part No.
Fig. 7 — Sliding Drawer (inside dimensions)							
Black	6.31 (16.03)	16.56 (42.06)	19.18 (48.72)	377-1224-ND	268.50	224.20	D-1723-BT

Color	Dimensions - Inch (cm) Width	Depth	Digi-Key Part No.	Price Each 1	3	5	Bud Ind. Part No.
Fig. 8 — Stationary Shelves-Non Ventilated							
Black	17.90 (45.47)	26.50 (67.31)	377-1306-ND	89.30	66.90	62.50	SH-2382
	17.90 (45.47)	19.25 (48.90)	377-1188-ND	79.40	59.50	55.60	60-2380
	17.90 (45.47)	22.75 (57.79)	377-1189-ND	83.40	62.50	58.40	60-2381
	17.00 (43.18)	17.75 (45.09)	377-1416-ND†	144.00	—	107.90	SH-2388
Fig. 8 — Stationary Shelves-Ventilated							
Black	17.90 (45.47)	17.75 (45.09)	377-1307-ND	83.20	62.35	58.25	SH-2384
	17.90 (45.47)	21.25 (53.98)	377-1308-ND	86.30	64.65	60.40	SH-2385
	17.90 (45.47)	26.50 (67.31)	377-1309-ND	93.50	70.05	65.45	SH-2386
	17.00 (43.18)	17.75 (45.09)	377-1415-ND†	146.40	—	109.70	SH-2392

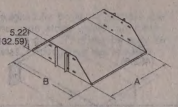
† Sliding Shelf

Color	Dimensions - Inch (cm) A	B	Digi-Key Part No.	Price Each 1	10	50	Bud Ind. Part No.
Fig. 9 — Adjustable Shelf-Open Rack							
Black	17.62 (44.75)	20.00 (50.80)	377-1290-ND	108.90	90.90	81.81	SA-1279-BT
Fig. 10 — Equipment Shelves-Open Rack-Non Ventilated							
Black	17.62 (44.75)	15.00 (38.10)	377-1291-ND	73.60	61.45	55.30	SA-1750-BT
	17.62 (44.75)	20.00 (50.80)	377-1293-ND	88.00	73.50	66.15	SA-1752-BT
Fig. 10 — Equipment Shelves-Open Rack-Ventilated							
Black	17.62 (44.75)	15.00 (38.10)	377-1292-ND	80.40	67.15	60.45	SA-1751-BT
	17.62 (44.75)	20.00 (50.80)	377-1294-ND	95.40	79.65	71.70	SA-1753-BT
Fig. 11 — Open Rack Shelf-Non Ventilated							
Black	17.62 (44.75)	19.00 (48.26)	377-1295-ND	92.80	77.50	69.75	SA-1765-BT

Wheel Description	Dimension A Inch (mm)	Load Rating	Digi-Key Part No.	Price Each 1	10	50	Bud Ind. Part No.
Fig. 12 — Casters (Sold in Pairs)							
Composition	3.25 (82.55)	200 lbs.	377-1264-ND	32.90	27.40	21.90	RC-7758-PR
Rubber with Brake	5.13 (130.18)	240 lbs.	377-1265-ND	77.50	64.60	58.16	RC-7761-PR
Rubber	5.13 (130.18)	240 lbs.	377-1266-ND	67.00	55.85	50.25	RC-7762-PR

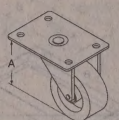
(Continued)

Fig. 11 — Open Rack Shelf



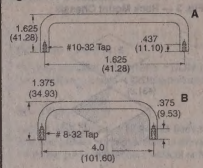
• Fits 19" panel spaces • Supports 200 pounds

Fig. 12 — Casters



• Heavy duty, ball bearing, swivel type • Hard tread rubber

Fig. 13 — Handles



• High quality • Designed for long wear

Fig. 14 — Panels

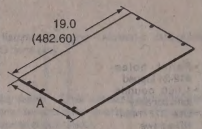
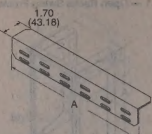
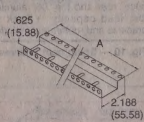


Fig. 15 — Chassis Support Brackets



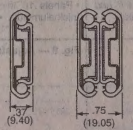
• Attaches to panel mounting rail accessory flange • Sold in pairs

Fig. 16 — Panel Mounting Rails



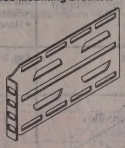
• 12 gauge steel • Rail mounting hardware included (Use 377-1403-ND screws, sold separately) • Black finish • Sold in pairs

Fig. 17 — Slides



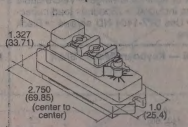
• Telescoping • Zinc-plated alloy steel with ball bearings

Fig. 18 — Slide Mounting Brackets



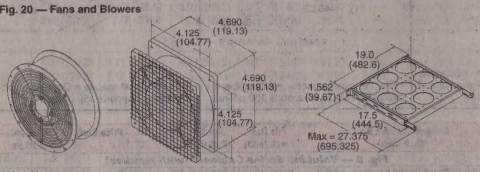
• Designed for mounting two and three piece slides • Sold in pairs

Fig. 19 — Tem-Stat Temperature Control



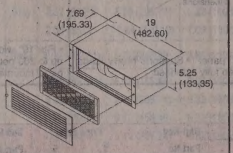
• Contacts open when there is a 10°F drop in temperature • Prevents shut-downs caused by overheating

Fig. 20 — Fans and Blowers



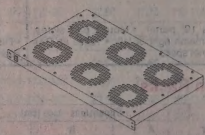
FN-1280: • Mounts in FT-1170 fan tray or can be used for individual applications • Supplied with finger guard • UL approved, 105 CFM

FN-1282: • Mounts in top of ventilated Economizer racks • Supplied with finger guard • UL/CSA rated, 535 CFM



• 19" panel width with standard EIA notching for rack mounting • Motors are UL and CSA approved for 115VAC, 50/60Hz

Fig. 21 — Fan Tray Assemblies



• Standard EIA 19.00" x 1-U (1.75") panel mounting • 115VAC • 7' long, three prong, power cord

Dimensions - Inch (mm)			Digi-Key	Price Each			Bud Ind.
Hand Clearance	Mounting Center	Diameter	Part No.	1	10	100	Part No.
Fig. 13A — Chrome Plated Handles							
1.25 (31.75)	6.00 (152.4)	.37 (9.398)	377-1228-ND*	8.30	6.95	6.25	H-9110-B
.93 (23.62)	4.00 (101.6)	.37 (9.398)	377-1229-ND*	6.40	5.30	4.75	H-9111-B
.93 (23.62)	6.00 (152.4)	.37 (9.398)	377-1230-ND*	7.80	6.50	5.85	H-9112-B
.93 (23.62)	8.00 (203.2)	.37 (9.398)	377-1231-ND	10.60	8.85	7.95	H-9113-B
1.50 (38.1)	8.00 (203.2)	.50 (12.7)	377-1232-ND†	16.50	13.80	12.40	H-9114-B
1.68 (3.36)	3.50 (88.9)	.37 (9.398)	377-1233-ND†	12.40	10.35	9.30	H-9160-B
1.68 (3.36)	5.25 (133.35)	.37 (9.398)	377-1234-ND†	10.60	8.90	8.00	H-9161-B
1.00 (25.4)	1.90 (48.26)	.25 (6.35)	377-1235-ND§	6.00	5.00	4.50	H-9166-B
1.00 (25.4)	3.00 (76.2)	.25 (6.35)	377-1236-ND§	5.70	4.70	4.25	H-9168-B

* Includes 2 - #10-32 x .37" screws. † Includes 2 - #6-32 x .50" screws. § Includes 2 - 1/4"-28 Hex nuts.

Dimensions - Inch (mm)		Digi-Key	Price Each			Bud Ind.
Hand Clearance	Mounting Center	Part No.	1	10	100	Part No.
Fig. 13B — Clear Anodized Aluminum Handle						
1.09 (27.69)	4.00 (101.6)	377-1237-ND*	10.85	9.05	8.15	H-9174-B

* Includes 2-8.32 x .37" screws

Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1	10	50	Bud Ind. Part No.
Fig. 14 — 19" Aluminum Surface Shield Panels - .12" Thick					
1.75 (44.45)	377-1300-ND	9.50	7.95	7.15	SFA-1831
3.50 (88.9)	377-1301-ND	13.90	11.55	10.40	SFA-1832
5.25 (133.35)	377-1302-ND	17.80	14.90	13.40	SFA-1833
7.00 (177.8)	377-1303-ND	22.80	19.05	17.15	SFA-1834
8.75 (222.25)	377-1304-ND	25.00	20.85	18.75	SFA-1835
10.50 (266.7)	377-1305-ND	32.40	27.00	24.30	SFA-1836
Fig. 14 — 19" Aluminum Panels - .12" Thick (Gray)					
1.75 (44.45)	377-1247-ND	10.35	8.65	7.80	PA-1101-MG
3.50 (88.9)	377-1248-ND	14.40	12.00	10.80	PA-1102-MG
5.25 (133.35)	377-1249-ND	19.70	16.40	14.75	PA-1103-MG
7.00 (177.8)	377-1250-ND	24.50	20.50	18.45	PA-1104-MG
8.75 (222.25)	377-1251-ND	29.70	24.80	22.30	PA-1105-MG
10.50 (266.7)	377-1252-ND	37.70	31.50	28.35	PA-1106-MG
12.25 (311.15)	377-1253-ND	41.40	34.50	31.05	PA-1107-MG
14.00 (355.6)	377-1254-ND	46.10	38.45	34.60	PA-1108-MG
Fig. 15 — Chassis Support Brackets (Sold in Pairs)					
13.00 (330.2)	377-1213-ND	30.30	25.30	22.75	CSB-1352
16.00 (406.4)	377-1214-ND	32.80	27.38	24.66	CSB-1353
23.00 (584.2)	377-1215-ND	35.50	29.63	26.69	CSB-1354

Dimension A Inch (cm)	Digi-Key Part No.	Price Each 1	5	10	Bud Ind. Part No.
Fig. 16 — Panel Mounting Rails (Sold in Pairs)					
70.0 (177.80)	377-1413-ND	120.70	100.80	90.70	PMR-9453

Dimensions - Inch (cm)		Load Rating	Digi-Key	Price Each			Bud Ind.
Slide Length	Travel	(per pair)	Part No.	1	3	5	Part No.
Fig. 17 — Sliding Mechanisms - 2 Piece Slide							
12 (30.48)	8 (20.32)	140 lbs.	377-1199-ND	30.50	25.45	22.90	AS-5000-
16 (40.64)	12 (30.48)	120 lbs.	377-1200-ND	40.10	33.50	30.15	AS-5001-
20 (50.80)	15 (38.10)	92 lbs.	377-1201-ND	42.00	35.10	31.60	AS-5002-
26 (66.04)	19 (48.26)	70 lbs.	377-1202-ND	46.40	38.75	34.90	AS-5004-
20 (50.80)	20.875 (53.02)	91 lbs.	377-1203-ND*	91.00	76.00	68.40	AS-5042-

* 3 piece slide full extension

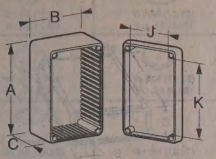
Description	Digi-Key Part No.	Price Each 1	3	5	Bud Ind. Part No.
Fig. 18 — Slide Mounting Brackets (Sold in Pairs)					
Universal Kit	377-1204-ND	30.20	25.05	22.55	BAS-5106

Description	Digi-Key Part No.	Price Each 1	5	10	Bud Ind. Part No.
Fig. 19 — Tem-Stat Temperature Control					
Normally Open; Closes on Temperature Rise	377-1314-ND	23.70	—	17.80	TS-15
Rack Mount Power Outlet Strip					
15 Amps	377-1414-ND	66.00	49.50	46.25	POS-194-S
Mounting Hardware					
10-32 X .62" Phillips Screw Truss Head	377-1403-ND		4.00/25		7346
10-32 X .62" Phillips Screw with Pilot, Black	377-1409-ND		7.00/25		7346B
10-32 Cage Nut, Zinc-Plated	377-1405-ND		21.25/25		295
12-24 X .5" Phillips Screw Truss Head	377-1404-ND		5.00/25		9260
Fig. 20 — Fans and Blowers					
Tubeaxial, 110V, .21 Amps	377-1225-ND	46.88	37.50	28.15	FN-1280
Exhaust, 10 inch, 115VAC	377-1226-ND	179.60	134.70	125.70	FN-1282
Fan Tray Assembly	377-1227-ND*	235.50	176.65	164.85	FT-1170-MD
Blower, 115VAC	377-1411-ND	642.00	481.57	449.43	B-62
Fig. 21 — Fan Tray Assemblies					
Assembly with 3 Fans, Total CFM 315	377-1423-ND	205.80	149.20	144.05	FT-1973
Assembly with 6 Fans, Total CFM 630	377-1424-ND	316.60	229.55	221.60	FT-1976
Assembly with 9 Fans, Total CFM 945	377-1425-ND	415.30	301.10	290.70	FT-1979

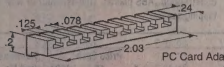
* Fans sold separately, part number 377-1225-ND.

K

1 – Plastic Instrument Enclosures - 1591 Series



Lid adds 4mm to height of box. For dimensions A, B and C, see charts below.

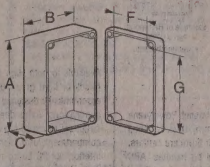


PC Card Adapter

Part No.	Dimension Inch (mm) J	K
1591L	1.4 (36)	2.5 (64)
1591A	1.1 (28)	3.1 (79)
1591B	1.6 (41)	3.5 (89)
1591C	1.7 (43)	3.9 (99)
1591D	2.3 (58)	5.0 (127)
1591E	3.5 (89)	6.6 (168)
1591G	2.8 (71)	3.9 (99)
1591H	1.9 (48)	5.6 (142)
1591M	1.3 (33)	2.5 (64)
1591S	2.4 (61)	3.5 (89)
1591T	2.3 (58)	3.9 (99)
1591U	3.9 (99)	3.9 (99)
1591V	3.9 (99)	3.9 (99)

ilable in both High Impact Polystyrene (black) and in Flame Retardant ABS (black, blue, translucent blue, ight gray). Economical styrene versions come with four self-tapping #4 x 1/2" (12.7mm) philips screws mtersunk into the lid. ABS versions carry a UL flammability rating of 94V-0 at 1.47mm thickness and a tinuous use temperature rating of 60°C. ABS versions come with M3 x .5 x 10mm Phillips head screws, mtersunk lid and integral tapped brass bushings. Both versions have integral card guides to accept .062" 57mm) PC cards.

Fig. 2 – Diecast Aluminum Enclosures - 1590 Series



Lid adds 4mm to height of box (except for 1500Z Series). For dimensions A, B, and C, see charts below.

Lid Height for 1590 Heavy Duty Watertight Diecast Aluminum Alloy Enclosure Part No.	Dimension Inch (mm)
1590Z100	0.5 (13)
1590Z110	0.5 (13)
1590Z120	0.6 (15)
1590Z130	0.5 (13)
1590Z135	0.8 (20)
1590Z150	0.8 (20)
1590Z160	0.8 (20)

Part No.	Dimension - Inch (mm) F	G
1590A	0.9 (23)	3.0 (76)
1590B	1.7 (43)	3.8 (97)
1590BB	3.1 (77)	4.0 (102)
1590C	3.1 (77)	4.1 (104)
1590D	4.1 (104)	6.8 (173)
1590DD	4.1 (104)	6.8 (173)
1590E	4.1 (104)	6.8 (173)
1590F	6.8 (173)	6.8 (173)
1590H	0.9 (23)	1.4 (36)
1590J	3.1 (79)	5.1 (130)
1590K	4.3 (109)	4.3 (109)
1590LB	1.4 (36)	1.4 (36)
1590P1	2.9 (74)	5.4 (137)
1590S	2.6 (66)	3.7 (94)
1590T	2.5 (64)	4.1 (104)
1590U	4.1 (104)	4.1 (104)
1590V	4.1 (104)	4.1 (104)
1590G	1.3 (33)	3.3 (84)
1590N1	1.9 (48)	4.1(104)
1590R1	4.0 (102)	6.9 (175)

1590 Series: Drilled and tapped with lid and 6-32 x 1/2" (12.7mm) countersunk Phillips screws. Choice of standard, flanged or watertight lid. Interlocking flanged lid provides complete RF shielding. Watertight lid has a clear bead of rubberlike silicon around the perimeter to provide protection against dust and water.

1590Z Series: Watertight, heavy duty - thick wall. Two piece "tongue and groove" construction with a neoprene gasket provides protection against dust and water. Four recessed stainless steel machine screws and individual neoprene "O" rings secure lid. Optional M4 x 6mm copper grounding screws with designated enclosures. Designed to meet IP65.

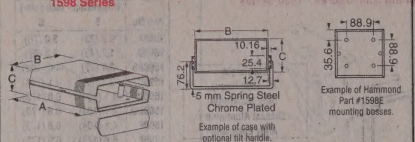
	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	Hammond Part No.
Fig. 1 - 1591 Economy Styrene Plastic Enclosures								
	3.3 (85)	2.2 (56)	1.4 (35)	HM100-ND	3.42	2.85	2.63	1591LSBK
	3.3 (85)	2.2 (56)	0.8 (21)	HM361-ND	2.88	2.40	2.22	1591MSBK
	3.9 (100)	2.0 (50)	0.8 (21)	HM102-ND	3.18	2.65	2.45	1591ASBK
	4.3 (110)	3.2 (82)	1.6 (41)	HM109-ND	4.64	3.87	3.57	1591SSBK
	4.4 (112)	2.4 (62)	1.1 (27)	HM103-ND	3.44	2.87	2.65	1591BSBK
	4.7 (120)	2.6 (65)	1.4 (36)	HM104-ND	3.84	3.03	2.80	1591CSBK
	4.7 (120)	3.2 (80)	2.2 (56)	HM110-ND	5.10	4.25	3.92	1591TSBK
	4.7 (120)	4.7 (120)	2.2 (56)	HM111-ND	5.48	4.57	4.22	1591USBK
	4.7 (120)	4.7 (120)	3.5 (90)	HM112-ND	6.56	5.47	5.05	1591VSBK
	4.8 (121)	3.7 (94)	1.2 (30)	HM107-ND	4.32	3.60	3.32	1591GSBK
	5.9 (150)	3.2 (80)	1.8 (46)	HM105-ND	5.42	4.52	4.17	1591DSBK
	6.5 (165)	2.8 (71)	1.0 (25)	HM108-ND	4.30	3.58	3.31	1591HSBK
	7.5 (191)	4.3 (110)	2.2 (56)	HM106-ND	6.48	5.40	4.98	1591ESBK
Fig. 1 - 1591 ABS Flame Retardant Plastic Enclosures								
	3.3 (85)	2.2 (56)	1.4 (35)	HM113-ND	5.46	4.55	4.20	1591LBK
	3.3 (85)	2.2 (56)	0.8 (21)	HM362-ND	4.32	3.60	3.32	1591MBK
	3.3 (85)	2.2 (56)	1.4 (35)	HM347-NDΔ	5.74	4.78	4.42	1591LFLBK
	3.3 (85)	2.2 (56)	0.8 (21)	HM848-NDΔ	4.54	3.78	3.49	1591MFLBK
	3.9 (100)	2.0 (50)	0.8 (21)	HM114-ND	5.08	4.23	3.91	1591ABK
	3.9 (100)	2.0 (50)	0.8 (21)	HM858-NDΔ	5.34	4.45	4.11	1591AFLBK
	4.3 (110)	3.2 (82)	1.6 (41)	HM849-NDΔ	7.76	6.47	5.97	1591SFLBK
	4.3 (110)	3.2 (82)	1.6 (41)	HM121-ND	7.40	6.17	5.69	1591SBK
	4.4 (112)	2.4 (62)	1.1 (27)	HM850-NDΔ	5.78	4.82	4.45	1591BFLBK
	4.4 (112)	2.4 (62)	1.1 (27)	HM115-ND	5.50	4.58	4.23	1591BBK
	4.7 (120)	4.7 (120)	3.5 (90)	HM854-NDΔ	11.00	9.17	8.46	1591VFLBK
	4.7 (120)	4.7 (120)	2.2 (56)	HM853-NDΔ	9.20	7.67	7.08	1591UFLBK
	4.7 (120)	2.6 (65)	1.4 (36)	HM851-NDΔ	6.14	5.12	4.72	1591CFLBK
	4.7 (120)	3.2 (80)	2.2 (56)	HM852-NDΔ	8.58	7.15	6.60	1591TFLBK
	4.8 (121)	3.7 (94)	1.2 (30)	HM855-NDΔ	7.26	6.05	5.58	1591GFLBK
	4.7 (120)	2.6 (65)	1.4 (36)	HM116-ND	5.86	4.88	4.51	1591CBK
	4.7 (120)	3.2 (80)	2.2 (56)	HM122-ND	8.18	6.82	6.29	1591TBK
	4.7 (120)	4.7 (120)	2.2 (56)	HM123-ND	8.76	7.30	6.74	1591UBK
	4.7 (120)	4.7 (120)	3.5 (90)	HM124-ND	10.48	8.73	8.06	1591VBK
	4.8 (121)	3.7 (94)	1.2 (30)	HM119-ND	6.92	5.77	5.32	1591GBK
	5.9 (150)	3.2 (80)	1.8 (46)	HM856-NDΔ	9.08	7.57	6.98	1591DFLBK
	5.9 (150)	3.2 (80)	1.8 (46)	HM117-ND	8.66	7.22	6.66	1591DBK
	6.5 (165)	2.8 (71)	1.0 (25)	HM120-ND	6.88	5.73	5.29	1591HBK
	6.5 (165)	2.8 (71)	1.0 (25)	HM859-NDΔ	7.22	6.02	5.55	1591HFLBK
	7.5 (191)	4.3 (110)	2.2 (56)	HM857-NDΔ	10.31	8.83	8.15	1591EFLBK
	7.5 (191)	4.3 (110)	2.2 (56)	HM118-ND	10.38	8.65	7.98	1591EBK
	3.3 (85)	2.2 (56)	1.4 (35)	HM125-ND	5.46	4.78	4.42	1591LBU
	3.3 (85)	2.2 (56)	0.8 (21)	HM363-ND	4.32	3.60	3.32	1591MBU
	3.9 (100)	2.0 (50)	0.8 (21)	HM126-ND	5.08	4.23	3.91	1591ABU
	4.3 (110)	3.2 (82)	1.6 (41)	HM134-ND	7.40	6.17	5.69	1591SBU
	4.4 (112)	2.4 (62)	1.1 (27)	HM127-ND	5.50	4.58	4.23	1591BBU
	4.7 (120)	2.6 (65)	1.4 (36)	HM128-ND	5.86	4.88	4.51	1591CBU
	4.7 (120)	3.2 (80)	2.2 (56)	HM135-ND	8.18	6.82	6.29	1591TBU
	4.7 (120)	4.7 (120)	2.2 (56)	HM136-ND	8.76	7.30	6.74	1591UBU
	4.7 (120)	4.7 (120)	3.5 (90)	HM137-ND	10.48	8.73	8.06	1591VBU
	4.8 (121)	3.7 (94)	1.2 (30)	HM132-ND	6.92	5.77	5.32	1591GBU
	5.9 (150)	3.2 (80)	1.8 (46)	HM129-ND	8.66	7.22	6.66	1591DBU
	6.5 (165)	2.8 (71)	1.0 (25)	HM133-ND	6.88	5.73	5.29	1591HBU
	7.5 (191)	4.3 (110)	2.2 (56)	HM131-ND	10.38	8.65	7.98	1591EBU
	3.3 (85)	2.2 (56)	1.4 (35)	HM138-ND	5.46	4.55	4.20	1591LGY
	3.3 (85)	2.2 (56)	0.8 (21)	HM364-ND	4.32	3.60	3.32	1591MGY
	3.9 (100)	2.0 (50)	0.8 (21)	HM139-ND	5.08	4.23	3.91	1591AGY
	4.3 (110)	3.2 (82)	1.6 (41)	HM146-ND	7.40	6.17	5.69	1591SGY
	4.4 (112)	2.4 (62)	1.1 (27)	HM149-ND	5.50	4.58	4.23	1591BGY
	4.7 (120)	2.6 (65)	1.4 (36)	HM141-ND	5.86	4.88	4.51	1591CGY
	4.7 (120)	3.2 (80)	2.2 (56)	HM147-ND	8.18	6.82	6.29	1591TGY
	4.7 (120)	4.7 (120)	2.2 (56)	HM148-ND	8.76	7.30	6.74	1591UGY

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	Hammond Part No.
Light Gray	4.7 (120)	4.7 (120)	3.5 (90)	HM149-ND	10.48	8.73	8.06	1591VGY
	4.8 (121)	3.7 (94)	1.2 (30)	HM144-ND	6.92	5.77	5.32	1591GGY
	5.9 (150)	3.2 (80)	1.8 (46)	HM142-ND	8.66	7.22	6.66	1591DGY
	6.5 (165)	2.8 (71)	1.0 (25)	HM145-ND	6.88	5.73	5.29	1591HGY
	7.5 (191)	4.3 (110)	2.2 (56)	HM143-ND	10.38	8.65	7.98	1591EGY
Fig. 1 - 1591 Translucent Polycarbonate Enclosures								
Ice Blue	3.9 (100)	2.0 (50)	0.8 (21)	HM878-ND	5.58	4.65	4.30	1591ATBU
	4.4 (112)	2.4 (62)	1.1 (27)	HM876-ND	6.06	5.05	4.67	1591BTBU
	4.7 (120)	2.6 (65)	1.4 (36)	HM877-ND	6.44	5.37	4.96	1591CTBU
	5.9 (150)	3.2 (80)	1.8 (46)†	HM989-ND **NEW!**	9.71	8.09	7.47	1591DTBU
	7.5 (191)	4.3 (110)	2.2 (57)†	HM985-ND **NEW!**	11.65	9.71	8.96	1591ETBU
Red	3.9 (100)	2.0 (50)	0.8 (21)†	HM986-ND **NEW!**	5.69	4.74	4.38	1591ATRD
	4.4 (112)	2.4 (62)	1.1 (27)†	HM987-ND **NEW!**	6.18	5.15	4.75	1591BTRD
	4.7 (120)	2.6 (65)	1.4 (36)†	HM988-ND **NEW!**	6.57	5.47	5.05	1591CTRD
	5.9 (150)	3.2 (80)	1.8 (46)†	HM990-ND **NEW!**	9.71	8.09	7.47	1591DTRD
	7.5 (191)	4.3 (110)	2.2 (57)†	HM991-ND **NEW!**	11.65	9.71	8.96	1591ETRD
Clear	3.9 (100)	2.0 (50)	0.8 (21)†	HM957-ND **NEW!**	5.69	4.74	4.38	1591ATCL
	4.4 (112)	2.4 (62)	1.1 (27)†	HM958-ND **NEW!**	6.18	5.15	4.75	1591BTCL
	4.7 (120)	2.6 (65)	1.4 (36)†	HM959-ND **NEW!**	6.57	5.47	5.05	1591CTCL
	5.9 (150)	3.2 (80)	1.8 (46)†	HM960-ND **NEW!**	9.71	8.09	7.47	1591DTCL
	7.5 (191)	4.3 (110)	2.2 (57)†	HM961-ND **NEW!**	11.65	9.71	8.96	1591ETCL
Fig. 1 - PC Card Adapter								
PC Card Adapter for 1591 Boxes				HM204-ND	2.25	1.91	1.77	1591Z6
Fig. 2 - 1590 Diecast Aluminum Alloy Enclosures								
	1.97 (50)	1.97 (50)	0.83 (21)†	HM948-ND **NEW!**	7.14	5.95	5.49	1590LLB
	2.0 (51)	2.0 (51)	1.1 (28)	HM157-ND	7.44	6.20	5.72	1590LB
	2.1 (53)	1.5 (38)	1.1 (28)	HM365-ND	6.40	5.33	4.92	1590H
	3.6 (91)	1.5 (38)	1.1 (28)	HM150-ND	7.22	6.02	5.56	1590A
	3.62 (92)	3.62 (92)	1.5 (38)†	HM955-ND **NEW!**	10.20	8.50	7.85	1590Y
	3.9 (99)	2.0 (51)	0.8 (20)	HM841-ND	7.72	6.43	5.94	1590G
	4.4 (112)	3.2 (81)	1.6 (41)	HM158-ND	10.88	9.07	8.37	1590S
	4.4 (112)	2.3 (58)	1.1 (28)	HM151-ND	8.24	6.87	6.34	1590B
	4.7 (119)	3.7 (94)	1.2 (30)	HM152-ND	10.72	8.93	8.25	1590BB
	4.7 (119)	3.7 (94)	2.1 (53)	HM153-ND	12.06	10.05	9.28	1590C
Unpainted	4.7 (120)	4.7 (120)	1.1 (28)†	HM949-ND **NEW!**	12.75	10.63	9.11	1590Q
	4.7 (119)	4.7 (119)	2.2 (56)	HM160-ND	16.48	13.73	12.68	1590U
	4.7 (119)	4.7 (119)	3.5 (89)	HM161-ND	22.66	18.88	17.43	1590V
	4.7 (119)	3.1 (79)	2.2 (56)	HM159-ND	11.22	9.35	8.63	1590T
	4.8 (122)	2.6 (66)	1.4 (36)	HM842-ND	11.24	9.37	8.65	1590N1
	4.9 (124)	4.9 (124)	3.0 (76)	HM367-ND	20.60	17.17	15.85	1590K
	4.92 (125)	4.92 (125)	2.1 (53)†	HM947-ND **NEW!**	19.38	16.15	13.84	1590KK
	5.7 (145)	3.7 (94)	1.8 (45)	HM366-ND	12.66	10.55	9.74	1590J
	6.0 (152)	3.2 (81)	1.8 (45)	HM348-ND	14.72	12.27	11.32	1590P1
	7.4 (188)	4.7 (119)	2.1 (53)	HM154-ND	19.74	16.45	15.18	1590D
	7.4 (188)	4.7 (119)	3.1 (79)	HM155-ND	21.12	17.61	16.25	1590E
	7.4 (188)	7.4 (188)	2.5 (64)	HM156-ND	28.38	23.65	21.83	1590F
	7.4 (188)	4.7 (119)	1.3 (33)	HM347-NB	17.36	14.47	13.65	1590DD
	7.6 (193)	4.4 (112)	2.2 (56)	HM843-ND	23.62	19.68	18.17	1590R1
Fig. 2 - 1590 Flanged Lid Diecast Aluminum Alloy Enclosures								
	2.0 (51)	2.0 (51)	1.1 (28)	HM570-ND	8.18	6.82	6.29	1590LBFL
	3.7 (94)	1.5 (38)	1.1 (28)	HM571-ND	7.94	6.62	6.11	1590AFL
	3.9 (99)	2.0 (51)	0.8 (20)	HM879-ND	8.50	7.08	6.54	1590GFL
	4.4 (112)	3.2 (81)	1.6 (41)	HM575-ND	11.96	9.97	9.20	1590SFL
Unpainted	4.4 (112)	2.3 (58)	1.1 (28)	HM572-ND	9.06	7.55	6.97	1590BFL
	4.7 (120)	4.7 (120)	1.1 (28)†	HM950-ND **NEW!**	13.87	11.56	9.91	1590QFL
	4.7 (119)	4.7 (119)	2.2 (56)	HM580-ND	18.12	15.10	13.94	1590UFL
	4.7 (119)	4.7 (119)	3.5 (89)	HM583-ND	24.92	20.77	19.17	1590VFL
	4.7 (119)	3.7 (94)	2.1 (53)	HM578-ND	13.26	11.05	10.20	1590CFL
	4.7 (119)	3.7 (94)	1.2 (30)	HM573-ND	11.78	9.82	9.06	1590BFL

* With mounting shelf ‡ With lid ground screw Δ Flanged Lid
† Dimension "C" does not include lid height § Battery Compartment

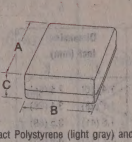
(Continued)

Fig. 3 – Plastic Instrument Cases - 1598 Series



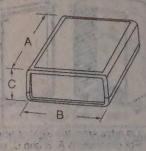
Available in both Flame Retardant ABS (black or light gray) and High Impact Polystyrene (light gray). Both versions have a matte textured finish, .064" (1.63mm) thick brushed aluminum front and rear panels, integral horizontal PC board mounts on Eurocard centers, front and rear vertical PC board slots. Both versions accept optional tilt handles. ABS versions carry a UL flammability rating of 94V-0 and are secured with M3 x .5 x 10mm Phillips head screws into integral brass bushings. Styrene versions are secured with #4 x 5/8" (15.9mm) self-tapping screws.

Fig. 4 – Plastic Hand Held Cases - 1599 Series



Available in both High Impact Polystyrene (light gray) and Flame Retardant ABS (black or light gray). Both versions have these features: attractively styled and ergonomically designed for use as a hand held enclosure; ends sized for infra-red applications; extra deep top and ultra shallow base; two piece lap joint construction; recessed top area ideal for membrane display; internal universal battery compartment; user friendly 10mm x 10mm reference grid is molded into the top interior; six PC board mounting bosses molded into both the top and the base; vertical mounting slots molded into the top for PC boards or optional dividers. ABS versions carry UL flammability rating of 94V-0 and are secured with integral tapped brass bushings. Styrene versions are secured with self-tapping screws.

Fig. 5 – Plastic Hand Held Instrument Boxes -1593 Series



Electronic instrument enclosures. Two-piece lap joint construction. ABS plastic. Unit is secured with self-tapping screws.

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	Hammond Part No.
Un-painted	4.7 (119)	3.1 (79)	2.2 (56)	HM579-ND	12.34	10.28	9.49	1590TFL
	4.8 (122)	2.6 (66)	1.4 (36)	HM881-ND	11.44	9.53	8.80	1590N1FL
	6.0 (152)	3.2 (81)	1.8 (45)	HM576-ND	16.20	13.50	12.46	1590P1FL
	7.4 (188)	4.7 (119)	2.1 (53)	HM577-ND	21.70	18.08	16.69	1590DFL
	7.4 (188)	7.4 (188)	2.5 (64)	HM581-ND	31.22	26.02	24.02	1590EFL
	7.4 (188)	4.7 (119)	3.1 (79)	HM582-ND	23.22	19.35	17.86	1590EFL
	7.4 (188)	4.7 (119)	1.3 (33)	HM574-ND	19.10	15.92	14.69	1590DDFL
	7.6 (193)	4.4 (112)	2.2 (56)	HM880-ND	26.00	21.67	20.00	1590R1FL
Fig. 2 - 1590 Watertight Diecast Aluminum Alloy Enclosures								
Un-painted	2.0 (51)	2.0 (51)	1.1 (28)	HM584-ND	8.14	6.78	6.26	1590WLB
	2.1 (53)	1.5 (38)	1.1 (28)	HM835-ND	7.14	5.95	5.49	1590WH
	3.6 (91)	1.5 (38)	1.1 (28)	HM585-ND	8.32	6.93	6.40	1590WA
	3.9 (99)	2.0 (51)	0.8 (20)	HM837-ND	7.72	6.43	5.94	1590WG
	1.97 (50)	1.97 (50)	0.83 (21)†	HM952-ND ***NEW!***	7.65	6.38	5.88	1590WLLB
	3.62 (92)	3.62 (92)	1.5 (38)†	HM954-ND ***NEW!***	11.83	9.86	9.10	1590WY
	4.4 (112)	3.2 (81)	1.6 (41)	HM589-ND	12.04	10.03	9.26	1590WS
	4.4 (112)	2.3 (58)	1.1 (28)	HM586-ND	9.44	7.87	7.26	1590WB
	4.7 (119)	3.7 (94)	1.2 (30)	HM587-ND	11.94	9.95	9.18	1590WBB
	4.7 (120)	4.7 (120)	1.1 (28)†	HM953-ND ***NEW!***	13.87	11.56	10.67	1590WD
	4.7 (119)	4.7 (119)	2.2 (56)	HM594-ND	17.92	14.93	13.78	1590WU
	4.7 (119)	4.7 (119)	3.5 (89)	HM587-ND	24.08	20.07	18.52	1590WV
	4.7 (119)	3.7 (94)	2.1 (53)	HM592-ND	13.20	11.00	10.15	1590WC
	4.7 (119)	3.1 (79)	2.2 (56)	HM593-ND	12.38	10.32	9.52	1590WT
	4.8 (122)	2.6 (66)	1.4 (36)	HM840-ND	13.28	11.07	10.22	1590WN1
	4.9 (124)	4.9 (124)	3.0 (76)	HM838-ND	22.06	18.38	16.97	1590WK
	4.92 (125)	4.92 (125)	2.1 (53)†	HM951-ND ***NEW!***	21.42	17.85	16.48	1590WKK
	5.7 (145)	3.7 (94)	1.8 (45)	HM839-ND	13.86	11.55	10.66	1590WJ
	6.0 (152)	3.2 (81)	1.8 (45)	HM590-ND	16.22	13.52	12.48	1590WP1
	7.4 (188)	4.7 (119)	2.1 (53)	HM591-ND	21.36	17.80	16.43	1590WD
	7.4 (188)	7.4 (188)	2.5 (64)	HM595-ND	30.58	25.48	23.52	1590WF
	7.4 (188)	4.7 (119)	3.1 (79)	HM596-ND	22.74	18.95	17.49	1590WE
	7.4 (188)	4.7 (119)	1.3 (33)	HM588-ND	19.02	15.85	14.63	1590WDD
	7.6 (193)	4.4 (112)	2.2 (56)	HM833-ND	26.00	21.67	20.00	1590WR1
Fig. 2 - 1590 Heavy Duty Watertight Diecast Aluminum Alloy Enclosures								
Un-painted	2.0 (50)	1.8 (46)	1.0 (25)	HM834-ND	8.44	7.14	6.63	1590Z060
	2.5 (64)	2.3 (58)	1.0 (25)	HM836-ND	11.42	9.66	8.97	1590Z061
	3.0 (76)	3.1 (79)	1.6 (41)†	HM598-ND*	16.67	14.11	13.10	1590Z100
	2.9 (75)	3.1 (80)	1.6 (41)†	HM599-ND	16.67	14.11	13.10	1590Z110
	3.9 (99)	2.5 (64)	1.0 (25)	HM831-ND	13.49	11.42	10.60	1590Z062
	4.8 (121)	4.7 (120)	2.4 (62)	HM597-ND	36.71	31.06	28.84	1590Z119
	4.9 (124)	3.2 (81)	1.7 (43)†	HM600-ND*	20.22	17.11	15.89	1590Z120
	5.9 (150)	2.5 (64)	1.0 (25)	HM832-ND	19.67	16.65	15.46	1590Z063
	6.3 (160)	6.3 (160)	2.8 (71)†	HM604-ND*‡	48.69	41.20	38.27	1590Z160
	6.9 (175)	3.2 (81)	1.6 (41)†	HM601-ND	23.96	20.28	18.83	1590Z130
	6.9 (175)	3.2 (81)	1.6 (41)†	HM602-ND‡	24.35	20.60	19.13	1590Z135
	8.7 (221)	4.8 (120)	2.4 (61)†	HM603-ND*	44.02	37.25	34.59	1590Z150
	7.9 (201)	9.1 (231)	3.6 (91)	HM846-ND	106.75	90.32	83.88	1590Z231
	10.2 (259)	6.3 (160)	2.8 (71)	HM844-ND	66.11	55.94	51.94	1590Z162
	14.17 (360)	6.3 (160)	2.76 (70)†	HM956-ND* ***NEW!***	104.84	88.71	82.38	1590Z166
Fig. 3 - 1598 ABS Flame Retardant 2-Piece Plastic Instrument Case								
Black	5.3 (135)	5.3 (135)	2.0 (50)	HM163-ND	11.00	9.17	8.46	1598BBK
	6.2 (157)	3.7 (94)	1.4 (36)	HM162-ND	10.02	8.35	7.71	1598ABK
	6.3 (160)	6.3 (160)	3.4 (86)	HM166-ND	16.52	13.77	12.71	1598EBK
	7.1 (180)	6.1 (155)	1.4 (36)	HM368-ND	11.16	9.30	8.58	1598BBBK
	7.1 (180)	6.1 (155)	2.0 (50)	HM164-ND	13.76	11.47	10.58	1598CBK
	7.1 (180)	8.1 (206)	2.5 (64)	HM165-ND	16.80	14.00	12.92	1598DBK
	9.8 (249)	6.3 (160)	1.6 (41)	HM167-ND	17.64	14.70	13.57	1598FBK
	9.8 (249)	6.3 (160)	3.0 (76)	HM168-ND	20.68	17.23	15.91	1598GBK
	11.0 (279)	7.9 (201)	1.6 (41)	HM169-ND	21.70	18.08	16.69	1598HBK
	11.0 (279)	7.9 (201)	3.0 (76)	HM170-ND	26.90	22.42	20.69	1598JBK
Light Gray	5.3 (135)	5.3 (135)	2.0 (50)	HM172-ND	11.00	9.17	8.46	1598BGY
	6.2 (157)	3.7 (94)	1.4 (36)	HM171-ND	10.02	8.35	7.71	1598AGY
	7.1 (180)	6.1 (155)	1.4 (36)	HM369-ND	11.16	9.30	8.58	1598BBGY
	7.1 (180)	6.1 (155)	2.0 (50)	HM173-ND	13.76	11.47	10.58	1598CGY
	7.1 (180)	8.1 (206)	2.5 (64)	HM174-ND	16.80	14.00	12.92	1598DGY
	9.8 (249)	6.3 (160)	3.4 (86)	HM175-ND	16.52	13.77	12.71	1598EGY
	9.8 (249)	6.3 (160)	1.6 (41)	HM176-ND	17.64	14.70	13.57	1598FGY
	9.8 (249)	6.3 (160)	3.0 (76)	HM177-ND	20.68	17.23	15.91	1598GGY
	11.0 (279)	7.9 (201)	1.6 (41)	HM178-ND	21.70	18.08	16.69	1598HGY
	11.0 (279)	7.9 (201)	3.0 (76)	HM179-ND	26.90	22.42	20.69	1598JGY
Fig. 3 - 1598 Styrene 2-Piece Plastic Instrument Cases								
Light Gray	5.3 (135)	5.3 (135)	2.0 (50)	HM246-ND	8.24	6.87	6.34	1598BSGY
	6.2 (157)	3.7 (94)	1.4 (36)	HM245-ND	7.36	6.13	5.66	1598ASGY

Color	Dimensions - Inch (mm) A	B	C	Digi-Key Part No.	Price Each 1	10	100	Hammond Part No.
Light Gray	6.3 (160)	6.3 (160)	3.4 (86)	HM249-ND	11.52	9.60	8.86	1598ESGY
	7.1 (180)	6.1 (155)	1.4 (36)	HM370-ND	8.90	7.42	6.85	1598BBSGY
	7.1 (180)	6.1 (155)	2.0 (50)	HM247-ND	9.66	8.05	7.43	1598CSGY
	7.1 (180)	8.1 (206)	2.5 (64)	HM248-ND	11.58	9.65	8.91	1598DSGY
	9.8 (249)	6.3 (160)	1.6 (41)	HM250-ND	11.28	9.40	8.68	1598FSGY
	9.8 (249)	6.3 (160)	3.0 (76)	HM251-ND	13.22	11.02	10.17	1598GSGY
	11.0 (279)	7.9 (201)	1.6 (41)	HM252-ND	13.20	11.00	10.15	1598HSGY
	11.0 (279)	7.9 (201)	3.0 (76)	HM253-ND	15.38	12.82	11.83	1598JSGY
Chrome Plated Tilt Handles for Instrument Cases								
Handle for 1598C, E, F, G Series				HM255-ND	11.48	9.57	8.83	1598TH1
Handle for 1598D, H, J Series				HM256-ND	11.48	9.57	8.83	1598TH2
Fig. 4 - 1599 Styrene Hand Held Cases								
Gray	5.1 (130)	2.6 (66)	1.0 (25)	HM209-ND	5.40	4.50	4.15	1599BSGY
	6.7 (170)	3.4 (86)	1.3 (33)	HM210-ND	6.08	5.07	4.68	1599ESGY
	8.7 (221)	4.3 (109)	1.7 (43)	HM211-ND	6.98	5.82	5.37	1599HSGY
	8.7 (221)	5.5 (140)	1.2 (30)	HM873-ND	9.48	7.90	7.29	1599KSGY
Fig. 4 - 1599 ABS Hand Held Cases								
Black	5.1 (130)	2.6 (66)	1.0 (25)	HM212-ND	7.10	5.92	5.46	1599BBK
	6.7 (170)	3.4 (86)	1.3 (33)	HM213-ND	8.64	7.20	6.65	1599EBK
	8.7 (221)	4.3 (109)	1.7 (43)	HM214-ND	10.58	8.82	8.14	1599HBK
	8.7 (221)	5.5 (140)	1.6 (41)	HM865-ND	11.34	9.45	8.73	1599KBK
Gray	5.1 (130)	2.6 (66)	1.0 (25)	HM215-ND	7.10	5.92	5.46	1599BGY
	6.7 (170)	3.4 (86)	1.3 (33)	HM216-ND	8.64	7.20	6.65	1599EGY
	8.7 (221)	4.3 (109)	1.7 (43)	HM217-ND	10.58	8.82	8.14	1599HGY
	8.7 (221)	5.5 (140)	1.6 (41)	HM866-ND	11.34	9.45	8.73	1599KGY
Fig. 4 - 1599 ABS Hand Held Case with Battery Box								
Black	5.1 (130)	2.6 (66)	1.0 (25)	HM351-ND	8.96	7.47	6.89	1599BBKBAT
	6.7 (170)	3.4 (86)	1.3 (33)	HM353-ND	10.66	8.88	8.20	1599EBKBAT
	8.7 (221)	4.3 (109)	1.7 (43)	HM863-ND	14.42	12.02	11.09	1599HBKBAT
	8.7 (221)	5.5 (140)	1.6 (41)	HM864-ND	15.66	13.05	12.05	1599KBKBAT
Gray	5.1 (130)	2.6 (66)	1.0 (25)	HM352-ND	9.14	7.62	7.03	1599BGYBAT
	6.7 (170)	3.4 (86)	1.3 (33)	HM354-ND	10.66	8.88	8.20	1599EGYBAT
	8.7 (221)	4.3 (109)	1.7 (43)	HM871-ND	14.42	12.02	11.09	1599HGYBAT
	8.7 (221)	5.5 (140)	1.6 (41)	HM872-ND	15.66	13.05	12.05	1599KGYBAT
Fig. 4 - 1599 Styrene Plastic Case with Battery Box								
Gray	5.1 (130)	2.6 (66)	1.0 (25)	HM349-ND	6.84	5.70	5.26	1599BSGYBA
	6.7 (170)	3.4 (86)	1.3 (34)	HM350-ND	7.92	6.60	6.09	1599ESGYBA
	8.7 (221)	4.3 (109)	1.7 (43)	HM875-ND	11.94	9.95	9.18	1599HSGYBA
	8.7 (221)	5.5 (140)	1.6 (41)	HM874-ND	12.88	10.73	9.91	1599KSGYBA
Fig. 5 - 1593 ABS Plastic Hand Held Boxes								
Black	2.6 (66)	2.6 (66)	1.1 (28)	HM355-ND	2.16	1.80	1.66	1593KBK
	2.6 (66)	2.6 (66)	1.1 (28)	HM860-ND	2.16	1.80	1.66	1593JBK
	3.6 (92)	2.6 (66)	1.1 (28)	HM357-ND §	3.10	2.59	2.39	1593PBK
	3.6 (92)	2.6 (66)	1.1 (28)	HM962-ND ***NEW!***	3.16	2.64	2.43	1593LBK
	3.6 (92)	2.6 (66)	0.8 (20)	HM371-ND §	2.88	2.40	2.22	1593SBK
	4.3 (110)	2.9 (75)	1.0 (25)	HM963-ND ***NEW!***	3.26	2.72	2.51	1593NBK
	4.4 (112)	2.6 (66)	1.1 (28)	HM359-ND §	3.48	2.90	2.68	1593QBK
	4.4 (112)	2.6 (66)	0.8 (20)	HM372-ND §	3.28	2.73	2.52	1593TBK
	4.5 (114)	1.4 (36)	1.0 (25)	HM861-ND	3.32	2.77	2.55	1593DBK
	5.5 (140)	2.6 (66)	1.1 (28)	HM966-ND ***NEW!***	4.10	3.42	3.15	1593XBK
	5.5 (140)	2.6 (66)	1.1 (28)	HM862-ND §	4.02	3.35	3.09	1593YBK
Gray	2.6 (66)	2.6 (66)	1.1 (28)	HM356-ND	2.16	1.80	1.66	1593KGY
	2.6 (66)	2.6 (66)	1.1 (28)	HM867-ND	2.16	1.80	1.66	1593JGY
	3.6 (92)	2.6 (66)	1.1 (28)	HM358-ND §	3.10	2.59	2.39	1593PGY
	3.6 (92)	2.6 (66)	1.1 (28)	HM967-ND ***NEW!***	3.16	2.64	2.43	1593LGY
	3.6 (92)	2.6 (66)	0.8 (20)	HM373-ND §	2.88	2.40	2.22	1593SGY
	4.3 (110)	2.9 (75)	1.0 (25)	HM964-ND ***NEW!***	3.26	2.72	2.51	1593NGY
	4.4 (112)	2.6 (66)	1.1 (28)	HM360-ND §	3.48	2.90	2.68	1593QGY
	4.4 (112)	2.6 (66)	0.8 (20)	HM374-ND §	3.28	2.73	2.52	1593TGY
	4.5 (114)	1.4 (36)	1.0 (25)	HM868-ND	3.32	2.77	2.55	1593DGY
	5.5 (140)	2.6 (66)	1.1 (28)	HM870-ND	4.02	3.35	3.09	1593XGY
	5.5 (140)	2.6 (66)	1.1 (28)	HM869-ND §	4.02	3.35	3.09	1593YGY
Infrared Replacement Panels for 1593 Series								
Replacement Panel for 1593D Series				HM887-ND	.40	.34	.31	1593DIR10
Replacement Panel for 1593J, K, P, Q, Y, X Series				HM888-ND	.47	.40	.37	1593PIR10
Replacement Panel for 1593N Series				HM965-ND ***NEW!***	.49	.41	.38	1593NIR10
Replacement Panel for 1593S, T Series				HM889-ND	.28	.24	.22	1593SIR10

* With mounting shelf ‡ With lid ground screw Δ Flanged Lid
† Dimension "C" does not include lid height § Battery Compartment

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

3M Bumpons® Protective Products

vailable in: White, Gray, Brown, Black. Dimensions in inches (mm).

Fig. 1	Fig. 2	Fig. 3	Fig. 4
W: .50 (12.70) H: .12 (3.05)	W: .50 (12.70) Ht: .14 (3.56)	W: .50 (12.70) Ht: .23 (5.84)	W: .81 (20.57) Ht: .30 (7.62)
Fig. 5	**Fig. 6**	**Fig. 7**	**Fig. 8**
W: .63 (16.00) Ht: .31 (7.87)	W: .44 (11.18) Ht: .20 (5.08)	W: .50 (12.70) Ht: .14 (3.56)	W: .44 (11.18) Ht: .20 (5.08)
Fig. 9	**Fig. 10**	**Fig. 11**	**Fig. 12**
W: .88 (22.35) Ht: .40 (10.16)	W: .81 (20.57) Ht: .52 (13.21)	W: .40 (10.16) Ht: .10 (2.54)	W: .75 (19.05) Ht: .38 (9.65)

Fig.	Digi-Key Part No.*	Pricing			
1	SJ5508-□-ND	5.88/**64**	50.44/**640**	67.25/**1,024**	139.21/**3,072**
2	SJ5012-□-ND	5.50/**56**	47.12/**560**	70.69/**1,008**	146.32/**3,024**
3	SJ5518-□-ND	10.17/**64**	87.15/**640**	116.20/**1,024**	240.53/**3,072**
4	SJ5523-□-ND	9.6/**4**	7.43/**56**	86.71/**504**	119.66/**1,008**
5	SJ5027-□-ND	9.87/**40**	110.03/**520**	126.53/**1,040**	597.26/**5,200**
6	SJ5303-7-ND†	5.10/**56**	43.73/**560**	65.80/**1,008**	135.78/**3,024**
7	SJ5312-7-ND†	5.50/**56**	47.12/**560**	70.69/**1,008**	146.32/**3,024**
8	SJ5003-□-ND	5.10/**56**	43.73/**560**	65.80/**1,008**	135.78/**3,024**
9	SJ5009-□-ND	9.89/**24**	25.44/**72**	148.38/**504**	204.76/**1,008**
10	SJ5514-□-ND	2.25/**4**	17.38/**36**	202.77/**504**	279.83/**1,008**
11	SJ5007-0-ND	4.61/**54**	39.53/**540**	65.88/**1,080**	127.28/**3,024**
12	SJ5017-□-ND	12.65/**40**	140.93/**520**	162.07/**1,040**	769.71/**5,200**

Use numbers to designate color choice: **9**–white, **8**–gray, **1**–brown, **0**–black, in the □ of each part #. † Transparent.

3M Tape — Foil Shielding Tape

cotch® EMI/RFI Copper Foil Shielding Tapes provide an easy-to-apply, time saving, cost-effective way to shield against MI/RFI radiation. Foil tapes are conductive through the adhesive, and offer mechanical, electrical and thermal values to eet your shielding effectiveness/frequency requirements.

Description	Digi-Key Part No.	Price Each 1	5
1/4" x 18 yds. (6.35mm x 16.46m)	3M1181A-ND	10.82	9.27
1/2" x 18 yds. (12.70mm x 16.46m)	3M1181B-ND	21.61	18.53
1" x 18 yds. (25.40mm x 16.46m)	3M1181C-ND	43.23	37.05

ScotchCode™ Wire Marker Tape Dispenser

K = Black **BN** = Brown **GY** = Gray **RD** = Red **WH** = White
L = Blue **GN** = Green **OR** = Orange **VL** = Violet **YL** = Yellow

Description	Digi-Key Part No.	Price Each
Dispenser Only	STD-ND	12.06
Dispenser with 0-9 Marker Tape	STD-0-9-ND	36.72
Dispenser with Colored Marker Tape	STD-C-ND	36.72
Refill, 1 roll, number - □ = 0 thru 9	SDR-□-ND*	2.62
Refill, 1 roll, colors - □□ = Color Designation	SDR-□□-ND*	2.62

Refill Rolls 8 Feet (2.44 Meters) in Length

Scotch® Adhesive Transfer Tapes 9703

cotch Adhesive Transfer Tapes aren't really "tapes" at all. They're actually thin strips of pressure sensitive adhesive pre-plied on special release liners. This allows you to quickly and easily apply a neat, precise strip of clean, dry adhesive actly where you want it. **Mounts flat, flexible circuits:** Features electrical conductivity only through the adhesive thick-ss. Completely eliminates the need for soldering, solvents, messy cleanup. • Thickness: 0.002" (.05mm) • Adhesive: crylic A-40 **Applications:** • Attach EMI/RFI shields • Connect flat flexible circuits • Attach electronic components

Description	Digi-Key Part No.	Price Each
Width, 0.5" (12.70mm)	3M9703I2-ND	65.52

Scotch® 130C-mil Linerless Rubber Splicing Tape

t's premier rubber-based, high-voltage insulating tape. Its thermally conductive design eliminates hot spots in splicing d terminating 600V to 69k V. Meets requirements of HH-I-553C, Grade A and B, and ASTM D-4388, Type III.

Description	Digi-Key Part No.	Price Each
3/4" x 30 ft. (19.05mm x 9.1m)	3M130C-ND	13.60

969 Duct Tape

M Highland 6969 is a 10.8-mil (0.27mm) commercial grade polyethylene coated cloth tape with rubber hesive for moisture proofing plumbing, duct sealing, protecting, holding and other general purpose es. It is silver colored, high tack, conformable, strong and easily torn. 6969 resists backing distortion at mperatures up to 150°F (65°C) for one hour.

Description	Digi-Key Part No.	Price Each
2" x 60 yd. roll (50.8mm x 54.8m), Black	3M6969ZB-ND	11.76
2" x 60 yd. roll (50.8mm x 54.8m), Silver	3M6969ZS-ND	9.98

Electrical Tape

Description	Digi-Key Part No.	Price Each
Super 33 Vinyl Plastic Electrical Tape, 3/4" x 66 ft. (19.05mm x 20.12m)	3M33+A-ND	5.52/Roll
Super 88 Vinyl Plastic Electrical Tape, 3/4" x 66 ft. (19.05mm x 20.12m)	3M88A-ND	8.24/Roll
Temflex™ Vinyl Plastic Tape, 3/4" x 60 ft. (19.05mm x 18.2m)	3M1700-ND	1.08/Roll
Vinyl Mastic Pad, 3-1/4" x 4-1/2" (82.55mm x 114.30mm)	3M11008-ND	3.42

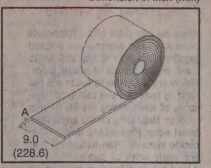
NEW! Bumpons® Protective Products — Resilient Rollstock

With Bumpon resilient rollstock, you can customize non-skid feet, spacers or cushions that help protect from skidding and vibration. Help protect surfaces from marring, staining or abrasion with this high-performance cushioning material that can be die cut by a converter to fit virtually any shape or application. Adhesive options: Natural rubber, an effective solution for a wide variety of application and acrylic; an excellent choice when there will be exposure to higher temperatures.

SPECIFICATIONS:

• Material: Pigmented polyurethane • Hardness: Shore A 70 for SJ-5800, SJ-6000 and SJ-6200 series. Shore A 36 for SJ-5900 series.

Dimension in inch (mm)



Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each
Clear, 72 Yard Roll	0.032 (0.8)	SJ5632-ND	1594.15
Clear, 1 Linear Foot	0.032 (0.8)	SJ5632-1FT-ND	11.86
Clear, 36 Yard Roll	0.063 (1.6)	SJ5616-ND	1001.48
Clear, 1 Linear Foot	0.063 (1.6)	SJ5616-1FT-ND	14.90
Clear, 36 Yard Roll	0.126 (3.2)	SJ5608-ND	1707.64
Clear, 1 Linear Foot	0.126 (3.2)	SJ5608-1FT-ND	25.41
Black, 72 Yard Roll	0.032 (0.8)	SJ5832-ND	1175.19
Black, 1 Linear Foot	0.032 (0.8)	SJ5832-1FT-ND	8.74
Black, 36 Yard Roll	0.063 (1.6)	SJ5816-ND	637.57
Black, 1 Linear Foot	0.063 (1.6)	SJ5816-1FT-ND	9.49
Black, 36 Yard Roll	0.126 (3.2)	SJ5808-ND	1258.89
Black, 1 Linear Foot	0.126 (3.2)	SJ5808-1FT-ND	18.73
Black, 36 Yard Roll	0.063 (1.6)	SJ5916-ND	785.95
Black, 1 Linear Foot	0.063 (1.6)	SJ5916-1FT-ND	11.70
Black, 36 Yard Roll	0.126 (3.2)	SJ5908-ND	1178.94
Black, 1 Linear Foot	0.126 (3.2)	SJ5908-1FT-ND	17.54
Black, 18 Yard Roll	0.252 (6.4)	SJ5904-ND	868.67
Black, 1 Linear Foot	0.252 (6.4)	SJ5904-1FT-ND	25.85

Scotch® 35 7-mil Vinyl Electrical Color Coding Tape

Agile and versatile performer that stretches to conform to virtually any shape that requires color-coded insulation. Its excellent elongation, flexibility and strength make it easy to handle. The eight fade-resistant colors are easily distinguished for fast identification of electrical phases, leads, piping and safety areas. Meets requirements of UL 510 and CSA 22.2 **Features:** • Aggressive pressure-sensitive, rubber-based adhesive • Excellent electrical insulating properties • Resists weather, abrasion, corrosion, alkalies and acids • Flame retardant

Description	Digi-Key Part No.	Price Each
3/4" x 66 ft. (19mm x 20.1m) Color Designation □□	3M35-□□-ND	5.14

BL = Blue **RD** = Red
GN = Green **VL** = Violet
GY = Gray **WH** = White
OR = Orange **YL** = Yellow

Scotch® 70 Self- Fusing Silicone Rubber Electrical Tape

High-temperature, arc and track-resistant self-fusing tape. It's composed of long-lasting silicone rubber with an easy-tear, easy-strip liner. Scotch 70 Tape is well-suited to protect high-voltage cable terminations against arcing and tracking. Operating Temperature: 180°C.

Description	Digi-Key Part No.	Price Each 1	10
1" x 30 ft. (25.4mm x 9.1m)	3M70-ND	43.10	37.72

Scotch-Mount™ No. 4008 and 4026 Double Coated Foam Tapes

The foam carrier makes them flexible and conformable, great for filling space and ideal for joining rough and irregular surfaces. • Adhesive: Acrylic A-20
Applications: • Bond • mirrors • to walls or furniture • Bond acoustic panels to walls

Description	Digi-Key Part No.	Price Each
Thickness, 0.125" (3.18mm)	3M4008-ND	56.98
Thickness, 0.062" (1.57mm)	3M4026-ND	32.95

Scotch-Mount™ Double-Coated Foam Tape

Urethane Foam: Soft, conformable, and high in internal strength which makes it ideal for general purpose mounting and joining. The excellent cold temperature properties make it suited for application on snowmobiles, freezers, etc.
Vinyl Foam: Designed for general purpose mounting and joining, they offer one-piece removal. Their high degree of conformability makes them well suited for joining rough, mis-matched surfaces and the closed-cell foam makes excellent water and air seal in certain applications.

Description	Digi-Key Part No.	Price Each
Urethane 1/16" Thick, 1" x 36 yds., White (1.59mm x 25.40mm x 32.92m)	3M4016I-ND	38.34
Vinyl 1/8" Thick, 1" x 36 yds. (3.18mm x 25.40mm x 32.92m)	3M4408I-ND	79.11
Vinyl 1/16" Thick, 1" x 36 yds., Black (1.59mm x 25.40mm x 32.92m)	3M4416B-ND	60.68
Vinyl 1/16" Thick, 1" x 36 yds., White (1.59mm x 25.40mm x 32.92m)	3M4416W-ND	60.68

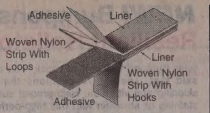
Scotch-Brite™ High Performance Cloth 2011

2011 high performance cloth provides excellent dust, oil and water pickup with minimal linting. This is a versatile non-scratching tool to be used on a wide variety of substrates including stainless steel, chrome, enamel, painted surfaces, plastics, glass, computer monitors, wood, marble and other delicate surfaces. It can be used dry or damp, with or without cleaning chemicals.

Description	Digi-Key Part No.	Price Each 1	5	10	25
Blue, High Performance Cloth, 32 x 36cm	3M2011B-ND	4.86	4.37	3.89	3.40
Red, High Performance Cloth, 32 x 36cm	3M2011R-ND	4.86	4.37	3.89	3.40
White, High Performance Cloth, 32 x 36cm	3M2011W-ND	4.86	4.37	3.89	3.40

3M Fastening Systems

Scotchmate™ Hook and Loop Fastening Systems



When the two sides of a Scotch-mate Hook and Loop Fastener are pressed together, hundreds of tiny stiff hooks mesh with a surface of pliable loops. Simply press together to fasten and pull apart to open and you can do it thousands of times during the life of your product. Depending on the application, select either plain-backed or adhesive-backed versions. Plain-backed versions are easily sewn or stapled in place. Adhesive-backed fasteners are available for bonding to bare or painted metal, many plastics including plasticized vinyl, plus wood, glass and more.

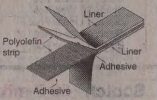
Plain, standard sew on: • Wash or dry clean • **Operating Temp.:** Up to 250°F (121°C) continuous • **Features:** Tailored appearance for garments

Pressure sensitive rubber adhesive: • **Features:** General purpose adhesion to most smooth surfaces • **Operating Temp.:** -20°F ~ 120°F (-29°C ~ 49°C)

Width In. (mm)	Digi-Key Part No.	Note: X in Part No. = Yards Price Per Yard 1	10	25	50
Plain-Backed / Black					
5/8 (15,88)	SJ340158R-X-ND†	1.04	8.31	12.99	15.59
5/8 (15,88)	SJ340258R-X-ND*	1.04	8.31	12.99	15.59
1 (25,40)	SJ340110R-X-ND†	1.48	11.86	18.53	22.23
1 (25,40)	SJ340210R-X-ND*	1.48	11.86	18.53	22.23
Plain-Backed / White					
5/8 (15,88)	SJ340158W-X-ND†	.90	7.20	11.25	16.32
5/8 (15,88)	SJ340258W-X-ND*	.90	7.20	11.25	13.50
1 (25,40)	SJ340110W-X-ND†	1.48	11.86	18.53	22.23
1 (25,40)	SJ340210W-X-ND*	1.48	11.86	18.53	22.23
Adhesive-Backed					
5/8 (15,88)	SJ352758R-X-ND†	4.48	35.87	56.05	65.61
5/8 (15,88)	SJ352658R-X-ND*	4.93	39.46	61.66	65.61
1 (25,40)	SJ352710B-X-ND†	6.17	49.36	77.13	82.06
1 (25,40)	SJ352610B-X-ND*	6.17	49.36	77.13	82.06

* Hook † Loop

Dual Lock™ Reclosable Fastening Systems



When these fasteners are pressed together, hundreds of mushroom-shaped stems interlock with one another. An audible snap announces that the fastener is locked. Compared to hook and loop fasteners, you get improved tensile strength with five times more holding power. Open and close hundreds of times during the life of your product. Plain-backed versions can be easily sewn, stapled or ultrasonically bonded in place. Adhesive-backed versions are available for bonding to bare or painted metal, many plastics including plasticized vinyl, plus wood, glass and more. For easy opening applications, you can mate Type 250 with Type 170. For medium opening, you can mate Type 170 with Type 400 or Type 250 with itself. For greater holding power with limited openings, you can mate Type 250 with Type 400 or mate Type 170 with Scotchmate Loop Products. **Plain-Backed:** Sew-on or staple. Wash or dry clean. • **Operating temp.:** -20°F ~ 200°F (-29°C ~ 93°C) **Pressure Sensitive Rubber Adhesive:** General purpose. Bonds to most surfaces. • Operating Temperature: -20°F ~ 120°F (-29°C ~ 49°C) continuous. **Pressure Sensitive Very High Bond Scotch™ VHB™ Acrylic Adhesive:** High performance for aircraft, automotive, business equipment, electronics. Resists harsh wet/dry, hot/cold cycles. • **Operating Temperature:** -20°F ~ 158°F (-29°C ~ 70°C) continuous

Width In. (mm)	Type	Digi-Key Part No.	Note: X in Part No. = Yards Price Per Yard 1	10	25	50
Plain-Backed / Black						
.5 (12.70)	250	SJ344012-X-ND	5.29	42.28	66.06	87.20
.5 (12.70)	400	SJ344112-X-ND	4.84	38.72	60.50	77.31
.5 (12.70)	170	SJ344212-X-ND	5.81	46.51	72.67	77.31
1 (12.70)	250	SJ344010-X-ND	8.81	70.46	110.10	171.90
1 (25.40)	400	SJ344110-X-ND	8.07	64.53	100.83	128.85
1 (25.40)	170	SJ344210-X-ND	8.07	64.53	100.83	128.85
Plain-Backed / Clear						
.5 (12.70)	250	SJ346012-X-ND	6.75	54.00	84.38	89.78
1 (25.40)	250	SJ346010-X-ND	11.25	89.99	140.61	149.60
Adhesive-Backed / Black						
.5 (12.70)	250	SJ354012-X-ND	6.01	48.09	75.14	103.16
.5 (12.70)	400	SJ354112-X-ND	6.68	53.42	83.46	88.80
.5 (12.70)	170	SJ354212-X-ND	6.68	53.42	83.46	88.80
1 (25.40)	250	SJ354010-X-ND	11.46	91.68	143.25	171.90
1 (25.40)	400	SJ354110-X-ND	11.13	89.00	139.06	147.96
1 (25.40)	170	SJ354210-X-ND	11.13	89.00	139.06	147.96
VHB Adhesive Back / Black						
.5 (12.70)	250	SJ355012-X-ND	9.79	78.33	122.39	130.22
.5 (12.70)	400	SJ355112-X-ND	9.79	78.33	122.39	130.22
.5 (12.70)	170	SJ355212-X-ND	9.79	78.33	122.39	130.22
1 (25.40)	250	SJ355010-X-ND	16.32	130.53	203.95	244.74
1 (25.40)	400	SJ355110-X-ND	16.32	130.53	203.95	208.03
1 (25.40)	170	SJ355210-X-ND	16.32	130.53	203.95	208.03
VHB Adhesive Back / Clear						
.5 (12.70)	250	SJ356012-X-ND	11.47	91.74	143.34	152.51
1 (25.40)	250	SJ356010-X-ND	19.12	152.94	238.98	243.75

MiniPack

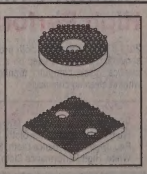
Assorted 3M Fastening Systems that contain 4.9 yard rolls of mating fasteners.

Description	Digi-Key Part No.	Price Each 1	5	10
Hook and Loop				
Black, 1", Sew-on	MP-3401/02B-ND	18.88	16.19	14.57
White, 1", Sew-on	MP-3401/02W-ND	18.88	16.19	14.57
Black, 1", Adhesive	MP-3526/27B-ND	36.40	31.20	28.08
White, 1" Adhesive	MP-3526/27W-ND	36.40	31.20	28.08
Dual Lock				
Black, 1", Adhesive	MP-3541/42B-ND	54.55	46.76	42.08
Black, 1", High Bond	MP-3551/52B-ND	76.32	65.42	58.88

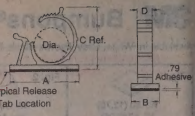
Rigid Backed Dual Lock

Type 400 Dual Lock Fasteners on a rigid back with recessed mounting hole.

Size	Hole Size	Digi-Key Part No.	Pricing 1	50	100
20.6 Diameter	4.1mm	SJ3463-ND	.30	12.00	18.00
14.3 Diameter	4.1mm	SJ3465-ND	.40	16.00	24.00
38.1 Square	4.2mm	SJ3252-ND	.68	27.00	40.50
38.1 Square	3.6mm	SJ3261-ND	.68	27.00	40.50



Richco Adjustable Kwik Klip



• 4 sizes adjust to any holding diameter from 5/16" to 1" (7.9-25.4mm) • Locks securely, easily reopened for routing changes. Adhesive back • Material: Nylon 6/6 • Color: Natural

Dia. Range (mm)	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Pricing 10	100	500	Richco Part No.
7.87-10.16	25.40	19.05	22.10	10.16	RP309-ND	7.39	61.61	246.44	AKKL-3140A-RT
11.68-14.22	31.75	19.05	27.69	10.16	RP310-ND	9.24	77.03	308.10	AKKL-4756A-RT
14.48-19.05	38.10	19.05	31.75	12.70	RP311-ND	12.74	106.21	424.82	AKKL-5775A-RT
22.10-25.40	50.80	25.40	44.45	12.70	RP312-ND	14.42	120.20	480.80	AKKL-8710A-RT

Tie Holders

Fig. 1

• Multi-directional • Material: Nylon 6/6, UV Stabilized Nylon 6/6

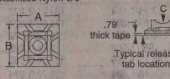
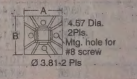


Fig. 2

• Ramp feature allows ties to pass through easily • 4-way entry • Material: Nylon 6/6, Adhesive, UV Stabilized Nylon 6/6



Digi-Key Part No.	Digi-Key Part No.	Dimensions (mm) A	B	C	D	E	Tensile Force (kg)
RP301-ND	RP305-ND	19.05	19.05	6.35	6.10	1.52	6.72/11.20
RP302-ND	RP306-ND	25.40	25.40	11.68	7.11	1.78	18.66/22.39
RP303-ND	RP307-ND	38.10	38.10	10.92	7.62	2.03	44.79
RP304-ND	—	50.80	50.80	10.92	7.62	2.03	44.79

Fig.	Digi-Key Part No.	Pricing 10	100	500	Richco Part No.
Nylon					
1	RP301-ND	4.02	33.48	133.92	FTH-5A-01A-RT
1	RP302-ND	5.03	41.95	167.78	FTH-7-01A-RT
2	RP303-ND	12.16	101.37	405.48	FTH-8-01A-RT
2	RP304-ND	15.14	126.20	504.80	FTH-10-01A-RT
Ultra Violet – Exterior or Outdoor Use (Black)					
1	RP305-ND	4.48	37.30	149.20	FTH-5-01A-RT-UVB
1	RP306-ND	6.63	55.26	221.04	FTH-7-01A-RT-UVB
2	RP307-ND	14.15	117.95	471.78	FTH-8-01A-RT-UVB

LED Spacers

• Spaces LED from surface of board • Easily installed by hand • Insulates and spaces leads • Slots and holes for choice of mount • Material for LEDS1E and LEDS2E: Nylon 6/6 • Color: Natural

Fig. 1

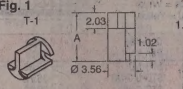


Fig. 2

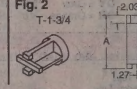
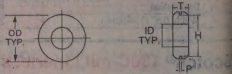


Fig.	Dim. A (mm)	Digi-Key Part No.	Pricing 10	100	500	Richco Part No.
1	4.57	RP500-ND	3.39	28.25	113.00	LEDS1E-3-01
	6.35	RP501-ND	3.58	29.85	119.40	LEDS1E-4-01
	12.70	RP502-ND	3.96	33.00	131.98	LEDS1E-8-01
	15.75	RP503-ND	4.06	33.80	135.20	LEDS1E-10-01
	19.05	RP504-ND	4.13	34.40	137.60	LEDS1E-12-01
2	4.57	RP505-ND	4.29	35.75	143.00	LEDS2E-3-01
	6.35	RP506-ND	4.48	37.34	149.34	LEDS2E-4-01
	12.70	RP507-ND	4.86	40.48	161.92	LEDS2E-8-01
	15.75	RP508-ND	4.94	41.15	164.58	LEDS2E-10-01
	19.05	RP509-ND	5.01	41.75	167.00	LEDS2E-12-01

Hole Grommet



• Installs instantly • Material: Flexible vinyl • Color: Black

ID	Dimensions (mm) H	P	OD	T	Digi-Key Part No.	Pricing 10	100	500	Richco Part No.
3.05	4.57	1.52	7.87	6.35	RP450-ND	1.48	12.30	49.20	HG-2
3.81	6.35	1.52	9.40	6.35	RP451-ND	1.52	12.69	50.74	HG-2.5
4.57	7.87	.76	10.92	4.57	RP452-ND	1.67	13.92	55.68	HG-3
5.33	7.87	1.52	10.92	5.33	RP453-ND	1.86	15.52	62.06	HG-3.5
6.35	9.40	2.29	14.22	7.11	RP454-ND	2.05	17.10	68.38	HG-4
9.40	12.70	1.52	17.27	7.11	RP455-ND	3.42	28.49	113.94	HG-6
14.22	17.27	1.52	22.10	4.57	RP456-ND	4.33	36.09	144.36	HG-9
17.27	19.05	1.52	23.62	4.57	RP457-ND	4.79	39.88	159.50	HG-11

Liquid Tight Grommet

Fig. 1

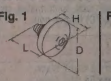
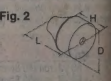


Fig. 2



• Provides dust and watertight seal • Conforms to IP67 standards • Provides light strain relief • Fits a variety of cable sizes

Fig.	Color	Mat'l	Panel Hole (mm)	Panel Thick (mm)	Cable Size (mm)	Dim. (mm) D	L	H	Digi-Key Part No.	Price Each 10	100	Richco Part No.
1	Black	RMS -153	12.5	0.5-2.0	3.0-5.0	19.8	17.0	7.1	RP740-ND	1.16	.97	LTG-199017
2	Gray	RMS-125	16.0	1.0-4.0	5.0-7.0	21.0	18.9	6.2	RP741-ND	2.14	1.43	LTG-39897
			19.0	1.0-4.0	7.0-10.0	23.9	19.6	6.1	RP742-ND	2.51	1.67	LTG-34715
			23.0	1.0-4.0	10.0-14.0	27.9	22.9	6.6	RP743-ND	3.01	2.01	LTG-34716
			29.0	1.0-4.0	14.0-20.0	35.8	24.4	6.6	RP744-ND	3.55	2.37	LTG-43021

K

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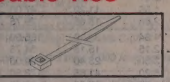
3M Cable Ties



M Cable Ties secure wire bundles
nd harness components quickly,
ithout slipping.
he self-locking head, with heavy
ouble teeth on the one piece lock
echanism.
olded from 6/6 nylon, 3M cable
es are designed to meet a wide
nge of temperatures from -40°F -
85°F (-40°C – 85°C).
eather resistant black nylon for
door and outdoor use and natural
ylon for indoor use only.

Cable Tie Type	Length Inch(mm)	Width Inch(mm)	Max Bundle Dia. Inch(mm)	Tensile Lb/Kg	Color	Digi-Key Part No.	Bag Qty Size	Price Each	Digi-Key Part No.	Bag Qty Size	Price Each
Miniature	4.0 (101.6)	.10 (2.54)	.8 (20.32)	18 (8.16)	Natural	3M101C-ND	100	2.68	3M101M-ND	1,000	14.04
	4.0 (101.6)	.10 (2.54)	.8 (20.32)	18 (8.16)	Black	3M101BKC-ND	100	2.94	3M101BKM-ND	1,000	15.66
	6.0 (152.4)	.10 (2.54)	1.7 (43.18)	18 (8.16)	Natural	3M110C-ND	100	4.42	3M110M-ND	1,000	25.78
	6.0 (152.4)	.10 (2.54)	1.7 (43.18)	18 (8.16)	Black	3M110BKC-ND	100	5.18	3M110BKM-ND	1,000	29.41
	8.0 (203.2)	.10 (2.54)	2.2 (55.88)	18 (8.16)	Natural	3M111C-ND	100	5.32	3M111M-ND	1,000	30.92
	8.0 (203.2)	.10 (2.54)	2.2 (55.88)	18 (8.16)	Black	3M111BKC-ND	100	6.34	—	—	—
Intermediate	5.7 (144.78)	.14 (3.56)	1.4 (35.56)	40 (18.14)	Natural	3M102C-ND	100	4.85	3M102M-ND	1,000	28.08
	5.7 (144.78)	.14 (3.56)	1.4 (35.56)	40 (18.14)	Black	3M102BKC-ND	100	5.69	3M102BKM-ND	1,000	32.08
Standard	7.5 (190.5)	.18 (4.57)	1.9 (48.26)	50 (22.68)	Natural	3M103C-ND	100	5.85	3M103M-ND	1,000	34.13
	7.5 (190.5)	.18 (4.57)	1.9 (48.26)	50 (22.68)	Black	3M103BKC-ND	100	7.02	3M103BKM-ND	1,000	40.10
	11.3 (287.02)	.18 (4.57)	3.1 (78.74)	50 (22.68)	Natural	3M104C-ND	100	11.16	3M106D-ND	1,000	69.48
	11.3 (287.02)	.18 (4.57)	3.1 (78.74)	50 (22.68)	Black	3M104BKC-ND	100	12.36	3M106BKD-ND	1,000	75.60
	14.5 (368.3)	.18 (4.57)	4.1 (104.14)	50 (22.68)	Natural	3M105C-ND	100	16.14	3M105D-ND	500	67.20
	14.5 (368.3)	.18 (4.57)	4.1 (104.14)	50 (22.68)	Black	3M105BKC-ND	100	17.40	3M105BKD-ND	500	77.40
Heavy Duty	15.1 (383.54)	.30 (7.62)	4.0 (101.6)	120 (54.43)	Natural	3M107HDC-ND	100	28.38	3M105HDD-ND	500	140.40
	15.1 (383.54)	.30 (7.62)	4.0 (101.6)	120 (54.43)	Black	3M107HDBKC-ND	100	31.50	3M105HDBKD-ND	500	155.40
Extra Heavy Duty	33.1 (840.74)	.34 (8.64)	9.8 (248.92)	175 (79.38)	Natural	3M108HDL-ND	50	51.30	—	—	—
	37.1 (942.34)	.34 (8.64)	11 (279.4)	175 (79.38)	Natural	3M109HDL-ND	50	61.71	—	—	—
	37.1 (942.34)	.34 (8.64)	11 (279.4)	175 (79.38)	Black	3M109HDBKL-ND	50	67.86	—	—	—
	48 (1219.2)	.35 (8.89)	15 (381)	175 (79.38)	Natural	3M114HDL-ND	50	94.80	—	—	—
	48 (1219.2)	.35 (8.89)	15 (381)	175 (79.38)	Black	3M114HDBKL-ND	50	105.33	—	—	—

KEYSTONE Terminals

Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Fig. 6
Fig. 7
Fig. 8
Fig. 9
Fig. 10
Fig. 11
Fig. 12
Fig. 13
Fig. 14
Fig. 15
Fig. 16

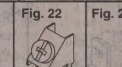
Fig. 17
Fig. 18
Fig. 19
Fig. 20
Fig. 21
Fig. 22
Fig. 23 

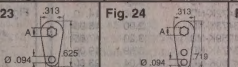
Fig. 24 

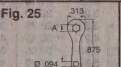
Fig. 25 

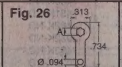
Fig. 26 

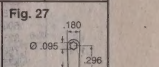
Fig. 27 

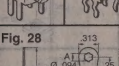
Fig. 28 

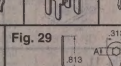
Fig. 29 

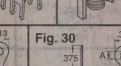
Fig. 30 

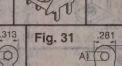
Fig. 31 

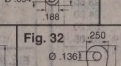
Fig. 32 

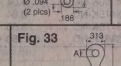
Fig. 33 

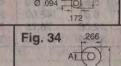
Fig. 34 

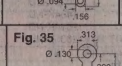
Fig. 35 

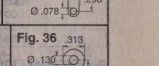
Fig. 36 

Fig.	Description	Dim. A	Digi-Key Part No.	Pricing 10	100
	PC Quick-Fit Tab Terminal				
	.110" Female, Horizontal	—	3545K-ND	4.10	28.50
	.110" Female, Horizontal	—	3549K-ND	4.10	28.50
1	.205" Female, Horizontal	—	3546K-ND	4.27	29.80
	.205" Female, Horizontal	—	3550K-ND	4.27	29.80
	.205" Female, Horizontal	—	3547K-ND	3.33	31.25
	.110" Female, Vertical	—	3534K-ND	1.94	10.45
	.110" Female, Vertical	—	3544K-ND	1.94	10.45
2	.205" Female, Vertical	—	3525K-ND	1.94	10.45
	.250" Female, Vertical	—	3528K-ND	1.94	10.45
	.187" Female, Vertical	—	3548K-ND	1.94	10.45
2	.187" Female, Vertical	—	3551K-ND	1.94	10.45
2	.205" Quick-Fit Vertical Terminal	—	3522K-ND	1.94	10.45
3	.110" Female, 18-22 Gage	—	1252K-ND	1.49	10.30
3	.187" Female, 16-22 Gage	—	1264K-ND	3.58	24.90
3	.205" Female, 16-20 Gage	—	4469K-ND	4.31	34.35
3	.250" Female, 16-20 Gage	—	4470K-ND	2.72	19.05
4	.205" Male, .020 Brass, Tin Plate, .046 Diameter	—	1286K-ND	.90	4.65
4	.205" Male, .032 Brass, Tin Plate, .052 Diameter	—	1213K-ND	.90	6.90
5	.205" Male, .020 Brass, Tin Plate, .046 Diameter	—	1286-STK-ND	.84	5.85
5	.205" Male, .032 Brass, Tin Plate, .052 Diameter	—	1213-STK-ND	.90	6.90
6	.187" Male, .020 Brass, Tin Plate, .043 Diameter	—	4900K-ND	1.37	9.50
4	.187" Male, .020 Brass, Tin Plate, .046 Diameter	—	1285K-ND	.80	5.65
4	.187" Male, .032 Brass, Tin Plate, .052 Diameter	—	1212K-ND	1.56	12.15
5	.187" Male, .020 Brass, Tin Plate, .046 Diameter	—	1285-STK-ND	.84	4.35
5	.187" Male, .032 Brass, Tin Plate, .052 Diameter	—	1212-STK-ND	.87	6.75
7	.110" Male, .032 Brass, Tin Plate, .046 Diameter	—	1267K-ND	1.09	7.30
7	.110" Male, .032 Brass, Tin Plate, .052 Diameter	—	1211K-ND	1.08	7.95
8	.110" Male, .020 Brass, Tin Plate, .046 Diameter	—	4903K-ND	2.14	14.95
8	.110" Male, .032 Brass, Tin Plate, .052 Diameter	—	4906K-ND	2.19	15.05
8	.187" Male, .020 Brass, Tin Plate, .046 Diameter	—	4904K-ND	2.05	14.30
8	.187" Male, .032 Brass, Tin Plate, .052 Diameter	—	4907K-ND	2.10	14.40
8	.250" Male, .032 Brass, Tin Plate, .056 Diameter	—	4966K-ND	1.54	8.20
8	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1266K-ND	2.26	11.74
9	.250" Male, .032 Brass, Tin Plate, .106 Diameter	—	1265K-ND	2.21	11.45
4	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1287K-ND	.99	6.90
5	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1287-STK-ND	.99	6.90
10	.110"/.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1282K-ND	.99	6.90
6	.250" Male, .032 Brass, Tin Plate, .067 Diameter	—	4901K-ND	2.02	14.01
11	.250" Male, .032 Brass, Tin Plate, .067 Diameter	—	4902K-ND	1.37	9.50
12	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	4908K-ND	2.99	20.25
13	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1289K-ND	1.53	7.00
13	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1289-STK-ND	2.13	10.25
14	.250" Male, .032 Brass, Tin Plate, .052 Diameter	—	1281K-ND	2.47	12.80
15	.250" Quick-Fit Vinyl Boot, Clear	—	4471K-ND	1.09	7.75
15	.250" Quick-Fit Vinyl Boot, Red	—	4472K-ND	1.09	7.75
15	.250" Quick-Fit Vinyl Boot, Blue	—	4473K-ND	1.09	7.75
15	.250" Quick-Fit Vinyl Boot, Yellow	—	4474K-ND	1.09	7.75
—	Terminal Hand Insertion Tool	—	1288K-ND		34.77/1
	MT Screw Terminal				
16	Snap-In PC Horizontal	—	7690K-ND	—	24.05
16	Snap-In PC Horizontal, Captivated	—	7692K-ND*	—	28.50
17	PC Horizontal	—	8190K-ND	—	22.40
17	PC Horizontal, Captivated	—	7700K-ND*	—	24.80
18	Snap-In PC Vertical	—	7691K-ND	—	23.60
18	Snap-In PC Vertical, Captivated	—	7693K-ND*	—	27.15
19	PC Vertical	—	8191K-ND	—	22.05
19	PC Vertical, Captivated	—	7701K-ND*	—	25.50
20	Terminal PC Vertical, Heavy Duty	—	8196K-ND	—	40.68

Fig.	Description	Dim. A	Digi-Key Part No.	Pricing 10	100
21	Terminal Insert 10/32 Thread, Captivated	—	1202K-ND	8.51	67.75
21	Screw Terminal Insert 10/32	—	1299K-ND	8.51	67.75
22	Screw Supplied Unassembled	—	8189K-ND	8.24	46.56
22	Screw Installed and Captivated	—	7702K-ND	9.39	50.56
	Lockwasher Terminal Lugs				
23	.018 Brass, Tin Plate	.120	906K-ND	1.09	8.05
23	.018 Brass, Tin Plate	.140	914K-ND	1.09	8.05
23	.018 Brass, Tin Plate	.171	915K-ND	1.09	8.05
24	.018 Brass, Tin Plate	.120	910K-ND	1.14	8.30
24	.018 Brass, Tin Plate	.140	918K-ND	1.14	8.30
24	.018 Brass, Tin Plate	.171	906K-ND	1.23	8.30
25	.018 Brass, Tin Plate	.120	903K-ND	1.17	8.65
25	.018 Brass, Tin Plate	.140	904K-ND	1.17	8.65
25	.018 Brass, Tin Plate	.171	905K-ND	1.17	8.65
26	.018 Brass, Tin Plate	.120	909K-ND	1.19	8.75
26	.018 Brass, Tin Plate	.140	916K-ND	1.19	8.75
26	.018 Brass, Tin Plate	.171	917K-ND	1.19	8.75
27	.013 Brass, Tin Plate	—	907K-ND	2.10	14.50
28	.018 Brass, Tin Plate	.120	7311K-ND	1.14	8.30
28	.018 Brass, Tin Plate	.140	7312K-ND	1.14	8.30
28	.018 Brass, Tin Plate	.171	7313K-ND	1.14	8.30
29	.018 Brass, Tin Plate	.120	7317K-ND	1.17	8.65
29	.018 Brass, Tin Plate	.140	7318K-ND	1.17	8.65
29	.018 Brass, Tin Plate	.171	7319K-ND	1.17	8.65
30	.018 Brass, Tin Plate	.120	7314K-ND	1.19	8.75
30	.018 Brass, Tin Plate	.140	7315K-ND	1.19	8.75
30	.018 Brass, Tin Plate	.171	7316K-ND	1.19	8.75
	Solder Terminal Lugs				
31	.015 Brass, Tin Plate	.120	7328K-ND	1.13	8.35
31	.015 Brass, Tin Plate	.140	7329K-ND	1.13	8.35
31	.015 Brass, Tin Plate	.171	7330K-ND	1.13	8.35
32	.016 Brass, Tin Plate	—	4004K-ND	1.00	6.90
33	.020 Brass, Tin Plate	.120	7331K-ND	1.11	7.90
33	.020 Brass, Tin Plate	.140	7332K-ND	1.11	7.90
33	.020 Brass, Tin Plate	.171	7333K-ND	1.08	7.90
34	.020 Brass, Tin Plate	.120	7325K-ND	1.08	7.90
34	.020 Brass, Tin Plate	.140	7326K-ND	1.11	7.90
34	.020 Brass, Tin Plate	.171	7327K-ND	1.08	7.90
	Terminal Lugs				
35	.015 Brass, Tin Plate	—	680K-ND	1.32	9.50
36	.020 Brass, Tin Plate	.500	4000K-ND	1.04	5.40
36	.020 Brass, Tin Plate	.562	4001K-ND	1.04	5.75
36	.020 Brass, Tin Plate	.750	4002K-ND	1.15	7.95
36	.020 Brass, Tin Plate	1.000	4003K-ND	1.25	8.75
	Double Turret Series				
—	TL-1 Brass, Tin Plate, .084" Length	—	1593-2K-ND	1.45	10.20
—	TL-1 Brass, Tin Plate, .082" Length	—	1573-2K-ND	1.57	13.75
—	TL-2 Brass, Tin Plate, .109" Length	—	1502-2K-ND	1.91	13.95
	Tubular (Hollow) Turret Series				
—	TL-2 Brass, Tin Plate, .084" Length	—	1562-2K-ND	2.06	18.10
	PC Test Point Terminals				
—	.020 Brass, Tin Plate, Slotted, .032" Diameter	—	1031K-ND	1.53	7.75
—	.025 Brass, Tin Plate, Slotted, .118" Diameter	—	1040K-ND	1.34	6.65
—	.025 Brass, Tin Plate, Loop, .040" Diameter	—	1249K-ND	1.55	7.85
—	.025 Brass, Tin Plate, Loop, .050" Diameter	—	1045K-ND	3.09	15.50
—	.025 Brass, Tin Plate, Loop, .098" Diameter	—	4952K-ND	1.39	9.60
	90° Quick-Fit Rivet Terminal				
—	.250" Tab, .032 Brass, 3 Pairs, .130" Diameter	—	1006K-ND	4.85	38.65

* Screw Installed and Captivated

K

KEYSTONE

Round Clear Spacers (Non Threaded)

Materials: **Brass:** Nickel Plate (QQ-N-290)
• **Aluminum:** Iridite Finish (MIL-C-5541)

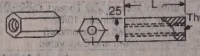
Clearance Hole: • .120" for #4 Screw • .140" for #6 Screw • .171 for #8 Screw

Screw (Hole)	Dim. L (Inch)	Brass Spacers Part No.	Pricing 10	Pricing 100	Aluminum Spacers Part No.	Pricing 10	Pricing 100
#4 (.120)	.125	1909K-ND	2.64	18.55	2036K-ND	1.91	11.60
	.250	1454AK-ND	3.01	21.10	3457K-ND	2.24	11.85
	.375	1454BK-ND	3.20	22.50	3458K-ND	2.66	14.10
	.500	1454CK-ND	3.83	26.75	3459K-ND	2.90	15.95
	.625	1919K-ND	4.27	30.15	2314K-ND	3.20	17.65
	.750	1454DK-ND	3.80	30.65	3460K-ND	3.59	19.05
	.875	1920K-ND	5.87	47.40	3402K-ND	4.04	23.80
	1.000	1454EK-ND	5.61	48.31	3461K-ND	3.84	24.80
	1.500	1924K-ND	12.06	76.75	3462K-ND	8.55	50.70
	2.000	1925K-ND	15.98	101.75	3463K-ND	10.53	67.05
#6 (.140)	.125	1934K-ND	2.64	18.55	3403K-ND	1.91	11.60
	.250	1457AK-ND	3.01	21.10	3464K-ND	2.24	11.85
	.375	1457BK-ND	3.20	22.50	3465K-ND	2.66	14.10
	.500	1457CK-ND	3.83	26.75	3466K-ND	2.90	15.95
	.625	1935K-ND	4.27	30.15	3429K-ND	3.20	17.65
	.750	1457DK-ND	3.80	30.65	3467K-ND	3.59	19.05
	.875	1936K-ND	5.87	47.40	3438K-ND	4.04	23.80
	1.000	1457EK-ND	5.61	48.31	3468K-ND	3.84	24.80
	1.500	1937K-ND	12.06	76.75	3469K-ND	8.55	50.70
	2.000	1938K-ND	15.89	101.65	3470K-ND	10.53	67.05
#8 (.171)	.125	1942K-ND	2.64	18.55	4258K-ND	1.91	11.60
	.250	1480K-ND	3.01	21.10	3471K-ND	2.24	11.85
	.375	1481K-ND	3.20	22.50	3472K-ND	2.66	14.10
	.500	1482K-ND	3.83	26.75	3473K-ND	2.90	15.95
	.625	2032K-ND	4.27	30.15	4259K-ND	3.20	17.65
	.750	1483K-ND	3.80	30.65	3474K-ND	3.59	19.05
	.875	2033K-ND	5.87	47.40	4260K-ND	4.04	23.80
	1.000	1484K-ND	6.04	48.60	3475K-ND	3.84	24.80
	1.500	2034K-ND	12.06	76.75	3476K-ND	8.55	50.70
	2.000	2035K-ND	15.89	101.65	3477K-ND	10.53	67.05

Round Spacer Kits

Brass Nickel Plated - Assortment of 1500 pieces in 1/4", 3/8", 1/2", 3/4" and 1" lengths with clearance holes for #4, #6, and #8. 100 pieces of each size complete with cabinet.
SPR-13KIT-ND **$278.12**

Nylon Spacers



Hex Threaded Standoffs

Material: Nylon 6/6 Economical for terminal or printed circuit board supports.

Dim. L (Inch)	4-40 Thread Part No.	6-32 Thread Part No.	8-32 Thread Part No.	Pricing 10	Pricing 100
.250	1902AK-ND	1903AK-ND	1904AK-ND	4.85	28.75
.375	1902BK-ND	1903BK-ND	1904BK-ND	4.97	29.45
.500	1902CK-ND	1903CK-ND	1904CK-ND	5.17	30.75
.625	1902FK-ND	1903FK-ND	1904FK-ND	4.51	36.40
.750	1902DK-ND	1903DK-ND	1904DK-ND	6.65	39.45
.875	1902GK-ND	1903GK-ND	1904GK-ND	5.08	41.05
1.000	1902EK-ND	1903EK-ND	1904EK-ND	7.65	39.18

Hex Threaded Standoffs - Flame Retardant

Material: Monsanto 340 FR UL 94V-0 rating

Dim. L (Inch)	4-40 Thread Part No.	6-32 Thread Part No.	8-32 Thread Part No.	Pricing 10	Pricing 100
.250	8440AK-ND	8441AK-ND	8442AK-ND	5.37	43.30
.375	8440BK-ND	8441BK-ND	8442BK-ND	5.49	44.35
.500	8440CK-ND	8441CK-ND	8442CK-ND	5.71	45.95
.625	8440DK-ND	8441DK-ND	8442DK-ND	6.81	54.15
.750	8440EK-ND	8441EK-ND	8442EK-ND	7.80	54.53
.875	8440FK-ND	8441FK-ND	8442FK-ND	7.05	57.05
1.000	8440GK-ND	8441GK-ND	8442GK-ND	7.39	59.60

Round Thru-Hole Spacers

Material: Nylon 6/6

Dim. L (Inch)	#4 Screw .120 Hole Part No.	#6 Screw .140 Hole Part No.	#8 Screw .171 Hole Part No.	Pricing 10	Pricing 100
.125	875K-ND	883K-ND	891K-ND	1.27	9.50
.250	876K-ND	884K-ND	892K-ND	1.38	10.45
.375	877K-ND	885K-ND	893K-ND	1.46	12.95
.500	878K-ND	886K-ND	894K-ND	1.55	14.30
.625	879K-ND	887K-ND	895K-ND	1.67	14.95
.750	880K-ND	888K-ND	896K-ND	1.70	16.05
.875	881K-ND	889K-ND	897K-ND	1.84	17.75
1.000	882K-ND	890K-ND	898K-ND	2.06	19.35

Rubber Grommets

I.D. A (In.)	For Hole B (Inch)	For Panel C (Inch)	Dim. (Inch) D	Dim. (Inch) E	Digi-Key Part No.	Pricing 10	Pricing 100	Pricing 500
.125	.187	.062	.312	.187	730K-ND	1.14	8.10	33.75
.125	.250	.062	.343	.187	733K-ND	1.03	7.30	31.75
.125	.437	.062	.625	.187	734K-ND	9.25	74.70	317.50
.125	.375	.093	.500	.312	735K-ND	3.85	27.15	115.50
.187	.312	.062	.437	.218	736K-ND	1.24	8.65	37.75
.187	.312	.062	.437	.218	737K-ND	2.96	20.90	88.75
.250	.437	.062	.625	.187	738K-ND	3.07	21.70	92.75
.250	.375	.062	.562	.250	739K-ND	1.56	11.20	47.00
.250	.375	.093	.500	.250	740K-ND	2.66	18.65	79.75
.312	.562	.062	.812	.312	741K-ND	4.84	39.10	165.50
.312	.437	.062	.625	.281	742K-ND	2.15	15.15	64.75
.312	.437	.093	.625	.312	743K-ND	3.30	23.40	99.00
.375	.625	.062	.875	.312	744K-ND	5.20	41.85	178.50
.375	.500	.062	.625	.250	745K-ND	1.69	12.00	51.00
.437	.562	.062	.750	.250	732K-ND	2.22	14.80	64.75
.437	.687	.062	.937	.312	746K-ND	5.74	46.50	197.25
.500	.812	.062	1.062	.312	747K-ND	5.99	46.80	199.50
.500	1.250	.062	1.500	.25	748K-ND	7.30	58.80	250.00
.500	.750	.093	.968	.281	749K-ND	3.11	28.75	122.00
.562	.812	.062	1.062	.312	750K-ND	7.06	56.90	242.00
.625	.875	.062	1.125	.312	752K-ND	4.03	30.15	127.50
.625	1.250	.062	1.500	.250	753K-ND	10.60	85.50	363.25
.750	1.062	.062	1.375	.375	755K-ND	10.81	87.35	371.00
.750	1.437	.062	1.812	.375	756K-ND	22.46	181.80	815.75
.875	1.250	.062	1.625	.437	757K-ND	15.35	133.45	567.50

Threaded Mounting Brackets

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

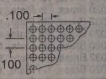
Fig. 10

Fig. 11

Fig. 12

Fig.	Description	Digi-Key Part No.	Pricing 10	Pricing 100
1	.062 Steel, Zinc Plate	612K-ND	1.97	13.05
2	.062 Steel, Zinc Plate	621K-ND	2.54	16.90
3	.047 Brass, Tin Plate	616K-ND	3.91	31.10
4	.032 Brass, Nickel Plate	634K-ND	4.13	25.75
5	.032 Brass,Tin Plate	614K-ND	2.25	16.90
6	.032 Brass, Tin Plate	630K-ND	8.28	65.95
7	.062 Steel, Nickel Plate	4334K-ND	8.81	48.50
8	.062 Steel, Nickel Plate	708K-ND	6.79	55.05
9	.062 Steel, Tin Plate	617K-ND	3.86	30.75
10	.062 Brass, Nickel Plate	4332K-ND	6.32	57.15
10	.062 Brass, Nickel Plate	4333K-ND	6.32	57.15
11	.037 Brass, Tin Plate	611K-ND	4.31	34.35
12	.037 Steel, Tin Plate	631K-ND	3.77	30.05

Prepunched Insulating Boards



Dimension – Inch Width	Length	Digi-Key Part No.	Pricing 1	Pricing 10	Keystone Part No.
Perfboard — Holes .042" (1.07mm) Dia., Glass Epoxy					
2.00	4.50	3405K-ND	4.59	42.84	3405
2.00	6.00	3406K-ND	6.00	56.00	3406
2.75	17.00	3407K-ND	18.00	168.00	3407
3.00	4.50	3408K-ND	6.27	58.52	3408
4.50	6.00	3409K-ND	8.76	81.76	3409
4.50	6.50	3410K-ND	10.17	94.92	3410
4.50	8.50	3411K-ND	11.01	102.76	3411
4.50	17.00	3412K-ND	24.69	230.44	3412
6.00	17.00	3413K-ND	33.24	310.24	3413

Miscellaneous Hardware

Description	Digi-Key Part No.	Pricing 1	Pricing 10	Keystone Part No.
LED Spacer Mounts				
Universal Tri-Lead T-1 & T-1 3/4, 0.120"L	8900K-ND	.15	1.38	8900
Universal Tri-Lead T-1 & T-1 3/4, 0.440"L	8918K-ND	.17	1.64	8918
Self-Aligning Bi-Lead T-1, 0.140"L	7352K-ND	.15	1.38	7352
Self-Aligning Bi-Lead T-1 3/4, 0.250"L	8318K-ND	.15	1.42	8318
Self-Aligning Bi-Lead T-1 3/4, 0.340"L	8323K-ND	.16	1.48	8323
Spacers				
Aluminum Economy, #6 screw, 0.625"L	410K-ND	.12	1.14	410
Round, Swage Clear, #6 screw, 0.109"L	5064-2K-ND	.46	4.03	5064-2
Threaded Standoff				
Force-Fit, 4-40 Thread, 0.065"L	4861K-ND	.63	5.54	4861
Phenolic, 6-32 Thread, 0.750"L	386K-ND	.76	6.68	386
Round Swage, 2-56 Thread, 0.125"L	1589-2K-ND	.36	3.43	1589-2
Hex Swage, 6-32 Thread, 0.375"L	1622-2K-ND	.49	4.28	1622-2
PCI Computer Bracket	9203K-ND	1.92	17.70	9203K

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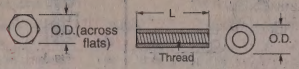
KEYSTONE

hreaded Standoffs

rass: ASTM-B16
lating: Zinc (ASTM B633)
luminum: QQ-A-225/3, Alloy 2011-T3
lating: Clear Iridite (Mil-C-5541)



te: Spacers over 1.000 long are tapped .375 deep each end.

Thread	O.D.	"L" Length (inch)	Hex Thread Part No.	Pricing 10	Pricing 100	Round Thread Part No.	Pricing 10	Pricing 100
			Aluminum Iridite Finish					
		.187	1797AK-ND	4.99	40.20	1801AK-ND	4.68	37.80
2-56	.156	.250	1797BK-ND	5.36	43.15	1801BK-ND	4.63	37.55
		.312	1797CK-ND	5.57	44.95	1801CK-ND	5.02	40.65
		.375	1797DK-ND	4.23	34.15	1801DK-ND	5.80	46.80
		.250	1891K-ND	3.02	18.05	2025K-ND	2.99	17.65
		.375	1892K-ND	3.55	21.00	2026K-ND	3.46	20.80
		.500	1893K-ND	3.91	24.50	2027K-ND	3.81	22.65
4-40	.187	.625	1894K-ND	4.02	26.65	2028K-ND	3.94	24.80
		.750	1895K-ND	4.45	29.95	2029K-ND	4.39	28.75
		.875	1896K-ND	4.90	33.10	2030K-ND	4.81	31.00
		1.000	1897K-ND	5.37	43.90	2031K-ND	5.37	43.30
		.250	2201K-ND	2.92	17.75	3478K-ND	2.65	15.25
		.375	2202K-ND	3.27	19.50	3479K-ND	2.93	17.75
		.500	2203K-ND	3.62	21.60	3480K-ND	3.30	19.15
		.625	1808K-ND	3.90	23.70	1839K-ND	3.56	28.15
4-40	.250	.750	2204K-ND	3.86	25.80	3481K-ND	4.02	23.70
		.875	1809K-ND	4.39	35.70	1846K-ND	4.33	34.90
		1.000	2205K-ND	4.90	39.70	3482K-ND	4.78	38.65
		1.500	2206K-ND	8.35	67.25	3483K-ND	8.07	65.15
		2.000	2207K-ND	9.63	77.85	3484K-ND	9.35	75.40
		.250	2208K-ND	2.92	17.75	3485K-ND	2.65	15.25
		.375	2209K-ND	3.27	19.50	3486K-ND	2.93	17.75
		.500	2210K-ND	3.62	21.60	3487K-ND	3.30	19.15
		.625	1813K-ND	4.12	24.15	1847K-ND	3.92	27.70
		.750	2211K-ND	3.86	25.80	3488K-ND	4.02	23.70
		.875	1816K-ND	4.11	27.35	1848K-ND	3.86	25.90
6-32	.250	1.000	2212K-ND	4.90	39.70	3489K-ND	4.78	38.65
		1.250	1818K-ND	7.39	59.60	1853K-ND	7.25	58.50
		1.500	2213K-ND	8.35	67.25	3490K-ND	8.07	65.15
		1.750	1819K-ND	8.71	70.40	1855K-ND	8.57	69.25
		2.000	2214K-ND	9.63	77.85	3491K-ND	9.35	75.40
		2.250	1820K-ND	10.69	86.25	1856K-ND	10.41	83.95
		2.500	1825K-ND	10.85	94.45	1857K-ND	10.59	92.15
		.250	2215K-ND	2.92	17.75	3492K-ND	2.65	15.25
		.375	2216K-ND	3.27	19.50	3493K-ND	2.93	17.75
		.500	2217K-ND	3.62	21.60	3494K-ND	3.30	19.15
		.625	1827K-ND	3.99	28.15	1858K-ND	3.58	21.80
8-32	.250	.750	2218K-ND	3.77	30.25	3495K-ND	4.02	23.70
		.875	1828K-ND	4.68	37.70	1859K-ND	3.86	25.90
		1.000	2219K-ND	4.90	39.70	3496K-ND	4.78	38.65
		1.500	2220K-ND	8.35	67.25	3497K-ND	8.07	65.15
		2.000	2221K-ND	9.63	77.85	3498K-ND	9.35	75.40
		.375	1926AK-ND	4.31	34.90	2315AK-ND	6.38	54.55
		.500	1926BK-ND	4.52	36.35	2315BK-ND	7.16	57.75
8-32	.375	.625	1926CK-ND	5.91	47.60	2315CK-ND	7.72	62.25
		.750	1926DK-ND	6.87	55.35	2315DK-ND	8.28	66.75
		1.000	1926EK-ND	7.74	66.50	2315EK-ND	9.17	79.06
			Brass Zinc Plate					
		.187	1798AK-ND	5.85	47.25	1802AK-ND	4.63	37.55
2-56	.156	.250	1798BK-ND	4.91	39.65	1802BK-ND	4.98	40.20
		.312	1798CK-ND	7.58	61.30	1802CK-ND	5.16	41.75
		.375	1798DK-ND	7.05	56.90	1802DK-ND	5.16	41.75
		.250	1450K-ND	3.39	19.15	1547K-ND	3.40	17.65
		.375	1803K-ND	3.97	21.95	1864K-ND	3.92	26.65
		.500	1656K-ND	4.07	25.95	1657K-ND	4.03	25.50
4-40	.187	.625	1804K-ND	4.95	35.00	1865K-ND	4.93	30.05
		.750	1656AK-ND	5.59	33.20	1657AK-ND	5.45	32.35
		.875	1805K-ND	6.87	42.95	1866K-ND	6.85	41.45
		1.000	1656BK-ND	7.22	42.95	1657BK-ND	7.15	41.15
		.250	1450AK-ND	3.16	17.75	1547AK-ND	3.65	25.70
		.375	1450BK-ND	3.96	20.55	1547BK-ND	4.26	30.05
		.500	1450CK-ND	4.01	25.80	1547CK-ND	4.55	36.65
4-40	.250	.625	1829K-ND	5.41	34.90	1867K-ND	5.14	41.45
		.750	1450DK-ND	6.19	40.75	1547DK-ND	5.75	46.50
		.875	1830K-ND	6.59	42.40	1876K-ND	6.49	52.35
		1.000	1450EK-ND	6.97	45.05	1547EK-ND	2.98	17.65
		1.500	1831K-ND	12.25	106.55	1877K-ND	11.89	103.30
		2.000	1832K-ND	12.56	109.25	1878K-ND	12.15	105.60
		.250	1451AK-ND	3.16	17.75	1548AK-ND	3.15	16.30
		.375	1451BK-ND	3.96	20.55	1548BK-ND	3.46	19.15
		.500	1451CK-ND	4.01	25.80	1548CK-ND	4.03	24.80
		.625	1451DK-ND	5.41	34.90	1548DK-ND	4.40	33.20
		.750	1451EK-ND	5.31	40.34	1548EK-ND	4.79	39.41
6-32	.250	.875	1833K-ND	6.59	42.40	1879K-ND	6.18	41.35
		1.000	1635K-ND	6.97	41.15	1548FK-ND	6.42	40.55
		1.250	1636K-ND	9.08	73.25	1881K-ND	8.91	71.95
		1.500	1637K-ND	10.49	84.60	1882K-ND	11.89	103.30
		1.750	1638K-ND	12.41	107.90	1883K-ND	12.04	104.65
		2.000	1639K-ND	12.56	109.25	1884K-ND	12.15	105.60

Thread	O.D.	"L" Length (inch)	Hex Thread Part No.	Pricing 10	Pricing 100	Round Thread Part No.	Pricing 10	Pricing 100
6-32	.250	2.250	1642K-ND	12.81	111.40	1885K-ND	12.46	108.20
		2.500	1643K-ND	13.18	114.50	1886K-ND	12.81	111.40
		.250	1474AK-ND	3.16	19.80	1692AK-ND	3.81	30.75
		.375	1474BK-ND	3.96	20.55	1692BK-ND	4.00	32.35
		.500	1474CK-ND	4.01	25.80	1692CK-ND	5.09	41.10
		.625	1834K-ND	5.41	34.90	1887K-ND	5.83	46.90
8-32	.250	.750	1474DK-ND	6.19	40.75	1692DK-ND	6.90	55.65
		.875	1836K-ND	6.59	42.40	1888K-ND	6.60	53.45
		1.000	1474EK-ND	5.97	40.81	1692EK-ND	6.09	56.80
		1.500	1837K-ND	12.25	106.55	1889K-ND	11.89	103.30
		2.000	1838K-ND	12.56	109.25	1899K-ND	12.77	111.15
		.375	1452AK-ND	5.56	44.85	1549AK-ND	7.50	60.60
		.500	1452BK-ND	7.15	57.60	1549BK-ND	8.09	65.25
8-32	.375	.625	1452CK-ND	9.24	74.50	1549CK-ND	8.90	71.95
		.750	1452DK-ND	9.96	80.40	1549DK-ND	9.78	78.95
		1.000	1452EK-ND	11.94	102.64	1549EK-ND	10.30	96.03

1/4" Hex Threaded Standoff Kit

Brass - Assortment of 1500 in 1/4", 3/8", 1/2", 3/4" and 1" lengths with thread sizes of 4-40, 6-32 and 8-32. 100 pieces of each size complete with cabinet.

STH-14KIT-ND **$449.97**

Aluminum - Assortment of 1500 pieces in 1/4", 3/8", 1/2", 3/4" and 1" lengths with thread sizes of 4-40, 6-32 and 8-32. 100 pieces of each size complete with cabinet.

STH-22KIT-ND **$650.91**

1/4" Round Threaded Standoff Kit

Brass - Assortment of 1500 pieces in 1/4", 3/8", 1/2", 3/4" and 1" lengths with thread sizes of 4-40, 6-32 and 8-32. 100 pieces of each size complete with cabinet.

STR-15KIT-ND **$409.04**

Male/Female .250" Hex Threaded Standoffs

- **Brass:** ASTM-B16
- **Plating:** Nickel (QQ-N-290)
- **Aluminum:** QQ-Q-225/3
- **Plating:** Clear Iridite (Mil-C-5541)

Length (inch)	4-40 Thread Part No.	Pricing 10	Pricing 100	6-32 Thread Part No.	Pricing 10	Pricing 100	8-32 Thread Part No.	Pricing 10	Pricing 100
				Aluminum (Iridite MIL-C-5441)					
.250	8714K-ND*	3.39	23.60	8717K-ND*	3.76	26.30	—	—	—
.375	8400K-ND†	3.85	26.75	8413K-ND†	3.98	27.80	8426K-ND†	4.61	36.85
.500	8401K-ND	4.69	37.40	8414K-ND	4.03	28.05	8427K-ND	4.69	37.40
.625	8402K-ND	5.05	40.10	8415K-ND	4.45	35.40	8428K-ND	5.05	40.10
.750	8403K-ND	5.13	40.85	8416K-ND	4.49	35.80	8429K-ND	5.37	42.80
.875	8404K-ND	5.57	44.40	8417K-ND	4.89	38.95	8430K-ND	5.97	47.50
1.000	8405K-ND	5.89	46.90	8418K-ND	5.13	40.85	8431K-ND	6.33	50.40
1.125	8406K-ND	7.22	57.35	8419K-ND	5.29	42.10	8432K-ND	8.49	68.65
1.250	8407K-ND	7.29	58.10	8420K-ND	5.65	44.95	8433K-ND	8.80	71.00
1.375	8408K-ND	8.55	69.00	8421K-ND	6.41	51.05	8434K-ND	9.50	76.65
1.500	8409K-ND	8.74	70.50	8422K-ND	7.33	58.50	8435K-ND	9.60	77.50
1.625	8410K-ND	9.00	72.65	8423K-ND	7.45	59.25	8436K-ND	9.69	78.15
1.750	8411K-ND	9.20	74.20	8424K-ND	7.81	62.25	8437K-ND	9.79	79.05
2.000	8412K-ND	9.50	76.65	8425K-ND	7.97	63.60	8438K-ND	9.90	79.95
				Brass					
.250	8713K-ND*	3.94	27.45	8716K-ND*	3.85	26.75	—	—	—
.375	7200K-ND†	3.81	30.25	7210K-ND†	3.93	31.35	7220K-ND†	4.57	36.25
.500	1944K-ND	4.97	39.60	1952K-ND	4.29	34.15	1957K-ND	4.61	36.65
.625	1945K-ND	5.05	40.10	1953K-ND	5.45	43.30	1958K-ND	6.41	51.05
.750	1946K-ND	6.01	47.85	1954K-ND	5.73	45.65	1959K-ND	6.73	53.75
.875	7201K-ND	6.09	48.50	7211K-ND	6.57	52.35	7221K-ND	7.37	58.70
1.000	1947K-ND	6.73	53.75	1644K-ND	6.77	54.00	1960K-ND	7.74	61.60
1.125	7202K-ND	7.29	58.10	7212K-ND	7.22	57.35	7222K-ND	8.30	66.85
1.250	1948K-ND	10.34	83.60	1955K-ND	8.54	68.00	1961K-ND	10.34	83.60
1.375	1949K-ND	10.59	85.50	1956K-ND	9.26	73.75	1962K-ND	10.59	85.50
1.500	1950K-ND	11.09	88.55	1645K-ND	9.37	74.65	1963K-ND	11.09	89.55
1.625	7203K-ND	11.19	90.35	7214K-ND	11.19	90.35	7224K-ND	11.19	90.35
1.750	7205K-ND	11.60	100.95	7215K-ND	11.60	100.95	7225K-ND	11.60	100.95
2.000	1951K-ND	11.69	101.65	1646K-ND	11.69	101.65	1964K-ND	11.69	101.65
.600	8799K-ND‡	5.01	39.90	—	—	—	—	—	—
				Nylon 6/6					
.250	4800K-ND	3.95	27.90	4814K-ND*	3.95	27.90	4828K-ND*	3.95	27.90
.375	4801K-ND	4.03	28.50	4815K-ND	4.03	28.50	4829K-ND†	4.03	28.50
.500	4802K-ND	4.19	29.55	4816K-ND	4.19	29.55	4830K-ND	4.19	29.55
.625	4803K-ND	4.28	30.15	4817K-ND	4.28	30.15	4831K-ND	4.28	30.15
.750	4804K-ND	3.82	30.75	4818K-ND	3.82	30.75	4832K-ND	3.82	30.75
.875	4805K-ND	3.89	31.35	4819K-ND	3.89	31.35	4833K-ND	3.89	31.35
1.000	4806K-ND	3.96	31.95	4820K-ND	3.96	31.95	4834K-ND	3.96	31.95
1.125	4807K-ND	4.00	32.25	4821K-ND	4.00	32.25	4835K-ND	4.00	32.25
1.250	4808K-ND	4.03	32.50	4822K-ND	4.03	32.50	4836K-ND	4.03	32.50
1.375	4809K-ND	4.10	33.10	4823K-ND	4.10	33.10	4837K-ND	4.10	33.10
1.500	4810K-ND	4.17	33.55	4824K-ND	4.17	33.55	4838K-ND	4.17	33.55
1.625	4811K-ND	4.24	34.25	4825K-ND	4.24	34.25	4839K-ND	4.24	34.25
1.750	4812K-ND	4.31	34.90	4826K-ND	4.31	34.90	4840K-ND	4.31	34.90
2.000	4813K-ND	4.38	35.40	4827K-ND	4.38	35.40	4841K-ND	4.38	35.40
.600	4799K-ND‡	4.24	29.85	—	—	—	—	—	—
				Stainless Steel					
.250	8712K-ND	15.82	146.05	—	—	—	—	—	—
.375	2087K-ND	16.55	152.80	—	—	—	—	—	—
1.000	2092K-ND	19.88	186.60	—	—	—	—	—	—
1.250	—	—	—	2126K-ND	22.93	211.70	—	—	—

* Internal Thread .130/.150 deep † Internal Thread .250 deep ‡ PC/T04 and PC/104 Plus

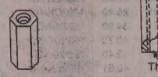
Hex Brass Standoff Kit Assortment of 750 in 1/2", 3/4", 1", 1-1/4", and 1-1/2" lengths with thread sizes of 4-40, 6-32 and 8-32. 50 pieces of each size complete with cabinet.

STH-19KIT-ND **$801.09**

K

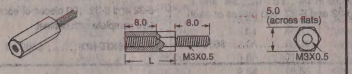
KEYSTONE

Metric 5mm Hex Threaded Standoffs



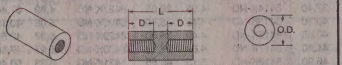
"L" Length (mm)	Digi-Key Part No.	Pricing 10	100
5	4390K-ND	3.80	30.75
10	4391K-ND	4.51	36.40
15	4392K-ND	5.01	40.40
20	4393K-ND	5.91	47.60
25	4394K-ND	6.48	52.35

Metric Male/Female 5mm Hex Threaded Standoffs



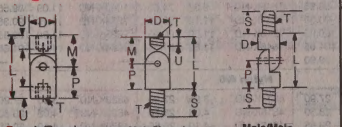
"L" Length (mm)	Digi-Key Part No.	Pricing 10	100
10	4313K-ND	5.79	46.70
12	4314K-ND	5.94	47.85
15	4315K-ND	6.20	50.00
18	4316K-ND	6.69	54.15
20	4317K-ND	6.89	55.65
25	4318K-ND	7.59	61.30

Ceramic Standoffs



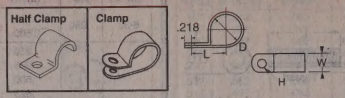
Thread	O.D.	"L" Length (Inch)	D (2) Depth	Digi-Key Part No.	Pricing 10	100
6-32	.250	.250	thru	7710K-ND	22.32	154.45
	.250	.500	.156	7711K-ND	25.38	172.60
	.375	.375	.156	7712K-ND	21.14	145.25
	.375	.500	.187	7713K-ND	21.75	149.95
	.500	.500	.140	7714K-ND	23.58	163.55
	.500	.750	.250	7715K-ND	24.78	172.60
	.500	1.000	.375	7716K-ND	26.57	181.65
	.500	1.500	.562	7717K-ND	31.40	218.10
	.500	2.500	.500	7718K-ND	37.77	277.15
1/4-20	.750	2.500	.750	7719K-ND	52.64	395.10
	.750	4.000	.750	7720K-ND	63.56	476.90

Hinged Standoffs



T Thread	D Dia. (Inch)	L	Dimensions (Inch) S	U	M	P	Digi-Key Part No.	Pricing 10	100
Female/Female-Hinge									
4-40	.187	.750	—	.172	.375	.375	351K-ND	13.55	77.35
4-40	.187	1.000	—	.250	.375	.625	352K-ND	14.44	82.50
6-32	.250	.750	—	.172	.375	.375	353K-ND	19.32	110.10
6-32	.250	1.000	—	.250	.375	.625	354K-ND	19.74	112.70
8-32	.250	.750	—	.172	.375	.375	355K-ND	17.46	99.90
8-32	.250	1.000	—	.250	.375	.625	356K-ND	18.38	105.00
Male/Female-Hinge									
4-40	.187	.625	.250	.172	.375	.250	333K-ND	15.88	90.70
4-40	.187	.875	.250	.250	.625	.250	334K-ND	16.78	95.60
6-32	.250	.625	.312	.172	.375	.250	335K-ND	19.11	109.15
6-32	.250	.875	.312	.250	.625	.250	336K-ND	19.52	111.55
Male/Male-Hinge									
4-40	.187	.500	.250	—	—	.250	357K-ND	18.22	104.20
6-32	.250	.500	.312	—	—	.250	358K-ND	18.91	107.90
8-32	.250	.500	.312	—	—	.250	359K-ND	21.22	121.05

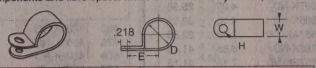
Metal Cable Clamps



D	Dimensions – Inch L	W	H	Digi-Key Part No.	Pricing 10	100
Steel Half Clamps						
.125	.437	.500	.218	8140K-ND	1.47	10.45
.187	.437	.500	.218	8141K-ND	1.55	11.30
.250	.437	.500	.218	8142K-ND	1.66	11.70
.312	.500	.500	.218	8143K-ND	1.79	12.65
.375	.531	.625	.218	8144K-ND	2.09	14.60
.437	.562	.625	.218	8145K-ND	2.20	15.50
.500	.625	.625	.218	8146K-ND	2.74	19.35
.562	.687	.625	.218	8147K-ND	2.81	19.90
.625	.750	.625	.218	8148K-ND	2.94	20.90
.687	.812	.625	.218	8149K-ND	3.02	21.40
.750	.812	.625	.218	8150K-ND	3.14	22.15
.812	.875	.625	.218	8151K-ND	3.26	23.10
.875	.937	.750	.281	8152K-ND	3.56	25.10
.937	.968	.750	.281	8153K-ND	3.69	26.20
1.000	1.000	.750	.281	8154K-ND	3.83	27.00
Insulated Steel Half Clamps						
.187	.437	.500	.218	8160K-ND	3.99	27.80
.250	.500	.500	.218	8161K-ND	3.95	31.45
.312	.531	.625	.218	8162K-ND	4.47	35.55
.375	.562	.625	.218	8163K-ND	4.67	37.20
.437	.625	.625	.218	8164K-ND	5.27	41.85
.500	.687	.625	.218	8165K-ND	3.87	30.90
.562	.750	.625	.218	8166K-ND	4.01	31.95
.625	.812	.625	.218	8167K-ND	4.11	32.90
.687	.812	.625	.218	8168K-ND	4.26	33.90
.750	.875	.625	.218	8169K-ND	4.64	37.00
.812	.937	.750	.281	8170K-ND	5.84	46.50
.875	.968	.750	.281	8171K-ND	6.07	48.25
.937	1.000	.750	.281	8172K-ND	7.14	56.80
1.000	1.062	.750	.281	8173K-ND	6.73	53.60
Steel Clamps						
.250	.406	.500	.203	8101K-ND	1.82	12.95
.312	.437	.500	.203	8102K-ND	1.90	13.40
.375	.468	.500	.203	8103K-ND	1.97	14.00
.437	.500	.500	.203	8104K-ND	2.05	14.50
.500	.531	.500	.203	8105K-ND	2.15	15.20
.562	.562	.500	.203	8106K-ND	2.26	16.05
.625	.594	.500	.203	8107K-ND	2.34	16.50
.687	.625	.500	.203	8108K-ND	2.42	17.15
.750	.656	.500	.203	8109K-ND	2.49	17.65
.812	.687	.500	.203	8110K-ND	2.57	18.05
.875	.718	.500	.203	8111K-ND	2.66	18.80
.937	.750	.500	.203	8112KS-ND	2.75	19.50
1.000	.781	.500	.203	8113K-ND	2.82	19.95
Insulated Steel Clamps						
.187	.406	.500	.203	8121K-ND	3.41	24.05
.250	.437	.500	.203	8122K-ND	3.52	24.90
.312	.468	.500	.203	8123K-ND	3.66	25.95
.375	.500	.500	.203	8124KS-ND	3.78	26.65
.437	.531	.500	.203	8125K-ND	3.92	27.90
.500	.562	.500	.203	8126K-ND	4.06	28.75
.562	.594	.500	.203	8127K-ND	4.21	29.95
.625	.625	.500	.203	8128K-ND	3.81	30.65
.687	.656	.500	.203	8129K-ND	3.91	31.55
.750	.687	.500	.203	8130K-ND	4.03	32.65
.812	.718	.500	.203	8131K-ND	4.13	33.35
.875	.750	.500	.203	8132K-ND	4.25	34.35
.937	.781	.500	.203	8133K-ND	4.37	35.10
1.000	.812	.500	.203	8134K-ND	4.48	36.25

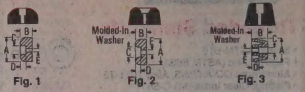
Nylon Cable Clamps

Ideal for securing, insulating and routing cable wiring, piping, tubing, components and fibre optics. Made of .050" thick nylon 6/6, white.



D	Dimensions – Inch E	W	H	Digi-Key Part No.	Pricing 100	500	1,000
.125	.325	.375	.140	7620K-ND	4.70	20.50	23.60
.125	.325	.375	.203	7621K-ND	4.70	20.50	23.60
.187	.380	.375	.140	7622K-ND	4.80	21.00	23.90
.187	.380	.375	.203	7623K-ND	4.80	21.00	23.90
.250	.410	.375	.140	7624K-ND	4.89	20.94	24.54
.250	.410	.375	.203	7625K-ND	4.90	21.00	24.80
.312	.445	.375	.140	7626K-ND	4.90	21.75	25.35
.312	.445	.375	.203	7627K-ND	4.90	21.75	25.35
.375	.475	.375	.140	7628K-ND	5.30	22.50	27.25
.375	.475	.375	.203	7629K-ND	5.30	22.50	27.25
.437	.525	.375	.140	7630K-ND	5.65	24.00	28.25
.437	.525	.375	.203	7631K-ND	5.65	24.00	28.25
.500	.550	.375	.140	7632K-ND	5.65	24.50	29.05
.500	.550	.375	.203	7633K-ND	5.65	24.50	29.05
.562	.625	.500	.203	7634K-ND	8.75	38.00	44.50
.625	.660	.500	.203	7635K-ND	9.40	39.25	46.70
.750	.785	.500	.203	7636K-ND	10.45	44.25	53.60
.875	.845	.500	.203	7637K-ND	11.40	48.00	57.15
1.000	.910	.500	.203	7638K-ND	11.70	50.00	59.70
1.125	.970	.500	.203	7639K-ND	16.75	71.00	84.15
1.125	1.060	.500	.203	7640K-ND	17.95	76.50	91.45

Recessed Bumpers



Provides excellent traction and shock absorbing qualities. Materials: Rubber, BUNA S, (fig. 1 & 2) Vinyl, (fig. 3).

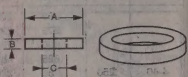
Fig.	A	Dimensions (Inch) B	C	D	E	Screw Size	Digi-Key Part No.	Pricing 10	100
1	.500	.250	.250	.125	.125	#4	720K-ND	1.98	14.00
	.625	.312	.250	.187	.125	#4	721K-ND	3.14	22.15
	.718	.437	.250	.218	.125	#4	722K-ND	5.51	44.50
2	.937	.375	.375	.187	.187	#8	723K-ND	5.28	42.80
	.687	.250	.343	.125	.155	#6	724K-ND*	4.06	32.90
	.875	.312	.406	.187	.187	#8	725K-ND*	7.50	60.60
3	1.062	.437	.468	.234	.200	#10	726K-ND*	9.34	75.30
	.562	.375	.218	.187	.115	#4	727K-ND	4.91	39.65
	.750	.437	.265	.250	.148	#6	728K-ND	5.54	44.70
	.937	.625	.359	.297	.174	#8	729K-ND	8.19	66.10

* Gray — all others black.

Flat Washers

Fibre:
Commercial per ASTM D710, Grade CH

Nylon:
Grade 6/6 per ASTM D4066



A O.D.	Dimensions – Inch B Thick	C I.D.	Digi-Key Part No.	Pricing 100	500	1,000
Nylon Material — # 2 Screw Size						
.250	.032	.098	3347K-ND	2.95	13.00	12.95
Fibre Material — #4 Screw Size						
.250	.032	.120	3118K-ND	3.05	13.50	—
.312	.032	.120	348K-ND	3.05	13.50	—
.375	.032	.120	3117K-ND	3.15	13.50	—
.250	.047	.120	3154K-ND	3.05	13.50	—
.312	.047	.120	3155K-ND	3.05	13.50	13.60
.375	.047	.120	3156K-ND	3.45	14.50	15.50
.250	.062	.120	3368K-ND	3.05	13.50	13.65
.312	.062	.120	3196K-ND	3.05	13.50	16.95
.375	.062	.120	3197K-ND	3.15	13.50	16.05
Nylon Material — #4 Screw Size						
.250	.032	.120	3348K-ND	2.95	13.00	—
.312	.032	.120	3359K-ND	3.55	15.00	18.05
.375	.032	.120	3118K-ND	3.75	16.50	19.35
.250	.047	.120	345K-ND	3.55	14.75	—
.312	.047	.120	3157K-ND	3.00	13.00	17.45
.375	.047	.120	3158K-ND	3.00	13.00	19.25
.250	.062	.120	3358K-ND	3.00	13.00	17.45
.312	.062	.120	3198K-ND	3.55	15.00	23.10
.375	.062	.120	3200K-ND	3.55	14.75	21.80
Fibre Material — #6 Screw Size						
.250	.032	.140	3119K-ND	3.05	13.50	—
.312	.032	.140	3120K-ND	3.05	13.50	—
.375	.032	.140	3121K-ND	3.15	13.50	—
.250	.047	.140	3159K-ND	3.05	13.50	—
.312	.047	.140	3160K-ND	3.05	13.50	13.60
.375	.047	.140	3161K-ND	3.45	14.50	15.50
.250	.062	.140	3369K-ND	3.05	13.50	13.65
.312	.062	.140	3370K-ND	3.05	13.50	14.80
.375	.062	.140	3201K-ND	3.15	13.50	16.05
Nylon Material — #6 Screw Size						
.250	.032	.140	3122K-ND	2.95	13.00	—
.312	.032	.140	3349K-ND	2.95	13.00	14.40
.375	.032	.140	3123K-ND	3.75	16.50	19.35
.250	.047	.140	3162K-ND	2.95	13.00	14.00
.312	.047	.140	346K-ND	3.75	15.75	17.45
.375	.047	.140	3163K-ND	3.00	13.00	19.25
.250	.062	.140	3360K-ND	2.95	13.00	17.45
.312	.062	.140	3361K-ND	3.55	15.00	23.10
.375	.062	.140	3202K-ND	3.55	14.75	21.80
Fibre Material — #8 Screw Size						
.312	.032	.171	3124K-ND	3.05	13.50	12.20

Nylon Shoulder Washers/ Bushings

Material:
Nylon, Grades 6/6 per ASTM D4066

L	Dimensions – Inch A	B	C	D	Digi-Key Part No.	Pricing 100	500
#4 Screw Size							
.031	.218	.040	.115	.135	3049K-ND	4.35	18.25
.047	.250	.032	.115	.185	7681K-ND	5.65	24.50
.093	.235	.047	.115	.145	3053K-ND	8.20	34.50
.125	.235	.047	.115	.145	3102K-ND	8.20	34.50
.18	.235	.047	.115	.145	3103K-ND	8.20	34.50
.250	.235	.047	.115	.145	340K-ND	9.25	39.25
#6 Screw Size							
.032	.385	.062	.146	.240	7682K-ND	5.45	26.50
.032	.250	.062	.140	.187	7683K-ND	5.45	22.75
.032	.312	.062	.140	.187	7684K-ND	5.95	25.00
.125	.290	.047	.140	.170	3054K-ND	8.20	34.50
.187	.290	.047	.140	.170	3104K-ND	8.55	37.00
.250	.290	.047	.140	.170	341K-ND	9.25	39.25
.500	.290	.047	.140	.170	3055K-ND	9.40	39.75

More Product Available Online: www.digikey.com
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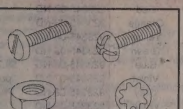
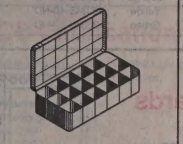
BUILDING FASTENERS





Digi-Key® Electronic Hardware Kits come complete with a divided plastic box for easy storage.

Phillips Panhead Sheet Metal Screws

Steel, Zinc Plated

Description	Digi-Key Part No.	Pricing 100	1,000
4 x 3/8	H800-ND	1.56	12.48
4 x 1/2	H801-ND	2.40	19.20
4 x 3/4	H802-ND	2.55	20.40
6 x 3/8	H803-ND	1.85	14.78
6 x 1/2	H804-ND	2.46	19.68
6 x 3/4	H805-ND	2.60	20.83
8 x 3/8	H806-ND	2.10	16.80
8 x1/2	H807-ND	2.76	22.08
8 x 3/4	H808-ND	4.41	35.28

Hex Head Sheet Metal Screws

Steel, Zinc Plated

Description	Digi-Key Part No.	Pricing 100	1,000
4 x 3/8	H809-ND	9.72	77.76
4 x 1/2	H810-ND	10.73	85.87
4 x 3/4	H811-ND	13.38	107.04
6 x 3/8	H812-ND	5.58	44.64
6 x 1/2	H813-ND	7.60	60.82
6 x 3/4	H814-ND	9.54	76.32
8 x 3/8	H815-ND	7.84	62.74
8 x1/2	H816-ND	8.16	65.28
8 x 3/4	H817-ND	9.95	79.63

Phillips Nylon Machine Screws

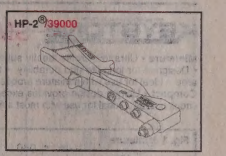
Nylon 66 - Melting Point is 500°F (260°C)

Description	Digi-Key Part No.	Pricing 100	1,000
2-56 x 1/4	H530-ND	8.86	70.90
2-56 x 1/2	H534-ND ◆	9.10	72.82
2-56 x 3/4	H538-ND	9.26	74.11
4-40 x 1/4	H542-ND ◆	8.86	70.90
4-40 x 3/8	H544-ND ◆	9.00	72.00
4-40 x 1/2	H546-ND ◆	9.10	72.82
4-40 x 5/8	H548-ND	9.19	73.54
4-40 x 3/4	H550-ND ◆	9.26	74.11
6-32 x 1/4	H554-ND ◆	9.26	74.11
6-32 x 3/8	H556-ND	9.43	75.46
6-32 x 1/2	H560-ND ◆	9.51	76.08
6-32 x 5/8	H564-ND	9.57	76.56
6-32 x 3/4	H568-ND	9.59	76.75
6-32 x 1	H572-ND	9.66	77.28
8-32 x 1/4	H576-ND ◆	9.17	73.34
8-32 x 3/8	H580-ND	9.24	73.92
8-32 x 1/2	H584-ND	9.04	72.34
8-32 x 5/8	H588-ND	9.46	75.70
8-32 x 3/4	H592-ND	9.42	75.36
8-32 x 1	H596-ND ◆	9.46	75.65
10-32 x 1/2	H600-ND	10.19	81.55
10-32 x 3/4	H604-ND	10.20	81.60
10-32 x 1	H608-ND ◆	10.38	83.04

Rivets

Description	Digi-Key Part No.	Pricing 100	1,000
Aluminum Rivets			
3/32 x .250	H251-ND	7.56	60.48
3/32 x .375	H252-ND	7.60	60.80
1/8 x .212	H253-ND	6.15	49.20
1/8 x .275	H254-ND	4.65	37.20
1/8 x .337	H255-ND	5.03	40.20
1/8 x .400	H256-ND	5.18	41.40
1/8 x .462	H257-ND	8.40	67.20
1/8 x .650	H258-ND	10.28	82.20
Aluminum Large Flange Rivets			
1/8 x .275	H260-ND	8.65	69.20
1/8 x .400	H261-ND	9.00	72.00
1/8 x .525	H262-ND	11.00	88.00
Steel Rivets			
3/32 x .250	H263-ND	8.73	69.80
3/32 x .375	H264-ND	9.00	72.00
1/8 x .212	H265-ND	4.14	33.08
1/8 x .275	H266-ND	4.64	37.12
1/8 x .337	H267-ND	5.22	41.76
1/8 x .400	H268-ND	5.30	42.36
1/8 x .526	H269-ND	7.98	63.80
Steel Large Flange Rivets			
1/8 x .275	H270-ND	8.93	71.40
1/8 x .400	H271-ND	9.21	73.68
1/8 x .525	H272-ND	11.25	90.00

Hand Rivet Tools



The HP-2 is the largest selling hand rivet tool in the industry. Its square shoulder fulcrum pin of cold-formed heat-treated steel prevents pin rotation that can elongate the engaging holes and cause premature tool failure in imitation tools. The HP-2 hand rivet tool sets up to 3/16" steel rivets and comes with four mounted nosepieces (3/32", 1/8", 5/32" and 3/16") and a service wrench.

H1001-ND **$37.70**

200 Kit™ 39001

The deluxe hand riveter kit includes the HP-2 and 200 assorted Klik-Fast rivets in popular sizes.

H1002-ND **$68.12**

Phillips Panhead Machine Screws

Steel, Zinc Plated

Description	Digi-Key Part No.	Pricing 100	1,000
2-56 x 1/4	H330-ND†	6.39	51.12
2-56 x 1/2	H334-ND†	4.64	37.15
2-56 x 3/4	H338-ND	8.62	68.93
4-40 x 1/4	H342-ND†	2.98	23.81
4-40 x 5/16	H343-ND	1.92	15.36
4-40 x 3/8	H781-ND	1.62	12.96
4-40 x 1/2	H346-ND†	1.37	10.99
4-40 x 5/8	H348-ND	2.28	18.24
4-40 x 3/4	H350-ND	2.13	17.04
6-32 x 1/4	H354-ND†	1.92	15.36
6-32 x 5/16	H355-ND	2.10	16.80
6-32 x 3/8	H356-ND ◆	2.22	17.76
6-32 x 7/16	H357-ND	4.74	37.92
6-32 x 1/2	H360-ND†	2.28	18.24
6-32 x 5/8	H364-ND ◆	2.34	18.72
6-32 x 3/4	H368-ND ◆	2.37	18.96
6-32 x 1	H372-ND ◆	2.63	21.07
8-32 x 1/4	H376-ND	2.01	16.08
8-32 x 3/8	H380-ND†	2.15	17.23
8-32 x 1/2	H384-ND ◆	2.85	22.80
8-32 x 5/8	H388-ND†	2.94	23.52
8-32 x 3/4	H392-ND ◆	2.97	23.76
8-32 x 1	H396-ND ◆	3.23	25.87
10-32 x 1/2	H400-ND ◆	3.75	30.00
10-32 x 3/4	H404-ND ◆	4.06	32.45
10-32 x 1	H408-ND ◆	5.48	43.87

Slotted Panhead Machine Screws

Steel, Zinc Plated

Description	Digi-Key Part No.	Pricing 100	1,000
2-56 x 1/4	H130-ND★	8.18	65.42
2-56 x 1/2	H134-ND★	4.64	37.15
2-56 x 3/4	H138-ND	11.23	89.86
4-36 x 1/2	H140-ND	2.40	19.20
4-40 x 1/4	H142-ND★	2.27	18.14
4-40 x 5/16	H143-ND	1.89	15.12
4-40 x 1/2	H146-ND★	1.37	10.99
4-40 x 5/8	H148-ND	1.52	12.14
4-40 x 3/4	H150-ND	1.68	13.44
6-32 x 1/4	H154-ND★	1.48	11.81
6-32 x 5/16	H155-ND	1.54	12.34
6-32 x 3/8	H156-ND§	1.59	12.72
6-32 x 7/16	H157-ND	1.65	13.20
6-32 x 1/2	H160-ND★	1.69	13.54
6-32 x 5/8	H164-ND§	2.58	20.64
6-32 x 3/4	H168-ND§	1.95	15.60
6-32 x 1	H172-ND§	2.29	18.34
8-32 x 1/4	H176-ND	2.01	16.08
8-32 x 3/8	H180-ND★	2.15	17.23
8-32 x 1/2	H184-ND§	2.27	18.19
8-32 x 5/8	H188-ND★	2.50	19.97
8-32 x 3/4	H192-ND§	2.71	21.70
8-32 x 1	H196-ND§	3.23	25.87
10-32 x 1/2	H200-ND§	3.30	26.40
10-32 x 3/4	H204-ND§	4.06	32.45
10-32 x 1	H208-ND§	5.48	43.87

nc Plated Nuts d Washers

scrip-n	Digi-Key Part No.	Pricing 100	1,000
Hex Nuts			
2 - 56	H212-ND†★	1.31	10.51
4 - 40	H216-ND†★	.93	7.44
6 - 32	H220-ND ◆†★§	1.44	11.52
8 - 32	H224-ND ◆†★§	1.95	15.60
10 - 32	H228-ND ◆§	1.98	15.84
Internal Tooth Lock Washers			
.2	H232-ND†★	7.41	59.28
.4	H236-ND†★	.97	7.78
.6	H240-ND ◆†★§	1.13	9.07
.8	H244-ND ◆†★§	1.20	9.60
.10	H248-ND ◆§	1.47	11.76
Flat Washers			
.2	H776-ND	2.70	21.60
.4	H777-ND	2.81	22.46
.6	H778-ND	.97	7.78
.8	H779-ND	1.30	10.37
.10	H780-ND	1.62	12.96

Digi-Key® Zinc Plated Hardware Kits

Sizes #2, #4, #6, and #8.
1600 pieces total.
100 pieces each of the following:

★**1606-KIT-ND** (Slotted)... **$17.95**
†**1602-KIT-ND** (Phillips) ... **$17.95**

Sizes #6, #8, and #10.
1600 pieces total.
100 pieces each of the following:

§**1601-KIT-ND** (Slotted) **$27.95**
◆ **1603-KIT-ND** (Phillips) **$27.78**

Digi-Key® Nylon Hardware Kits

Sizes #2, #4, #6, #8 and #10.
1500 pieces total.
100 pieces each of the following:

◆ **1604-KIT-ND** (Phillips) **$53.94**

tric Phillips, nhead Machine Screws

c Plated

escription	Digi-Key Part No.	Pricing 100	1,000
2 x 5mm	H738-ND§	6.72	53.76
2 x 8mm	H739-ND§	7.05	56.40
2 x 12mm	H740-ND§	5.90	47.23
3 x 5mm	H742-ND§	5.94	47.52
3 x 8mm	H743-ND§	6.60	52.80
3 x 12mm	H744-ND§	6.90	55.20
3 x 20mm	H745-ND§	11.33	90.62
3 x 25mm	H746-ND§	11.46	91.68
4 x 5mm	H747-ND★	7.20	57.60
4 x 8mm	H748-ND★	7.56	60.48
4 x 12mm	H749-ND★	8.76	70.08
4 x 20mm	H750-ND★	11.55	92.40
4 x 25mm	H751-ND★	12.60	100.80
5 x 6mm	H752-ND	10.56	84.48
5 x 8mm	H753-ND	10.80	86.40
5 x 12mm	H754-ND	12.60	100.80
5 x 20mm	H755-ND	17.70	141.60
5 x 25mm	H756-ND	18.60	148.80
5 x 8mm	H757-ND★	20.40	163.20
6 x 12mm	H758-ND★	21.60	172.80
6 x 20mm	H759-ND★	25.80	206.40
6 x 25mm	H760-ND★	27.60	220.80

Metric Nuts and Washers

Zinc Plated

Description	Digi-Key Part No.	Pricing 100	1,000
Hex Nuts			
M2 Metric Hex Nut	H761-ND§	3.60	28.80
M3 Metric Hex Nut	H762-ND§	3.84	30.72
M4 Metric Hex Nut	H763-ND★	4.20	33.60
M5 Metric Hex Nut	H764-ND	4.80	38.40
M6 Metric Hex Nut	H765-ND★	5.34	42.72
Split Lock Washers			
M2 Lock Washers	H771-ND§	5.40	43.20
M3 Lock Washers	H772-ND§	4.26	34.08
M4 Lock Washers	H773-ND★	4.74	37.92
M5 Lock Washers	H774-ND	5.34	42.72
M6 Lock Washers	H775-ND★	6.30	50.40
Flat Washers			
M2 Flat Washers	H766-ND§	3.30	26.40
M3 Flat Washers	H767-ND§	3.60	28.80
M4 Flat Washers	H768-ND★	3.66	29.28
M5 Flat Washers	H769-ND	3.75	30.00
M6 Flat Washers	H770-ND★	4.80	38.40

Digi-Key® Metric Hardware Kits

Sizes M2 and M3. Zinc Plated.
1400 pieces total.
100 pieces each of the following:

1605-KIT-ND (Phillips) **$59.95**

Sizes M4 and M6. Zinc Plated.
1500 pieces total.
100 pieces each of the following:

★**1606-KIT-ND** (Phillips) **$99.95**

Phillips, Panhead Machine Screws

Stainless Steel

Description	Digi-Key Part No.	Pricing 100	1,000
2-56 x 1/4	H700-ND★	6.87	54.96
2-56 x 1/2	H701-ND★	5.28	42.24
2-56 x 3/4	H702-ND★	5.34	42.72
4-40 x 1/4	H703-ND★	4.13	33.02
4-40 x 5/16	H704-ND★	3.34	26.74
4-40 x 1/2	H705-ND★	4.05	32.40
4-40 x 3/8	H782-ND	3.60	28.80
4-40 x 5/8	H706-ND★	4.41	35.28
4-40 x 3/4	H707-ND★	6.36	50.88
6-32 x 1/4	H708-ND†	4.08	32.64
6-32 x 5/16	H709-ND	4.39	35.09
6-32 x 3/8	H710-ND	4.51	36.10
6-32 x 1/2	H711-ND†	4.77	38.16
6-32 x 5/8	H712-ND	5.52	44.16
6-32 x 3/4	H713-ND†	6.33	50.64
6-32 x 1	H714-ND	6.64	53.09
8-32 x 3/8	H715-ND†	6.16	49.25
8-32 x 1/2	H716-ND†	6.70	53.62
8-32 x 5/8	H717-ND	7.33	58.66
8-32 x 3/4	H718-ND†	9.18	73.44
8-32 x 1	H719-ND	10.56	84.48
10-32 x 1/2	H720-ND†	11.00	88.03
10-32 x 3/4	H721-ND†	12.52	100.13
10-32 x 1	H722-ND†	20.46	163.68

Stainless Steel Nuts and Washers

Description	Digi-Key Part No.	Pricing 100	1,000
Hex Nuts			
No. 2 - 56 Hex Nut	H723-ND★	4.99	39.94
No. 4 - 40 Hex Nut	H724-ND★	4.13	33.02
No. 6 - 32 Hex Nut	H725-ND†	5.57	44.54
No. 8 - 32 Hex Nut	H726-ND†	5.95	47.62
No. 10 - 32 Hex Nut	H727-ND†	6.05	48.38
Internal Tooth Lock Washers			
No. 2 Lock Washer	H728-ND★	3.55	28.42
No. 4 Lock Washer	H729-ND★	2.50	19.97
No. 6 Lock Washer	H730-ND†	2.30	18.43
No. 8 Lock Washer	H731-ND†	2.88	23.04
No. 10 Lock Washer	H732-ND†	3.07	24.58
Flat Washers			
No. 2 Flat Washer	H733-ND★	2.30	18.43
No. 4 Flat Washer	H734-ND★	3.36	26.88
No. 6 Flat Washer	H735-ND	3.66	29.28
No. 8 Flat Washer	H736-ND	3.90	31.20
No. 10 Flat Washer	H737-ND	4.74	37.92

Digi-Key® Stainless Steel Hardware Kits

Sizes #2 and #4.
1400 pieces total.
100 pieces each of the following:

★**1607-KIT-ND** (Phillips) **$39.95**

Sizes #6, #8, and #10.
1500 pieces total.
100 pieces each of the following:

†**1608-KIT-ND** (Phillips) **$79.95**

KEYSTONE PC Test Points

Features: • Color keyed for visibility and quick identification • Economical choice for PC test point terminations • Snap-fit mounting provides positive retention for wave soldering • Wire form loop for safe, non-slip testing • Space saving, ultra low and low profile designs • High profile for difficult to reach applications • Suitable for high density packaging on .062" (1.57mm) & .093" (2.36mm) PC boards • Practical replacement for wire-wrap posts and turrets • Secure grip for J hooks, EZ hooks, grabbers, alligator clips, tips or probes • Plastic base strengthens terminal for positive holding power • Ideal for reliable production testing and field service troubleshooting

Fig. 1 Miniature

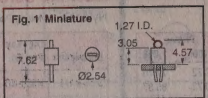


Fig. 2 Compact

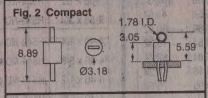


Fig. 3 Multipurpose

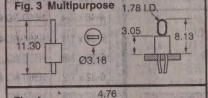


Fig. 4

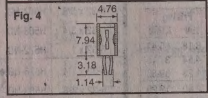


Fig.	Base Color	Digi-Key Part No.	Price Each 10	100	500	Keystone Part No.
1	Red	5000K-ND	.29	.20	.18	5000
	Black	5001K-ND	.29	.20	.18	5001
	White	5002K-ND	.29	.20	.18	5002
	Orange	5003K-ND	.29	.20	.18	5003
	Yellow	5004K-ND	.29	.20	.18	5004
2	Red	5005K-ND	.29	.20	.18	5005
	Black	5006K-ND	.29	.20	.18	5006
	White	5007K-ND	.29	.20	.18	5007
	Orange	5008K-ND	.29	.20	.18	5008
	Yellow	5009K-ND	.29	.20	.18	5009
3	Red	5010K-ND	.29	.20	.18	5010
	Black	5011K-ND	.29	.20	.18	5011
	White	5012K-ND	.29	.20	.18	5012
	Orange	5013K-ND	.29	.20	.18	5013
	Yellow	5014K-ND	.29	.20	.18	5014
4	Red	6043K-ND	1.33	.81	.79	6043
	Black	6044K-ND	1.33	.81	.79	6044

KEYSTONE SMT Test Points

Miniature • Ultra low profile ideally suited for advanced surface mount printed circuit board applications • Designed for long life and durability • Manufactured using flat wire to provide a large mounting surface area • Ideal for use with miniature probes, clips, and hooks • Efficient, safe, board level testing.
Compact • Unique design provides exceptional strength and durability • Simplifies testing on dense SMT circuit boards • Ideal for use with most standard probes, clips and hooks • Efficient, safe, board level testing

Fig. 1 Miniature

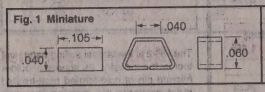


Fig. 2 Compact

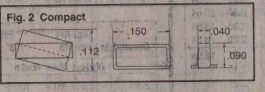


Fig.	Description	Digi-Key Part No.	Cut Tape Price Each 50	250	500	Digi-Key Part No.	Tape & Reel Pricing 1,000	Keystone Part No.
1	Miniature	5015KCT-ND	.25	.22	.18	5015KTR-ND	123.70	5015
2	Compact	5016KCT-ND	.23	.20	.17	5016KTR-ND	115.05	5016

KEYSTONE Binding Post

Fig. 1

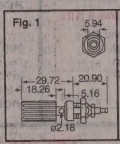


Fig. 2

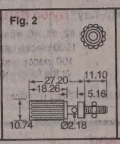


Fig. 3

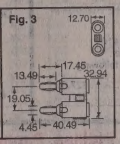
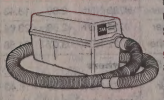


Fig.	Description	Base Color	Digi-Key Part No.	Price Each 1	10	100	Keystone Part No.
1	Standard	Red	7004K-ND	3.96	3.70	2.62	7004
1	Standard	Black	7005K-ND	3.96	3.70	2.62	7005
2	Economy	Red	7006K-ND	4.80	4.48	3.17	7006
2	Economy	Black	7007K-ND	4.80	4.48	3.17	7007
3	Dual Banana Plugs	Red	6088K-ND	11.78	11.00	7.77	6088
3	Dual Banana Plugs	Black	6089K-ND	11.78	11.00	7.77	6089
—	Dual Banana Plugs	—	7021K-ND	10.20	9.52	6.08	7021

3M Electronics Vacuum and Accessories

Electronic Vacuum Complete with hose, 32" - 10 ft. (81.28cm - 3.05 meters), wand, crevice tool, crevice tool brush, dusting brush, needle nozzle, 3-year warranty.



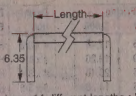
OPTIONS: Shoulder strap with shoulder pad.

SPECIFICATIONS: Electrical: 115VAC, 50/60Hz, 5.0 amps. **Dimensions:** Length: 17.80" (45.21cm). Width: 7.75" (19.69cm). Height: 9.25" (23.50cm). Weight: 9 lbs. 14 oz. (4.48kg). **Motor:** 1HP, continuous duty, thermally protected with automatic reset. Conducted RFI filtered (reduces EMI to be below FCC requirements).

Filter: Type 1, Small Particle: For trapping extremely fine particles: Typical applications color laser printers, color copiers and highly sensitive equipment. **Type 2, Medium Particle:** Designed to trap unwanted toner from copiers and laser printers, cleaning typewriters and data processing equipment.

Description	Digi-Key Part No.	Price Each 1	10	3M Part No.
Electronic Vacuum Cleaner 115 Vac	SCP148-ND	229.61	214.31	SV-497AJM
Carrying Strap with Shoulder Pad	SCP149-ND	9.98	9.31	SV-CS1
Type 1 Filter, Small Particle	SCP150-ND	23.68	22.11	SV-SPF1
Type 2 Filter, Medium Particle	SCP151-ND	13.31	12.43	SV-MPF2
Replacement Hose for Electronic and Tool Case Vacuum Cleaners				
30" Hose, Stretches to Approx. 10'	SCP230-ND	34.30	—	SV-SH32
50" Hose, Stretches to Approx. 16'	SCP231-ND	62.38	—	SV-SH50

3M Breadboard Jumper Wire Kit



• 350 wires • 14 different lengths • Wire is stripped • Leads bent 90° • Length is classified by color coding • Wire is solid tinned 22 gauge • PVC insulation.

Kit contains 25 each of 14 different lengths.

923351-ND **$27.24**

Replacement Wire

Length in. (mm)	Qty./ Pkg.	Color	Digi-Key Part No.	Price Pkg
0.1 (2.54)	200	(No Insulation)	923345-01-ND	
0.2 (5.08)	200	Red	923345-02-ND	
0.3 (7.62)	200	Orange	923345-03-ND	
0.4 (10.16)	200	Yellow	923345-04-ND	
0.5 (12.70)	200	Green	923345-05-ND	
0.6 (15.24)	150	Blue	923345-06-ND	$9.78
0.7 (17.78)	150	Violet	923345-07-ND	per
0.8 (20.32)	150	Gray	923345-08-ND	Pkg.
0.9 (22.86)	150	White	923345-09-ND	
1.0 (25.40)	100	Brown	923345-10-ND	
2.0 (50.80)	100	Red	923345-20-ND	
3.0 (76.20)	75	Orange	923345-30-ND	
4.0 (101.60)	75	Yellow	923345-40-ND	
5.0 (127.00)	75	Green	923345-50-ND	

3M A•C•E Board™ Solderless Breadboards

FEATURES:
• 0.1" x 0.1" (2.54mm) solderless tie point matrix accepts all DIP sizes and a wide variety of discrete components with lead diameters up to .032" (.81mm) • Capacities range from 610 to 5424 tie points

• Accommodate from 6 to 54, 14 pin DIPs • Separate distribution bases for power, ground and signal lines • Molded alphanumeric grid for faster, easier tie point identification.• Circuit elements are easily connected with #22 AWG solid wire • Strip boa are constructed of durable Acetal Copolymer with Alloy 688 terminals • Durable baseplates keep boa stationary during use and help to minimize noise and voltage spikes in today's high speed circuits.

AxCxE Model	DIP Capacity (Size)	Base Dim. Inch (cm) A	B	Total Tie Points	Total 5-Tie Point Term.	Binding Posts	Digi-Key Part No.	Pri Ea
354	54(14-Pin)	14.69 (37.31)	9.75 (24.77)	5424	768	4	922354-ND	111
345	45(14-Pin)	12.44 (31.60)	9.75 (24.77)	4520	640	4	922345-ND	100
336	36 (14-Pin)	10.25 (26.04)	9.25 (23.50)	3648	512	4	922336-ND	72
327	27 (14-Pin)	8.0 (20.32)	9.25 (23.50)	2712	384	4	922327-ND	70
318	18 (14-Pin)	7.75 (19.69)	6.25 (15.88)	1824	256	3	922318-ND	43
309	9 (14-Pin)	7.0 (17.78)	4.0 (10.16)	840	128	3	922309-ND	25
306	6 (14-Pin)	5.4 (13.72)	4.0 (10.16)	610	94	2	922306-ND	22

3M Super Strips and Circuit Strips

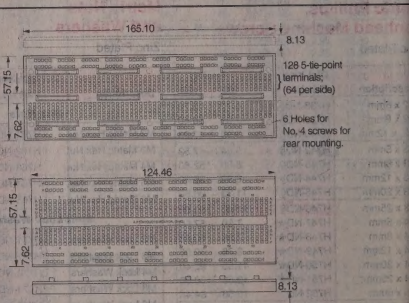
Universal Breadboarding Elements with Solderless Plug-In Tie Poin

As with all solderless breadboarding units from 3M, components simply plug-in and are interconnected ordinary solid hook-up wire; #22 AWG is recommended.

All sizes of DIPs and discrete components with lead diameters up to .032" (.82mm) can be accommodat

These handy strips may be permanently mounted with the integral non-shorting instant-mounting backing for quick removal, they may be mounted with screws on panels up to 1/8" (3.18mm) thick.

Hardware and mounting templates are provided with every strip.



SPECIFICATIONS

	SUPER-STRIP	CIRCUIT-STRIP
Size:	2.25" x 6.50" x .32" (57.15mm x 165.10mm x 8.13mm)	2.25" x 4.90" x .32" (57.15mm x 124.46mm x 8.13
Plug-In Tie-Points:	840	610
Materials: Body	Acetal Copolymer	Acetal Copolymer

SUPER-STRIP Terminals	Part No.	Price Each	CIRCUIT-STRIP Terminals	Part No.	Price E
Alloy 770	923252-ND	21.89	Alloy	923253-ND	15.4
Gold (10m)	923748-ND	69.21	Gold (10m)	923749-ND	70.0

K

Pulsar TONER TRANSFER SYSTEM

Make instant circuit boards using any laser printer or photocopier!

e 3-Step Process:
t circuit layout directly to TTS paper
the image to copper-clad board
k in water to remove paper; now ready to etch!

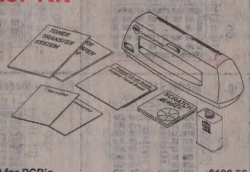
NO DARKROOM!
NO NEGATIVES!
NO CHEMICALS!
NO LOST TIME!

iled instructions included for making single and double sided PCB's
shows how to make custom full color decals for any application
et size: 8-1/2" x 11" (21.59cm x 27.94cm)

003-ND (10 Sheet Pack) $14.95

CB Fabrication Starter Kit

thing that you need to make high quality single ouble sided PCB's in 15 minutes.



cludes:
heets of TTS paper
n TRF
e TRF
x 10 x .032" Single Sided PCB's
x 10 x .032" Double Sided PCB's
A Laminator - 120VAC

024-ND **Complete PCB Fabrication Starter Kit for PCB's** $128.56

ecalPro "Mini" Starter Kit

thing to make B/W or full color decals. Perfect for adding an overlay to your box or project panel.

cludes: • 20 Sheets of TTS paper • "Carrier" TRF (15") • 60' Foil Samples • KK-2000 adhesive spray Low Tack" tape • 4.2 oz. Cleaner • Sample Images

025-ND **DecalPro "Mini" Starter Kit for panels and box graphics** $57.12

ner Foils "Green TRF"

e 4-Step Process: *1. Transfer image to copper surface using the TTS paper 2. Iron on the Green lm 3. Pour 2 ounces Ferric Chloride into tray 4. Using an etchant soaked sponge, rub away the nted copper. (Disposable gloves required)*

ks in conjunction with TTS paper • Completely seals the toner • ZERO pitting • Able to use heavier r boards • Size: 8" Wide x 15'

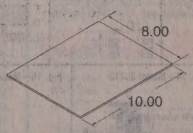
021-ND $8.95

ner Foils "White TRF"

e White TRF for adding "silkscreen" artwork to your board! Simply place the white TRF paper over xposed toner "silkscreen" and apply heat to transfer the white pigment onto the toner which is fused r PCB. Perfect for finishing off your prototype boards and giving them a professionally silkscreened rance. • Size: 8" Wide x 15'

022-ND $8.95

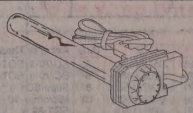
nted Circuit Boards - 2 Pack



per Clad Boards
z. Copper

017-ND PCB Single Sided, .032", 8x10", 1/2 oz., 2 Panels $16.95
018-ND PCB Double Sided, .032", 8x10", 1/2 oz., 2 Panels $17.95

GC ELECTRONICS

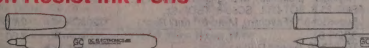


ching Solution Heater

tank and heats solution up to 38°C (100°F). Used to further
e etching time. Built-in adjustable thermostat controls temperature continuously to 100°F (38°C). 120V 0 W Max.

2-ND $20.47

ch Resist Ink Pens

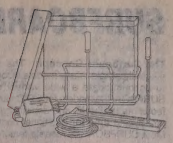


felt tip pen for making resist circuits directly on PC boards. Dries instantly for neat, easy application.

0-ND Standard Size - draws lines approximately 1/32" (.79mm) wide $4.19
2-ND Fine Line - draws lines as thin as 1/64" (.40mm) wide $4.46

GC ELECTRONICS

Professional PC Board Power Etching System



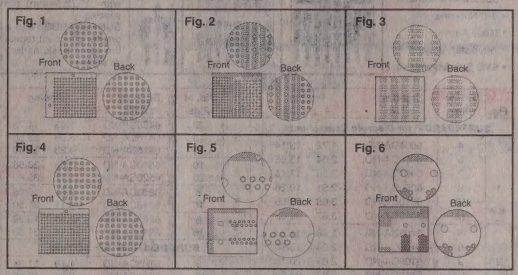
A semi-automatic etching device for use in labs, schools, prototype shops and for limited PC board production. Air pump agitates etching solution for fast, very even etches. Handles up to two 8" x 10" (20.32cm x 25.40cm) PC boards at a time, either single or double sided.

Kit Contains: • 1 Etching Tank (1.25 Gallon capacity; 4.73 Liters) and Reservoir Lid, 12"H x 2 1/2"W x 10 1/2"L (30.48cm x 6.35cm x 26.67cm), (Molded Polyethylene — ABS PC Board Holder), Capacity • 1 Etch-O-Matic Power Agitating Pump, 120V AC Operation • 1 Permanent or Portable Tip-Free Base • 1 PC Board Holder and Handle • 4 Feet (1.22 Meters) of Supply Hose

GC394-ND $96.03

VECTOR ELECTRONICS & TECHNOLOGY, INC

Specialty Prototyping Boards



Material: FR-4

Fig.	Description	Dimensions W x L x H	Digi-Key Part No.	Price Each 1	10	25
1	Prototype Board, 2mm Grid, Pad-Per-Hole with J1 Connector, .025" holes plated thru	3.94" x 6.3" x .062"	V1253-ND	25.03	22.00	19.53
2	Combo Board, 2mm/.100" Grid, Pad-Per-Hole with J1, .025" and .042" holes plated thru	3.94" x 6.3" x .062"	V1254-ND	29.03	25.52	22.65
3	Prototype Board, 2mm Grid, Three Hole Solder Pads, 0.25" holes plated thru	3.94" x 6.3" x .062"	V1255-ND	17.53	15.41	13.68
4	Combo Board, 2mm/.100"/.050" Pad-Per-Hole 3-Grid Combo, 0.25" & 0.42" holes plated thru	3.94" x 6.3" x .062"	V1256-ND	17.53	15.41	13.68
5	Prototype Board, Standard Density 25, 15, 9 Pin, D-Sub, 0.39" Diameter Holes	3.94" x 6.3" x .062"	V1251-ND	20.00	17.59	15.61
6	Prototype Board, High Density 15, 26, 44, 62, 78, and 104 Pin, D-Sub, 0.39" Diameter Holes	3.19" x 6.3" x .062"	V1252-ND	26.01	22.87	20.30

Prototyping Boards

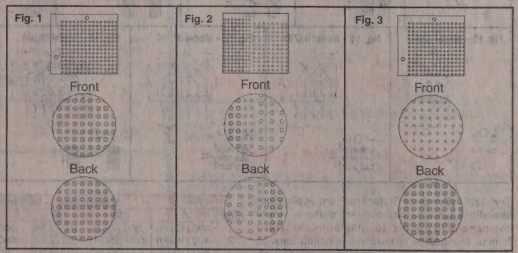


Fig.	Description	Dimensions W x L x H	Digi-Key Part No.	Price Each 1	10	25	Vector Part No.
1	Prototype Board, 2mm Grid, Pad-Per-Hole 0.25" Double Sided, PTH	3.94" x 6.3" x .062"	V2013-ND	17.53	15.41	13.68	8017
2	Combo Board, 2mm/.100" Grid, Pad-Per-Hole Double Sided, PTH	3.94" x 6.3" x .062"	V2014-ND	17.49	15.38	13.65	8018
1	Prototype Board, 1mm Grid, Pad-Per-Hole, 0.25" Double Sided, PTH	3.94" x 6.3" x .062"	V2016-ND	34.03	29.92	26.56	8020
1	Low Cost Double Sided, .100 x .100" Grid, Pad-Per-Hole, PTH	4.00" x 6.00" x .062"	V2009-ND	11.52	10.13	8.99	8015
3	Low Cost Single Sided, .100 x .100" Grid, Pad-Per-Hole, PTH	4.00" x 4.00" x .062"	V2010-ND	7.33	6.45	5.73	8015-1
1	Low Cost Double Sided, .100 x .100" Grid, Pad-Per-Hole, PTH	6.00" x 9.00" x .062"	V2011-ND	16.93	14.88	13.21	8016
3	Low Cost Single Sided, .100 x .100" Grid, Pad-Per-Hole, PTH	6.00" x 6.00" x .062"	V2012-ND	10.59	9.32	8.27	8016-1

K

SURFBOARDS® by CAPITAL ADVANCED TECHNOLOGIES INC.™ — The Breadboarding Medium for Surface Mount

The Surfboard Concept: The concept behind SURFBOARDS is elegantly simple. Many models incorporate foil patterns that are designed to accommodate a wide variety of component mounting footprints. SURFBOARDS® models for SOICs and PLCCs provide standard mounting footprints for the IC and depending on the model chosen, will include a prototyping area for additional components or provide a direct pin-out. Most SURFBOARD® models feature SIP (single in line) pins that make prototyping and interfacing with other circuits easy.

Specifications: • Material: G-10 FR-4 Fiberglass laminate, 1oz. Cu. .032" (.81mm). Thickness ±.005" (±.13mm) • Finish: Level 60/40 Solder alloy • S.I.P. Pins: On applicable models. Soldered on .100" (2.54mm) centers. SURFBOARDS® can be hand soldered and are compatible with most industrial soldering processes. (Suggested soldering and assembly guidelines included).

The universal circuit patterns allow for the mounting of 0603, 0805, 1206 and mini-melf packages as well as a wide variety of 3 terminal devices.

SOT-23

Trimmers

0805, 0603, 1

6000 Series for Discrete Devices — .1" (2.54mm) Pin Spacing

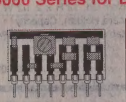


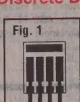
Fig. 1 

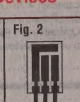
Fig. 2 

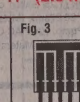
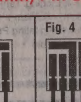
Fig. 3 

Fig. 4 

For building:
- Resistor Networks
- Capacitor Networks
- R-C Networks
- Diode Arrays
- Transistor Arrays
- SMD Sub-Assemblies

Fig. 5

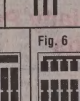
Fig. 6 

Fig. 7

All 6000 Series boards are .5" (12.7mm) high with .1" (2.54mm) pin spacing. SURFBOARDS® with a greater pin count repeat the same basic pattern as shown.

Fig.	No. of Pins	Digi-Key Part No.	Pricing 1	10
SURFBOARDS® for Discrete Components				
1	4	6004CA-ND	1.72	13.14
	6	6006CA-ND	2.04	15.66
	7	6007CA-ND	2.28	17.46
	8	6008CA-ND	2.51	19.26
	10	6010CA-ND	3.08	23.58
	12	6012CA-ND	3.67	28.08
2	3	6103CA-ND	1.48	11.34
	6	6106CA-ND	2.04	15.66
	9	6109CA-ND	2.63	20.16
	12	6112CA-ND	3.67	28.08
	15	6115CA-ND	4.23	32.40
3	5	6405CA-ND	1.93	14.76
	10	6410CA-ND	3.08	23.58
	15	6415CA-ND	4.23	32.40
4	10	6510CA-ND	3.08	23.58
	20	6520CA-ND	5.17	39.60
5	8	6808CA-ND	2.51	19.26
	16	6816CA-ND	4.11	31.50
6	8	6908CA-ND	2.51	19.26
	16	6916CA-ND	4.11	31.50
SURFBOARDS® for SOT-89				
7	3	6303CA-ND	1.48	11.34
	6	6306CA-ND	2.04	15.66
	9	6309CA-ND	2.63	20.16

Master Assortment Kit for Discretes: The MK-6000 assortment contains 2 each of all 23 models in the 6000 series of SURFBOARDS® for discrete components.
MK-6000CA-ND **$99.00**

9000 Series for ICs

Build • prototype circuits • Evaluate ICs easily • Build circuit upgrades • Adapt SMD to thru-hole

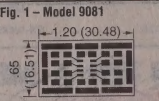
Fig. 1 – Model 9081 

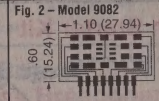
Fig. 2 – Model 9082 

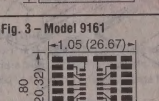
Fig. 3 – Model 9161 

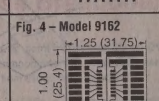
Fig. 4 – Model 9162 

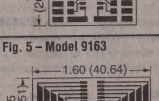
Fig. 5 – Model 9163 

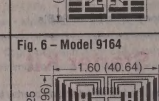
Fig. 6 – Model 9164 

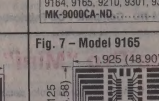
Fig. 7 – Model 9165 

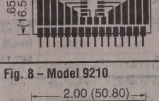
Fig. 8 – Model 9210 

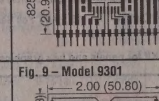
Fig. 9 – Model 9301 

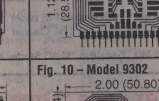
Fig. 10 – Model 9302 

Fig.	Digi-Key Part No.	Pricing 1	10
8 Pin SOIC			
1	9081CA-ND	1.50	12.2
2	9082CA-ND	4.11	31.2
16 Pin SOIC			
3	9161CA-ND	2.04	15.4
4	9162CA-ND	2.16	16.2
5	9163CA-ND	5.32	48.0
6	9164CA-ND	6.53	50.0
7	9165CA-ND	6.89	52.2
20 Pin, .3" (7.62mm) Wi			
8	9210CA-ND	7.47	57.2
20 Pin PLCC			
9	9301CA-ND	7.47	57.2
10	9302CA-ND	7.47	57.2

Master Asst. Kit for ICs: 32 pcs total (5 each of 9081, 90 9161, 9162, and 2 each of 91 9164, 9165, 9210, 9301, 9302)
MK-9000CA-ND ..... **$99.**

SURFBOARDS® by CAPITAL ADVANCED TECHNOLOGIES INC.™ — Application-Specific Adapters

- Accept Wide Range of Surface Mount Discrete Semiconductors and ICs
- Provide Convenient Medium for Prototyping, Test, and Development

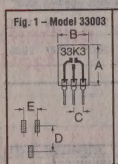
Fig. 1 – Model 33003 

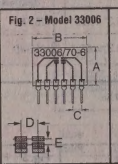
Fig. 2 – Model 33006 

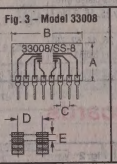
Fig. 3 – Model 33008 

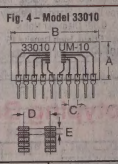
Fig. 4 – Model 33010 

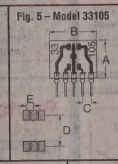
Fig. 5 – Model 33105 

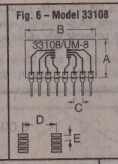
Fig. 6 – Model 33108 

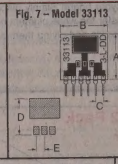
Fig. 7 – Model 33113 

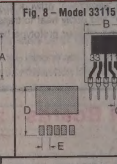
Fig. 8 – Model 33115 

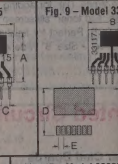
Fig. 9 – Model 331 

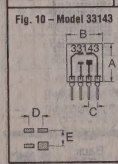
Fig. 10 – Model 33143 

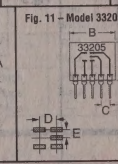
Fig. 11 – Model 33205 

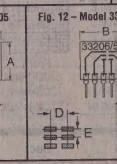
Fig. 12 – Model 33206 

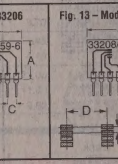
Fig. 13 – Model 33208 

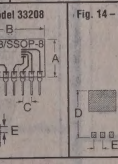
Fig. 14 – Model 33213 

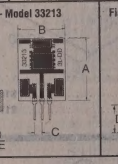
Fig. 15 – Model 33223 

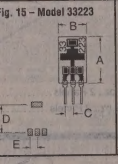
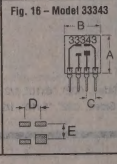
Fig. 16 – Model 33343 

Fig. 17 – Model 33623 

The 33000 Series of Surfboards® are application-specific adapters that convert surface mount component footprints to Single-In-Line (SIP) format. The boards feature pre-installed pins on .100" (2.54mm) centers making them compatible with conventional breadboards, solderless breadboards, and sockets. The SIP format provides ease of signal probing as well as higher densities when prototyping. Models are available to accept a wide range of surface mount semiconductors and integrated circuits.

Models 33113 and 33623 feature two SIP pins for each pad for higher current applications. Model 33213 features large soldering pads as connection points and SIP pins for measuring purposes. Boards are .031" ± .005" (.79mm ± .13mm) thick FR-4 and feature solder-coated 1-oz. Circuit Foils that can be hand-soldered or soldered by most conventional processes.

SIP pins are soldered in place on .100" (2.54mm) centers. All boards feature solder mask to limit flow of solder to pad area and aid assembly. Just add parts and plug in.

Fig.	Dimensions — Inch (mm) A	B	C	D	E	SIP Pins	Accepts These Devices	Digi-Key Part No.	Pric 1
1	.400 (10.16)	.300 (7.62)	.100 (2.54)	.080 (2.03)	.0512 (1.30)	3	SC-70-3, SOT-323, *NEC* Pkg-30	33003CA-ND	1.01
2	.400 (10.16)	.600 (15.24)	.100 (2.54)	.090 (2.28)	.0256 (.650)	6	SC-70-6, SOT-363	33006CA-ND	2.07
3	.400 (10.16)	.800 (20.32)	.100 (2.54)	.180 (4.57)	.0375 (.9530)	8	SuperSOT-8™ *(Fairchild)*	33008CA-ND	2.80
4	.400 (10.16)	1.0 (25.4)	.100 (2.54)	.200 (5.08)	.0197 (.500)	10	Micromax-10 *(Maxim)*	33010CA-ND	3.22
5	.400 (10.16)	.500 (12.7)	.100 (2.54)	.165 (4.19)	.060 (1.50)	5	SOT-89-5	33105CA-ND	1.81
6	.400 (10.16)	.800 (20.32)	.100 (2.54)	.200 (5.08)	.0256 (.650)	8	MSOP-8, TSSOP-8, Micromax-8 *(Maxim)*, Micro-8 *(Int'l Rect.)*, Mini SO-8 *(Burr-Brown)*	33108CA-ND	2.80
7	.800 (20.32)	.600 (15.24)	.100 (2.54)	.625 (15.87)	.100 (2.54)	6	TO-263AB, 3-Lead D-Pkg	33113CA-ND•	2.84
8	.800 (20.32)	.500 (12.70)	.100 (2.54)	.625 (15.87)	.067 (1.70)	5	5-Lead DD Pkg., Surface Mount Device	33115CA-ND	2.37
9	.800 (20.32)	.700 (17.78)	.100 (2.54)	.625 (15.87)	.050 (1.27)	7	7-Lead DD Pkg., Surface Mount Device	33117CA-ND	3.22
10	.400 (10.16)	.400 (10.16)	.100 (2.54)	.100 (2.54)	.078 (1.99)	4	SOT-143, Surface Mount Device	33143CA-ND	1.53
11	.400 (10.16)	.500 (12.7)	.100 (2.54)	.110 (2.79)	.0375 (.953)	5	SOT-23-5, SC59-5, *Burr-Brown* Pkg. 331, Tinylogic™ *(Fairchild)*, Microgate *(Texas Inst.)*	33205CA-ND	1.86
12	.400 (10.16)	.600 (15.24)	.100 (2.54)	.110 (2.79)	.0375 (.953)	6	SOT-23-6, SOT-23-L, SC59-6, TSOP-6‡, SuperSot-6™ *(Fairchild)*, Micro-6™ *(Int'l Rect.)*	33206CA-ND	2.07
13	.400 (10.16)	.800 (20.32)	.100 (2.54)	.300 (7.62)	.025 (.650)	8	SSOP-8	33208CA-ND	2.80
14	1.125 (28.57)	.850 (21.59)	.100 (2.54)	.625 (15.87)	.100 (2.54)	3	TO-263AB, 3-Lead D-Pkg	33213CA-ND•	3.45
15	.500 (12.70)	.300 (7.62)	.100 (2.54)	.275 (6.98)	.090 (2.28)	3	SOT-223, Surface Mount Device	33223CA-ND	1.27
16	.400 (10.16)	.400 (10.16)	.100 (2.54)	.080 (2.03)	.051 (1.3)	4	SOT-343	33343CA-ND	1.53
17	.500 (12.70)	.600 (15.24)	.100 (2.54)	.275 (6.98)	.090 (2.28)	6	SOT-223	33623CA-ND•	2.30

• Higher Current Applications ‡ Not exact device/pad match

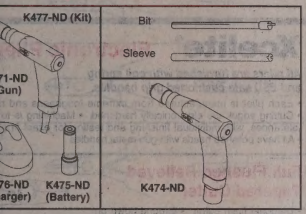
OK Industries
Division of Jonard Industries Corp.

re Cut and Strip Tools

and clean stripping of wires for
wrapping, electronic and appliance
cations. Strip length easily adjustable
our application. The hardened steel
g blades and sturdy construction of
ol ensure long life. Biomechanically
ned for maximum efficiency. **Easy to operate:** Place wire (up
n stripping slot with ends extending beyond cutter blades, press
nd pull, wire is cut and stripped to proper "wire stripping" length.

e Size	Adjustable Strip-Off Length		Digi-Key	Price
mm	Inches	mm	Part No.	Each
0.40	15/16 to 111/16	33.33 – 42.86	K501-ND	50.81
0.25	7/8 to 11/8	22.22 – 28.57	K502-ND	50.81
.64-.40	—	—	K512-ND	52.50

re Wrap Gun and Bits



TX Series Wire Wrapping Tools for OK Industries bring revolutionary
enefits to installers, telcom technicians and other users. With worker
in mind, OK Industries created an ergonomic tool which includes a
ight, well-balanced construction, dual finger short throw trigger, and a
andle to mitigate pressure on the palm. These features help to prevent
ive stresses and result in an industry leading design from a comfort and
standpoint. Choose either 115V powered wire wrap/unwrap gun or the
le battery powered wrap/unwrap tool. PTX wire wrapping kit includes
onomic battery wrap/unwrap tool, battery charger and 2 batteries for
uous wire wrapping jobs.

ription	Digi-Key Part No.	Price Each
Tools / Guns		
Wrap/Unwrap Gun 115V	K471-ND	255.21
Wrap/Unwrap Gun w/ Backforce 115V	K472-ND	263.90
ura Tool Pouch for Battery Powered Tool	K473-ND	54.77
ry Powered Wrap/Unwrap Gun	K474-ND	211.73
Kit		
plete PTX Wire Wrap Kit, Gun, rger, 2 Batteries	K477-ND	346.95
Replacement Battery / Charger		
cement Battery for PTX Wire Wrap Gun	K475-ND	48.66
ry Charger for PTX Wire Wrap Gun	K476-ND	84.01
Sleeves and Bits		
e, 22AWG Insulated	K479-ND	28.86
e, 24-26AWG Insulated	K480-ND	28.86
e, 26AWG WW Gun, .046" Max. Insul.	K481-ND	48.66
6AWG for .025" sq. Post	K483-ND	54.78
8AWG for .025" sq. Post	K321-ND	54.79
e for 26AWG Bit	K324-ND	40.17
6AWG for .025" sq. Post, .031" Max. Insul.	K323-ND	54.79
e for-28 and 30AWG Bit	K322-ND	40.16
0-32AWG for .025" sq. Post	K485-ND	54.79
0AWG for .025" sq. Post	K320-ND	60.86
eeve Set for 22-24AWG	K510-ND	119.58
Power Unwrap Bit / Sleeve		
r Unwrap Bit/Sleeve for 20-26AWG	K384-ND	66.94
KYNAR Wire Wrap Wire		
G, Blue, 100' (30.48m)	K515-ND	19.10
G, Black, 100' (30.48m)	K516-ND	19.10
G, Red, 100' (30.48m)	K517-ND	19.10
G, Yellow, 100' (30.48m)	K518-ND	19.10
G, White, 100' (30.48m)	K519-ND	19.10
G, Blue, 100' (30.48m)	K327-ND	14.42
G, Black, 100' (30.48m)	K386-ND	14.42
G, Red, 100' (30.48m)	K387-ND	14.42
G, Yellow, 100' (30.48m)	K388-ND	14.42
G, White, 100' (30.48m)	K389-ND	14.42
G, Blue, 100' (30.48m)	K326-ND	12.50
G, Black, 100' (30.48m)	K390-ND	12.50
G, Red, 100' (30.48m)	K391-ND	12.50
G, Yellow, 100' (30.48m)	K392-ND	12.50
G, White, 100' (30.48m)	K393-ND	12.50
G, Blue, 100' (30.48m)	K325-ND	11.17
G, Black, 100' (30.48m)	K394-ND	11.17
G, Red, 100' (30.48m)	K395-ND	11.17
G, Yellow, 100' (30.48m)	K396-ND	11.17
G, White, 100' (30.48m)	K397-ND	11.17
Low Strip Force KYNAR Wire Wrap Wire		
VG, Blue, 100' (30.48m)	K329-ND	21.25
VG, White, 100' (30.48m)	K443-ND	21.25
VG, Red, 100' (30.48m)	K444-ND	21.25
VG, Black, 100' (30.48m)	K445-ND	21.25
VG, Yellow, 100' (30.48)	K520-ND	21.25

Alignment Tool Kit

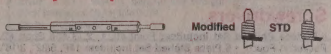
This 5 piece pocket kit contains a selection of the most popular non-conductive tools for aligning and adjusting components. **Kit contains:** Trimpot, Alignment 2 In 1 Tool, Spudger, Orange Stick, Probe Pick.

Description	Digi-Key Part No.	Price Each
Alignment Tool	K513-ND	7.00

Manual Wire Wrap Tools

Description	Digi-Key Part No.	Price Each
Manual Wrap Tool Lexan for use w/ bits and sleeves above	K398-ND	121.40
Manual Wrap Tool Aluminum for use w/ bits and sleeves above	K399-ND	146.25
Manual Wrap Tool Insulated Version	K478-ND	154.58

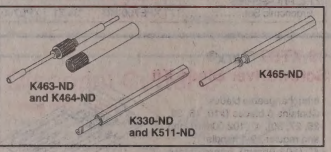
Hobby Wrap Hand Tools



Wire-wrapping, stripping and unwrapping tool. For 30AWG on .025" (0.63mm) and 22-24AWG on .030" (0.76mm) and .045" (1.14mm) Square Post.

K104-ND	Regular Wrap (30AWG)	$34.33
K105-ND	Modified Wrap (30AWG)	$34.35
K107-ND	Regular Wrap (22-24AWG)	$43.62

Precision Hand Wrapping and Unwrapping Tools



K463-ND	Combination Hand Wrap-Unwrap Tool (30AWG)	$101.91
K464-ND	Combination Hand Wrap-Unwrap Tool (22-24AWG)	$88.53
K465-ND	Hand Unwrap Tool (20-26AWG)	$39.12
K330-ND	Universal Wire Unwrap Hand Tool (24-32AWG)	$30.42
K511-ND	Unwrap Hand Tool (20-26AWG)	$28.23

Single Wire Dispenser

- With 50 ft. (15.24 meter) roll of AWG 30 KYNAR wire-wrapping wire
- Built-in Plunger cuts wire to desired length
- Built-in Stripper strips 1" (2.54cm) of insulation
- Refillable (for refills, see below)

Description	Digi-Key Part No.	Price Each
Blue Wire	K223-ND	18.75
Yellow Wire	K224-ND	18.75
White Wire	K225-ND	18.75
Red Wire	K226-ND	18.75
Dispenser Replacement Rolls		
30AWG Blue 50 Ft. (15.24 meter) Roll	K229-ND	9.14
30AWG Yellow 50 Ft. (15.24 meter) Roll	K230-ND	9.14
30AWG White 50 Ft. (15.24 meter) Roll	K231-ND	9.12
30AWG Red 50 Ft. (15.24 meter) Roll	K232-ND	9.12

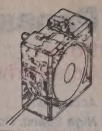
Wire Wrap Wire

30AWG, Pre-Cut/Pre-Stripped — 50 Wires/Package

1" (2.54cm) Stripped Ends

Description	Digi-Key Part No.	Price Each
Blue Wire, 3" (7.62cm) Overall Length	B3-ND	7.91
Yellow Wire, 3" (7.62cm) Overall Length	Y3-ND	7.91
White Wire, 3" (7.62cm) Overall Length	W3-ND	7.91
Red Wire, 3" (7.62cm) Overall Length	R3-ND	7.91
Blue Wire, 4" (10.16cm) Overall Length	B4-ND	7.91
Yellow Wire, 4" (10.16cm) Overall Length	Y4-ND	7.91
Red Wire, 4" (10.16cm) Overall Length	R4-ND	7.91
White Wire, 4" (10.16cm) Overall Length	W4-ND	7.91
Blue Wire, 5" (12.70cm) Overall Length	B5-ND	9.12
Yellow Wire, 5" (12.70cm) Overall Length	Y5-ND	9.12
White Wire, 5" (12.70cm) Overall Length	W5-ND	9.12
Red Wire, 5" (12.70cm) Overall Length	R5-ND	9.12
Blue Wire, 7" (17.78cm) Overall Length	B7-ND	9.12
Yellow Wire, 7" (17.78cm) Overall Length	Y7-ND	9.12
White Wire, 7" (17.78cm) Overall Length	W7-ND	9.12
Red Wire, 7" (17.78cm) Overall Length	R7-ND	9.12

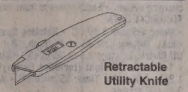
Tri-Color Dispenser



- 3 Rolls of wire in one dispenser
- 3 Colors: blue, white, red; 50 feet (15.24 meters) of each color
- AWG30 (0.25 mm) KYNAR insulated wire
- Built-in plunger cuts wire to desired length
- Built-in stripper strips 1" (25.40mm) of insulation
- Refillable (for refills, see below)

Description	Digi-Key Part No.	Price Each
Tri-Color Dispenser	K227-ND	30.83
Replacement Rolls	K228-ND	18.20

Wiss Utility Knife



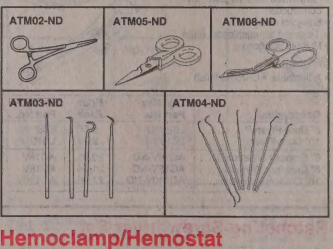
Description	Digi-Key Part No.	Price Each
Retractable Utility Knife with 3 Blades	WK8V-ND	4.58

VECTOR ELECTRONICS & TECHNOLOGY, INC Slit-N-Wrap Tool and Wires

- No Pre-cutting or Pre-stripping
- Fast, reliable, spool fed wire
- Slits and opens insulation exposing bare wire before wire is wrapped on post, forming actual wire wrapped gas tight joint as tool is rotated.

Description	Digi-Key Part No.	Price Each
Manual Slit-N-Wrap Tool (#28), Includes Bit, 50' (15.24m) Roll of Green Wire	V1081-ND	201.93
Replacement Wirewrap Bit #28	V1083-ND	65.94
Replacement Wirewrap Bit #30	V1084-ND	57.62
150' (45.72m) 28AWG Tefzel Wire Green	V1085-ND	25.04
150' (45.72m) 28AWG Tefzel Wire Red	V1086-ND	21.60
150' (45.72m) 28AWG Tefzel Wire Blue	V1087-ND	21.60
150' (45.72m) 28AWG Tefzel Wire White	V1088-ND	21.60
150' (45.72m) 28AWG Tefzel Wire Yellow	V1089-ND	21.60

BRAND 77 TOOLS



Hemoclamp/Hemostat

Professional grade hemo made of 410 A.I.S.I. stainless steel. Hand finished and polished. Hand serrated for extra gripping power. Has 3 locking positions.

ATM01-ND 5 1/2 inches $4.95
ATM06-ND 8 inches $7.52

Curved-Tip Hemoclamp/Hemostat

Professional grade hemo made of 410 A.I.S.I. stainless steel. Hand finished and polished. Hand serrated for extra gripping power. Has 3 locking positions.

ATM02-ND 5 1/2 inches $4.95
ATM07-ND 8 inches $7.52

Compact Electrician's Scissors

Stainless steel double notched blade with file on back. Notches are for stripping wire. Can be used for many telephone installation and electrical service applications. 5 1/2" overall length, cut length is 1 7/8".

ATM05-ND $8.08

Utility Scissors

All utility scissors are industrial strength stainless steel serrated blades, and have PVC handles. Will cut paper, wire, wood, plastic, leather etc.

ATM08-ND 7 1/2 inches $5.97

4-Piece Probe Set

Forged from 420 A.I.S.I. stainless steel. Set includes four probes and a plastic (vinyl) pouch.

ATM03-ND $7.88

7-Piece Probe Set

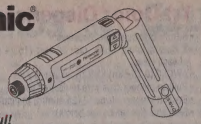
Hardened, tempered stainless steel. Set includes seven probes and a plastic (vinyl) pouch.

ATM04-ND $15.70

K

Panasonic®

Power Screwdriver



Accurate, High Speed, Powerful!

FEATURES:
• "Auto Shut-Off Clutch" extends battery and clutch life by immediately stopping rotation once torque setting is reached • 22-stage clutch offers you more precise torque setting • Clutch torque accuracy is ±5% • Maximum 600 rpm for high speed screw driving • Maximum 39 in.-lbs. torque (in low gear) even with compact size • 1/4" hex quick connect chuck • 15-minute charging system • Easily converts from straight to pistol form
TECHNICAL DATA:
• **Motor Voltage:** 3.6V DC • **Rotating Speed:** Low: 200 rpm; High: 600 rpm • **Max. Torque:** Low: 39 in.-lb.; High: 13 in. -lbs. • **Clutch Torque/Auto Shut-Off Clutch:** 21 stage/2.6 to 26 in.-lb. • **Size in Straight Position:** 11-21/32" x 1-17/32" • **Weight (includes battery):** 1.15 lbs. • **Battery Capacity:** 1.2Ah • **Charging Time:** 15 minutes • **Working Capacity:** Screw (Ø5/32 x 3/8); 600 screws
INCLUDES: Battery Pack, Battery Charger, #1 Phillips Bit, #2 Phillips Bit

P10861-ND	Screwdriver (EY6225C0Q)	**$159.00**
P10862-ND	Extra Battery Pack (EY9025B)	**$39.00**

Crescent®

Reversible Ratcheting Combination Wrenches

• Mirror finished chrome vanadium steel construction • Narrow cross-section design on box and open ends allows access to tighter work spaces • Reverses at the push of a button • Ratcheting end is offset 15° • Rachet feature turns fasteners with just a 5° swing

Description	Digi-Key Part No.	Price Each	Crescent Part No.
4 Pc. SAE (3/8", 7/16", 1/2", 9/16")	FRR4-ND	48.50	FRR4
7 Pc. SAE (5/16", 3/8", 7/16",1/2", 9/16", 5/8",3/4")	FRR7-ND	92.66	FRR7
4 Pc. Metric (10, 12, 13 and 15mm)	FRRM4-ND	48.50	FRRM4
7 Pc. Metric (8, 10, 12, 13, 14, 15 and 18mm)	FRRM7-ND	92.66	FRRM7

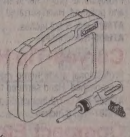
Pliers, Wrenches

DURA-PLYERS™
• Laminated and riveted "ply" construction
• Box-joint design
• Textured air-cushioned grips
• Multiple positions

Wrenches
• Adjustable • Chrome finish

Description	Digi-Key Part No.	Price Each	Crescent Part No.
8" Dura-Plyers™	LB8-ND	8.66	LB8
10" Dura-Plyers™	LB10-ND	9.74	LB10
6" Crescent Wrench	AC16V-ND	20.81	AC16V
8" Crescent Wrench	AC18V-ND	21.24	AC18V
10" Crescent Wrench	AC110V-ND	27.06	AC110V

Ratcheting Screwdriver Set



SDMBRV-ND includes: • **6 Screwdriver Bits:** #1 Phillips®, #2 Phillips®, 3/16" Slotted, 5/64" Slotted, #1 Square Recess, #2 Square Recess
SDMBR2-ND Includes: • **7 Fractional Power Nutdrivers:** 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" • **7 Metric Power Nutdrivers:** 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm • **18 Screwdriver Bits:** #1, #2, #3. Phillips®, 1/4", 5/32", 3/16" • **Slotted:** #1, #2, #3 Square Recess • **Stainless Steel Bit Holder w/ 1/4" Hex Drive:** TX6, TX8, TX10, TX15, TX20, TX25 • **Torx®:** 1/4", 5/32", 3/16" Hex.

Description	Digi-Key Part No.	Price Each	Crescent Part No.
7 Pc.	SDMBRV-ND	13.96	SDMBRV
34 Pc.	SDMBR2-ND	31.76	SDMBR2

4 Piece Screwdriver Set

• No-slip grip handle stops slippage for higher torque • Extra long, rounded tri-oval shape reduces pressure points to improve comfort • Enlarged handle middle optimizes grip strength and turning efficiency to reduce fatigue • Plated tool steel shafts specially hardened for strength and durability; includes: #1 and #2 Phillips, 1/4" x 4" Slotted, 3/16" x 3" Slotted

SD ND **$10.98**

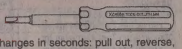
Xcelite®

Cordless Rechargeable Screwdriver Kit

Kit contains: • Driver • Battery • Charger • 99PA adapter • 1 slotted, 2 Phillips bits
Features: • 3.6V power • 2 speeds • 1 hour full recharge • 8 stage torque adjustable • Easily converts from in-line to pistol form • Replaceable battery pack • 99PA adapter enables use with all Xcelite Series 99 blades

XP1-ND		**$114.02**
XP1B-ND	**Replacement Battery**	**$26.19**

4-in-1 Screwdriver



• 4 Bits in one compact tool, • Changes in seconds: pull out, reverse, snap back • 2 Phillips bits and 2 slotted bits are always ready • Alloy steel, heat treated for maximum strength, precision ground and polished • Large, 6-spline, easy-to-grip red Tenite handle

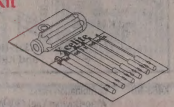
FSD-1V-ND **$10.22**

Screwdrivers

• **5 Piece Phillips Set Includes:** Point #0, 1, 2, 3 and Short #2, Packed in Pouch • **5 Piece Slotted Set Includes:** 1/8", 5/32", 3/16", 1/4" and 5/16" Packed in Pouch • **6 Piece Set Includes:** 4 Round Blade for Slotted Screws & 2 Phillips Types, Slotted: 1/8", 3/16", 1/4" and 5/16", Phillips: 1 & 2 Pt. Size, Packed In Pouch • **7 Piece PRO-SERIES Ergonomic Set Includes:** 5 Slotted Screws & 2 Phillips Types, Slotted: 1/8", 5/32", 3/16", 1/4" and 5/16" Phillips: 1 & 2 Pt. Size, Packed In Box

Description	Digi-Key Part No.	Price Each	Xcelite Part No.
5 Pc. Phillips Screwdriver Set	SDX-22-ND	24.51	SDX-22
5 Pc. Slotted Screwdriver Set	SDR-11-ND	22.53	SDR-11
6 Pc. Screwdriver Set	SRX-33-ND	30.56	SRX-33
7 Pc. PRO-SERIES Ergonomic Set	XPE700-ND	34.71	XPE700

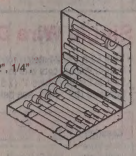
99-XTD7 Torx® Screwdriver Blade Kit



• Interchangeable blades
• Contains 6 blades (#10, 15, 20, 25, 27, 30), 4" (102.00mm) long and regular 99-1 handle
• 4" (102.00mm) approximate working length

99-XTD7-ND **$28.88**

Screwdriver and Nutdriver Sets - Inch Sizes



See-through stand-up plastic cases.

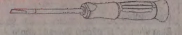
99PS-50 Regular Nutdrivers: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8"

Slotted Screwdriver: 3/16", 1/4"
Phillips Screwdriver: No. 1, No. 2
Extension
Regular Handle

PS-120 Color-coded handles. Comes with black "piggyback" torque amplifier handle **Regular Nutdrivers:** 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8"

Description	Digi-Key Part No.	Price Each	Xcelite Part No.
13 Pc. Screwdriver and Nutdriver Set	99PS50-ND	52.41	99PS-50
11 Pc. Nutdriver Set	PS120-ND	33.66	PS120

Precision Electronic Screwdriver Set



• Chrome-molybdenum vanadium steel blades • Fast-turning swivel caps with cavity for precise centering • Precision tolerance black tips • No-roll handle design

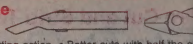
XP600-ND Includes: 1.5mm x 60mm Slotted Screwdriver, 2.0mm x 60mm Slotted Screwdriver, 2.5mm x 60mm Slotted Screwdriver, 3.0mm x 60mm Slotted Screwdriver, #00 Point Size Phillips Screwdriver, #0 Point Size Phillips Screwdriver

XPTX600-ND Includes: #5pt. Standard Torx Screwdriver, #6pt. Standard Torx Screwdriver, #7pt. Tamper-proof Torx Screwdriver, #8pt. Tamper-proof Torx Screwdriver, #10pt. Tamper-proof Torx Screwdriver, #15pt. Tamper-proof Torx Screwdriver

Description	Digi-Key Part No.	Price Each	Xcelite Part No.
6 Pc. Screwdriver Set	XP600-ND	22.20	XP600
6 Pc. Torx Screwdriver Set	XPTX600-ND	26.10	XPTX600

Xcelite® Micro Series Shearcutters

General Purpose



• Low profile • Superior blade by-pass shear cutting action • Better cuts with half the e
• Greatly reduced mechanical shock delivered to the work • 17
175M feature red grips • 170D, 175D feature static-dissipative b
grips • 175M, 175D feature safety clips • 170D, 175D espec
hardened and plated

170M-ND	$
170DCI-ND	$
175M-ND	$
175DCI-ND	$

Heavy Duty

• Heavy-duty for IC pins, cables and harnesses • Maximum durability • Maximum oper
safety • 1178M features red grips • 1178D features st
dissipative black grips • 1178D especially hardened and plated

1178M-ND	$
1178D-ND	$1

Xcelite® Electronic Pliers

All pliers are furnished with coil spring and ESD safe cushioned grip handles.

• Each plier is manufactured from extreme toughness and rig
• Cutting edges are electronically hardened • Machining is to c
tolerances, with individual finishing and testing for exact fit of
• All have polished heads with gun metal handles

Full Flushed Relieved Tapered Cutter

• Diagonal flush cutter • Ground down on back side for reaching into confined places • Size: 4" (102.00mm)

MS543J-ND **$15.71**

Semi-Flush Diagonal Cutter

• Diagonal cutter with flush ground cutting edges • Size: 4" (102.00mm)

MS54-ND **$13.80**

Angled Flush Cutter

• Cutting blade is flush ground and angled at 29° • Cutting plier is designed to give long wear for cutting soft wire • Size: 4" (102.00mm)

GA54J-ND **$24.69**

Long Nose Pliers

• Miniature very fine point for delicate work in very confined areas • Has scored jaws • Size: 4" (102.00mm)

L4-ND **$13.76**

Curved Long Nose Pliers

• For reaching into confined places • Nose bent approximately 60° • Smooth jaws • Size: 5" (127.00mm)

CN54G-ND **$16.97**

Long Nose Pliers

• Has finely scored jaws • Size: 5" (127.00mm)

LN54CI-ND **$15.11**

Needle Nose Pliers

• Has scoring on jaws • Size: 5" (127.00mm)

NN542-ND **$17.90**

Duck Bill Pliers

• Flat nose duck bill pliers with smooth jaws • Size: 5" (127.00mm)

DN54G-ND **$13.80**

Long Nose Side Cutter

• Similar to long nose pliers but with 7/32" (5.56mm) cutter near joint • Size: 5" (127.00mm)

SN54-ND **$16.97**

Reverse Action Tweezers

XHT412 4 1/2" (115mm) • Self closing, smooth, sharp points for holding work

XHT412-ND **$5.21**

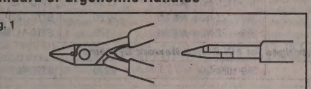
K

Swanstrom Tools USA

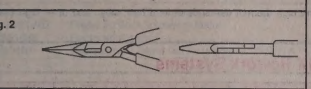
utters and Pliers

ndard or Ergonomic Handles

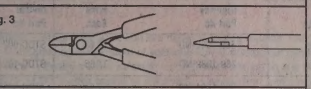
g. 1



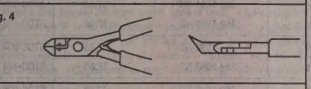
g. 2



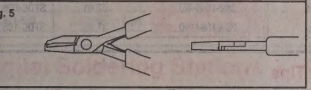
g. 3



g. 4



g. 5



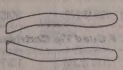
artan Standard:

h carbon, alloy forged American steel—for long life. • Alloy steel rivets—for smooth action. chined and lapped joints. • Polished finish—for llness and rust prevention. • Double stainless leaf spring. • Soft touch static dissipative foam —to minimize ESD & CTS.

Description	Digi-Key Part No.	Price Each	Mfg. Part No.
Cutter Tapered			
Flush Standard. Size: 4" (101.60mm)	232-1010-ND	25.00	415
Flush Standard. Size: 5" (127.00mm)	232-1016-ND	27.00	515
Long Nose Serrated Shear Cut			
Standard. Size: 6" (152.40mm)	232-1012-ND	30.00	351
Long Slim Nose Smooth Jaw			
Standard. Size: 5" (127.00mm)	232-1017-ND	22.00	324
Long Slim Nose Serrated Jaw			
Standard. Size: 5" (127.00mm)	232-1013-ND	22.00	325
Standard. HD. Size: 6" (152.40mm)	232-1019-ND	24.00	631
Cutter Oval			
Flush Standard. Size: 4" (101.60mm)	232-1009-ND	25.00	411
Flush Standard. Size: 5" (127.00mm)	232-1015-ND	27.00	511
Flush Standard. Size: 6" (152.40mm)	232-1018-ND	28.00	611
Angle End Nipper			
Standard. Size: 4" (101.60mm) Flush	232-1011-ND	35.00	491

per Ergonomic:

edish American high chromium, alloy forged —for maximum tool life. • Electronic induction ning—for maximum cutter life. • Hard alloy ubricating bearings—for perfect jaw alignment. cision machined and lapped joints. • Double less steel leaf springs. • Soft touch static ative foam grips—to minimize ESD and CTS.

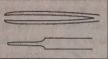


Description	Digi-Key Part No.	Price Each	Mfg. Part No.
Cutter Tapered			
Flush Ergonomic Size: 4" (101.60mm)	232-1001-ND	54.00	S415E
Flush Ergonomic Size: 5" (127.00mm)	232-1007-ND	54.00	S515E
Long Slim Nose Serrated Jaw			
Micro. Needle Nose. Size: 4" (101.60mm)	232-1021-ND	26.00	S109
Ergonomic Size: 5" (127.00mm)	232-1008-ND	32.00	S325E
Cutter Oval			
Flush Ergonomic Size: 4" (101.60mm)	232-1000-ND	54.00	S411E
Flush Ergonomic Size: 5" (127.00mm)	232-1006-ND	54.00	S511E
Angle End Nipper			
Flush Ergonomic Size: 4" (101.60mm)	232-1002-ND	60.00	S491E
Crimp and Bend Cutter			
Anti-Shock Shear Cut. .040" (1.02mm)	232-1022-ND	55.00	S205B.040

EREM® Tweezers

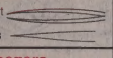
Straight Tapered Tip Tweezers

EROP 4.5" (114.30mm). Straight, round, tapered tip tweezers. Provide larger, flat gripping surface for handling a variety of small components.
EROP2ASA-ND **$2.88**



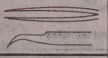
Straight Precision Tip Tweezers

EROP 4.25" (107.95mm). Straight Point Tweezers. For general use.
EROP3CSA-ND **$2.88**



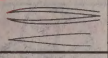
Curved Precision Tip Tweezers

EROP 4.5" (114.30mm). Curved precision tip tweezers improve visibility when used under magnification.
EROP7SA-ND **$2.88**



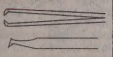
Straight Fine Tip Tweezers

EROP 5" (127.00mm). General use straight point tweezers with hardened tips.
EROPAASA-ND **$2.88**



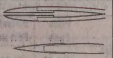
Angled Cutting Tip Tweezers

EREM 4.5" (114.30mm). Angled cutting tweezers. Tempered carbon steel, hard but low rust resistance.
15AGS-ND **$25.68**



Straight Soft Carbon Tip Tweezers

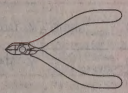
EREM 5" (127.00mm). 304/305 stainless steel. Soft carbon tipped handling tweezers. Soft tips minimize scratching or nicking of fragile wires and parts. Temp. range is 250°F – 300°F (121°C – 149°C). Nonmagnetic and non-corrosive. Resistant to hydrochloric and nitric acids.
249SA-ND **$25.85**



Diagonal Cutters

N Series - Magic Springs:

• Superior to Leaf Springs • Invisible, internal EREM-Magic springs provide uniform, constant tension and ultimate performance • Linear closing and opening force • High Precision Inter-Lock Screw Joint System: Surfaces between the two halves are machine faced to provide smooth, wobble-free operation with no blade overlap



Description	Digi-Key Part No.	Price Each	EREM Part No.
"N" Series			
4" (101.6mm), Oval, Semi-Flush	612N-ND	46.70	612N
4" (101.6mm), Oval, Full-Flush	622N-ND	48.41	622N
4.75" (120.7mm), Large Oval, Semi-Flush	812N-ND	55.20	812N
4.75" (120.7mm), Large Oval, Full-Flush	822N-ND	55.20	822N
5" (127.0mm), Oval, Semi-Flush	512N-ND	49.37	512N
5" (127.0mm), Oval, Full-Flush	522N-ND	51.57	522N

PANAVISE®

Fig. 1 – 502 Precision PanaPress

A 501 Standard Pana-Press with four nylon gibs for precision directional control of the vertical ram.

Fig. 2 – 506 Retrofit Kit

Converts a 502 Precision PanaPress into the 505 IDC Bench Assembly Press. The kit includes the assembly base, standard platen, modified ram, guide arm, and an allen wrench.

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig.	Description	Digi-Key Part No.	Price Each
1	Hand Press Bench Mount	502PV-ND	119.99
2	Hand Press IDC Conversion Kit	506PV-ND	59.99
3	Standard IDC Card Edge Connector Base Plate	511PV-ND	29.99
4	Standard IDC Dip Plugs Base Plate	512PV-ND	29.99
5	Standard IDC D-Sub Connector Base Plate	513PV-ND*	29.99
6	Standard Female IDC Socket Base Plate	510PV-ND	29.99

* Do not use with CW Industries all plastic D-sub connectors.

PANAVISE®

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

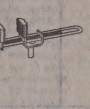


Fig. 8

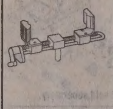


Fig. 9

Fig. 10

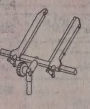


Fig. 11

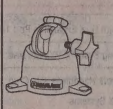


Fig. 12

Fig. 13

Fig. 14

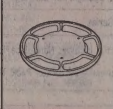


Fig. 15

Fig. 16

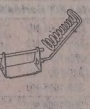


Fig. 17

Fig. 18

Must be used with Fig. 7 or Fig. 8 (sold separately).

Fig.	Description	Digi-Key Part No.	Price Each
1	Portable Vacuum Base Precision Vise	209PV-ND	32.99
2	Deluxe Electronic Work Center - Solder wire and soldering station not included	324PV-ND	81.99
3	Standard Station (303 head/300 base)	301PV-ND	44.99
4	Wide Opening Station (366 head/300 base)	396PV-ND	53.99
5	Wide Opening-Self Centering Work Station (376 head/300 base/312 tray base mount)	350PV-ND	83.99
6	Standard Head - 2 1/2" (63.50mm) wide, opens to 2 1/4" (57.15mm)	303PV-ND	24.99
7	Wide Opening Head - 1 3/4" (44.45mm) wide, opens to 6" (152.40mm)	366PV-ND	33.99
8	Wide Opening-Self Centering Head - 1 3/4" (44.45mm) wide, opens to 9" (228.6mm)	376PV-ND	45.99
9	Junior Universal Vise	201PV-ND	23.99
10	Circuit-Board Holder - 6" (152.40mm) arms, extends to 12" (304.80mm) wide	315PV-ND	32.99
11	Standard Base 3 3/4" (95.25mm) high	300PV-ND	20.99
12	Low-Profile Base - Only 2 1/2" (63.50mm) high	305PV-ND	20.99
13	Vacuum Base	380PV-ND	33.99
14	Tray Base Mount - 8 1/2" (215.90mm) diameter, base mount only	312PV-ND	19.99
15	Weighted Base Mount	308PV-ND	29.99
16	Solder Station - Solder iron holder, wire holder & 2 slit sponges, can be used for left or right hand use	371PV-ND	11.99
17	Magnetic Base - Adapts to 201, 300 & 305 bases	335PV-ND	16.99
18	Universal Wire Holder for 366 and 376 jaws	358PV-ND	21.99

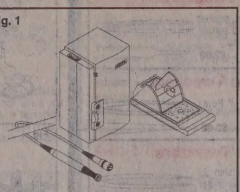
K

METCAL
DIVISION OF OK INTERNATIONAL

MX Series Rework Soldering Systems and Replacement Parts

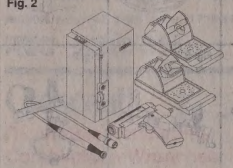
Features: SmartHeat® Technology. Metcal's tip cartridges sense the load and instantly adjust power to quickly deliver the right amount of heat precisely where it is needed. Metcal systems use SmartHeat Technology that is incapable of overshoot and can deliver high throughput at lower temperatures. Because the interchangeable SmartHeat cartridges contain a heater and temperature self-regulating alloy, Smart-Heat systems require no calibration. SmartHeat technology systems need no dials or readouts, tip cartridges specify the temperature by series, providing continuous temperature for fast, easy, and safe soldering.
Metcal's Talon® easy-squeeze design makes removing SMD components a snap. Talon was designed with ergonomics, style, and superior performance in mind. Beveled edge tips allows rework of several different components without changing tip cartridges.

Fig. 1



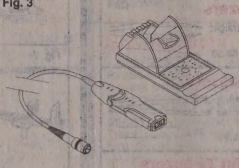
Tips sold separately.

Fig. 2



Tips sold separately.

Fig. 3



Tips sold separately.

Fig.	Description	Digi-Key Part No.	Price Each	Metcal Part No.
1	Rework System with Dual Expansion Port,100/120VAC	389-1000-ND	485.00	MX-500S-11
2	Rework/Desoldering System, 100/120 VAC	389-1087-ND	766.00	MX-500DS-11
—	Replacement Rework Handpiece with Cord, ESD Safe, for MX Systems	389-1001-ND	87.55	MX-RM3E
3	Optional Talon SMT Tweezer Kit, includes Handpiece with Cord, Workstand, Sponge, and Cartridge Removal Pad	389-1002-ND	330.00	MX-TALON-01
—	Tip Stand for MX Series	389-1045-ND	40.00	AC-TSTAND
—	Desolder Upgrade Kit, includes Handpiece, ESD Air Hose, Workstand, Chamber Liner & Filter Pack, Tip Cleaner	389-1088-ND	390.00	MX-D001

Tip Dimensions Inches (mm)	Description	Digi-Key Part No.	Price Each	Metcal Part No.
500 °F Tip Cartridges for MX Series Rework Systems				
.200 (5.080)	XL Chisel	389-1003-ND	22.60	STTC-517
.100 (2.540)	Chisel	389-1006-ND	22.60	STTC-536
.050 (1.270)	Conical Chisel	389-1082-ND	22.60	STTC-541
.060 (1.524)	Chisel	389-1007-ND	22.60	STTC-538
.040 (1.016)	Chisel	389-1005-ND	22.60	STTC-525
.016 (0.406)	Conical Sharp	389-1004-ND	22.60	STTC-522
.016 (0.406)	Sharp Bent	389-1080-ND	22.60	STTC-526
.016 (0.406)	Conical Sharp	389-1081-ND	22.60	STTC-540
.016 (0.406)	Bevel	389-1008-ND	22.60	STTC-545
.010 (0.254)	Microfine Bevel	389-1083-ND	22.60	STTC-590
600 °F Tip Cartridges for MX Series Rework Systems				
.200 (5.080)	XL Chisel	389-1009-ND	22.60	STTC-017
.100 (2.540)	Chisel	389-1011-ND	22.60	STTC-036
.070 (1.778)	Chisel	389-1012-ND	22.60	STTC-037
.060 (1.524)	Chisel	389-1013-ND	22.60	STTC-038
.040 (1.016)	Chisel	389-1064-ND	22.60	STTC-025
.016 (0.406)	Conical Sharp	389-1010-ND	22.60	STTC-022
.016 (0.406)	Sharp Bent	389-1065-ND	22.60	STTC-026
.016 (0.406)	Conical Sharp	389-1066-ND	22.60	STTC-040
.016 (0.406)	Bevel	389-1014-ND	22.60	STTC-045
.010 (0.254)	Microfine Bevel	389-1067-ND	22.60	STTC-090
700 °F Tip Cartridges for MX Series Rework Systems				
.200 (5.080)	X-Large Chisel	389-1070-ND	22.60	STTC-117
.100 (2.540)	Chisel	389-1074-ND	22.60	STTC-136
.100 (2.540)	Chisel	389-1124-ND◆ ***NEW!***	22.60	STTC-136P
.070 (1.778)	Chisel	389-1075-ND	22.60	STTC-137
.070 (1.778)	Chisel	389-1125-ND◆ ***NEW!***	22.60	STTC-137P
.060 (1.524)	Chisel	389-1076-ND	22.60	STTC-138
.040 (1.016)	Conical Sharp	389-1069-ND	22.60	STTC-107
.040 (1.016)	Chisel	389-1072-ND	22.60	STTC-125
.040 (1.016)	Chisel	389-1123-ND◆ ***NEW!***	22.60	STTC-125P
.020 (0.508)	Conical Sharp	389-1078-ND	22.60	STTC-144
.016 (0.406)	Conical Sharp	389-1068-ND	22.60	STTC-106
.016 (0.406)	Conical Sharp	389-1071-ND	22.60	STTC-122

Tip Dimensions Inches (mm)	Description	Digi-Key Part No.	Price Each	Metcal Part No.
.016 (0.406)	Sharp Bent	389-1073-ND	22.60	STTC-126
.016 (0.406)	Conical Sharp	389-1077-ND	22.60	STTC-140
.016 (0.406)	Bevel	389-1079-ND	22.60	STTC-145
.016 (0.406)	Conical	389-1126-ND◆ ***NEW!***	22.60	STTC-145P
.070 (1.778)	Bevel	389-1127-ND◆ ***NEW!***	22.60	STTC-147P
.220 (5.588)	Knife	389-1122-ND◆ ***NEW!***	43.79	STTC-1173P
800 °F Tip Cartridges for MX Series Rework Systems				
.120 (3.048)	Chisel	389-1084-ND	25.70	STTC-803

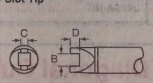
◆ Power Tips designed to address the high thermal demands of lead free alloys and other high therm demand applications.

Desoldering Tips for MX Rework Systems

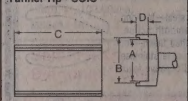
Tip Dimensions Inches (mm)	Description	Digi-Key Part No.	Price Each	Metcal Part No.
.025 (.635)	600 Series	389-1062-ND	37.65	STDC-002
.025 (.635)	700 Series	389-1089-ND	37.65	STDC-102
.030 (.762)	600 Series	389-1091-ND	37.65	STDC-003
.030 (.762)	700 Series	389-1090-ND	37.65	STDC-103
.040 (1.016)	600 Series	389-1092-ND	37.65	STDC-004
.040 (1.016)	700 Series	389-1063-ND	37.65	STDC-104
.050 (1.270)	600 Series	389-1093-ND	37.65	STDC-005
.050 (1.270)	700 Series	389-1094-ND	37.65	STDC-105

SMT Solder - Desolder Tips

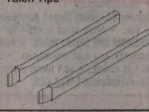
Slot Tip



Tunnel Tip - SOIC



Talon Tips



Tip Dimensions Inches (mm) A	B	C	D	SMD Component	Digi-Key Part No.	Price Each	Metcal Part No.
500 °F SMD Slot Tip Cartridges for MX Series Rework Systems							
—	.090 (2.286)	.050 (1.270)	.070 (1.778)	Chip 0805	389-1015-ND	36.50	SMTC-5
—	.140 (3.556)	.060 (1.524)	.070 (1.778)	Chip 1206, 1210	389-1016-ND	36.50	SMTC-5
—	.068 (1.727)	.100 (2.540)	.050 (1.270)	SOT-23	389-1017-ND	36.50	SMTC-5
—	.110 (2.794)	.250 (6.350)	.080 (2.032)	SOT-89	389-1018-ND	36.50	SMTC-5
—	.070 (1.778)	.040 (1.016)	.035 (0.889)	Chip 0402, 0603	389-1019-ND	36.50	SMTC-5
—	.080 (2.030)	.050 (1.270)	.060 (1.520)	Chip 0402, 0603, 0805	389-1050-ND	36.50	SMTC-5
600 °F SMD Tunnel Tip Cartridges for MX Series Rework Systems							
.200 (5.080)	.200 (5.080)	.170 (4.318)	.090 (2.286)	SOIC-8	389-1020-ND	41.75	SMTC-0
.200 (5.080)	.200 (5.080)	.400 (10.160)	.090 (2.286)	SOIC-14, SOIC-16	389-1021-ND	41.75	SMTC-0
.375 (9.525)	.375 (9.525)	.720 (18.288)	.125 (3.175)	SOIC-28, SOL-34	389-1022-ND	41.75	SMTC-0
.375 (9.525)	.375 (9.525)	.620 (15.748)	.125 (3.175)	SOIC-24	389-1023-ND	41.75	SMTC-0
.375 (9.525)	.375 (9.525)	.520 (13.208)	.125 (3.175)	SOIC-20	389-1024-ND	41.75	SMTC-0
700 °F Quad Tip Cartridges for QFP							
.440 (11.18)	.480 (12.19)	.480 (12.19)	.110 (2.79)	TQFP-44	389-1047-ND	65.50	SMTC-1

Description	Digi-Key Part No.	Price Each	Metcal Part No.
Hoof and Knife Tip Cartridges for Drag Soldering			
.650 x .060 (16.51 x 1.52), Mini Hoof, 600°F	389-1046-ND	43.78	SMTC-0167
.650 x .190 (16.51 x 4.83), Knife, 700°F	389-1048-ND	43.78	SMTC-1161
.650 x .060 (16.51 x 1.52), Mini Hoof, 700°F	389-1049-ND	43.78	SMTC-1167

Tip Dimensions Inches (mm)	Description	Digi-Key Part No.	Price Each*	Metcal Part No.
500 °F Tip Cartridges for Talon® Series Tweezer Handpiece				
0.250 (6.350)	Beveled Blades	389-1025-ND	103.00	TATC-502
0.620 (15.748)	Beveled Blades	389-1026-ND	103.00	TATC-503
0.810 (20.574)	Beveled Blades	389-1027-ND	103.00	TATC-504
600 °F Tip Cartridges for Talon® Series Tweezer Handpiece				
0.050 (1.270)	Angled Viper Tip	389-1086-ND	103.00	TATC-608
0.200 (5.080)	Fine Point Tip	389-1085-ND	103.00	TATC-601
0.250 (6.350)	Beveled Blades	389-1028-ND	103.00	TATC-602
0.620 (15.748)	Beveled Blades	389-1029-ND	103.00	TATC-603
0.810 (20.574)	Beveled Blades	389-1030-ND	103.00	TATC-604

Note: TATC tip cartridges are for use with Talon only. * Sold in pairs

K

WES51 and WESD51 Soldering Stations

eatures and Benefits: • Cordless temperature lockout to prevent perators from raising the temperatures to levels higher than specified r the board or component. Gives you control over the process Cordless Tip Temperature Calibration, which provides the user with e capability of resetting station temperature readings to variations tip sizes and styles • Quick heat-up and temperature recovery lows continuous production soldering • Slim, comfortable hand ece reduces operator fatigue • Accuracy within 9°F (5°C) Temperature Range: 350°F ~ 850°F (177°C ~ 454°C) • ESD Safe to otect sensitive components • Uses ET Series Tips

WES51-ND	Analog 50 Watt Soldering Station	$122.97
WESD51-ND	Digital 50 Watt Soldering Station	$164.49
PES51-ND	Replacement Iron	$36.77
3A60-ND	Replacement Barrel Nut Assembly for PES50 & PES51	$6.02

WS System Calibration Unit

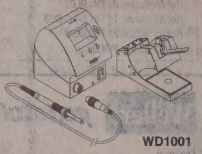
eatures: • Designed to work with WS series soldering stations • Allows er to calibrate tip temperature of soldering iron to outside temperature ference • Enables timer setback mode (allows station to set back 350°F (177°C) after period of inactivity) • Insert fixed temperature o station and turning off front panel control knob • Switching station splay between °F or °C • Resetting station electronics to original factory libration • Unit uses four "AA" alkaline batteries for power (included) 9 month normal life expectancy of batteries • 16 button keypad • Three ght LED display • Connectors to attach to soldering station and iron

WCB1-ND	Calibration Unit	$153.47

Digital Soldering Stations

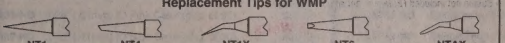
D1001 Includes: WD1 power unit, WMP soldering pencil, DH20 Iron stand and sponge, NT1 supplied tip

eatures: • 3 "radio buttons" allows you to pre-set frequently-ed temperature settings • Setback, lockout, temperature, ndow, F/C switching, standby, auto-off time • Large high ntrast LCD display displays more information at a glance Micro pencil with short tip to grip (37mm) puts you close the work • High output pencil allows you to work with ad-free solder • Iron stand has adjustable tilt angle in 4 sitions ranging from 30 ~ 80 degrees • ESD safe to protect nsitive components • **Temperature Range:** 150°F ~ 850°F **Temperature Accuracy:** ±9°F ~ ±5°C



WD1001

Replacement Tips for WMP

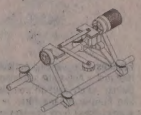


Description	Digi-Key Part No.	Price Each	Weller Part No.
Digital Solder Station 85 Watt with WMP	WD1001-ND	285.00	WD1001
Dual Digital Solder Unit 160 Watt without Iron*	WD2-ND	274.50	WD2
Dual Channel, Micro Digital Power Rework Unit, 120V	WD2M-ND ***NEW!***	319.50	WD2M
Iron Stand with Sponge for WMP	WDH20-ND	37.50	WDH20
Soldering Iron 65 Watt with NT1 Tip	WMP-ND	104.51	WMP-ND

Description	Tip Dia. (mm)	Tip Length (mm)	Digi-Key Part No.	Price Each	Weller Part No.
Replacement Tips					
Micro	0.25	7.40	NT1-ND	9.23	NT1
Micro	0.25	8.45	NT1S-ND	9.23	NT1S
Round	1.20	9.90	NT4-ND	9.23	NT4
Bent Round	0.40	8.15	NT1X-ND	11.07	NT1X
Chisel	1.60	9.45	NT6-ND	9.23	NT6
Chisel	1.60	8.40	NTA-ND	9.23	NTA
Chisel	2.40	7.35	NTB-ND	9.23	NTB
Chisel	3.20	7.75	NTC-ND	9.23	NTC
Bent Chisel	1.60	8.61	NTAX-ND	11.07	NTAX

Power Unit only. Soldering pencils and stands sold seperately.

051502699 Circuit Board Vise

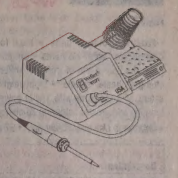


Complete work center for placing, soldering and desoldering printed circuit boards
Spring clamps will hold work piece in place securely
Rotates through 360°, allowing work performance at any convenient angle
Adjustable features allow handling of variety of circuit board sizes
Maximum surface: 6-1/4"/160 mm x 9-1/8"/235 mm
051502699 is ESD SAFE

Description	Digi-Key Part No.	Price Each	Weller Part No.
Circuit Board Vise	0051502699-ND	48.00	0051502699

Controlled-Output Soldering Station WTCPT Weller's Work Horse

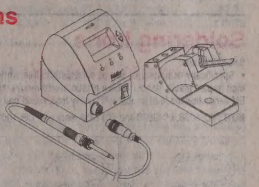
Specifications:
• Transformer powered soldering station complete with macro style, low voltage, temperature controlled soldering iron • Special "closed loop" method of controlling maximum tip temperature to protect temperature sensitive components • Power unit housing features impact resistant plastic for durability • Quick disconnect plug for soldering iron and lighted on/off switch • Separate conductor grounds iron tip and terminates at third pin of power cord • PT series soldering tips come in a variety of shapes and sizes in three standard
• **Temperature Ranges:** 600°F (316°C), 700°F (371°C), and 800°F (427°C) • Uses PT series tips



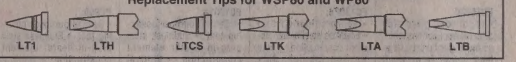
Description	Digi-Key Part No.	Price Each	Weller Part No.
Complete Station 24V Output	WTCPT-ND	143.58	WTCPT
Replacement Soldering Iron	TC201T-ND	75.39	TC201T

Digital Soldering Stations

WD1002 Includes: • WD1 power unit • WP80 soldering pencil • WDH10 Iron stand and sponge • LTB Supplied Tip **Features:** • 3 "radio buttons" allows you to pre-set frequently-used temperature settings • Setback, lockout, temperature, window, F/C switching, standby, auto-off time • Large high contrast LCD display, displays more information at a glance • High output pencil allows you to work with lead-free solder • Iron stand has adjustable tilt angle in 4 positions ranging from 30 ~ 80 degrees • ESD safe to protect sensitive components • **Voltage Input/Output:** 120V/24V • **Temperature Range:** 150°F ~ 850°F



Replacement Tips for WSP80 and WP80



Description	Digi-Key Part No.	Price Each	Weller Part No.
Digital Solder Unit 85 Watt without Iron*	WD1-ND	178.50	WD1
Micro Digital Rework Power Unit, 120V	WD1M-ND ***NEW!***	223.50	WD1M
Iron Stand with Sponge for WSP80	WDH10-ND	37.50	WDH10
Iron Stand for WSP80 Series	WPH81-ND	23.75	WPH81
Barrel Nut Assembly for WSP80	WS102-ND	6.50	WS102
80W Soldering Pencil with Short Tip-To-Grip (WP80)	0052918099-ND ***NEW!***	104.52	0052918099
Digital Soldering Station 80W with WP80 Pencil	WD1002-ND ***NEW!***	285.00	WD1002
Short Tip Retainer Assembly for WP80	0058744845-ND ***NEW!***	9.75	0058744845
Long Tip Retainer Assembly for WP80	0058744846-ND ***NEW!***	9.75	0058744846

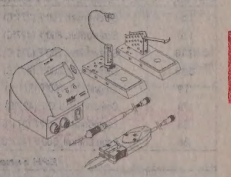
Description	Tip Dia. (mm)	Tip Length (mm)	Digi-Key Part No.	Price Each	Weller Part No.
Replacement Tips					
Round	0.25	10.90	LT1-ND	4.95	LT1
Chisel	0.8	10.90	LTH-ND	4.95	LTH
Round	3.2	10.90	LTCS-ND	4.95	LTCS
Chisel	1.2	18.50	LTK-ND	4.95	LTK
Chisel	1.6	9.70	LTA-ND	4.95	LTA
Chisel	2.4	10.90	LTB-ND	4.95	LTB

* Power Unit only. Soldering pencils and stands sold seperately.

NEW! Dual Micro Digital Rework Station

WD2000M Includes: • Power Unit • WMRP and WMRT Soldering Pencils • WMRH Iron Stand

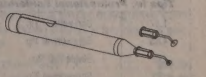
Features: • 3 "radio buttons" allows pre-set of frequently used temperature settings • Setback, lockout, temperature window, F/C switching, standby, auto-off time • Tweezers are automatically switched off when placed in the WMRTH holder • ESD safe to protect sensitive components • **Voltage Input/Output:** 120V/24V • **Temperature Range:** 150°F ~ 850°F • ***Supplied Tip(s) Not Included***



Description	Digi-Key Part No.	Price Each	Weller Part No.
Dual Micro Digital Rework Station with Irons	WD2000M-ND	825.00	WD2000M
Tweezer set with WMRTH Stand and RTW2 Tip Set	0051317399-ND	297.00	0051317399
Soldering Pencil Stand/Holder for WMRP	0051514599-ND	112.50	0051514599
Micro Soldering Pencil for WMRS (WMRP)	0052917199-ND	112.50	0052917199
RTW1 Tip Set for WMRT Tweezers 0.2mm	0054465199-ND	63.00	0054465199
RTW2 Tip Set for WMRT Tweezers 0.7 x 0.4mm	0054465299-ND	63.00	0054465299
RTW3 Tip Set for WMRT Tweezers 3.0 x 0.7mm	0054465399-ND	75.00	0054465399
RTW3 Tip Set for WMRT Tweezers 5.99 x 0.7mm	0054465499-ND	75.00	0054465499

Vacuum Pickup Tool

Digi-Key Part No.	Price Each	Weller Part No.
WLSK200-ND	47.37	WLSK200



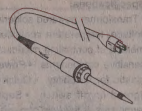
Weller® Professional Soldering Irons

WP25, WP30, WP35 Series Irons

Features:

• Fixed temperature units • Ideal for a wide variety of electronic tasks • Interchangeable heater elements - Single handle plus three different heating elements gives the user a trio of irons for different jobs • Quick change knurled collar makes changing heater simple • Lightweight handle with cushioned grip • For additional safety, all irons come with 3-wire power cord • Irons use ST series iron plated tips for long life and greater soldering efficiency • UL Listed

• Important: Use only Weller tips • ST series tips



Description	Digi-Key Part No.	Price Each	Weller Part No.
Soldering Iron with ST3 Tip, 25 Watt*	WP25-ND	35.99	WP25
Soldering Iron with ST3 Tip, 30 Watt*	WP30-ND	38.90	WP30
Soldering Iron with ST3 Tip, 35 Watt*	WP35-ND	45.30	WP35
Soldering Iron Stand For WP Series	PH60-ND	22.37	PH60
Knurled Tip Retaining Nut	KN60-ND	2.91	KN60

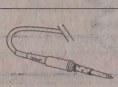
* Soldering Iron Stand is sold separately.

Soldering Irons

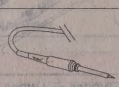
Specifications:

• Specifically designed for use at electrostatic free work stations • Non-burnable silicon rubber cord • Lightweight, high impact plastic handle • Blue plastic meets requirements for ESD, Electrostatic Dissipative Materials • Uses Weller EM series tips made of copper with heavy iron, nickel and chromium plating for long life • UL listed.

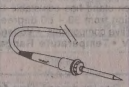
NOTE: EC1503B, EC1302B and EC1201A work with DEC1001 and EC1002.



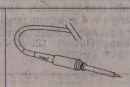
EC1503B:
• Tool designed for difficult applications such as multilayer boards, large heat output from small tool • Large tip iron for high wattage application



EC1302B:
• Micro-soldering tool • Stainless steel heater element construction • Fine tip iron for light duty applications



EC1201A:
• General purpose soldering tool • Stainless steel plug-in heater element construction • General purpose iron for mid-range applications



PES50:
• General purpose soldering tool • Stainless steel plug-in heater element construction • General purpose iron for mid-range applications

Description	Digi-Key Part No.	Price Each	Weller Part No.
42W Soldering Iron with EMA Tip	EC1503B-ND	123.69	EC1503A
20W Iron with EPH 101 Tip	EC1302B-ND	106.35	EC1302A
40W Soldering Iron with ETA Tip	EC1201A-ND	106.35	EC1201A
50W Soldering Iron with ETA Tip	PES50-ND	36.77	PES50
Replacement Sponge	TC205-ND	1.01	TC205

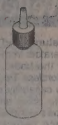
Replacement Tips for Irons

Tip Dim. (mm)	Description	Digi-Key Part No.	Price Each	Weller Part No.
	EM Series Tips for EC1503B Iron			
1.57	Chisel Tip	EMA-ND	12.45	EMA
.38	Conical Tip	EMD-ND	12.45	EMD
	PT Series Tips for TC201T Iron			
1.57	Screwdriver, 700°F (371°C)	PTA7-ND	4.20	PTA7
1.57	Screwdriver, 800°F (427°C)	PTA8-ND	4.20	PTA8
3.18	Screwdriver, 700°F (371°C)	PTC7-ND	4.20	PTC7
3.18	Screwdriver, 800°F (427°C)	PTC8-ND	4.20	PTC8
.79	Conical Flat, 700°F (371°C)	PTF7-ND	4.20	PTF7
.79	Conical Flat, 800°F (427°C)	PTF8-ND	4.20	PTF8
.38	Long Conical, 700°F (371°C)	PTS7-ND	4.20	PTS7
.38	Long Conical, 800°F (427°C)	PTS8-ND	4.20	PTS8
	EPH Series Tips for EC1302B Iron			
.38	Micropoint Tip	EPH101-ND	4.95	EPH101
1.57	Screwdriver Tip	EPH106-ND	4.95	EPH106
	Replacement Barrel Nut Assort. for EPH Tip	EC231-ND	8.16	EC231
	ET Series Tips for EC1201A			
1.57	Screwdriver Tip	ETA-ND	4.65	ETA
2.36	Screwdriver Tip	ETB-ND	4.65	ETB
.79	Screwdriver Tip	ETH-ND	4.65	ETH
.79	Conical Tip	ETP-ND	4.65	ETP
.40	Single Flat Tip	ETU-ND	4.65	ETU
.80	Long Conical Tip	ETO-ND	4.65	ETO
	Tips for Professional Soldering Irons — ST Series Tips for WP25, WP30, WP35 Irons			
1.57	Screwdriver Tip	ST1-ND	4.35	ST1
4.65	Screwdriver Tip	ST4-ND	4.35	ST4
.79	Single Flat Tip	ST5-ND	4.35	ST5
.79	Screwdriver Tip	ST6-ND	4.35	ST6

Flux and Scrub-It® Solvent Dispensers

Flux Dispensers: • Both static safe and standard hold 2 ounces • Avoid spills and waste and place flux precisely where needed • Squeeze bottles dispense one drop of liquid resin, flux, oil solvent through stainless steel needles • Static dissipative models protect static-sensitive components

Scrub-It® Solvent Dispensers: • Squeeze dispenser to distribute solvent through brush • For cleaning printed circuit boards and other connections • No mess, no waste • Available with nylon bristles or horsehair for static-safe applications • Dispenser holds 2 ounces



Description	Digi-Key Part No.	Price Each	Weller Part No.
Flux Dispenser, 0.020" (.51mm) Needle	FD2-ND	2.69	FD2
Scrub-It Bottle, Nylon Bristle	SD74-ND	9.15	SD74
Scrub-It Bottle, Horsehair ESD Safe	SD74H-ND	9.15	SD74H

Hot Air Rework Station and Nozzles

Features:

• Self-contained low cost hot air station with 700 watts of heating power to handle most bench top rework jobs • Extremely compact size uses less space on your rework bench • Temperature and air flow are controlled on the front panel - allows you to make settings quickly and easily

• Air flow can be activated by either a finger switch on the hand piece or via an optional foot switch

• Built-in hand piece holder saves bench space

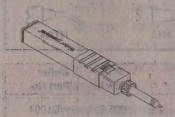
Description	Digi-Key Part No.	Price Each	Weller Part No.
Self-Cont. Hot Air Station, 120V	WHA300-ND	791.81	WHA300
Hot Air Nozzle, 44 PIN PLCC	0058736814-ND	61.91	0058736814
Hot Air Nozzle, 84 PIN PLCC	0058736833-ND	77.64	0058736833
Hot Air Nozzle, 20 PIN PLCC	0058736839-ND	61.91	0058736839
Hot Air Nozzle, 68 PIN PLCC	0058736804-ND	61.91	0058736804
Hot Air Nozzle, 14 PIN SOIC-SO8	0058736843-ND	61.91	0058736843
Hot Air Nozzle, 20 PIN SOIC	0058736842-ND	61.91	0058736842
Hot Air Nozzle, SOT23	0058736870-ND	61.91	0058736870

Weller® portasol® Cordless Soldering Irons and Tips

Features:

• Patented soldering tool has a catalytic converter that provides a powerful yet safe flameless combustion • Safety cu switch when cap replaced • Two easily interchangeable screw-in tips are available

• Butane not included (*Butane is not sold by Digi-Key*)



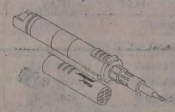
35 Watts

Description	Digi-Key Part No.	Price Each	Weller Part N
Cordless Soldering Iron	C1C-ND	13.61	C1C
Chisel Tip, 3.175mm	C12-ND	2.01	C12
Conical Tip, 3.175mm	C13-ND	2.01	C13

Features:
• Gives the ultimate in portable power and convenience for all soldering jobs
• Provides 25 - 75 watts of power
• Adjustable temperatures up to 850°F
• Refueled with standard butane refills
• Unit lasts for up to an hour of continuous use
• Butane not included (*Butane is not sold by Digi-Key*)

75 Watts

Description	Digi-Key Part No.	Price Each	Weller Part N
Cordless Soldering Iron with PPT6 Tip, 2.4mm	P2C-ND	33.48	P2C
Single Flat, Solder Tip, 1.0mm	PPT1-ND	8.07	PPT1
Single Flat, Solder Tip, 2.4mm	PPT2-ND	8.07	PPT2
Single Flat, Solder Tip, 4.8mm	PPT4-ND	7.65	PPT4
Double Flat, Solder Tip, 1.0mm	PPT5-ND	8.07	PPT5
Double Flat, Solder Tip, 2.4mm	PPT6-ND	8.07	PPT
Hot Knife Tip	PPT10-ND	7.83	PPT10
Hot Air Tip	PPT9-ND	7.83	PPT9
Hot Air Tip with Deflector	PPT13-ND	12.54	PPT13



Features: • Self-igniting portable butane heat tool • Anti-static soldering • "Auto Switch" safety shut-off iron plated tips, and built-in butane filter • Rugged stainless-steel body provides up to 125 watts of power • Adjustable temperature up to 1,076°F • Fuel level is clearly visible through a window on the body of the tool • Butane not included (*Butane is not sold by Digi-Key*)

125 Watts

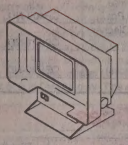
Description	Digi-Key Part No.	Price Each	Weller Part N
Cordless Soldering Iron	PSI100C-ND	58.31	PSI10
Single Flat, Solder Tip, 1.0mm	PSI1-ND	10.31	PSI1
Single Flat, Solder Tip, 2.4mm	PSI2-ND	10.31	PSI2
Single Flat, Solder Tip, 3.2mm	PSI3-ND	10.31	PSI3
Single Flat, Solder Tip, 4.8mm	PSI4-ND	10.31	PSI4
Single Chisel, Solder Tip, 1.0mm	PSI5-ND	10.31	PSI5
Double Flat, Solder Tip, 2.4mm	PSI6-ND	10.31	PSI6
Double Flat, Solder Tip, 3.2mm	PSI7-ND	10.31	PSI7
Double Flat, Solder Tip, 4.8mm	PSI8-ND	10.31	PSI8
Hot Blower Tip	PSI9-ND	10.31	PSI9
Hot Knife Tip	PSI10-ND	10.31	PSI10

K

OK Industries
Division of Jonard Industries Corp.

enchtop Fume Absorber

odynamic hood design effectively draws
der fumes away from the work area.
bon filters traps up to 80% of the flux
es.
mpact size and adjustable for convenient
cement near work area.
ional articulating arm with bench mount
np converts benchtop fume absorber to
pended fume absorber for positioning
ctly over the work area.
Inexpensive alternative to individual
e extraction.



Description	Digi-Key Part No.	Price Each
Benchtop Fume Absorber, 115V with 3 Filters	K416-ND	101.20
Benchtop ESD Safe Fume Absorber, – 115V with 3 Filters	K417-ND	123.00
Articulating Arm Assembly Kit w/ Bench Clamp	K418-ND	167.65
Replacement Carbon Filter Set, 3 Pcs.	K419-ND	20.43
Benchtop Fume Absorber, with Articulating Arm, 115V	K498-ND	228.65
Benchtop ESD Safe Fume Absorber – with Articulating Arm, 115V	K499-ND	273.62

acuum Desolder Pumps

atures durable corrosion resistant plastic construction and corrosion
ated springs with uniform reset pressure and cushioned shock
uction. Fitted with replaceable teflon tips.

Fig. 1

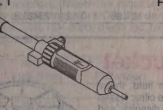


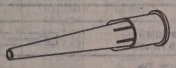
Fig. 2

Description	Digi-Key Part No.	Price Each
Fig. 1		
High-Vac Desoldering Pump with Tip, Blue Repl. Teflon Tip for K412-ND, K500-ND	K412-ND K413-ND	18.75 3.00
ESD Safe Desoldering Pump with Tip, Black Repl. ESD Safe Teflon Tip for K414-ND	K414-ND K415-ND	23.75 5.00
Fig. 2		
Desoldering Pump	K500-ND	11.83

ECHCON
SYSTEMS

ispensing Tips

se tips are molded in high density polyethylene with color coding
cating tip inside diameter.



35-ND .063" (1.60mm) ID Tan Color (pkg. of 50)..... $31.33
36-ND .047" (1.19mm) ID Grey Color (pkg. of 50)..... $31.33
37-ND .033" (.84mm) ID Green Color (pkg. of 50)..... $31.33
38-ND .024" (.61mm) ID Pink Color (pkg. of 50)..... $31.33
39-ND .016" (.41mm) ID Blue Color (pkg. of 50)..... $31.33

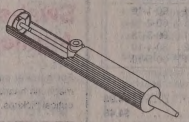
Paladin Tools®

Desoldering Pump

Desoldering tool removes solder with simple push-button operation.

A conductive tool for anti-static operation.

Replaceable tips available.

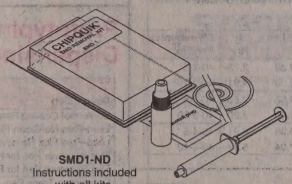


PAL1700-ND Desoldering Pump..... $16.99
PAL2712-ND Replacement Tip..... $5.49

CHIP QUIK® SMD Removal Kits

IP QUIK SMD rework products are designed as a low cost way to
ork SMD components including QFP and PLCC packages, with very
temperature (300°F). It virtually eliminates damaged pads and circuitry
ost boards due to heat damage. SMD1 contains everything needed for
oving SMD components with either convection (hot air) or conduction
lder iron). Use SMD16, SMD32, and SMD291 for larger jobs which
uire more CHIP QUIK material and flux. SMD2000 kit is a complete
der/Desolder rework kit for safely removing SMD components, cleaning
pads, placing component and reapplying solder safely with low operating
peratures. Approved by many top industry PC board manufacturers
reworking faulty components, without the need for specialized solder
ipment.

IP QUIK removal alloy-no lead formula has been tested for rework on PC
ards that were manufactured with lead and no-lead solders with excellent
ults on both. It has also been successfully tested for SMD removal on all
major no-lead solders that are presently available in the industry.



SMD1-ND
Instructions included with all kits.

SMD2000 Contents (in durable plastic case): • CHIP QUIK Removal Alloy SMD 4.5 with instructions • Solder Paste: No clean 63/37 rework der paste with flux in 1cc syringe with nozzle and cap (trial size) • Solder: 3 feet 63/27 2% silver .031 inches • Chip Quik Paste Flux: No clean in 1cc syringe with nozzle and cap used for solder/desolder • Liquid Flux Remover/Cleaner: 5cc container with applicator (non-flammable) robe Kit: 4 stainless steel dental picks for SMD removal and placement • Solder Wick: No clean, 5 feet • Handi Vac: SMD pick and place l with tips • Acid Brush: Quantity 2 • Precision Tweezers: For SMD removal and placement • Cleaning Wipes: Tight weave / low lint 4" x 4", antity 6 (for cleaning PC board) • Swabs: Double ended, Quantity 10 (for cleaning PC board) • Alcohol Pads: Quantity 6 (for cleaning PC ard) • CHIP QUIK SMD removal and clean up instructions.

Description	Digi-Key Part No.	Price Each	CHIP QUIK Part No.
ndustrial Pack Replacement Low Temp. Solder 16'	SMD16-ND	82.50	SMD16
ndustrial Pack Low Temp. No Lead Solder 16'	SMD16NL-ND	97.50	SMD16NL
ndustrial Pack Replacement Low Temp. Solder 32'	SMD32-ND	150.00	SMD32
ndustrial Pack Low Temp. No Lead Solder 32'	SMD32NL-ND	172.50	SMD32NL
lo Clean Paste Flux for Rework, 10cc Syringe	SMD291-ND	14.63	SMD291
SMD Removal Kits			
For 8-10 SMDs	SMD1-ND	15.00	SMD1
Complete Rework Kit, Contents Listed	SMD2000-ND	105.00	SMD2000

3M Scotch™ No. 854 Polyester Tape

An opaque, cream-colored polyester tape with excellent chemical resistance in precious metal plating, especially gold

General Information: • Polyester film backing imparts excellent chemical and thermal stability • Remains flexible at -60°F (-50°C) and retains dimensional stability up to 300°F (149°C)

• Construction: • Backing: Polyester • Adhesive: Rubber • Color: Cream • Standard Roll Length: 72 yards (66m) • Elongation at Break: 123% • Backing Thickness: 1 mil (.02mm) • Total Tape Thickness: 2.7 mils (.065mm) • Water Vapor Transmission Rate: 1.6 gms H_2O/100 square inches/24 hours (24.8 g/m²/24 hours) • Resists many solvents found in photographic, electroplating and chemical milling processes. Hot caustics will weaken the backing after prolonged immersion

Application Ideas: • Excellent chemical resistance in precious metal plating, especially gold • Excellent results in sodium hydroxide etching of aluminum • Chemical milling • General splicing

3M85402-ND 2" Polyester Tape, 2" (50.8mm) wide..... $33.35
3M85401-ND 1" Polyester Tape, 1" (25.4mm) wide..... $15.79

Scotch™ No. 5414 Water Soluble Tape

Get reliable protection for your circuit boards during wave soldering with this water soluble tape • Saves time and clean-up costs by completely dissolving during in-line, aqueous cleaning operations • Biodegradable, non-toxic tape has a neutral pH and leaves no residue • Eliminates static and labor usually associated with tape removal • Packaged in a moisture impervious bag which ensures long term storage stability under extreme humidity

Construction: • Backing: PVA film • Adhesive: Water soluble synthetic adhesive • Liner: Kraft paper • Color: Hazy, transparent • Standard Roll Length: 36 yards (33m) • Tensile Strength: 6.2 pounds/inch width (115.6 N/100mm) • Total Thickness: 2.5 mils (.06mm) • Dissolution Time: 40 seconds at 140° with agitation

3M541434-ND 0.75" (19.05mm) wide..... $21.94
3M541412-ND 0.5" (12.70mm) wide..... $24.38

Scotch™ No. 5413 Polyimide Film Tape

Increase your productivity with this superior performing Kapton™ polyimide film tape • Chemical and radiation resistant polyimide film is dimensionally stable at high temperatures, and flame retardant • Strong, heat resistant silicone adhesive resists adhesive transfer at elevated temperatures, providing higher productivity • Rated for continuous use at 500°F and intermittent use at 700°F, Scotch™ brand No. 5413 provides an excellent mask for high temperature powder coating • Color: Amber • Roll Length: 36 yards (33m) • Total Tape Thickness: 2.7 mils (.07mm) • Temperature Use Range: -100°F – 500°F (-73°C – 270°C)

3M541334-ND 0.75" (19.05mm) wide..... $36.64
3M541312-ND 0.5" (12.70mm) wide..... $24.42

Scotch™ No. 5419 Low Static Polyimide Film Tape

A translucent, polyimide film-backed silicone adhesive tape with unique and extremely low electrostatic discharge properties. For gold tab protection during wave soldering of printed circuit boards.

General Information: • 5419 tape employs a proprietary technology that results in extremely low electrostatic discharge at unwind and removal from the PWB • Polyimide film does not soften at elevated temperatures, thus, the film provides an excellent release surface at elevated temperatures.

Construction: • Backing: Polyimide • Adhesive: Silicone • Color: Gold • Standard Roll Length: 36 yards (33m) • Tensile Strength: 33 pounds/inch width (578N/100mm) • Total Tape Thickness: 2.7 mils (.07mm) • Temperature Use Range: -100°F – 500°F (-73°C – 260°C) • Insulation Resistance: $>1*10^6$ Ω

Applications: Mask for printed circuit boards during wave solder or solder dip process; used as release surface in fabrication of parts cured at elevated temperatures

3M591934-ND 0.75" (19.05mm) wide..... $39.37
3M591912-ND 0.5" (12.70mm) wide..... $25.07

K

ITW Chemtronics — Desoldering Braid

Pure copper braid construction coated with high purity rosin, quickly and thoroughly removes solder. Use Chem-Wik® or Soder-Wick® to remove components, SMDs, ICs, blobs and clean up poor solder connections. **Meets or Exceeds these Requirements:** • Mil-F-14256F Type R • NASA NHB 5300.4(3A) Reliability and Quality Assurance publication • NASA SP-5002 Soldering Electrical Connections • NASA NPC200-4 Quality publication • DOD Standard 1686B and DOD Handbook 263 • Mil-B-81705C Static Decay Rate Provision • Mil-Std-2000A

Width Inch (mm)	Length Feet (Meter)	Label Color	Digi-Key Part No.	1	Price Each 25	100	Chemtronics Part No.
Chem-Wik Desoldering Braid							
.030 (.76)	5 (1.52)	White	CW2-5-ND	3.06	2.76	2.22	2-5L
.030 (.76)	25 (7.62)	White	CW2-25-ND	13.26	11.94	9.62	2-25L
.050 (1.27)	25 (7.62)	Yellow	CW5-25-ND	13.26	11.94	9.62	5-25L
.075 (1.91)	25 (7.62)	Green	CW7-25-ND	13.78	12.41	10.00	7-25L
.100 (2.54)	25 (7.62)	Blue	CW10-25-ND	14.72	13.25	10.68	10-25L
.030 (.76)	100 (30.48)	Gray	2-100L-ND	52.92	47.63	38.37	2-100L
.050 (1.27)	100 (30.48)	Yellow	5-100L-ND	52.92	47.63	38.37	5-100L
.075 (1.91)	100 (30.48)	Green	7-100L-ND	54.90	49.41	39.81	7-100L
.100 (2.54)	100 (30.48)	Blue	10-100L-ND	58.84	52.96	42.66	10-100L
Soder-Wick Desoldering Braid							
.030 (.76)	5 (1.52)	White	80-1-5-ND	3.46	3.12	2.51	80-1-5
.060 (1.52)	5 (1.52)	Yellow	80-2-5-ND	3.46	3.12	2.51	80-2-5
.080 (2.03)	5 (1.52)	Green	80-3-5-ND	3.74	3.37	2.72	80-3-5
.110 (2.79)	5 (1.52)	Blue	80-4-5-ND	4.02	3.62	2.92	80-4-5
.145 (3.68)	5 (1.52)	Brown	80-5-5-ND	4.46	4.02	3.24	80-5-5
.210 (5.33)	5 (1.52)	Red	80-6-5-ND	4.70	4.23	3.41	80-6-5
.030 (.76)	25 (7.62)	White	50-1-25-ND	15.16	13.65	11.00	50-1-25
.060 (1.52)	25 (7.62)	Yellow	50-2-25-ND	15.16	13.65	11.00	50-2-25
.080 (2.03)	25 (7.62)	Green	50-3-25-ND	15.58	14.03	11.30	50-3-25
.110 (2.79)	25 (7.62)	Blue	50-4-25-ND	17.20	15.48	12.47	50-4-25
.145 (3.68)	25 (7.62)	Brown	50-5-25-ND	19.28	17.36	13.98	50-5-25
.210 (5.33)	25 (7.62)	Red	50-6-25-ND	20.48	18.44	14.85	50-6-25
.060 (1.52)	100 (30.48)	Yellow	50-2-100-ND	58.72	52.85	42.58	50-2-100
.080 (2.03)	100 (30.48)	Green	50-3-100-ND	61.16	55.05	44.35	50-3-100
.110 (2.79)	100 (30.48)	Blue	50-4-100-ND	67.50	60.75	48.94	50-4-100
No-Clean Soder-Wick Desoldering Braid							
.030 (.76)	5 (1.52)	White	60-1-5-ND	3.74	3.37	2.72	60-1-5
.060 (1.52)	5 (1.52)	Yellow	60-2-5-ND	3.74	3.37	2.72	60-2-5
.080 (2.03)	5 (1.52)	Green	60-3-5-ND	3.88	3.50	2.82	60-3-5
.110 (2.79)	5 (1.52)	Blue	60-4-5-ND	4.46	4.02	3.24	60-4-5
.145 (3.68)	5 (1.52)	Brown	60-5-5-ND	4.88	4.40	3.54	60-5-5
.210 (5.33)	5 (1.52)	Red	60-6-5-ND	5.26	4.76	3.83	60-6-5
.030 (.76)	10 (3.04)	White	60-1-10-ND	6.76	6.09	4.91	60-1-10
.060 (1.52)	10 (3.04)	Yellow	60-2-10-ND	6.76	6.09	4.91	60-2-10
.080 (2.03)	10 (3.04)	Green	60-3-10-ND	7.18	6.47	5.21	60-3-10
.110 (2.79)	10 (3.04)	Blue	60-4-10-ND	8.02	7.22	5.82	60-4-10
.145 (3.68)	10 (3.04)	Brown	60-5-10-ND	8.84	7.96	6.41	60-5-10

Ball Grid Array (BGA) Desoldering Braid

60-BGA-5-ND Soder-Wick BGA, No-Clean, 5 Feet (1.52 Meter) **$4.95**

80-BGA-5-ND Soder-Wick BGA, Rosin, 5 Feet (1.52 Meter) **$4.48**

Lead-Free SD Desoldering Braid

RoHS COMPLIANT

Soder-Wick® Lead-Free is the state of the art in desoldering technology. It is specially designed for removal of today's high temperature lead-free solders.

Features: • Fastest wicking and heat transfer • Halide free, no corrosive residues • Minimizes risk of heat damage to pads, components and PBCs • Can be used with Tin/Lead solders **Specifications**: ANSI/IPC J STD-004; MIL-F-14256 F **No-Clean Flux Specifications**: MIL-STD-883B; Bellcore TR-NWT-000078; ANSI/IPC J SF818

Width Inch (mm)	Length Feet (Meter)	Label Color	Digi-Key Part No.	1	Price Each 25	100	Chemtronics Part No.
.060 (1.5)	5 (1.52)	Yellow	40-2-5-ND	3.76	3.39	2.73	40-2-5
.060 (1.5)	10 (3.04)	Yellow	40-2-10-ND	6.76	6.09	4.91	40-2-10
.080 (2.0)	5 (1.52)	Green	40-3-5-ND	3.92	3.53	2.85	40-3-5
.080 (2.0)	10 (3.04)	Green	40-3-10-ND	7.16	6.45	5.20	40-3-10
.110 (2.8)	5 (1.52)	Blue	40-4-5-ND	4.42	3.98	3.21	40-4-5
.110 (2.8)	10 (3.04)	Blue	40-4-10-ND	7.82	7.04	5.67	40-4-10

Lead-Free Pocket Solder

RoHS COMPLIANT

Lead-Free pocket solder is the high purity pocket-sized solder in a convenient dispenser for rework and repair.

Specifications: • Diameter 0.04" (1mm) • RMA Flux Core: 3% • Solder Composition: (Sn) 96.5% (Ag) 3.0% (Cu) 0.5% • Melting Point: 419° ~ 424°F (215° ~ 219°C)

S200-ND 125" (3.18m) **$14.51**

Presaturated Wipes

Description	Digi-Key Part No.	Price Each 1	25	Chemtronics Part No.
Optic Prep High Quality Optical Cleaning and Polishing Pads (50 Pcs.)	CP410-ND	22.13	20.00	CP410
Chempad General Purpose, Lint-free, Nonabrasive Cleaning Pads (50 Pcs.)	CP400-ND	24.35	22.01	CP400
Electro-Wash® MX Plastic-Safe Cleaner 8" x 10" (25 Pcs.)	CP421-ND	46.64	41.98	CP421
Screen-Prep Wet-and-Dry Wipes for Monitor Screens (25 Twin Packs)	CSP20-ND	26.10	23.58	CSP20

Unsaturated Wipes

Description	Digi-Key Part No.	Price Each 1	25	Chemtron Part No.
Lightweight Polyester Wipes, 9" x 9" (150 Pcs.)	6209-ND	57.50	51.96	6209
Polyester/Cellulose Blend, Nonwoven Wipes, 4" x 4" (1200 Pcs.)	6704CH-ND	30.08	27.18	6704
Polyester/Cellulose Blend, Nonwoven Wipes, 9" x 9" (300 Pcs.)	6709CH-ND	30.08	27.18	6709
Polyester/Cellulose Blend, Nonwoven Wipes, 12" x 13" (50 Pcs.)	6713-ND	10.62	9.56	6713
Sealed Edge Microfiber Chamois™ Wipes, 8" x 8" (50 Pcs.)	7348LE-ND	121.86	110.12	7348LE

Hand Cleaner Towels-In-a-Bucket

Whether you are in the shop, on the assembly line, or out in the field, these premoistened towels are ready to use for your hard working hands. The citrus based formula combined with an absorbent, non-scratching towel will loosen, dissolve, and absorb soils from your hands. Towels will not re-transfer soils back onto your skin, and will leave your hands conditioned and protected while you clean. Residue free.

Quickly Removes: • Adhesives • Caulk • Dirt • Epoxy • Grease • Grime • Lubricants • Ink and Dye • Sealants • Tar • Urethane • Wax • Asphalt • Polyurethane • Paint • Oils

For More Than Just Hands: • Tools • Plastics • Vinyl • Painted Surfaces • Metal • Work Surfaces • Equipment • Composites • Workbenches

42272-ND 72 Towels (10.5" x 12.25") **$2**

Swabs and Applicators

For general purpose cleaning of magnetic heads, video heads and optical pickups.

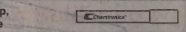
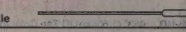
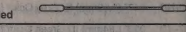
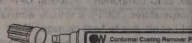
Fig. 1	Chamois Tip, ABS Handle	
Fig. 2	Cotton Tip, Wood Handle	
Fig. 3	Cotton Tip, Double Ended	

Fig.	Qty. (Pcs.)	Length Inch (mm)	Digi-Key Part No.	1	Price Each 25	100	Chemtronics Part No.
1	50	3.25 (82.55)	CC50-ND	37.25	33.66	31.42	CC50
2	100	6.00 (152.40)	CT100-ND	3.72	3.36	3.14	CT100
3	100	6.00 (152.40)	CT200-ND	3.97	3.59	3.35	CT200
	1000	6.00 (152.40)	CT2000-ND	31.74	28.68	26.77	CT2000
—	25	5.00 (127)	CS25-ND	30.54	27.60	25.76	CS25

Prototyping and Rework Dispensing Pens



Description	Digi-Key Part No.	Price Each 1	25	Chemtro Part No.
Conformal Coating Remover Pen for PCBs (.32 Oz.)	CW3500-ND	12.43	11.24	CW3500
Lead-Free No-Clean Flux Dispensing Pen (.32 Oz.)	CW8400-ND	7.30	6.60	CW8400
Lead-Free Flux Remover Pen (.32 Oz.)	CW9400-ND	9.25	8.36	CW9400
Flux Remover Pen for No-Clean Fluxes (.32 Oz.)	CW9100-ND	9.63	8.70	CW9100
Flux Remover Pen for Rosin Based Fluxes (.32 Oz.)	CW9200-ND	9.25	8.36	CW9200
Conductive Trace Pen, Std. Tip for Repairing PCBs	CW2200STP-ND	21.96	19.85	CW2200
Conductive Trace Pen, Micro Tip for Repairing PCBs	CW2200MTP-ND	21.96	19.85	CW2200
Overcoat Pen for Protecting Conductive Trace on PCB	CW3300G-ND	16.10	14.55	CW3300
Conductive Silver Grease for Relays and Connectors	CW7100-ND	22.66	20.48	CW7100
Conductive Rubber Keypad Repair Kit	CW2605-ND	15.06	13.61	CW2605

Clean Room Products

Swabs and Applicators

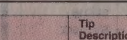
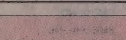
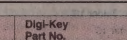
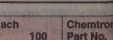
Fig. 1	Fig. 2	Fig. 3	Fig. 4
			

Fig.	Qty. (Pcs.)	Length Inch (mm)	Shaft Description	Tip Description	Digi-Key Part No.	1	Price Each 25	100	Chemtro Part No.
1	500	2.80 (71.10)	.10" (2.54mm) Width ESD Shaft	.12" (3.05mm) Diameter, Knit Polyester Tip	31040ESD-ND	102.34	92.48	86.31	31040ESD
	500	2.80 (71.10)	.10" (2.54mm) Width Polypropylene Shaft	.13" (3.30mm) Diameter, Foam Polyurethane Tip	41050-ND	41.13	37.17	34.70	41050
	500	2.80 (71.10)	.10" (2.54mm) Width ESD Shaft	.13" (3.30mm) Diameter, Foam Polyurethane Tip	41050ESD-ND	92.16	83.28	77.73	41050ESD
2	500	3.20 (81.28)	.10" (2.54mm) Width Polypropylene Shaft	.11" (2.79mm) Diameter, Foam Polyurethane Tip	44070-ND	49.55	44.78	41.79	44070
	500	3.20 (81.28)	.10" (2.54mm) Width ESD Shaft	.11" (2.79mm) Diameter, Foam Polyurethane Tip	44070ESD-ND	92.16	83.28	77.73	44070ESD
	50	6.70 (170.18)	Polypropylene Shaft	Tapered Applicator Porous Polyvinylidene Fluoride Tip	CM502-ND	32.40	29.28	27.33	CM502
3	500	6.00 (152.40)	.09" (2.29mm) Width Wood Shaft	.47" (11.94mm) Diameter, Polyurethane Foam over Cotton Tip	23110-ND	128.75	116.34	108.59	23110
4	25	6.30 (160.02)	.12" (3.05mm) Width Glass Filled Nylon Shaft	.26" (6.60mm) Diameter, Knit Polyester Tip	52121-ND	14.38	12.99	12.13	52121

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Solder Paste

ester solder paste was developed for applications of surface mount PCBs and components. All pastes re SN63/PB37 with a mesh size of +325 to +500 (25 to 40 microns) and come in 35gm syringes for hand spensing. R276 No-Clean formulation provides optimal performance in all types of dispensing applications. esigned for reflow practices that don't require cleaning of the PCB. R500 Water Soluble solder paste is ggressive enough to remove tenacious oxide layers and offers excellent wetting characteristics. **Pastes hould be refrigerated to preserve their usable life.** ***Note:*** To ensure customer satisfaction and product tegrity, pastes must be shipped overnight or 2nd Day Air only. Tips are not included.

Description	Digi-Key Part No.	Price Each 1	5	10
Plunger for 35gm Syringe	KE1505-ND	1.10	.99	.88
No-Clean Paste, 35gm Syringe (R276)	KE1507-ND	42.00	37.80	33.60
Water Soluble Paste, 35gm Syringe (R500)	KE1512-ND	42.00	37.80	33.60

Paste Flux and Liquid Flux Pens

Flux - Pen

Rosin Paste

Syringe

Kester flux pens use a spring-loaded tip to dispense just the right amount of flux while preventing the flux inside from drying out. Tacky Solder Flux is a No-Clean paste flux that maintains its characteristics for up to 8 hours after dispensing and can be used in a wide range of temperature and humidity conditions. Can reflow in both air and nitrogen environments. SP244 is a mildly activated rosin paste flux designed to be used as a No-Clean formula for rework applications.

Description	Digi-Key Part No.	Price Each 1	5	10
SP44 Activated Rosin Paste Flux, 2 oz (56.70g) Can	KE1700-ND	1.28	1.15	1.02
SP44 Activated Rosin Paste Flux, 1 Lb. (.45 kg) Can	KE1701-ND	6.72	6.05	5.38
Flux Pen - Formula 186 RMA (10mL)	KE1803-ND	3.70	3.33	2.96
Flux Pen - Formula 951 No-Clean (10mL)	KE1804-ND	3.70	3.33	2.96
Flux Pen 2331-ZX Water-Soluble (10mL)	KE1808-ND	3.70	3.33	2.96
Tacky Solder Flux No-Clean, 10gm Syringe	KE1806-ND	19.25	17.33	15.40
Tacky Solder Flux No-Clean, 30gm Syringe	KE1807-ND	57.75	51.98	46.20

EasyBraid Co. Desoldering Braid

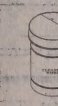
5% cleaner than most major brands (leaving less residue on the desoldered onnection). Meets the requirements of Mil-F-14256F Type R, Mil STD. 2000 and compliance with DOD Standard 1686A. Also meets the requirements of Belicore pec. TR-TSY-000078 and Ipc Test Method III. Easy Braid numbers ending in AS are ntistatic bobbins.

Width Inch (mm)	Length Ft. (Meter)	Label Color	Digi-Key Part No.	Price Each 1	25	Easy Braid Part No.
Quick Braid						
.025 (.64)	5 (1.52)	Silver	EB1020-ND	2.33	1.98	Q-A-5
.050 (1.27)	5 (1.52)	Gold	EB1022-ND	2.33	1.98	Q-B-5
.075 (1.91)	5 (1.52)	Green	EB1024-ND	2.40	2.04	Q-C-5
.100 (2.54)	5 (1.52)	Blue	EB1026-ND	2.66	2.26	Q-D-5
.125 (3.18)	5 (1.52)	Brown	EB1028-ND	2.80	2.38	Q-E-5
.025 (.64)	5 (1.52)	Silver	EB1084-ND	2.33	1.98	Q-A-5AS
.050 (1.27)	5 (1.52)	Gold	EB1087-ND	2.33	1.98	Q-B-5AS
.075 (1.91)	5 (1.52)	Green	EB1090-ND	2.40	2.04	Q-C-5AS
.100 (2.54)	5 (1.52)	Blue	EB1093-ND	2.80	2.38	Q-D-5AS
.125 (3.18)	5 (1.52)	Brown	EB1096-ND	2.80	2.38	Q-E-5AS
.025 (.64)	10 (3.04)	Silver	EB1085-ND	3.90	3.32	Q-A-10AS
.050 (1.27)	10 (3.04)	Gold	EB1088-ND	3.90	3.32	Q-B-10AS
.075 (1.91)	10 (3.04)	Green	EB1091-ND	4.00	3.40	Q-C-10AS
.100 (2.54)	10 (3.04)	Blue	EB1094-ND	4.42	3.76	Q-D-10AS
.125 (3.18)	10 (3.04)	Brown	EB1097-ND	4.70	4.00	Q-E-10AS
.025 (.64)	25 (7.62)	Silver	EB1021-ND	10.15	8.64	Q-A-25
.050 (1.27)	25 (7.62)	Gold	EB1023-ND	10.15	8.64	Q-B-25
.075 (1.91)	25 (7.62)	Green	EB1025-ND	10.41	8.86	Q-C-25
.100 (2.54)	25 (7.62)	Blue	EB1027-ND	12.29	10.46	Q-D-25
.125 (3.18)	25 (7.62)	Brown	EB1029-ND	12.55	10.68	Q-E-25
.025 (.64)	100 (30.48)	Silver	EB1086-ND	35.84	30.50	Q-A-100
.050 (1.27)	100 (30.48)	Gold	EB1089-ND	35.84	30.50	Q-B-100
.075 (1.91)	100 (30.48)	Green	EB1092-ND	36.94	31.44	Q-C-100
.100 (2.54)	100 (30.48)	Blue	EB1095-ND	40.91	34.82	Q-D-100
.125 (3.18)	100 (30.48)	Brown	EB1098-ND	46.01	39.16	Q-E-100
One Step (RMA No-Clean)						
.025 (.64)	5 (1.52)	Silver	EB1050-ND	2.73	2.32	OS-A-5
.050 (1.27)	5 (1.52)	Gold	EB1052-ND	2.73	2.32	OS-B-5
.075 (1.91)	5 (1.52)	Green	EB1054-ND	2.80	2.38	OS-D-5
.100 (2.54)	5 (1.52)	Blue	EB1056-ND	3.22	2.74	OS-D-5
.125 (3.18)	5 (1.52)	Brown	EB1058-ND	3.71	3.16	OS-E-5
.025 (.64)	5 (1.52)	Silver	EB1099-ND	2.73	2.32	OS-A-5AS
.050 (1.27)	5 (1.52)	Gold	EB1102-ND	2.73	2.32	OS-B-5AS
.075 (1.91)	5 (1.52)	Green	EB1105-ND	2.80	2.38	OS-C-5AS
.100 (2.54)	5 (1.52)	Blue	EB1108-ND	3.22	2.74	OS-D-5AS
.125 (3.18)	5 (1.52)	Brown	EB1111-ND	3.71	3.16	OS-E-5AS
.025 (.64)	25 (7.62)	Silver	EB1051-ND	12.27	10.44	OS-A-25
.050 (1.27)	25 (7.62)	Gold	EB1053-ND	12.27	10.44	OS-B-25
.075 (1.91)	25 (7.62)	Green	EB1055-ND	12.64	10.76	OS-C-25
.100 (2.54)	25 (7.62)	Blue	EB1057-ND	14.10	12.00	OS-D-25
.125 (7.62)	25 (7.62)	Brown	EB1059-ND	16.12	13.72	OS-E-25
.025 (.64)	100 (30.48)	Silver	EB1101-ND	46.27	39.38	OS-A-100
.050 (1.27)	100 (30.48)	Gold	EB1104-ND	46.27	39.38	OS-B-100
.075 (1.91)	100 (30.48)	Green	EB1107-ND	47.73	40.62	OS-C-100
.100 (2.54)	100 (30.48)	Blue	EB1110-ND	53.32	45.38	OS-D-100
.125 (3.18)	100 (30.48)	Brown	EB1113-ND	61.38	52.24	OS-E-100
.025 (.64)	10 (3.04)	Silver	EB1100-ND	4.44	3.78	OS-A-10AS
.050 (1.27)	10 (3.04)	Gold	EB1103-ND	4.44	3.78	OS-B-10AS
.075 (1.91)	10 (3.04)	Green	EB1106-ND	4.56	3.88	OS-C-10AS
.100 (2.54)	10 (3.04)	Blue	EB1109-ND	5.10	4.34	OS-D-10AS
.125 (3.18)	10 (3.04)	Brown	EB1112-ND	5.59	4.76	OS-E-10AS
One Step Lead-Free (RMA No-Clean)						
.025 (.64)	5 (1.52)	Silver	EB1188-ND	3.53	3.00	LF-A-5AS
.050 (1.27)	5 (1.52)	Gold	EB1189-ND	3.53	3.00	LF-B-5AS
.075 (1.91)	5 (1.52)	Green	EB1190-ND	3.71	3.16	LF-C-5AS
.100 (2.54)	5 (1.52)	Blue	EB1191-ND	4.18	3.56	LF-D-5AS
.125 (3.18)	5 (1.52)	Brown	EB1192-ND	4.89	4.16	LF-E-5AS
One Step 2 (Low Residue Synthetic Rosin No-Clean)						
.075 (1.91)	100 (30.48)	Green	EB1128-ND	56.55	48.13	OS2-C-100
.100 (2.54)	100 (30.48)	Blue	EB1133-ND	63.25	53.83	OS2-D-100
SEA BRAID (unfluxed)						
.025 (.64)	5 (1.52)	Silver	EB1170-ND	2.33	1.98	S-A-5AS
.050 (1.27)	5 (1.52)	Gold	EB1173-ND	2.33	1.98	S-B-5AS
.075 (1.91)	5 (1.52)	Green	EB1176-ND	2.40	2.04	S-C-5AS
.100 (2.54)	5 (1.52)	Blue	EB1179-ND	2.66	2.26	S-D-5AS
.125 (3.18)	5 (1.52)	Brown	EB1182-ND	2.80	2.38	S-E-5AS
.025 (.64)	10 (3.04)	Silver	EB1171-ND	3.90	3.32	S-A-10AS
.050 (1.27)	10 (3.04)	Gold	EB1174-ND	3.90	3.32	S-B-10AS
.075 (1.91)	10 (3.04)	Green	EB1177-ND	4.00	3.40	S-C-10AS
.100 (2.54)	10 (3.04)	Blue	EB1180-ND	4.42	3.76	S-D-10AS
.125 (3.18)	10 (3.04)	Brown	EB1183-ND	4.70	4.00	S-E-10AS
.025 (.64)	100 (30.48)	Silver	EB1172-ND	35.84	30.50	S-A-100
.050 (1.27)	100 (30.48)	Gold	EB1175-ND	35.84	30.50	S-B-100
.075 (1.91)	100 (30.48)	Green	EB1178-ND	36.94	31.44	S-C-100
.100 (2.54)	100 (30.48)	Blue	EB1181-ND	40.91	34.82	S-D-100
.125 (3.18)	100 (30.48)	Brown	EB1184-ND	46.01	39.16	S-E-100

Solder Sponges

Type	Size (Inch)	Replacements	Digi-Key Part No.	Price Each 1	25	50
One Hole	1.2 x 2.7	OK Ind. 45803S	EB1001-ND	1.18	1.01	.91
One Hole	1.55 x 2.55	Ungar 9901	EB1002-ND	1.23	1.05	.95
Slits	2 x 2.6	Weller MP	EB1003-ND	1.05	.90	.81
One Hole	2.2 x 3.5	Weller DS-100; EC-1000; EC-2000	EB1004-ND	1.67	1.42	1.28
Multiple Holes	2.6 x 2.6	Weller WTCP; EC-3000; EC-4000; TC205	EB1005-ND	1.25	1.07	.96
One Hole	2.4 x 3.2	EDSYN Models	EB1010-ND	1.67	1.42	1.28

Wipes - 100 Pre-saturated



IPA/DI Wipes

• 70% Isopropyl alcohol, 30% de-ionized water • General-purpose sterile cleaner that can be used through entire production process • Leaves surfaces free of contamination • Evaporates quickly after cleaning has been completed

Stencil Cleaner Wipes

• Formulated for the removal of stencil contaminants • Evaporates quickly to leave surfaces clean and dry • Odor-free • Removes contaminants cleanly and without scratching the stencil surface

Description	Digi-Key Part No.	Price Each 1	25	50	100	Easy Braid Part No.
IPA/DI Wipes	EB1186-ND	26.98	22.96	20.67	18.37	EBIPA 100
Stencil Cleaner Wipes	EB1187-ND	27.92	23.76	21.39	19.01	EBSC 100

Variable AC Transformers

STACO ENERGY PRODUCTS CO.

Cased plug-in models feature a ventilated steel case, input line cord and plug, fused NEMA rated output receptacle, and an illuminated on/off switch. They are connected for output voltage increase with a clockwise rotation, and the dials are graduated from 0-100% of the voltage setting.

Fig. 1

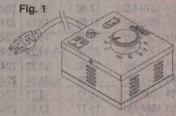


Fig. 2

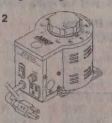


Fig.	Digi-Key Part No.	Input Voltage	Input Frequency (Hz)	Output Voltage	Output Constant Current Load Max. (A)	Output Constant Current Load Max. (KVA)	Net Weight (Lbs.)
1	452-1000-ND	120	60	0-132	2.5	.33	5
	452-1001-ND	120	50/60	0-140	5.0*	.70	7
2	452-1003-ND	120	50/60	0-140	10*	1.4	10 1/4
	452-1004-ND†	120	50/60	0-140	10*	1.4	10 1/4
	452-1005-ND	240	50/60	0-280	3.5*	.98	10 1/4

* Unit is fused for the constant current rating at the factory. † With Voltmeter

Digi-Key Part No.	Price Each 1	5	10	15	Staco Part No.
452-1000-ND	225.00	210.00	202.50	195.00	3PN221B
452-1001-ND	243.00	226.80	218.70	210.60	3PN501B
452-1003-ND	257.40	240.24	231.66	223.08	3PN1010B
452-1004-ND	432.90	404.04	389.61	375.18	3PN1010BV
452-1005-ND	308.70	288.12	277.83	267.54	3PN1020B

Test Leads

Kit Features:

• Test leads with a right angle banana plug are ideal for use with hand held digital multimeter • Test accessories conveniently store in the four-fold nylon pouch • Compatible with most multimeters that accepts safety style sheath banana plugs • CE Compliant; complies with IEC 1010-2-031 standard for hand held accessories

Electrical DMM:

Model 5673B — Kit Includes *(1 red and 1 black of each):* • Modular Probe Set • Extended Fine Point • Extra Large Alligator Clip Set • Medium Alligator Clip Set • Flexible Test Lead Set • Insulated Spade Lug Set

Model 5677B — Kit Includes *(1 red and 1 black of each):* • Flexible Test Lead Set • Extra Large Alligator Clip Set • Test Lead Coupler Set • Retractable Tip Set • Spade Lug Adapter Set • IC Test Probe Tip Adapter Set • Minigrabber Test Clip Set • 0.080 Replacement Probe Tip Set • Replacement Modular Test Probe Set • Minipincer Test Clip Set • Medium Alligator Clip Set

Deluxe Electrical DMM:

Model 5904 — Kit Includes *(1 red and 1 black of each):* • Modular Probe Set • Maxigrabber Test Clip Set with Hook Tip • Maxigrabber Test Clip Set with Pincer Tip • Extra Large Alligator Clip Set • Flexible Test Lead Set • Maxigrabber Test Clip Set with Jaws

Dimensions: Inches (mm

Fig.	Description	Digi-Key Part No.	Price Each 1	Price Each 10	Pomona Part No.
1	IEC 1010 Compliant Replacement Test Leads for Sheathed Style DMM's, Includes: One Red and One Black	501-1004-ND	12.95	11.70	5519A
2	Wide Jaw Kelvin Lead Set, Includes: One Red and One Black	501-1102-ND	115.44	104.31	6730
	Kits				
	Electrical DMM				
—	Electrical DMM Test Lead Kit, Model 5673B	501-1002-ND	55.21	49.89	5673B
	Deluxe Multi-use DMM Maxi-Test Lead Kit, Model 5677B	501-1000-ND	114.04	103.05	5677B
	Deluxe Electrical DMM				
—	Deluxe Electrical DMM Test Lead Kit, Model 5904	501-1118-ND	100.98	91.25	5904/POM

Fig. 1

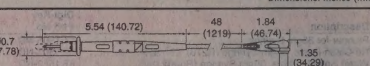
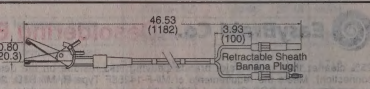


Fig. 2



Cable Assemblies

Dimensions: Inches (mm

Fig. 1

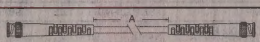


Fig. 2

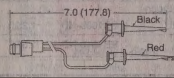
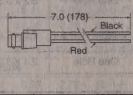


Fig. 3



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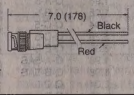
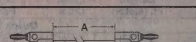


Fig. 5



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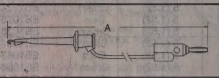

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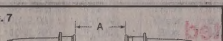
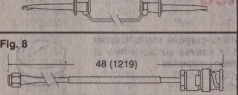


Fig. 8



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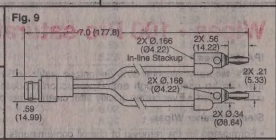


Fig. 10

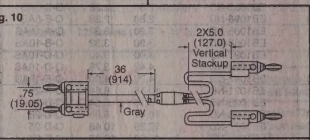


Fig. 11

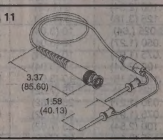


Fig. 12

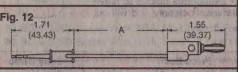


Fig. 13

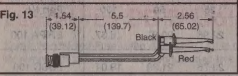


Fig. 14

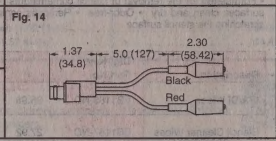


Fig. 15

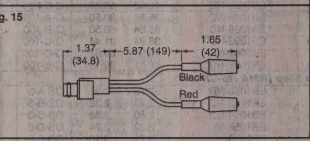
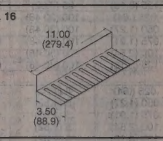


Fig. 16



Model 2249: Materials: • Body: Brass, Tarnish resistant plating • Dielectric: PTFE • Center contact: Gold Plated Brass • Strain Relief: PVC molded directly to cable connectors **Ratings:** • Operating Voltage: Shield/Earth: 30VAC/60VDC maximum, Inner Conductor/Shield: 500VRMS maximum • Operating Temperature: 50°C (122°F) maximum

Model 3788: Minigrabber® test clip hooks attach to terminal sizes up to .060" diameter

Fig.	Description	Color	Dim. A (Inch)	Digi-Key Part No.	Price Each 1	Price Each 10	Pomona Part No.
1	BNC Male to BNC Male, RG58C/U, 50Ω	Black	12	501-1013-ND	14.24	12.87	2249-C-12
		Black	24	501-1016-ND	14.24	12.87	2249-C-24
		Black	36	501-1018-ND	14.24	12.87	2249-C-36
		Black	48	501-1019-ND	17.80	16.08	2249-C-48
		Black	60	501-1020-ND	17.80	16.08	2249-C-60
		Black	72	501-1021-ND	17.80	16.08	2249-C-72
		Black	120	501-1014-ND	21.35	19.29	2249-C-120
		Black	180	501-1015-ND	25.68	23.21	2249-C-180
		Black	300	501-1017-ND	35.01	31.64	2249-C-300
	BNC Male to BNC Male, RG59B/U, 75Ω	Black	12	501-1022-ND	15.17	13.71	2249-E-12
		Black	24	501-1024-ND	15.17	13.71	2249-E-24
		Black	36	501-1025-ND	15.17	13.71	2249-E-36
		Black	48	501-1026-ND	17.86	16.14	2249-E-48
		Black	60	501-1027-ND	17.86	16.14	2249-E-60
		Black	72	501-1028-ND	17.86	16.14	2249-E-72
		Black	120	501-1023-ND	21.46	19.40	2249-E-120
2	BNC Female to Minigrabber Test Clip Breakout	—	—	501-1029-ND	9.93	8.97	3788
3	BNC (Female) to 20AWG Leads	—	—	501-1030-ND	6.71	6.06	4969
4	BNC (Male) to 20AWG Leads	—	—	501-1031-ND	9.35	8.45	4970
5	Stacking Banana Plug both Ends	Black	12	501-1041-ND	4.61	4.17	B-12-0
		Red	12	501-1042-ND	4.61	4.17	B-12-2
		Black	18	501-1043-ND	4.61	4.17	B-18-0
		Red	18	501-1044-ND	4.61	4.17	B-18-2
		Black	24	501-1045-ND	4.61	4.17	B-24-0
		Red	24	501-1046-ND	4.61	4.17	B-24-2
		Black	36	501-1047-ND	4.61	4.17	B-36-0
		Red	36	501-1048-ND	4.61	4.17	B-36-2
		Black	48	501-1049-ND	5.10	4.61	B-48-0
		Red	48	501-1050-ND	5.10	4.61	B-48-2
		Black	72	501-1051-ND	5.10	4.61	B-72-0
		Red	72	501-1052-ND	5.10	4.61	B-72-2
6	Minigrabber Test Clip to Stacking Banana Plug	Black	12	501-1054-ND	5.51	4.98	3782-12-0
		Red	12	501-1055-ND	5.51	4.98	3782-12-2
		Black	24	501-1056-ND	5.51	4.98	3782-24-0
		Red	24	501-1057-ND	5.51	4.98	3782-24-2
		Black	36	501-1058-ND	5.51	4.98	3782-36-0
		Red	36	501-1059-ND	5.51	4.98	3782-36-2
		Black	48	501-1060-ND	5.51	4.98	3782-48-0
		Red	48	501-1061-ND	5.51	4.98	3782-48-2
7	Minigrabber Test Clip Patch Cord	Black	12	501-1062-ND	4.30	3.89	3781-12-0
		Red	12	501-1063-ND	4.30	3.89	3781-12-2
		Black	24	501-1064-ND	4.30	3.89	3781-24-0
		Red	24	501-1065-ND	4.30	3.89	3781-24-2
		Black	36	501-1066-ND	4.30	3.89	3781-36-0
		Red	36	501-1067-ND	4.30	3.89	3781-36-2
7	Minigrabber Test Clip Patch Cord Kit*	—	24	501-1068-ND	40.39	36.50	5523
8	BNC (Male) to SMA (Male), RG316/U	—	48	501-1116-ND	43.18	39.02	4935-BB-4
9	BNC (Female) to Multi-Stacking Banana Plugs	Red/Blk	—	501-1117-ND	9.63	8.70	3073
10	Double Banana Plug to Single Banana Plug Breakouts	Red/Blk	36	501-1123-ND	25.68	23.21	1368-A-36
11	BNC Male to SMD Grabber® Test Clips	Red/Blk	24†	501-1162-ND	25.10	22.68	5304-K-24
			36†	501-1163-ND	25.10	22.68	5304-K-36
12	SMD Grabber® to Stacking Banana Plug	Black	12	501-1164-ND	7.42	6.71	5302-12-0
		Red	12	501-1165-ND	7.42	6.71	5302-12-2
		Black	24	501-1166-ND	7.42	6.71	5302-24-0
		Red	24	501-1167-ND	7.42	6.71	5302-24-2
		Black	36	501-1168-ND	7.42	6.71	5302-36-0
		Red	36	501-1169-ND	7.42	6.71	5302-36-2
13	BNC Male to Minigrabber Test Clip Breakout	Red/Blk	—	501-1137-ND	12.25	11.07	3789
14	BNC Female to Alligator Test Clips	Red/Blk	—	501-1130-ND	10.31	9.32	2630
15	BNC Female to Minigator Test Clips	Red/Blk	—	501-1131-ND	10.31	9.32	2631
	Test Cable Holders (Cold Rolled Steel)						
16	Accepts Cable Size Types RG 59 & RG 108	Black	—	501-1113-ND	9.61	8.69	4408/POM
	Accepts Cable Size Types RG 213 & RG 214	Blue	—	501-1114-ND	11.75	10.62	2708
	Accepts Cable Size Types RG 58 & RG 142	Orange	—	501-1053-ND	11.75	10.62	1508/POM

*** Kit contains 10 Pieces of Model 3781-24** *(One of each color: Black, Red, Brown, Orange, Yellow, Green, Blue, Violet, Gray and White)* † Overall length

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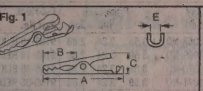
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

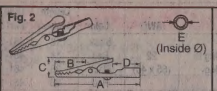
Test Equipment - Clips

Fig. 1



Model BU-30/BU-30C shown

Fig. 2



Model BU-60S/BU-60CS shown

Fig. 3

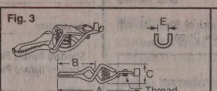
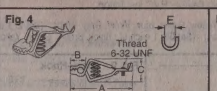
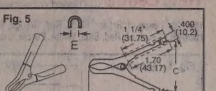


Fig. 4



Model BU-48/BU-48C shown

Fig. 5



Description	Dimensions – Inch (mm) A	B	C	D	E	Jaw Opening Inch (mm)	Current Rating	Material	Connection Type	Digi-Key Part No.	Price Each	Mueller Part No.
Mini Alligator Clip	1-3/32 (27.78)	7/16 (11.11)	5/16 (7.94)	—	3/32 (2.38)	3/16 (4.8)	5A	Steel	Solder/Crimp	314-1010-ND	.34	BU-30
Mini Alligator Clip	1-3/32 (27.78)	7/16 (11.11)	5/16 (7.94)	—	3/32 (2.38)	3/16 (4.8)	5A	Copper	Solder/Crimp	314-1012-ND	.49	BU-30C
Micro Alligator Clip	1-3/32 (27.78)	3/8 (9.52)	5/16 (7.94)	—	3/32 (2.38)	7/32 (5.6)	5A	Steel	Solder/Crimp	314-1017-ND	.59	BU-34
Micro Alligator Clip	1-3/32 (27.78)	3/8 (9.52)	5/16 (7.94)	—	3/32 (2.38)	7/32 (5.6)	5A	Copper	Solder/Crimp	314-1018-ND	.78	BU-34C
Mini Alligator Clip with Barrel	1-1/4" (31.75)	7/16 (11.11)	5/16 (7.94)	1/4 (6.35)	1/8 (3.17)	3/16 (4.8)	5A	Steel	Solder/Crimp	314-1011-ND	.34	BU-30BL
Alligator Clip with Barrel	1-31/32 (50.00)	5/8 (15.88)	7/16 (11.11)	3/4 (19.05)	.16 (4.06)	5/16 (7.9)	10A	Steel	Solder/Crimp	314-1033-ND	.42	BU-60
Alligator Clip with Barrel and Screw	1-31/32 (50.00)	5/8 (15.88)	7/16 (11.11)	3/4 (19.05)	.16 (4.06)	5/16 (7.9)	10A	Copper	6/40Screw	314-1034-ND	1.00	BU-60CS
Alligator Clip with Barrel and Screw	1-31/32 (50.00)	5/8 (15.88)	7/16 (11.11)	3/4 (19.05)	.16 (4.06)	5/16 (7.9)	10A	Steel	6/40Screw	314-1035-ND	.53	BU-60S
Alligator Clip with Barrel	1-31/32 (50.00)	5/8 (15.88)	7/16 (11.11)	3/4 (19.05)	.16 (4.06)	5/16 (7.9)	10A	Stainless Steel	Solder/Crimp	314-1036-ND	.83	BU-60X
Crocodile Clip	2-1/8 (53.97)	15/16 (23.81)	1/2 (12.7)	—	9/64 (3.57)	5/16 (7.9)	5A	Steel	Crimp/6-40 Screw	314-1039-ND	.65	BU-85
Crocodile Clip	2-1/8 (53.97)	15/16 (23.81)	1/2 (12.7)	—	9/64 (3.57)	5/16 (7.9)	10A	Copper	Crimp/6-40 Screw	314-1040-ND	1.40	BU-85C
Heavy Duty Clip	2-27/32 (72.23)	7/16 (11.11)	1-1/8 (28.57)	—	1/4 (6.35)	3/4 (19)	25	Steel	Crimp/8-32 Screw	314-1001-ND	1.05	BU-24APN
Automotive Clip	3 (76.2)	21/32 (16.67)	15/16 (23.81)	—	9/32 (7.15)	3/4 (19)	40	Steel	Crimp/8-32 Screw	314-1002-ND	1.28	BU-25
Automotive Clip	3 (76.2)	21/32 (16.67)	15/16 (23.81)	—	9/32 (7.15)	3/4 (19)	75	Copper	Crimp/8-32 Screw	314-1003-ND	2.68	BU-25C
General Purpose Clip	2-7/16 (61.91)	17/32 (13.49)	11/16 (17.46)	—	3/16 (4.76)	5/8 (16)	20	Steel	Crimp/6-32 Screw	314-1006-ND	.95	BU-27
General Purpose Clip	2-7/16 (61.91)	17/32 (13.49)	11/16 (17.46)	—	3/16 (4.76)	5/8 (16)	40	Copper	Crimp/6-32 Screw	314-1007-ND	1.44	BU-27C
Pee-Wee Clip	1-17/32 (38.89)	1/4 (6.35)	15/32 (11.91)	—	9/64 (3.57)	5/16 (7.9)	5	Steel	Crimp/6-40 Screw	314-1021-ND	.65	BU-45
Pee-Wee Clip	1-17/32 (38.89)	1/4 (6.35)	15/32 (11.91)	—	9/64 (3.57)	5/16 (7.9)	10	Copper	Crimp/6-40 Screw	314-1022-ND	1.11	BU-45C
Automotive Analyzer Clip	2 (50.80)	3/8 (9.52)	5/8 (15.88)	—	3/16 (4.76)	1/2 (12.7)	10	Steel	Crimp/6-32 Screw	314-1029-ND	.93	BU-48B
Automotive Analyzer Clip	2 (50.80)	3/8 (9.52)	5/8 (15.88)	—	3/16 (4.76)	1/2 (12.7)	20	Copper	Crimp/6-32 Screw	314-1030-ND	1.18	BU-48C
Miniature Plier-Type Clip, Black	2-7/8 (98.42)	—	2 (50.80)	—	9/32 (7.15)	1-1/8 (28.6)	50	Steel	Crimp/Solder	314-1023-ND	1.19	BU-46A-0
Miniature Plier-Type Clip, Red	2-7/8 (98.42)	—	2 (50.80)	—	9/32 (7.15)	1-1/8 (28.6)	50	Steel	Crimp/Solder	314-1024-ND	1.19	BU-46A-2
Miniature Plier-Type Clip, Black	2-7/8 (98.42)	—	2 (50.80)	—	9/32 (7.15)	1-1/8 (28.6)	75	Copper	Crimp/Solder	314-1025-ND	2.08	BU-46C-0
Miniature Plier-Type Clip, Red	2-7/8 (98.42)	—	2 (50.80)	—	9/32 (7.15)	1-1/8 (28.6)	75	Copper	Crimp/Solder	314-1026-ND	2.08	BU-46C-2

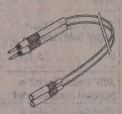
Insulators

Description	Color	Use with Series	Digi-Key Part No.	Price Each	Mueller Part No.
Protective Vinyl Insulator	Black	BU-24APN/	314-1004-ND	1.16	BU-26-0
	Red	25/25C	314-1005-ND	1.16	BU-26-2
Flexible Vinyl Insulator	Black	BU-27/27C	314-1008-ND	.76	BU-29-0
	Red		314-1009-ND	.76	BU-29-2
Tough, Flexible Vinyl Insulator	Black	BU-30BL	314-1013-ND	.26	BU-31-0
	Red		314-1014-ND	.26	BU-31-2
Skin-tight, Flexible Vinyl Insulator	Black	BU-30/30C	314-1015-ND	.26	BU-32-0
	Red		314-1016-ND	.26	BU-32-2

Description	Color	Use with Series	Digi-Key Part No.	Price Each	Mueller Part No.
Skin-tight, Flexible Vinyl Insulator	Black	BU-34/34C	314-1019-ND	.26	BU-36-0
	Red		314-1020-ND	.26	BU-36-2
Durable, Flexible Vinyl Insulator	Black	9U-45/45C	314-1027-ND	.34	BU-47-0
	Red		314-1028-ND	.34	BU-47-2
Durable, Flexible Vinyl Insulator	Black	BU-48B/48C	314-1031-ND	.69	BU-49-0
	Red		314-1032-ND	.69	BU-49-2
Tough, Flexible Vinyl Insulator	Black	BU-60/60CS/	314-1037-ND	.29	BU-62-0
	Red	60/S/60X	314-1038-ND	.29	BU-62-2
Tough, Flexible Vinyl Insulator	Black	BU-85/85C	314-1041-ND	.47	BU-87-0
	Red		314-1042-ND	.47	BU-87-2

Test Lead and Prod Kits

All kits feature Mueller's IEC 1010 Compliant test leads and accessories.



400001 - General Purpose Kit: Includes: • Insulated test lead prod-to-banana, 1 red, 1 black (1000V) • Insulated hunger-hook, 1 red, 1 black (1000V) • Insulated banana jack to standard banana plug, 1 red, 1 black (1000V)* • Mueller's most popular threaded alligator clip with insulators, 1 red, 1 black*

Part number 110006 include one pair of multiple feature test prods and the following accessories: Insulator, Tip Extender, Threaded Alligator, Threaded Spade Lug and Threaded Plunger.

Description	Digi-Key Part No.	Price Each	Mueller Part No.
Test Leads and Kits			
General Purpose Kit with heavy-duty clear vinyl pouch	314-1043-ND	27.96	400001
Shrouded Banana Plug Pair of Leads	314-1054-ND	8.45	110007
Shrouded Banana Plug Kit	314-1053-ND	11.58	110006

* IEC 1010 standard and Ⓤ does not apply

CUI INC

Alligator Clips

Fig. 1

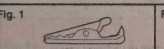


Fig. 2

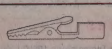


Fig. 3 – Large w/ Screw Connector

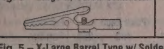


Fig. 4 – Small w/ Solder Connector

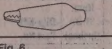


Fig. 5 – X-Large Barrel Type w/ Solder Connector

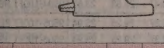
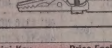


Fig. 6

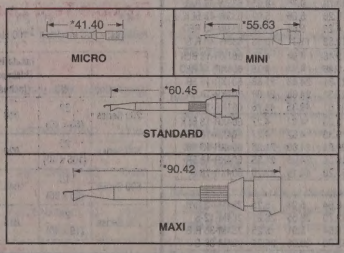


g.	Description	Color	Size	Digi-Key Part No.	Price Each 1	10	100
1	Without Cover	—	27mm	CP-2400-ND	.36	.30	.23
1	Without Cover	—	35mm	CP-2401-ND	.36	.30	.23
1	Without Cover	—	44mm	CP-2402-ND	.36	.30	.23
2	Without Cover	—	50mm	CP-2403-ND	.40	.33	.25
3	With Wire Terminals	—	50mm	CP-2404-ND	.44	.36	.28
1	With Screw	—	44mm	CP-2405-ND	.44	.36	.28
4	With Cover	Black	27mm	CP-2406-ND	.44	.36	.28
4	With Cover	Red	27mm	CP-2407-ND	.44	.36	.28
5	With Cover	Black	35mm	CP-2408-ND	.44	.36	.28
	With Cover	Red	35mm	CP-2409-ND	.44	.36	.28
	With Cover	Black	44mm	CP-2410-ND	.52	.43	.33
	With Cover	Red	44mm	CP-2411-ND	.52	.43	.33
	With Screw & Cover	Black	44mm	CP-2412-ND	.60	.49	.38
	With Screw & Cover	Red	44mm	CP-2413-ND	.60	.49	.38
6	With Handle	Black	50mm	CP-2414-ND	.52	.43	.33
		Red		CP-2415-ND	.52	.43	.33

3M Electronic Specialty Products

Probe-It

Specifications: Contact: Phosphor bronze, Solder Type Termination. **Body:** Nylon. 3M new series of Probe-It™ plunger-actuated clips make test connections to individual component leads faster and easier. Simply press cap to extend the hook contact, place on component lead or wire under test, and release for hands-free troubleshooting and circuit testing. When removed from the lead the hook contact retracts into the plastic tip to minimize the possibility of shorting components. **Suggested Wire:** 26AWG (7-Strand, Tinned copper wire.

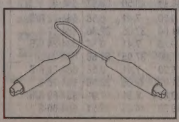


Description	Color	Digi-Key Part No.	Price / Pkg.
Micro Probe-It*	Red	923830-RD-ND	8.04
	Black	923830-BK-ND	8.04
	Blue	923830-BU-ND	8.04
	Green	923830-GN-ND	8.04
	Yellow	923830-YL-ND	8.04
	White	923830-WT-ND	8.04
Mini Probe-It*	Red	923835-RD-ND	7.76
	Black	923835-BK-ND	7.76
	Green	923835-GN-ND	7.76
	Yellow	923835-YL-ND	7.76
	White	923835-WT-ND	7.76
Standard Probe-It*	Red	923840-RD-ND	13.00
	Black	923840-BK-ND	13.00
Maxi Probe-It*	Red	923845-RD-ND	9.30
	Black	923845-BK-ND	13.00
Micro Probe-It Assort. †	1 of each	923848-ND	13.67
Mini Probe-It Assort. †	1 of each	923850-ND	14.17

* 2 per package † 6 per package

GC ELECTRONICS

Jumper Wire Test Leads



Handy test leads with insulated alligator clips attached to each end. Each package contains black, red, white, green and yellow jumpers.

Description	Digi-Key Part No.	Price
Standard Test Leads, 2 Each, 15" (38.10cm) long 27 AWG wires (10 Pkg.)	GC396-ND	6.44
Heavy Duty Test Leads, 1 Each, 22" (55.88cm) long 21 AWG wires (5 Pkg.)	GC397-ND	6.91

E-Z-HOOK Electronic Test Accessories

Test Leads

Tinned copper with flexible PVC insulation. Dim: Inches

(Set/10: 1 each of: Brown, Black, Red, Orange, Yellow, Green, Blue, Violet, Gray, White) (Set/2: 1 each of: Black and Red) (Set/5R: 1 each of: Red, Blue, White, Purple, Gray) (Set/5B: 1 each of : Black, Brown, Green, Yellow, Orange)

Fig. 1 – Pico-Hook

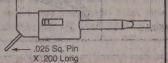


Fig. 2 – Micro-Hook

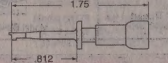


Fig. 3 – Mini-Hook

X100W and XR

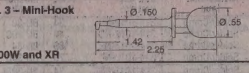


Fig. 4 – Mini-Alligator

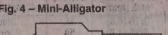


Fig. 5 – Standard Alligator

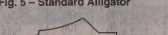


Fig.	Description	AWG	Color	Length (Inches)	Digi-Key Part No.	Price Each 1	100	250	E-Z-Hook Part No.
	Hook Test Leads								
1	E-Z Pico-Hook to Pico-Hook	28 (19 x 40)	Black	12	461-1042-ND	5.00	4.52	4.01	P704-12 BLK
			Red	12	461-1043-ND	5.00	4.52	4.01	P704-12 RED
	Pico-Hook to .025" Square Socket	28 (19 x 40)	Set/2	12	461-1165-ND	8.60	7.77	6.89	P703-12 R/B
			Set/10	12	461-1166-ND	42.99	38.85	34.45	P703-12-S
	Pico-Hook to Lead Only	28 (19 x 40)	Set/2	12	461-1167-ND	6.11	5.52	4.90	P713-12 R/B
			Set/10	12	461-1168-ND	30.54	27.60	24.48	P713-12-S
2	Micro-Hook to Micro-Hook	22 (65 x 40)	Black	12	461-1036-ND	4.30	3.89	3.45	204XM-12 BLK
			Red	12	461-1037-ND	4.30	3.89	3.45	204XM-12 RED
			Set/10	12	461-1038-ND	42.99	38.85	34.45	204XM-12-S
			Black	24	461-1039-ND	4.30	3.89	3.45	204XM-24 BLK
			Red	24	461-1040-ND	4.30	3.89	3.45	204XM-24 RED
			Set/10	24	461-1041-ND	42.99	38.85	34.45	204XM-24-S
	Micro-Hook to Std. Banana Plug	22 (65 x 40)	Black	18	461-1044-ND	3.95	3.57	3.17	BXM-18 BLK
			Red	18	461-1045-ND	3.95	3.57	3.17	BXM-18 RED
			Set/2	18	461-1046-ND	7.90	7.14	6.34	BXM-18 R/B
			Set/10	18	461-1149-ND	39.51	35.70	31.66	BXM-18-S
			Black	36	461-1047-ND	3.95	3.57	3.17	BXM-BLK
			Red	36	461-1048-ND	3.95	3.57	3.17	BXM-RED
			Set/2	36	461-1049-ND	7.90	7.14	6.34	BXM-R/B
			Set/10	36	461-1150-ND	39.51	35.70	31.66	BXM-S
	Mini-Hook to Mini-Hook	22 (65 x 40)	Black	12	461-1030-ND	4.03	3.65	3.24	204-12W BLK
			Red	12	461-1031-ND	4.03	3.65	3.24	204-12W RED
			Set/10	12	461-1032-ND	40.34	36.45	32.32	204-12W-S
			Black	24	461-1033-ND	4.03	3.65	3.24	204-24W BLK
			Red	24	461-1034-ND	4.03	3.65	3.24	204-24W RED
			Set/10	24	461-1035-ND	40.34	36.45	32.32	204-24W-S
			Black	36	461-1147-ND	4.03	3.65	3.24	204-36W BLK
			Red	36	461-1146-ND	4.03	3.65	3.24	204-36W RED
			Set/10	36	461-1148-ND	40.34	36.45	32.32	204-36W-S
3	Mini-Hook to Std. Banana Plug	22 (65 x 40)	Black	18	461-1050-ND	3.87	3.50	3.10	BX1W-18 BLK
			Red	18	461-1051-ND	3.87	3.50	3.10	BX1W-18 RED
			Set/2	18	461-1052-ND	7.74	6.99	6.20	BX1W-18 R/B
			Set/10	18	461-1151-ND	38.18	34.50	30.59	BX1W-18-S
			Black	36	461-1053-ND	3.87	3.50	3.10	BX1W-BLK
			Red	36	461-1054-ND	3.87	3.50	3.10	BX1W-RED
			Set/2	36	461-1055-ND	7.74	6.99	6.20	BX1W-R/B
			Set/10	36	461-1152-ND	38.18	34.50	30.59	BX1W-S
	Mini-Hook to Stacking Banana Plug	18 (65 x 36)	Black	18	461-1056-ND	5.33	4.82	4.27	601W-18 BLK
			Red	18	461-1057-ND	5.33	4.82	4.27	601W-18 RED
			Set/2	18	461-1058-ND	10.66	9.63	8.54	601W-18 R/B
			Set/10	18	461-1153-ND	53.12	48.00	42.56	601W-18-S
			Black	36	461-1059-ND	5.33	4.82	4.27	601W-36 BLK
			Red	36	461-1060-ND	5.33	4.82	4.27	601W-36 RED
			Set/2	36	461-1061-ND	10.66	9.63	8.54	601W-36 R/B
			Set/10	36	461-1154-ND	53.12	48.00	42.56	601W-S
	Mini-Hook to Shrouded Right Angle Standard Banana Plug	18 (65 x 36)	Black	36	461-1062-ND	5.40	4.88	4.33	633W-36 BLK
			Red	36	461-1063-ND	5.40	4.88	4.33	633W-36 RED
			Set/2	36	461-1064-ND	10.79	9.75	8.65	633W-36 R/B
			Black	48	461-1065-ND	6.26	5.66	5.02	633W-48 BLK
			Red	48	461-1066-ND	6.26	5.66	5.02	633W-48 RED
			Set/2	48	461-1067-ND	12.52	11.31	10.03	633W-48 R/B
	XR Heavy Duty Mini-Hook to Stacking Banana Plug	18 (65 x 36)	Black	18	461-1156-ND	5.46	4.94	4.38	601XR-18 BLK
			Red	18	461-1155-ND	5.46	4.94	4.38	601XR-18 RED
			Set/5B	18	461-1157-ND	27.31	24.68	21.88	601XR-18 5B
			Set/5R	18	461-1158-ND	27.31	24.68	21.88	601XR-18 5R
			Set/10	18	461-1159-ND	54.61	49.35	43.76	601XR-18-S
	XR Heavy Duty Mini-Hook to XR Mini-Hook	18 (65 x 36)	Black	18	461-1161-ND	5.33	4.82	4.27	604XR-18 BLK
			Red	18	461-1160-ND	5.33	4.82	4.27	604XR-18 RED
			Set/5B	18	461-1162-ND	26.64	24.08	21.35	604XR-18 5B
			Set/5R	18	461-1163-ND	26.64	24.08	21.35	604XR-18 5R
			Set/10	18	461-1164-ND	53.29	48.15	42.70	604XR-18-S
	Alligator Clip Test Leads								
4	Mini-Alligator Clip to Mini-Alligator Clip Jumper	22 (65 x 40)	Set/2	12	461-1169-ND	6.54	5.91	5.25	284M-12 R/B
			Set/10	12	461-1170-ND	32.70	29.55	26.21	284M-12-S
			Set/2	36	461-1171-ND	6.54	5.91	5.25	284M-36 R/B
			Set/10	36	461-1172-ND	32.70	29.55	26.21	284M-36-S
	Std. Alligator Clip to Stacking Banana Clip	18 (65 x 36)	Set/2	36	461-1173-ND	9.69	8.76	7.77	681 R/B
			Set/10	36	461-1174-ND	48.14	43.50	38.57	681-S
5	Std. Alligator Clip to Std. Alligator Jumper	18 (65 x 36)	Set/2	12	461-1175-ND	8.20	7.41	6.58	684-12 R/B
			Set/10	12	461-1176-ND	41.00	37.05	32.86	684-12-S
			Set/2	24	461-1177-ND	8.20	7.41	6.58	684-24 R/B
			Set/10	24	461-1178-ND	41.00	37.05	32.86	684-24-S
			Set/2	36	461-1179-ND	8.20	7.41	6.58	684-36 R/B
			Set/10	36	461-1180-ND	41.00	37.05	32.86	684-36-S
			Set/2	60	461-1181-ND	9.86	8.91	7.91	684-60 R/B
			Set/10	60	461-1182-ND	49.30	44.55	39.51	684-60-S

Patch Cords

Tinned copper with flexible PVC insulation.

(Set/10: 1 each of: Brown, Black, Red, Orange, Yellow, Green, Blue, Violet, Gray, White)

Description	AWG	Color	Length (Inches)	Digi-Key Part No.	Price Each 1	100	250	E-Z-Hook Part No.
Standard Banana Plug to Standard Banana Plug	22 (65 x 40)	Black	18	461-1068-ND	3.59	3.24	2.88	9105-18 BLK
		Red	18	461-1069-ND	3.59	3.24	2.88	9105-18 RED
		Black	36	461-1070-ND	3.59	3.24	2.88	9105-36 BLK
		Red	36	461-1071-ND	3.59	3.24	2.88	9105-36 RED
Stacking Banana Plug with Heavy Wire to Stacking Banana Plug	18 (65 x 36)	Black	8	461-1123-ND	5.94	5.37	4.77	9111-8 BLK
		Red	8	461-1122-ND	5.94	5.37	4.77	9111-8 RED
		Set/10	8	461-1124-ND	58.10	52.50	46.55	9111-8-S
		Black	12	461-1126-ND	5.94	5.37	4.77	9111-12 BLK
		Red	12	461-1125-ND	5.94	5.37	4.77	9111-12 RED
		Set/10	12	461-1127-ND	58.10	52.50	46.55	9111-12-S
		Black	18	461-1072-ND	6.03	5.45	4.83	9111-18 BLK
		Red	18	461-1073-ND	6.03	5.45	4.83	9111-18 RED
		Black	24	461-1129-ND	6.03	5.45	4.83	9111-24 BLK
		Red	24	461-1128-ND	6.03	5.45	4.83	9111-24 RED
		Set/10	24	461-1130-ND	59.76	54.00	47.88	9111-24-S
		Black	36	461-1074-ND	6.03	5.45	4.83	9111-36 BLK
		Red	36	461-1075-ND	6.03	5.45	4.83	9111-36 RED
		Set/10	36	461-1131-ND	59.76	54.00	47.88	9111-36-S
		Black	48	461-1133-ND	6.44	5.82	5.17	9111-48 BLK
		Red	48	461-1132-ND	6.44	5.82	5.17	9111-48 RED
		Set/10	48	461-1134-ND	63.08	57.00	50.54	9111-48-S
		Black	60	461-1136-ND	6.44	5.82	5.17	9111-60 BLK
		Red	60	461-1135-ND	6.44	5.82	5.17	9111-60 RED
		Set/10	60	461-1137-ND	63.08	57.00	50.54	9111-60-S
		Black	72	461-1139-ND	6.64	6.00	5.32	9111-72 BLK
		Red	72	461-1138-ND	6.64	6.00	5.32	9111-72 RED
		Set/10	72	461-1140-ND	65.57	59.25	52.54	9111-72-S
.030" Diameter Socket to .030" Diameter Socket	22 (65 x 40)	Black	12	461-1076-ND	4.00	3.62	3.21	9860-12 BLK
		Red	12	461-1077-ND	4.00	3.62	3.21	9860-12 RED
		Black	24	461-1078-ND	4.00	3.62	3.21	9860-24 BLK
		Red	24	461-1079-ND	4.00	3.62	3.21	9860-24 RED
.030" Diameter Socket to Standard Banana Plug	22 (65 x 40)	Black	24	461-1080-ND	3.74	3.38	3.00	9861-24 BLK
		Red	24	461-1081-ND	3.74	3.38	3.00	9861-24 RED
		Black	24	461-1084-ND	4.22	3.81	3.38	9863-24 BLK
		Red	24	461-1085-ND	4.22	3.81	3.38	9863-24 RED
.030" Diameter Socket to Mini Alligator Clip	22 (65 x 40)	Black	24	461-1086-ND	3.69	3.33	2.96	9864-24 BLK
		Red	24	461-1087-ND	3.69	3.33	2.96	864-24 RED
.030" Diameter Socket to Stacking Banana Plug	22 (65 x 40)	Black	24	461-1090-ND	4.80	4.34	3.85	9867-24 BLK
		Red	24	461-1091-ND	4.80	4.34	3.85	9867-24 RED
.030" Diameter Socket to Standard Alligator Clip	22 (65 x 40)	Black	24	461-1092-ND	3.88	3.51	3.12	9868-24 BLK
		Red	24	461-1093-ND	3.88	3.51	3.12	9868-24 RED
.025" to .025" Square Socket Gold Plated	22 (65 x 40)	Black	12	461-1094-ND	3.37	3.05	2.70	9110-12 BLK
		Red	12	461-1095-ND	3.37	3.05	2.70	9110-12 RED
		Set/10	12	461-1141-ND	33.20	30.00	26.60	9110-12-S
		Black	24	461-1096-ND	3.37	3.05	2.70	9110-24 BLK
		Red	24	461-1097-ND	3.37	3.05	2.70	9110-24 RED
		Set/10	24	461-1142-ND	33.20	30.00	26.60	9110-24-S
.025" Square Socket to Standard Banana Socket	22 (65 x 40)	Black	24	461-1098-ND	3.83	3.47	3.08	9163-24 BLK
		Red	24	461-1099-ND	3.83	3.47	3.08	9163-24 RED
.025" Square Socket to Standard Banana Plug	22 (65 x 40)	Black	24	461-1100-ND	3.59	3.24	2.88	9166-24 BLK
		Red	24	461-1101-ND	3.59	3.24	2.88	9166-24 RED
.025" Square Socket to .060" Pin Plug	22 (65 x 40)	Black	24	461-1102-ND	3.45	3.12	2.77	9167-24 BLK
		Red	24	461-1103-ND	3.45	3.12	2.77	9167-24 RED
.025" Square Socket to Stacking Banana Plug	22 (65 x 40)	Black	24	461-1104-ND	3.75	3.39	3.01	9169-24 BLK
		Red	24	461-1105-ND	3.75	3.39	3.01	9169-24 RED
.025" Square Socket to Standard Alligator Clip	22 (65 x 40)	Black	24	461-1108-ND	3.37	3.05	2.70	9172-24 BLK
		Red	24	461-1109-ND	3.37	3.05	2.70	9172-24 RED
.025" Square Socket to Mini Alligator Clip	22 (65 x 40)	Black	24	461-1110-ND	3.37	3.05	2.70	9173-24 BLK
		Red	24	461-1111-ND	3.37	3.05	2.70	9173-24 RED

Flexible Test Lead Wires

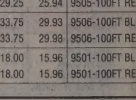
Features: • PVC Insulated • 100 Feet Length • Temperature: 105°C (200 Series: 60°C UL) • Tinned copper

Description	AWG	Insulation Thickness (Inches)	WV DC	Nom. O.D. (Inches)	Digi-Key Part No.	Price Each 1	100	250	E-Z-Hook Part No.
200 Series	22 (65 x 40)	.018	1000 (300UL)	.070	461-1114-ND	29.47	26.63	23.61	9504-100FT BL
					461-1115-ND	29.47	26.63	23.61	9504-100FT RE
500 Series	20 (105 x 40)	.020	1000	.080	461-1116-ND	32.37	29.25	25.94	9505-100FT BL
					461-1117-ND	32.37	29.25	25.94	9505-100FT RE
600 Series	18 (65 x 36)	.045	5000	.144	461-1118-ND	37.35	33.75	29.93	9506-100FT BL
					461-1119-ND	37.35	33.75	29.93	9506-100FT RE
700 Series	28 (19 x 40)	.015	600	.047	461-1112-ND	19.92	18.00	15.96	9501-100FT BL
					461-1113-ND	19.92	18.00	15.96	9501-100FT RE

Test Cable Wall Brackets

Features: • Material: Steel • Finish: Blue Powder Coat

13 Slot Bracket



Description	Digi-Key Part No.	Price Each 1	10	50	E-Z-Hook Part No.
6 Slot Bracket	461-1120-ND	7.89	7.13	6.32	WB6
13 Slot Bracket	461-1121-ND	10.79	9.75	8.65	WB14

Dim: Inch

K

Digi-Key® Capacitor Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Panasonic Miniature Aluminum Electrolytic		
KG Series - 10 each of 18 popular values (180 total pieces)	P900-KIT-ND	34.95
Panasonic Miniature Radial Lead Electrolytic		
M-Series - 10 each of 17 popular values (170 total pieces)	M-KIT-ND	69.95
NHG-Series - 10 each of 18 popular value (180 total pieces)	NHG-KIT-ND	69.95
Panasonic Miniature Radial Lead Electrolytic		
KA-Series - 10 each of 18 popular values (160 total pieces)	P835-KIT-ND	29.95
Panasonic Stacked Metal Film		
V-Series, 50 Volt - 10 each of 18 popular values (180 total pieces)	P4542-KIT-ND	49.95
V-Series, 100 Volt - 10 each of 18 popular values (180 total pieces)	P4700-KIT-ND	49.95
Panasonic Metal Film (Interference Suppressors)		
X-Y Series - 10 each of 10 popular values (100 total pieces)	P465D-KIT-ND	59.95
Panasonic Metallized Polyester		
E-Series - 10 each of 14 popular values and 30 pieces of #E2104 (170 total pieces)	E-KIT-ND	59.95
Panasonic Polyester		
B-Series - Various quantities of 12 popular values (300 total pieces)	P4550-KIT-ND	29.95
Panasonic Polyester Foil		
M-Series, 200 Volt - 10 each of 15 popular values (150 total pieces)	M200-KIT-ND	29.95
M-Series, 400 Volt - 10 each of 15 popular values (150 total pieces)	M400-KIT-ND	29.95
Panasonic Polypropylene		
P-Series - 10 each of 15 popular values (150 total pieces)	P3100-KIT-ND	69.95
Panasonic 0402 Chip Ceramic		
NPO Series - 10 each of 28 popular values (280 total pieces)	PCC13-KIT-ND	49.95
X7R Series - 10 each of 30 popular values (300 total pieces)	PCC14-KIT-ND	45.95
Panasonic 0603 Chip Ceramic		
NPO Series -10 each of 30 popular values (300 total pieces)	PCC9-KIT-ND	29.95
X7R and X5R Series - 10 each of 30 popular values (300 total pieces)	PCC15-KIT-ND	29.95
Panasonic 0805 Chip Ceramic		
NPO Series - 10 each of 30 popular values (300 total pieces)	PCC7-KIT-ND	29.95
X7R Series - 10 each of 30 popular values (300 total pieces)	PCC16-KIT-ND	29.95
Panasonic 1206 Chip Ceramic		
NPO Series - 10 each of 14 popular values (140 total pieces)	PCC17-KIT-ND	89.95
Panasonic Multilayer Ceramic Chip (MLCC) Capacitor		
X5R Series - 20 each of 20 popular values (400 total pieces) ***RoHS Compliant***	PCC18B-KIT-ND	49.95
Panasonic 0201/0402 High-Q (MLCC) Chip Ceramic		
0201/High-Q Series - 20 each of 21 popular values (420 total pieces)	PCC19-KIT-ND	59.00
0402/High-Q Series - 20 each of 30 popular values (600 total pieces)	PCC20-KIT-ND	59.00

Digi-Key® Serial EEPROM Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Microchip Serial EEPROM Kits		
Low-Density — 3 pieces each of parts 24AA01-I/PDK, 25AA040-I/P and 93AA46B-I/P (9 total pieces)	SEEPROM1-KIT-ND	17.95
Mid-Density — 3 pieces each of parts 24AA16-I/P, 25AA080B-I/P and 93AA66C-I/P (9 total pieces)	SEEPROM2-KIT-ND	17.95
High-Density — 3 pieces each of parts 24AA512-I/P, 25AA640-I/P and 93AA86C-I/P (9 total pieces)	SEEPROM3-KIT-ND	19.95
Combo Kit — Contains everything in the Low-Density, Mid-Density and High-Density Kits (27 total pieces)	SEEPROM4-KIT-ND	29.95

Digi-Key® Fuse Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Littelfuse 467 Series 0603 Lead Free Fast Acting Fuses		
10 each of 14 fuses (140 total pieces)	467-KIT-ND	99.95
Littelfuse 466 Series 1206 Lead Free Fast Acting Fuses		
10 each 15 fuses (150 total pieces)	466-KIT-ND	89.95
Littelfuse 154 Series Nano² SMT Fast/Slo-Blo® Fuses		
5 each 18 fuses (90 total pieces)	154-KIT-ND	149.95
Littelfuse 251L/473L Series PICO II Fast/Slo-Blo® Axial Fuses		
5 each 18 fuses (90 total pieces) ***RoHS Compliant***	251L+473L-KIT-ND	99.96
Littelfuse 216P Series Fast Acting Hi-Breaking 5x20mm Fuses		
5 each 18 fuses (90 total pieces) ***RoHS Compliant***	216P-KIT-ND	159.97
Littelfuse 217P Series Fuse Fast Acting		
5 each of 18 fuses (90 total pieces) ***RoHS Compliant***	217P-KIT-ND	39.95
Littelfuse 218P Series Fuse Slo-Blo®		
5 each of 18 fuses (90 total pieces) ***RoHS Compliant***	218P-KIT-ND	89.95
Littelfuse 257/297 Series Mini and ATO Blade Fuses		
5 each 18 fuses (90 total pieces)	257-297-KIT-ND	33.95
Littelfuse 312P Series Fast Acting 3AG Fuses		
5 each 28 fuses and 10 each 2 fuse clips (160 total pieces) ***RoHS Compliant***	312P-KIT-ND	109.96
Littelfuse 313P Series Slo-Blo® 3AG Cartridge		
5 each 34 fuses and 10 each 2 fuse clips (190 total pieces) ***RoHS Compliant***	313P-KIT-ND	89.95
Wickman Fuses		
10 each of 17 popular fuses and 15 of TR5 Fuseholder (185 total pieces)	WK0113-KIT-ND	74.95
10 each of 17 popular fuses and 15 of TR5 Fuseholder (185 total pieces)	WK0116-KIT-ND	79.95
10 each of 17 popular fuses and 20 of TE5 Fuseholder (190 total pieces)	WK0117-KIT-ND	79.95

Digi-Key® Inductor Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Panasonic SMT Inductors		
ND Type - 10 each of 25 inductors (***PCD1185CT-ND not included***) (250 total pcs.)	PCD2-KIT-ND	99.95
RF Type - 10 each of 20 inductors (200 total pieces)	PCD3-KIT-ND	69.95
AVX Thin Film Inductors		
20 each of 12 inductors (240 total pieces)	478-2948-ND	166.25

Digi-Key® Potentiometer Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Bourns 3/8" (9.52mm) Square 25-Turn		
3296P Series - 5 each of 15 values (75 total pieces)	3296P-KIT-ND	139.00
3296W Series - 5 each of 15 values (75 total pieces)	3296W-KIT-ND	139.00
3296X Series - 5 each of 15 values (75 total pieces)	3296X-KIT-ND	139.00
3296Z Series - 5 each of 15 values (75 total pieces)	3296Z-KIT-ND	139.00
Bourns 1/4" (6.35mm) Square Cermet 12-Turn		
3266W Series - 5 each of 17 values (85 total pieces)	3266W-KIT-ND	199.00
3266X Series - 5 each of 17 values (85 total pieces)	3266X-KIT-ND	199.00
Bourns 1/4" (6.35mm) Square Cermet Single-Turn		
3362U Series - 10 each of 14 popular values (140 total pieces)	3362U-KIT-ND	89.95
3362X Series - 10 each of 14 popular values (140 total pieces)	3362X-KIT-ND	89.95
Bourns 1/4" (6.35mm) Round Cermet Single-Turn		
3329H Series - 5 each of 14 popular values (70 total pieces)	3329H-KIT-ND	129.95
3329S Series - 5 each of 14 popular values (70 total pieces)	3329S-KIT-ND	129.95
3329W Series - 5 each of 14 popular values (70 total pieces)	3329W-KIT-ND	129.95
3329X Series - 5 each of 14 popular values (70 total pieces)	3329X-KIT-ND	129.95
Bourns 5/16" (7.95mm) Round Cermet 4-Turn		
3339P Series - 5 each of 14 popular values (70 total pieces)	3339P-KIT-ND	269.00
3339W Series - 5 each of 14 popular values (70 total pieces)	3339W-KIT-ND	269.00
Bourns 3/8" (9.52mm) Round Cermet Single-Turn		
3352E Series - 5 each of 15 popular values (75 total pieces)	3352E-KIT-ND	49.95
3352H Series - 5 each of 15 popular values (75 total pieces)	3352H-KIT-ND	49.95
3352P Series - 5 each of 15 popular values (75 total pieces)	3352P-KIT-ND	49.95
3352W Series - 5 each of 15 popular values (75 total pieces)	3352W-KIT-ND	49.95
Bourns 1/2" (12.70mm) Round Wirewound Single-Turn		
5 each of 9 popular values (45 total pieces)	3345P-KIT-ND	199.95

(Continued)

Digi-Key® Potentiometer Kits (Cont.)

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Bourns SMD 4mm Square Cermet Single-Turn Open Frame		
5 each of 11 popular values (55 total pieces)	3364W-KIT-ND	35.95
CTS 1/4 Watt Carbon Linear Taper		
270 Series, With Switch - 5 each of 8 values (40 total pieces)	270-A-KIT-ND	109.95
270 Series, Without Switch - 5 each of 8 values (40 total pieces)	270-B-KIT-ND	89.95
CTS 1/4 Watt Carbon Logarithmic Taper		
270 Series, With Switch - 5 each of 8 values (40 total pieces)	270-C-KIT-ND	109.95
270 Series, Without Switch - 5 each of 8 values (40 total pieces)	270-D-KIT-ND	89.95
CTS 1/8 Watt Carbon		
296 Series, Top Adjust - 5 each of 11 values (55 total pieces)	296U-KIT-ND	59.95
296 Series, Side Adjust - 5 each of 11 values (55 total pieces)	296X-KIT-ND	59.95
CTS 5 Watt Wirewound		
026 Series - 5 each of 7 values (35 total pieces)	26-KIT-ND	99.95
CTS 1/4 Watt Trimmer		
201 Series, Top Adjust - 5 each of 13 values (65 total pieces)	201U-KIT-ND	29.95
201 Series, Side Adjust - 5 each of 13 values (65 total pieces)	201X-KIT-ND	29.95
CTS .15 Watt Trimmer		
262 Series, Top Adjust - 5 each of 11 values (55 total pieces)	U262-KIT-ND	27.95
262 Series, Side Adjust - 5 each of 11 values (55 total pieces)	X262-KIT-ND	27.95
Panasonic 6mm Carbon Trimmer, Laydown and Standup Version		
10 each of 14 popular values (140 pieces)	DXA-KIT-ND	29.95
Panasonic SMT Trimmer		
P1D Series - 10 each of 13 values (130 total pieces)	P1D-KIT-ND	43.95
P1E Series - 10 each of 13 values (130 total pieces)	P1E-KIT-ND	43.95

Digi-Key® Resistor Kits

Conveniently packaged into bags per value.

Description	Digi-Key Part No.	Price Each
Panasonic 0402 1% Chip Resistor Assortments, 1/16 Watt		
50 each of values 10 ohm to 97.6 ohm (4,800 pieces)	RSM1L-ND	189.00
50 each of values 100 ohm to 976 ohm (4,800 pieces)	RSM2L-ND	189.00
50 each of values 1.00K to 9.76K (4,800 pieces)	RSM3L-ND	189.00
50 each of values 10.0K to 97.6K (4,800 pieces)	RSM4L-ND	189.00
50 each of values 100K to 1.00M (4,850 pieces)	RSM5L-ND	189.00
Panasonic 0402 5% Chip Resistor Assortments, 1/16 Watt		
50 each of every other value from 10, 12, 15 etc 1.0M (3,050 pieces)	CR7A-KIT-ND	89.95
200 each of every other value from 10, 12, 15 etc 1.0M (12,200 pieces)	CR7-KIT-ND	169.00
50 each of every other value from 11, 13, 16 etc. 910K (3,000 pieces)	CR8A-KIT-ND	89.95
200 each of every other value from 11, 13, 16 etc. 910K (12,000 pieces)	CR8-KIT-ND	169.00
Panasonic 0603 1% Chip Resistor Assortments, 1/16 Watt		
50 each of values 10 ohm to 97.6 ohm (4,800 pieces)	RSM1H-ND	129.00
50 each of values 100 ohm to 976 ohm (4,800 pieces)	RSM2H-ND	129.00
50 each of values 1.00K to 9.76K (4,800 pieces)	RSM3H-ND	129.00
50 each of values 10.0K to 97.6K (4,800 pieces)	RSM4H-ND	129.00
50 each of values 100K to 1.00M (4,850 pieces)	RSM5H-ND	129.00
Panasonic 0603 5% Chip Resistor Assortments, 1/16 Watt		
50 each of every other value from 10, 12, 15 etc 1.0M (3,050 pieces)	CR5A-KIT-ND	85.95
200 each of every other value from 10, 12, 15 etc 1.0M (12,200 pieces)	CR5-KIT-ND	129.00
50 each of every other value from 11, 13, 16 etc. 910K (3,000 pieces)	CR6A-KIT-ND	85.95
200 each of every other value from 11, 13, 16 etc. 910K (12,000 pieces)	CR6-KIT-ND	129.00
Panasonic 0805 1% Chip Resistor Assortments, 1/10 Watt		
50 each of values 10 ohm to 97.6 ohm (4,800 pieces)	RSM1CA-ND	119.95
200 each of values 10 ohm to 97.6 ohm (19,200 pieces)	RSM1C-ND	299.00
50 each of values 100 ohm to 976 ohm (4,800 pieces)	RSM2CA-ND	119.95
200 each of values 100 ohm to 976 ohm (19,200 pieces)	RSM2C-ND	299.00
50 each of values 1.00K to 9.76K (4,800 pieces)	RSM3CA-ND	119.95
200 each of values 1.00K to 9.76K (19,200 pieces)	RSM3C-ND	299.00
50 each of values 10.0K to 97.6K (4,800 pieces)	RSM4CA-ND	119.95
200 each of values 10.0K to 97.6K (19,200 pieces)	RSM4C-ND	299.00
50 each of values 100K to 1.00M (4,850 pieces)	RSM5CA-ND	119.95
200 each of values 100K to 1.00M (19,400 pieces)	RSM5C-ND	299.00
Panasonic 0805 5% Chip Resistor Assortments, 1/10 Watt		
50 each of every other value from 10, 12, 15 etc. 1.0M (3,050 pieces)	CR3A-KIT-ND	79.95
200 each of every other value from 10, 12, 15 etc. 1.0M (12,200 pieces)	CR3-KIT-ND	129.00
50 each of every other value from 11, 13, 16 etc. 910K (3,000 pieces)	CR4A-KIT-ND	79.95
200 each of every other value from 11, 13, 16 etc. 910K (12,000 pieces)	CR4-KIT-ND	129.00

Description	Digi-Key Part No.	Price Each
Panasonic 1206 1% Chip Resistor Assortments, 1/8 Watt		
50 each of values 10.0 ohm to 97.6 ohm (4,800 pieces)	RSM1FA-ND	129.95
200 each of values 10.0 ohm to 97.6 ohm (19,200 pieces)	RSM1F-ND	299.00
50 each of values 100 ohm to 976 ohm (4,800 pieces)	RSM2FA-ND	129.95
200 each of values 100 ohm to 976 ohm (19,200 pieces)	RSM2F-ND	299.00
50 each of values 1.00K to 9.76K (4,800 pieces)	RSM3FA-ND	119.95
200 each of values 1.00K to 9.76K (19,200 pieces)	RSM3F-ND	299.00
50 each of values 10.0K to 97.6K (4,800 piece s)	RSM4FA-ND	129.95
200 each of values 10.0K to 97.6K (19,200 pieces)	RSM4F-ND	299.00
50 each of values 100K to 1.00M (4,850 pieces)	RSM5FA-ND	129.95
200 each of values 100K to 1.00M (19,400 pieces)	RSM5F-ND	299.00
Panasonic 1206 5% Chip Resistor Assortments, 1/8 Watt		
50 each of every other value from 10, 12, 15 etc. 1.0M (3,050 pieces)	CR1A-KIT-ND	79.95
200 each of every other value from 10, 12, 15 etc. 1.0M (12,200 pieces)	CR1-KIT-ND	129.00
50 each of every other value from 11, 13, 16 etc. 910K (3,000 pieces)	CR2A-KIT-ND	79.95
200 each of every other value from 11, 13, 16 etc. 910K (12,000 pieces)	CR2-KIT-ND	129.00
Susumu 0201 .5% SMD Resistor, 1/20 Watt		
10 each of values 47Ω ~ 8.2KΩ (150 pieces)	RR0306PD-1-KIT-ND	9.95
Susumu 0402 .5% SMD Resistor, 1/16 Watt		
10 each of values 10Ω ~ 82Ω (190 pieces)	RR0510RD-1-KIT-ND	4.95
10 each of values 100Ω ~ 4.3KΩ (400 pieces)	RR0510PD-1-KIT-ND	9.95
10 each of values 4.7KΩ ~ 100KΩ (330 pieces)	RR0510PD-2-KIT-ND	7.95
Susumu 0402 1% SMD Resistor, 1/6 Watt		
10 each of values .10Ω ~ 47Ω (330 pieces)	RP1005SF-1-KIT-ND	59.95
Susumu 0603 .05% SMD Resistor, 1/16 Watt		
10 each of values 47Ω ~ 750Ω (300 pieces)	RG1608NW-1-KIT-ND	175.95
10 each of values 820Ω ~ 13KΩ (300 pieces)	RG1608NW-2-KIT-ND	175.95
10 each of values 15KΩ ~ 270KΩ (310 pieces)	RG1608NW-3-KIT-ND	175.95
Susumu 0603 .1% SMD Resistor, 1/16 Watt		
10 each of values 100Ω ~ 1.0KΩ (500 pieces)	RR0816PB-1-KIT-ND	59.95
10 each of values 1.05KΩ ~ 3.9KΩ (500 pieces)	RR0816PB-2-KIT-ND	59.95
10 each of values 3.92KΩ ~ 15.0KΩ (500 pieces)	RR0816PB-3-KIT-ND	59.95
10 each of values 15.4KΩ ~ 75KΩ (500 pieces)	RR0816PB-4-KIT-ND	59.95
10 each of values 76.8KΩ ~ 332KΩ (370 pieces)	RR0816PB-5-KIT-ND	49.95
Susumu 0603 .5% SMD Resistor, 1/16 Watt		
10 each of values 10Ω ~ 91Ω (440 pieces)	RR0816QD-1-KIT-ND	13.95
10 each of values 100Ω ~ 806Ω (500 pieces)	RR0816PD-1-KIT-ND	15.95
10 each of values 820Ω ~ 4.75KΩ (500 pieces)	RR0816PD-2-KIT-ND	15.95
10 each of values 4.87KΩ ~ 18.0KΩ (500 pieces)	RR0816PD-3-KIT-ND	15.95
10 each of values 18.2KΩ ~ 68.1KΩ (500 pieces)	RR0816PD-4-KIT-ND	15.95
10 each of values 69.8KΩ ~ 360KΩ (390 pieces)	RR0816PD-5-KIT-ND	12.95
Susumu 0603 1% SMD Resistor, 1/5 Watt		
10 each of values .10Ω ~ 68Ω (350 pieces)	RP1608SF-1-KIT-ND	49.95
Susumu 0805 .05% SMD Resistor, 1/10 Watt		
10 ea ch of values 47Ω ~ 910Ω (320 pieces)	RG2012NW-1-KIT-ND	199.95
10 each of values 1.0KΩ ~ 20KΩ (320 pieces)	RG2012NW-2-KIT-ND	199.95
10 each of values 22KΩ ~ 470KΩ (330 pieces)	RG2012NW-3-KIT-ND	199.95
Susumu 0805 .1% SMD Resistor, 1/10 Watt		
10 each of values 100Ω ~ 1.02KΩ (500 pieces)	RR1220PB-1-KIT-ND	59.95
10 each of values 1.05KΩ ~ 4.75KΩ (500 pieces)	RR1220PB-2-KIT-ND	59.95
10 each of values 4.87KΩ ~ 21KΩ (500 pieces)	RR1220PB-3-KIT-ND	59.95
10 each of values 21.5KΩ ~ 83.7KΩ (500 pieces)	RR1220PB-4-KIT-ND	59.95
10 each of values 90.9KΩ ~ 1.0M (370 pieces)	RR1220PB-5-KIT-ND	49.95
Susumu 0805 .5% SMD Resistor, 1/10 Watt		
10 each of values 10Ω ~ 91Ω (390 pieces)	RR1220QD-1-KIT-ND	12.95
10 each of values 100Ω ~ 1.6KΩ (500 pieces)	RR1220PD-1-KIT-ND	15.95
10 each of values 1.65KΩ ~ 5.9KΩ (500 pieces)	RR1220PD-2-KIT-ND	15.95
10 each of values 6.04KΩ ~ 24.3KΩ (500 pieces)	RR1220PD-3-KIT-ND	15.95
10 each of values 24.9KΩ ~ 110KΩ (500 pieces)	RR1220PD-4-KIT-ND	15.95
10 each of values 115KΩ ~ 1.0MΩ (310 pieces)	RR1220PD-5-KIT-ND	9.95
Susumu 0805 1% SMD Resistor, 1/4 Watt		
10 each of values .10Ω ~10.0Ω (500 pieces)	RL1220SF-1-KIT-ND	19.95
Susumu 0805 1% SMD Resistor, 1/3 Watt		
10 each of values 12Ω ~ 100Ω (120 pieces)	RP2012SF-1-KIT-ND	13.95
10 each of values .10Ω ~ 10Ω (250 pieces)	RP2012TF-1-KIT-ND	29.95
Susumu 0805 2% SMD Resistor, 1/4 Watt		
10 each of values .022Ω ~ 10Ω (300 pieces)	RL1220BG-1-KIT-ND	15.95
Yageo 5% Carbon Film, 1/6 Watt		
5 each of values 1.0, 1.2, 1.5, 1.8, 2.2Ω etc. thru 1.0MΩ (365 total pieces)	RS112-ND	16.5
5 each of values 1.1, 1.3, 1.6, 2.0, 2.4Ω etc. thru 910kΩ (360 total pieces)	RS212-ND	16.5
200 each of all 161 standard values 1.0Ω - 4.7MΩ (32,200 total pieces)	RSE200-ND	409.0
Yageo 5% Carbon Film, 1/4 Watt		
5 ea. of values 1.0, 1.2, 1.5, 1.8, 2.2Ω etc. thru 1.0MΩ (365 total pieces)	RS125-ND	14.5
5 ea. of values 1.1, 1.3, 1.6, 2.0, 2.4Ω etc. thru 910kΩ (360 total pieces)	RS225-ND	14.5
200 ea. of all 169 standard values 1.0Ω - 10MΩ (33,800 total pieces)	RSQ200-ND	239.0
Yageo 5% Carbon Film, 1/2 Watt		
5 ea. of values 1.0, 1.2, 1.5, 1.8, 2.2Ω etc. thru 1.0MΩ (365 total pieces)	RS150-ND	16.5
5 ea. of values 1.1, 1.3, 1.6, 2.0, 2.4Ω etc. thru 910kΩ (360 total pieces)	RS250-ND	16.5
200 ea. of all 161 standard values 1.0Ω - 4.7MΩ (32,200 total pieces)	RSH200-ND	335.0
Yageo 1% Metal Film, 1/4 Watt		
5 each of values 10 ohm to 97.6 ohm (480 total pieces)	RS1X-ND	29.2
5 each of values 100 ohm to 976 ohm (480 total pieces)	RS2X-ND	29.2
5 each of values 1.00K to 9.76K (480 total pieces)	RS3X-ND	29.2
5 each of values 10.0K to 97.6K (480 total pieces)	RS4X-ND	29.2
5 each of values 100K to 1.00M (480 total pieces)	RS5X-ND	29.2

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Digi-Key® Resistor Kits (Cont.)

Conveniently packaged into bags per value.

Description	Digi-Key Part No.	Price Each
ageo 5% Metal Oxide, 1 Watt		
5 each of values 0.47 ohm to 56 ohm (255 total pieces)	RS101-ND	26.95
5 each of values 62 ohm to 7.5K (255 total pieces)	RS201-ND	26.95
5 each of values 8.2K to 1.0M (255 total pieces)	RS301-ND	26.95
ageo 5% Metal Oxide, 2 Watt		
5 each of values 0.47 ohm to 56 ohm (255 total pieces)	RS102-ND	29.95
5 each of values 62 ohm to 7.5K (255 total pieces)	RS202-ND	29.95
5 each of values 8.2K to 1.0M (255 total pieces)	RS302-ND	29.95
ageo 5% Wirewound Rectangular, 5 Watt		
5 each of values 0.30 ohm to 0.91 ohm (60 pieces)	RS105-ND	23.95
4 each of values 1.0 ohm to 9.1 ohm (96 pieces)	RS205-ND	32.95
4 each of values 10 ohm to 91 ohm (96 pieces)	RS305-ND	32.95
3 each of values 100 ohm to 2.0K (96 pieces)	RS405-ND	32.95
ageo 5% Wirewound Rectangular, 10 Watt		
2 each of all 10 watt resistor values (168 total pieces)	RS110-ND	72.95
ageo America 0402 1% Thick Film Chip Resistor Assortments, 1/16 Watt		
50 each of values 1.00 ohm to 75.0 ohm (850 total pieces)	PHL1-KIT-ND	20.95
50 each of values 100 ohm to 910 ohm (1,100 pieces)	PHL2-KIT-ND	25.95
50 each of values 1.00K ohm to 9.53K ohm (1,650 pieces)	PHL3-KIT-ND	35.95
50 each of values 10.0K ohm to 97.6K ohm (2,800 pieces)	PHL4-KIT-ND	59.95
50 each of values 100K ohm to 1.00M ohm (1,600 pieces)	PHL5-KIT-ND	39.95
ageo America 0603 1% Thick Film Chip Resistor Assortments, 1/10 Watt		
50 each of values 1.00 ohm to 7.50 ohm (1,100 total pieces)	PHH1-KIT-ND	19.95
50 each of values 10.0 ohm to 97.6 ohm (5,650 total pieces)	PHH2-KIT-ND	79.95
50 each of values 100 ohm to 976 ohm (5,700 total pieces)	PHH3-KIT-ND	79.95
50 each of values 1.00K ohm to 9.76K ohm (5,700 total pieces)	PHH4-KIT-ND	79.95
50 each of values 10.0K ohm to 97.6K ohm (5,700 total pieces)	PHH5-KIT-ND	79.95
50 each of values 100K ohm to 1.00M ohm (5,750 total pieces)	PHH6-KIT-ND	79.95
ageo America 0805 1% Thick Film Chip Resistor Assortments, 1/8 Watt		
50 each of values 1.00 ohm to 9.76 ohm (5,200 total pieces)	PHC1A-KIT-ND	79.95
200 each of values 1.00 ohm to 9.76 ohm (20,800 total pieces)	PHC1-KIT-ND	169.95
50 each of values 10.0 ohm to 97.6 ohm (5,700 total pieces)	PHC2A-KIT-ND	79.95
200 each of values 10.0 ohm to 97.6 ohm (22,800 total pieces)	PHC2-KIT-ND	169.95
50 each of values 100 ohm to 976 ohm (5,700 total pieces)	PHC3A-KIT-ND	79.95
200 each of values 100 ohm to 976 ohm (22,800 total pieces)	PHC3-KIT-ND	169.95
50 each of values 1.00K ohm to 9.76K ohm (5,700 total pieces)	PHC4A-KIT-ND	79.95
200 each of values 1.00K ohm to 9.76K ohm (22,800 total pieces)	PHC4-KIT-ND	169.95
50 each of values 10.0K ohm to 97.6K ohm (5,650 total pieces)	PHC5A-KIT-ND	79.95
200 each of values 10.0K ohm to 97.6K ohm (22,600 total pieces)	PHC5-KIT-ND	169.95
50 each of values 100K ohm to 1.00M ohm (5,750 total pieces)	PHC6A-KIT-ND	79.95
200 each of values 100K ohm to 1.00M ohm (23,000 total pieces)	PHC6-KIT-ND	169.95
ageo America 1206 1% Thick Film Chip Resistor Assortments, 1/4 Watt		
50 each of values 1.00 ohm to 9.76 ohm (5,700 total pieces)	PHF1A-KIT-ND	125.95
200 each of values 1.00 ohm to 9.76 ohm (22,800 total pieces)	PHF1-KIT-ND	239.95
50 each of values 10.0 ohm to 97.6 ohm (5,700 total pieces)	PHF2A-KIT-ND	125.95
200 each of values 10.0 ohm to 97.6 ohm (22,800 total pieces)	PHF2-KIT-ND	239.95
50 each of values 100 ohm to 976 ohm (5,700 total pieces)	PHF3A-KIT-ND	125.95
200 each of values 100 ohm to 976 ohm (22,800 total pieces)	PHF3-KIT-ND	239.95
50 each of values 1.00K ohm to 9.76K ohm (5,700 total pieces)	PHF4A-KIT-ND	125.95
200 each of values 1.00K ohm to 9.76K ohm (22,800 total pieces)	PHF4-KIT-ND	239.95
50 each of values 10.0K ohm to 97.6K ohm (5,650 total pieces)	PHF5A-KIT-ND	125.95
200 each of values 10.0K ohm to 97.6K ohm (22,600 total pieces)	PHF5-KIT-ND	239.95
50 each of values 100K ohm to 1.00M ohm (5,750 total pieces)	PHF6A-KIT-ND	125.95
200 each of values 100K ohm to 1.00M ohm (23,000 total pieces)	PHF6-KIT-ND	239.95
ageo America 0402 5% Thick Film Chip Resistor Assortments, 1/16 Watt		
50 each of values 1.0, 2.0, 3.0, 3.9 ohm etc. to 1.0M ohm (2,600 total pieces)	PHJ1A-KIT-ND	45.95
200 each of values 1.0, 2.0, 3.0, 3.9 ohm etc. to 1.0M ohm (10,400 total pieces)	PHJ1-KIT-ND	85.95
50 each of values 1.1, 2.2, 3.3, 4.3 ohm etc. to 680K ohm (2,550 total pieces)	PHJ2A-KIT-ND	45.95
200 each of values 1.1, 2.2, 3.3, 4.3 ohm etc. to 680K ohm (10,200 pieces)	PHJ2-KIT-ND	85.95
ageo America 0603 5% Thick Film Chip Resistor Assortments, 1/10 Watt		
50 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 910K ohm (3,600 total pieces)	PHG1A-KIT-ND	49.95
200 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 910K ohm (14,400 total pieces)	PHG1-KIT-ND	89.95
50 each of values 1.1, 1.3, 1.6, 2.2 ohm etc. to 1.0M ohm (3,600 total pieces)	PHG2A-KIT-ND	49.95
200 each of values 1.1, 1.3, 1.6, 2.2 ohm etc. to 1.0M ohm (14,400 pieces)	PHG2-KIT-ND	89.95
ageo America 0805 5% Thick Film Chip Resistor Assortments, 1/8 Watt		
50 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 1.0M ohm (3,650 total pieces)	PHA1A-KIT-ND	59.95
200 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 1.0M ohm (14,600 total pieces)	PHA1-KIT-ND	109.95
50 each of values 1.1, 1.3, 1.6, 2.0 ohm etc. to 910K ohm (3,600 total pieces)	PHA2A-KIT-ND	59.95
200 each of values 1.1, 1.3, 1.6, 2.0 ohm etc. to 910K ohm (14,400 pieces)	PHA2-KIT-ND	109.95
ageo America 1206 5% Thick Film Chip Resistor Assortments, 1/4 Watt		
50 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 910K ohm (3,600 total pieces)	PHE1A-KIT-ND	59.95
200 each of values 1.0, 1.2, 1.5, 1.8 ohm etc. to 910K ohm (14,400 total pieces)	PHE1-KIT-ND	109.95
50 each of values 1.1, 1.3, 1.6, 2.0 ohm etc. to 1.0M ohm (3,600 total pieces)	PHE2A-KIT-ND	59.95
200 each of values 1.1, 1.3, 1.6, 2.0 ohm etc. to 1.0M ohm (14,400 pieces)	PHE2-KIT-ND	109.95

Digi-Key® Thermistor Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
Keystone Thermistors		
PTC - 2 each of 6 popular thermistors (12 total pieces)	KCPTC1-KIT-ND	24.18
NTC - 2 each of 15 popular thermistors (30 total pieces)	KCNTC-KIT-ND	39.96

Digi-Key® Miscellaneous Kits

Conveniently packaged in a plastic box with bin guide for easy storage and quick access.

Description	Digi-Key Part No.	Price Each
3M Heatshrink Precut Lengths		
FP-301 Series - 50 each of 5 sizes and 100 of 1 size (350 total pieces)	FP-KIT-ND	15.95
VFP-876 Series - 50 each of 5 sizes and 100 of 1 size (350 total pieces)	VFP-KIT-ND	16.95
3M Colored Heatshrinkable Tubing		
FP-301 Series- 1-5 ft. tubing of each color in 8 series (35 total pieces)	FPC-KIT-ND	62.95
CW Industries Switches		
Various quantities of 14 switches (120 total pieces)	SW-KIT-ND	69.95
Daburn Shrinkable Tubing, Polyolefin: Black		
5 feet of 6 popular sizes (30 total feet of tubing)	STA-KIT-ND	10.95
Diodes SOT-23 SMD Zener Diode Kit		
10 each of 18 popular diodes (180 total pieces)	BZX2-KIT-ND	23.79
ECS, Inc. Crystals		
3 each of 27 popular crystals (81 total pieces)	XC-KIT-ND	169.00
Hamlin Magnetic Switches		
Various quantities of 18 switches (22 total pieces)	HE1-KIT-ND	69.95
1 each of 18 switches (18 total pieces)	HE2-KIT-ND	49.95
Building Fasteners Hardware - 100 each of machine screws, hex nuts and lock washers in each of the following kits:		
Slotted - (1,600 total pieces)	1600-KIT-ND	17.95
Slotted - (1,600 total pieces)	1601-KIT-ND	27.95
Phillips - (1,600 total pieces)	1602-KIT-ND	17.95
Phillips - (1,600 total pieces)	1603-KIT-ND	27.78
Nylon - (1,500 total pieces)	1604-KIT-ND	53.94
Phillips, Stainless Steel - (1,400 total pieces)	1607-KIT-ND	39.95
Phillips, Stainless Steel - (1,500 total pieces)	1608-KIT-ND	79.95
Building Fasteners Hardware (Metric) - 100 each of machine screws, hex nuts, lock washers and flat washers in each of the following kits:		
Metric Phillips, Zinc Plated - (1,500 total pieces)	1605-KIT-ND	59.95
Metric Phillips, Zinc Plated - (1,500 total pieces)	1606-KIT-ND	99.95
Johnson Components Plugs and Jacks		
10 each of 15 popular plugs and jacks (150 total pieces)	J100-KIT-ND	76.95
On-Semiconductor Schottky Rectifier SMD Sample Kit		
227 pieces of 30 popular values	SCHOTTKECA-KIT-ND	149.95
On-Semiconductor Thyristor SCR Design Kit		
84 pieces of 18 popular values	SCRA-KIT-ND	119.95
ST Microelectronics R/R Low Power Operational Amplifiers		
5 each of 16 popular values (80 total pieces)	497-8000-KIT-ND	120.00
ST Microelectronics 74V/74LX SMD IC's		
10 each of 19 popular values (190 total pieces)	497-8001-KIT-ND	40.95
ST Microelectronics Mosfet/Driver		
5 each of 14 popular values (70 total pieces)	497-8003-KIT-ND	100.00
ST Microelectronics Mosfet Thru Hole		
5 each of 9 popular values (45 total pieces)	497-8004-KIT-ND	100.00
ST Microelectronics NPN/PNP Transistor		
5 each of 22 popular values (110 total pieces)	497-8005-KIT-ND	75.00
ST Microelectronics Schottky Diodes		
5 each of 9 popular values (45 total pieces)	497-8006A-KIT-ND	6.95
ST Microelectronics Schottky Diodes		
5 each of 11 popular values (55 total pieces)	497-8006B-KIT-ND	44.95
ST Microelectronics Switching SMD IC's		
10 each of 11 popular values (110 total pieces)	497-8007-KIT-ND	93.95

Panasonic Nickel-Metal Hydride Batteries and Tabbed Versions

Features: • **Superior Energy Density:** Nickel-metal hydride batteries have approximately double the capacity compared with Panasonic's standard Ni-Cad batteries • **High Cycle Life:** Like Ni-Cad batteries, nickel-metal hydride batteries can be repeatedly charged and discharged up to approximate 500 cycles (under ideal conditions).

Because a specially designed charger will be necessary, please consult the Panasonic Technical Handbook (P001-ND) regarding the charge system • **Flat trickle charge cannot be used** • **Excellent Discharge Characteristics:** Since the internal resistance of nickel-metal hydride batteries is low, continuous high-rate discharge up to 3C (10C for 4/5SC, SC) is possible in the same way as for Ni-Cad batteries. • **Excellent Reliability:** Self-discharge performance is the same or better than that of nickel-cadmium batteries. In addition, charging batteries after extended storage restores original battery capacity. Battery safety has also been improved and verified through testing under a wide range of conditions of use.

Applications: • Communication • Office Automation • Audio Visual Equipment • Other High-Tech Products.

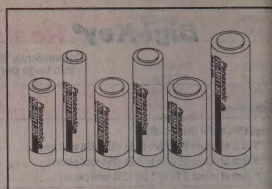
Caution for Safety: Improper usage may cause battery liquid leakage, heat generation or explosion, resulting in equipment failure or injury • Do not disassemble or rework the battery • Do not solder the battery directly • Do not use new batteries together with old batteries, or different type batteries mixed together • Follow the specified charge conditions.

Note: • Battery Packs made with NiMH Cells include a thermostat from Texas Instrument.

Note: • Nickel-metal hydride batteries are not a drop-in replacement for Ni-Cad batteries.

It is the responsibility of each user to ensure that each battery application system is adequately designed safe and compatible with all conditions encountered during use, and in conformance with existing standards and requirements.

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



P001-ND NiMH Technical Handbook **$2.9**

Size	(V)	Capacity C/5 (mAh)	Dimensions Inch (mm) Dia. x Height	Weight* oz. (gram)	Std. Chg. @ 16hrs. (mA)	(Control Req.) Quick Charge (mA)	(hrs.)	Digi-Key Part No.	(Regular Version) Pricing 1	10	Carton	Digi-Key Part No.	(Solder Tabbed Version) Pricing 1	10	Carton	Panasonic Part No.
AAA	1.2	700	.41 x 1.75 (10.5 x 44.5)	0.46 (13)	70	650	1.2	P213-ND†	2.13	19.13	1759.50/1380	P213T-ND	2.43	21.83	2007.90/1380	HHR-70AAAB8
AAA	1.2	700	.41 x 1.75 (10.5 x 44.5)	0.42 (12)	70	450	1.7	P008-ND	2.63	23.63	2173.50/1380	P008T-ND	2.93	26.33	2421.90/1380	HHR-75AAA
4/5 AA	1.2	1150	.57 x 1.69 (14.5 x 43.0)	0.81 (23)	115	1150	1.2	P013-ND†	2.45	22.05	1176.00/800	P013T-ND	2.75	24.75	1320.00/800	HHR-120AA
AA	1.2	1500	.57 x 1.97 (14.5 x 50.0)	0.92 (26)	150	1500	1.2	P015-ND†	2.63	23.63	1260.00/800	P015T-ND	2.93	26.33	1404.00/800	HHR-150AA
AA	1.2	1550	.57 x 1.97 (14.5 x 50.0)	0.95 (27)	155	1500	1.2	P060-ND	2.98	26.78	1428.00/800	P060T-ND	3.28	29.48	1572.00/800	HHR-160AA
AA	1.2	2000	.57 x 1.99 (14.5 x 50.5)	1.02 (29)	200	1200	2	P220-ND	3.33	29.93	1596.00/800	P220T-ND	3.63	32.63	1740.00/800	HHR-210AA
4/5 A	1.2	2000	.67 x 1.71 (17.0 x 43.5)	1.20 (34)	200	2000	1.2	P010-ND†	3.90	35.10	1263.60/540	P010T-ND	4.20	37.80	1360.80/540	HHR-200A
A	1.2	2100	.67 x 1.97 (17.0 x 50.0)	1.34 (38)	210	2100	1.2	P017-ND†	4.60	41.40	1987.20/720	P017T-ND	4.90	44.10	2116.80/720	HHR-210A
4/3 A	1.2	3700	.67 x 2.64 (17.0 x 67.0)	1.87 (53)	370	2000	‡	P018-ND†	5.43	48.83	1171.80/360	P018T-ND	5.73	51.53	1236.60/360	HHR-380A
4/3 A	1.2	4200	.72 x 2.64 (18.2 x 67.0)	2.12(60)	420	2000	‡	P214-ND†	7.90	71.10	1896.00/300	P214T-ND	8.20	73.80	1968.00/300	HHR-450A
4/5 SC	1.2	2000	.91 x 1.34 (23.0 x 34.0)	1.48 (42)	200	2000	1.2	P020-ND†	5.23	47.03	1504.80/480	P020T-ND	5.53	49.73	1591.20/480	HHR-20SCPY14
SC	1.2	3000	.91 x 1.69 (23.0 x 43.0)	1.94 (55)	300	3000	1.2	P021-ND†	6.90	62.10	1987.20/480	P021T-ND	7.20	64.80	2073.60/480	HHR-30SCPY20
D	1.2	6500	1.30 x 2.39 (33.0 x 60.8)	6.00 (170)	650	6500	1.2	P019-ND†	20.63	185.63	1650.00/100	P019T-ND	20.93	188.33	1674.00/100	HHR-650D

† Non-extending positive terminals. * See "Ordering Information" for note on shipping charges on prepaid orders. ‡ Use dT/dt charge termination method.

Panasonic Nickel Cadmium Batteries

The Panasonic nickel-cadmium battery is a rechargeable sealed nickel-cadmium alkaline cell.

Features:

• Long life • Excellent discharge characteristics • Long shelf life • High-rate charging • Wide temperature range • Reliable, self-resealing vent • Sealed, strong, leakproof construction

Applications:

For Cyclic Use:

• Consumer applications • Office equipment • Tools • Photography • Toys and Hobby

For Trickle or Float Charge Use:

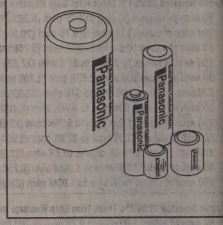
• Emergency devices • Memory back-up

Special Purpose Batteries:

Super High Capacity and Rapid Charge "S" Type: Super high capacity and rapid charge "S" type batteries are ideal for today's high capacity needs. They feature increased capacity and rapid charging within approximate 1 hour. The high-density positive base material of foam nickel is combined with the pasted negative plate to produce a capacity approximately 40% greater than that of the rapid-charge "R" type battery of the same size.

Rapid Charge "R" Type: The "R" type cell has a specially improved negative plate with increased gas absorption characteristics. It can be subjected to controlled charging at the 1C rate and rapid-charge in 1 to 1.5 hours is possible.

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



Size	(V)	Capacity C/5 (mAh)	Dimensions Inch (mm) Dia. x Height	Weight* oz. (gram)	Std. Chg. @ 16hrs. (mA)	Quick Charge (mA)	(hrs.)	Digi-Key Part No.	Pricing 1	10	Pkg.	Carton	Panasonic Part No.
High Capacity and Rapid Charge "S" Type													
AA	1.2	1000	0.57 x 1.97 (14.5 x 50.0)	0.81 (23)	100	1000	1.5	P252-ND	2.36	21.20	75.36/40	1002.29/800	P-100AASJ
AA	1.2	1000	0.57 x 1.97 (14.5 x 50.0)	0.81 (23)	100	1000	1.5	P092-ND†	2.21	19.85	61.74/40	917.28/800	P-100AASJ/FT
4/5A	1.2	1200	0.67 x 1.69 (17.0 x 43.0)	0.92 (26)	120	1200	1.5	P094-ND†	2.07	18.59	260.19/180	773.14/720	P-120AS/FT
A	1.2	1400	0.67 x 1.97 (17.0 x 50.0)	1.16 (33)	140	1400	1.5	P095-ND†	2.57	23.11	323.51/180	961.27/720	P-140AS/FT
4/5SC	1.2	1200	0.89 x 1.34 (22.5 x 34.0)	1.34 (38)	120	1200	1.5	P200-ND†	3.16	28.46	265.65/120	789.36/480	P-120SCJS/FT
SC	1.2	1300	0.89 x 1.69 (22.5 x 43.0)	1.55 (44)	130	1300	1.5	P162-ND†	1.86	16.76	156.45/120	464.88/480	P-130SCS/FT
SC	1.2	1500	0.89 x 1.69 (22.5 x 43.0)	1.55 (44)	150	1500	1.5	P175-ND†	1.96	17.66	164.85/120	489.84/480	P-150SCS/FT
SC	1.2	1700	0.89 x 1.69 (22.5 x 43.0)	1.69 (48)	170	1700	1.5	P180-ND†	2.34	21.04	196.35/120	583.44/480	P-170SCS/FT
Rapid Charge "R" Type													
C	1.2	2800	1.02 x 1.97 (25.8 x 50.0)	2.79 (79)	280	2800	1.5	P282-ND	5.84	52.58	347.63/85	774.72/255	P-280CS/A03
D	1.2	5000	1.30 x 2.40 (33.0 x 61.0)	5.11 (145)	500	5000	1.5	P283-ND	11.81	106.27	462.85/56	1031.50/168	P-500DS/A03
High Capacity and Rapid Charge "S" Type (Solder Tabbed)													
AA	1.2	1000	0.57 x 1.97 (14.5 x 50.0)	0.81 (23)	100	1000	1.5	P092T-ND	2.51	22.55	70.14/40	1042.08/800	P-100AASJ/A9
4/5AF	1.2	1200	0.67 x 1.69 (17.0 x 43.0)	0.92 (26)	120	1200	1.5	P094T-ND	2.37	21.29	340.56/180	1021.68/720	P-120AS/A22
A	1.2	1400	0.67 x 1.97 (17.0 x 50.0)	1.16 (32)	140	1400	1.5	P095T-ND	2.87	25.81	361.31/180	1073.59/720	P-140AS/A16
4/5SC	1.2	1200	0.89 x 1.34 (22.5 x 34.0)	1.34 (38)	120	1200	1.5	P200T-ND	3.46	31.16	290.85/120	864.24/480	P-120SCJS/A02
SC	1.2	1300	0.89 x 1.69 (22.5 x 43.0)	1.55 (44)	130	1300	1.5	P162T-ND	2.16	19.46	181.65/120	539.76/480	P-130SCS/A06
SC	1.2	1500	0.89 x 1.69 (22.5 x 43.0)	1.55 (44)	150	1500	1.5	P175T-ND	2.26	20.36	190.05/120	564.72/480	P-150SCS/A02
SC	1.2	1700	0.89 x 1.69 (22.5 x 43.0)	1.69 (48)	170	1700	1.5	P180T-ND	2.64	23.74	221.55/120	658.32/480	P-170SCS/A02
Rapid Charge "R" Type (Solder Tabbed)													
C	1.2	2800	1.02 x 1.97 (25.8 x 50.0)	2.79 (79)	280	2800	1.5	P282T-ND	6.14	55.28	365.48/85	814.50/255	P-280CS/A03
D	1.2	5000	1.30 x 2.40 (33.0 x 61.0)	5.11 (145)	500	5000	1.5	P283T-ND	12.11	108.97	474.61/56	1057.71/168	P-500DS/A03

† Non-extending positive terminals. * See "Ordering Information" for note on shipping charges on prepaid orders.

(Continu

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Fig. 1

Fig. 2

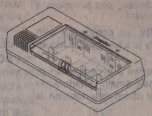

Fig. 3

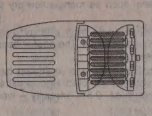

Fig. 4

Fig.	Size	Capacity (mAh)	Charge Time	Dimensions Inch (mm)	Digi-Key Part-No.	Pricing	Energizer Part No.
				Chargers - RoHS Compliant			
1	AA/AAA-4	2500/850	4.5-8 hours	3.268 x 2.992 x 1.181 (83 x 76 x 30)	N310-ND	14.04	CHDCWOB
2	AAA/AA/C/D/9V◊	850/2500/2500/2500/150	Variable	8.031 x 3.937 x 2.047 (204 x 100 x 52)	N311-ND	22.04	CHFCV
3	AA/AAA-4	2200/700	20 minutes	5.157 x 3.071 (131 x 78)	N312-ND†	39.87	CH15MNCP-4
4	AA/AAA-4	2500/850	3.5 hours	4.65 x 2.992 (118 x 76)	N313-NDΔ	31.40	CHCARCP-4

Size	(V)	Capacity C/5 (mAh)	Dimensions Inch (mm) Dia. x Height	Weight• oz. (gram)	Digi-Key Part No.	(Regular Version) Pricing 1	10	Carton	Digi-Key Part No.	(Solder Tabbed Version) Pricing 1	10	Carton	Energizer Part No.
					Batteries								
AA	1.2	850	1.752 x 0.413 (44.50 x 10.50)	0.5 (13)	N704-ND	2.43	21.83	1290.10/1,000	—	—	—	—	NH12VP
AA	1.2	2500	1.988 x 0.571 (50.50 x 14.50)	1.1 (30)	N703-ND	3.95	35.55	1137.60/480	N703T-ND	4.25	38.25	1224.00480	NH15VP
C	1.2	2500	1.969 x 26.2 (50.0 x 26.20)	2.3 (66)	N702-ND‡	13.33	71.96/6	255.84/24	N702T-ND‡	6.96	37.60/6	133.68/24	NH35BP-2
D	1.2	2500	2.421 x 1.346 (61.50 x 34.20)	2.6 (73)	N701-ND‡	13.33	71.96/6	255.84/24	N701T-ND‡	6.96	37.60/6	133.68/24	NH50BP-2
9V	7.2	150	1.909 x 0.689 x 26.5 (48.50 x 17.50 x 26.50)	1.5 (42)	N705-ND	9.45	85.05	2211.30/390	—	—	—	—	NH22VP

Package of two • See "Ordering Information" for note on shipping charges on prepaid orders. † Includes 4AA 2200mAh NIMH Batteries Δ Includes 4AA 2500mAh NIMH Batteries ◊ AAA/AA/C/D-4, 9V-2

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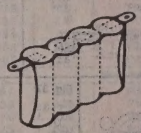
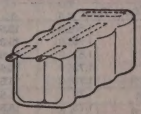
Call for pricing on any standard or custom battery pack

Select Digi-Key Part No. of any Cylinder Type Battery

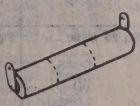
Select Style of Battery Pack From Chart

Style	Volts†	Cells	Configurations	Diagram
F021	2.4	2		
F031	3.6	3		
F041	4.8	4		
F051	6.0	5		
F061	7.2	6		
F071	8.4	7		
F081	9.6	8		
F091	10.8	9		
F101	12.0	10		
F022	4.8	4		
F023	7.2	6		
F024	9.6	8		
F025	12.0	10		





Style	Volts†	Cells	Configurations	Diagram
L021*	2.4	2		
L031*	3.6	3		
L041*	4.8	4		
L051*	6.0	5		
L022	4.8	4		
L032	7.2	6		
L042	9.6	8		
L052	12.0	10		
L023	7.2	6		
L024	9.6	8		
L025	12.0	10		



* Styles L021, L031, L041 and L051 are not available in nickel-metal hydride batteries.

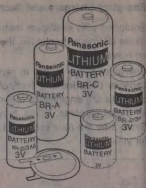
† Voltage increments of 1.5 volts are used for Alkaline and Carbon Zinc packs.

Panasonic® Lithium Batteries

The main features of lithium batteries are as follows:

- **High Voltage:** Nominal voltage is 3V, which is nearly double that of other batteries which use the aqueous electrolyte system, such as manganese dry batteries, and silver-oxide batteries.
- **High Energy Density:** Overwhelmingly high energy density, as compared with conventional batteries and other lithium batteries. The energy density is 5 to 10 times higher than that of manganese dry batteries.
- **Long Service and Shelf Life:** Since Panasonic lithium batteries are composed of chemically and thermally stable material, self-discharge is extremely small. Deterioration when stored at room temperatures is ca. 0.5% annually – worry about deterioration is unnecessary.
- **Stable Flat Discharge Voltage:** Since conductive carbon is continuously formed during discharge, internal impedance does not increase until the end of discharge, thus stabilizing discharge voltage.
- **Excellent Temperature Characteristics:** Organic solvent ensures a low electrolyte freezing point so that the batteries can be used in a wide temperature range, -40°C ~ 85°C is standard (-40°C ~ 125°C for the High Temperature Coin Type; -40°C ~ 70°C for Camera Type; -30° ~ 60°C for CR2004/P9A).
- **BR Types versus CR Types:** BR, or (CF) n/Li, batteries provide a more stable voltage particularly during the last half of discharge, while CR, or Mn02/Li, batteries provide a higher voltage during the first half. CR batteries also can provide a higher current capability than BR batteries. In storage, BR batteries perform better at high temperatures. These characteristics must be taken into consideration when selecting a battery for a particular application.
- **UL Approval:** Panasonic Lithium batteries are UL recognized. UL File No. MH12210.
- **DOT Exemption:** Panasonic lithium cells and multiple cell batteries are authorized for transportation, in commerce, by U.S. shipping exemption DOT-E7052.
- **Disposal Information:** Panasonic lithium cells are not an EPA listed hazardous waste, but may be considered a "characteristic" hazardous waste. Lithium metal, the anode component of the cells, is considered by the U.S. EPA to be hazardous when disposed because it is reactive with water. However, a cell which contains a small quantity of lithium metal is not necessarily a hazardous waste. Disposal regulations and policies are different in each State and are subject to frequent changes. Contact your local jurisdiction for specific advice on disposal.

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



PCB Terminal Type

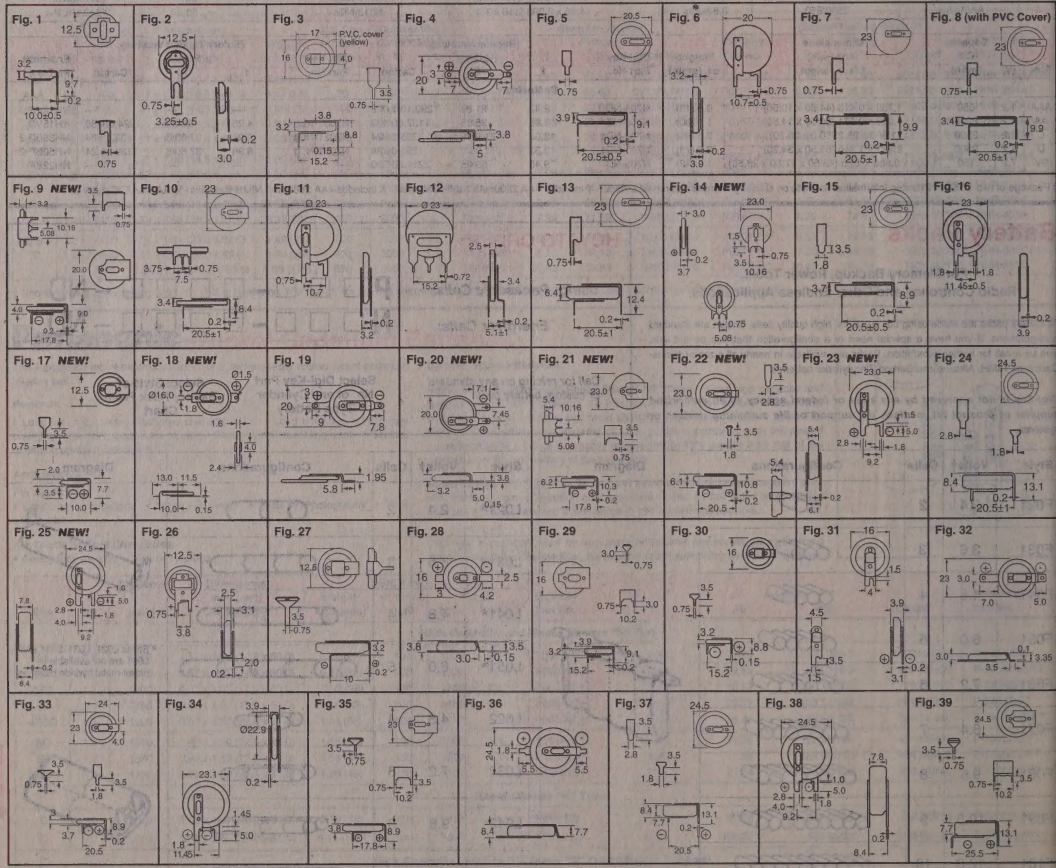


Fig.	Type	(V)	Capacity (mAh)	Weight-(g)	Drain Standard (mA)	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing Package	Pricing Carton	Panasonic Part No.
						PCB Terminal – Coin Type					
1		3	48	0.8	0.03	P191-ND	1.50	13.50	144.00/120	957.60/1,200	BR1225-1HC
2		3	48	0.8	0.03	P192-ND	1.70	15.30	272.00/200	612.00/600	BR1225-1VC
3		3	120	1.6	0.03	P299-ND	1.63	14.63	195.00/150	2074.80/2,400	BR1632-1HF
4		3	190	2.5	0.03	P223-ND	1.73	15.53	220.80/160	1468.32/1,600	BR2032-1F2
5	Coin	3	190	2.5	0.03	P196-ND	1.73	15.53	82.80/60	621.00/600	BR2032-1HE
6		3	190	2.5	0.03	P197-ND	1.73	15.53	165.60/120	621.00/600	BR2032-1VB
7		3	165	3.2	0.03	P142-ND	1.73	15.53	82.80/60	621.00/600	BR2325-1HB
8		3	165	3.2	0.03	P202-ND	1.73	15.53	82.80/60	621.00/600	BR2325-1HC

* See "Ordering Information" for note on shipping charges on prepaid orders. Due to possible restrictions, a change in shipping method may be required.

(Continued)

PCB Terminal Type *(Cont.)*

Fig.	Type	(V)	Capacity (mAh)	Weight (g)	Drain Standard (mA)	Digi-Key Part No.	Pricing 1	10	Package	Carton	Panasonic Part No.
9		3	190	2.5	0.03	P241-ND ***NEW!***	1.73	15.53	82.80/60	621.00/600	BR2032-1GU
10		3	165	3.2	0.03	P193-ND	1.73	15.53	82.80/60	621.00/600	BR2325-1HG
11		3	165	3.2	0.03	P194-ND	1.73	15.53	82.80/60	621.00/600	BR2325-1VC
12		3	165	3.2	0.03	P195-ND	1.73	15.53	82.80/60	621.00/600	BR2325-1VG
13		6	165	6.4	0.03	P143-ND	3.55	31.95	113.60/40	852.00/400	BR2325-2HC
14		3	255	3.2	0.03	P243-ND ***NEW!***	2.05	18.45	164.00/100	1090.60/1,000	BR2330-1GVF
15		3	255	3.2	0.03	P198-ND	2.05	18.45	164.00/100	1090.60/1,000	BR2330-1HE
16		3	255	3.2	0.03	P199-ND	2.05	18.45	164.00/100	1090.60/1,000	BR2330-1VC
17	Coin	3	35	1.2	0.10	P244-ND ***NEW!***	1.25	11.25	120.00/120	798.00/1,200	CR1220-1HF
18		3	55	1.2	0.10	P273-ND ***NEW!***	1.35	12.15	324.00/300	3304.80/4,800	CR1616-1F2
19		3	90	1.6	0.10	P222-ND	1.08	9.68	258.00/300	1644.75/3,000	CR2016-1F2
20		3	225	1.2	0.29	P245-ND ***NEW!***	1.08	9.68	103.20/120	686.28/1,200	CR2032-1F4
21		3	560	5.9	0.20	P246-ND ***NEW!***	1.90	17.10	152.00/100	1010.80/1,000	CR2354-1GU
22		3	560	5.9	0.20	P274-ND ***NEW!***	1.90	17.10	152.00/100	1010.80/1,000	CR2354-1HF
23		3	560	5.9	0.20	P248-ND ***NEW!***	1.90	17.10	152.00/100	1010.80/1,000	CR2354-1VC
24		3	1000	10.5	0.20	P126-ND	4.18	37.58	334.00/100	2221.10/1,000	CR2477-1HF
25		3	1000	10.5	0.20	P271-ND ***NEW!***	4.18	37.58	334.00/100	2221.10/1,000	CR2477-1VC
						PCB Terminal - High Temperature Coin Type (-40°C ~ 125°C)					
26		3	48	0.8	0.03	P290-ND	1.98	17.78	790.00/500	4029.00/4,000	BR1225A/FA
27		3	48	1.0	0.03	P061-ND	1.98	17.78	189.60/120	1260.84/1,200	BR1225A/HB
28		3	120	1.5	0.03	P022-ND	1.93	17.33	369.60/240	4712.40/4,800	BR1632A/FA
29		3	120	1.5	0.03	P291-ND	1.93	17.33	231.00/150	2457.84/2,400	BR1632A/GA
30		3	120	1.5	0.03	P023-ND	1.93	17.33	616.00/400	2457.84/2,400	BR1632A/HA
31		3	120	1.5	0.03	P024-ND	1.93	17.33	616.00/400	3927.00/4,000	BR1632A/VA
32	Coin	3	255	3.2	0.03	P025-ND	2.20	19.80	352.00/200	2340.80/2,000	BR2330A/FA
33		3	255	3.2	0.03	P026-ND	2.20	19.80	352.00/200	2340.80/2,000	BR2330A/HD
34		3	255	3.2	0.03	P027-ND	2.20	19.80	352.00/200	2340.80/2,000	BR2330A/VA
35		3	255	3.2	0.03	P224-ND	2.20	19.80	352.00/200	2340.80/2,000	BR2330A/GAE
36		3	1000	8.0	0.03	P026-ND	3.68	33.08	176.40/60	1323.00/600	BR2477A/FB
37		3	1000	8.0	0.03	P029-ND	3.68	33.08	294.00/100	1955.10/1,000	BR2477A/HB
38		3	1000	8.0	0.03	P030-ND	3.68	33.08	294.00/100	1955.10/1,000	BR2477A/VA
39		3	1000	8.0	0.03	P226-ND	3.68	33.08	294.00/100	1955.10/1,000	BR2477A/GAE

See "Ordering Information" for note on shipping charges on prepaid orders. Due to possible restrictions, a change in shipping method may be required.

Computer, Camera, Standard and Standard Coin Types

Type	(V)	Capacity (mAh)	Dimensions (mm) Dia. x Height	Weight (g)	Drain Standard (mA)	Digi-Key Part No.	Pricing 1	10	Package	Carton	Panasonic Part No.
						Computer-Type					
Pack	6	1200	19.5 x 33.9 x 36.0	31.0	2.5	P204-ND	12.63	113.63	1454.40/144	2181.60/288	BR-P2PE
Pack with 6.8KΩ resistor		1200	22.0 x 39.0 x 41.0	45.0	—	P203-ND	16.55	148.95	662.00/50	993.00/100	BR-E3C3BCA
						Camera-Type					
Cyl. (Bulk pkg.)	3	850	15.6 x 27.0	11.0	20	P157-ND	3.00	27.00	240.00/100	1915.20/1,200	CR-2PA/B
Cyl. (Retail pkg.)	3	850	15.6 x 27.0	11.0	20	P155-ND	6.90	62.10	66.24/12	4404.96/1,200	CR-2PA/1BOEM
Cyl. (Bulk pkg.)	3	1500	17.0 x 34.5	17.0	20	P151-ND	2.88	25.88	230.00/100	1529.50/1,000	CR-123APA/B
Cyl. (Retail pkg.)	3	1500	17.0 x 34.5	17.0	20	P154-ND	2.88	25.88	27.60/12	1835.40/1,200	CR-123APA/1B
Pack (Bulk pkg.)	3	3300	28.4 x 14.4 x 52.0	39.0	200	P063-ND ***NEW!***	10.63	95.63	850.00/100	2550.00/400	CR-V3P/B
Pack (Retail pkg.)	3	3000	28.4 x 14.4 x 52.0	39.0	200	P212-ND	12.34	—	132.00/12	2376.00/288	CR-V3A/1BOEM
Pack (Bulk pkg.)	6	1400	35.0 x 19.5 x 36.0	37.0	20	P099-ND ***NEW!***	7.63	68.63	610.00/100	2287.50/500	CR-P2/B
Pack (Retail pkg.)	6	1400	35.0 x 19.5 x 36.0	37.0	20	P205-ND	12.30	—	132.84/12	2833.92/288	CR-P2PA/1BOEM
Pack (Bulk pkg.)	6	1400	34.0 x 17.0 x 45.0	38.0	20	P127-ND ***NEW!***	6.30	56.70	504.00/100	1890.00/500	2CR-5MPA/B
Pack (Retail pkg.)	6	1400	34.0x 17.0 x 45.0	38.0	20	P073-ND	12.30	110.70	118.08/12	2125.44/288	2CR-5MPA/1BOEM
						Standard Type					
A		2200	17.0 x 45.5	13.5	2.5	P362-ND	11.30	101.70	180.80/20	3390.00/500	BR-AG
A with Tabs		2200	17.0 x 45.5	13.5	2.5	P362T-ND	11.60	104.40	185.60/20	3480.00/500	BR-AG-T
A		1800	17.0 x 45.5	18.0	2.5	P267-ND	8.75	78.75	700.00/100	4655.00/1,000	BR-A
A with Tabs		1800	17.0 x 45.5	18.0	2.5	P267T-ND	9.05	81.45	724.00/100	4814.60/1,000	BR-A-T
2/3 A	3	1450	17.0 x 33.5	13.5	2.5	P361-ND	5.35	48.15	1712.00/400	4553.92/1,600	BR-2/3AG
2/3 A with Tabs		1450	17.0 x 33.5	13.5	2.5	P361T-ND	5.65	50.85	1808.00/400	4809.28/1,600	BR-2/3AG-T
2/3 A		1200	17.0 x 33.5	13.5	2.5	P133-ND	4.70	42.30	75.20/20	2256.00/600	BR-2/3A
2/3 A with Tabs		1200	17.0 x 33.5	13.5	2.5	P201-ND	5.63	50.63	450.00/100	2992.50/1,000	BR-2/3AT-2SP
2/3 A w/2 PCB Pins		1200	17.0 x 33.5	13.5	2.5	P226-ND	5.63	50.63	450.00/100	2992.50/1,000	BR-2/3AE5SP
2/3 A w/3 PCB Pins		1200	17.0 x 33.5	13.5	2.5	P270-ND	5.25	47.25	420.00/100	2793.00/1,000	BR-2/3AE2SP
						Standard Coin Type					
		35	12.5 x 2.0	0.7	0.03	P342-ND	1.30	11.70	208.00/200	2652.00/4,000	BR1220
		48	12.5 x 2.5	0.8	0.03	P183-ND	1.18	10.58	376.00/400	2397.00/4,000	BR1225
		48	16.0 x 1.6	1.0	0.03	P184-ND	1.33	11.93	212.00/200	1409.80/2,000	BR1616
		190	20.0 x 3.2	2.5	0.03	P186-ND	1.15	10.35	184.00/200	1223.60/2,000	BR2032
		165	23.0 x 2.5	3.2	0.03	P135-ND	1.43	12.54	228.00/200	1516.20/2,000	BR2325
		255	23.0 x 3.0	3.2	0.03	P187-ND	1.83	16.43	292.00/200	1941.80/2,000	BR2330
		500	30.0 x 3.2	5.5	0.03	P341-ND	2.75	24.75	440.00/200	2926.00/2,000	BR3032
		30	10.0 x 2.5	0.7	0.1	P031-ND	1.08	9.68	344.00/400	2193.00/4,000	CR1025
		25	12.5 x 1.6	0.7	0.1	P032-ND	1.08	9.68	344.00/400	2193.00/4,000	CR1216
		35	12.5 x 2.0	1.2	0.1	P033-ND	.95	8.55	304.00/400	1938.00/4,000	CR1220
Coin	3	40	16.0 x1.2	0.8	0.1	P041-ND	2.70	24.30	432.00/200	1296.00/800	CR1612
		55	16.0 x 1.6	1.2	0.1	P034-ND	1.00	9.00	160.00/200	1064.00/2,000	CR1616
		75	16.0 x 2.0	1.3	0.1	P035-ND	.93	8.33	296.00/400	1887.00/4,000	CR1620
		125	16.0 x 3.2	1.8	0.1	P036-ND	1.08	9.68	344.00/400	2193.00/4,000	CR1632
		55	20.0 x 1.2	1.4	0.1	P037-ND	1.20	10.80	384.00/400	2448.00/4,000	CR2012
		90	20.0 x 1.6	1.7	0.1	P138-ND	.30	2.70	48.00/200	191.52/1,200	CR2016
		165	20.0 x 2.5	2.5	0.2	P188-ND	.30	2.70	48.00/200	612.00/4,000	CR2025
		225	20.0 x 3.2	3.1	0.2	P189-ND	.28	2.48	44.00/200	561.00/4,000	CR2032
		265	23.0 x 3.0	4.0	0.2	P111-ND	1.35	12.15	216.00/200	1436.40/2,000	CR2330
		560	23.0 x 5.4	5.9	0.2	P117-ND	1.25	11.25	100.00/100	665.00/1,000	CR2354
		100	24.5 x 1.2	2.0	0.2	P042-ND	3.10	27.90	496.00/200	1488.00/800	CR2412
		620	24.5 x 5.0	6.3	0.2	P340-ND	1.13	10.13	90.00/100	675.00/1,000	CR2450
		1000	24.5 x 7.7	10.5	0.2	P120-ND	2.25	20.25	180.00/100	1197.00/1,000	CR2477
		500	30.0 x 3.2	7.1	0.2	P121-ND	2.33	20.93	372.00/200	2473.80/2,000	CR3032
						Pin Type					
Pin	3	25	4.2 x 25.9	0.55	0.5	P140-ND	3.25	29.25	780.00/300	4972.50/3,000	BR425
	3	50	4.2 x 35.9	0.85	1.0	P139-ND	3.28	29.48	786.00/300	5010.75/3,000	BR435

See "Ordering Information" for note on shipping charges on prepaid orders. Due to possible restrictions, a change in shipping method may be required.

TADIRAN Lithium Batteries

Lithium Thionyl Chloride ($Li/SOCl_2$) Cell: Non-Rechargeable
Tadiran Lithium Thionyl Chloride cells offer enduring quality. They are a superior power source, combining the highest energy density and voltage, longest service life, lowest self-discharge, plus the widest temperature range of any battery commercially available.
These cells are ideally suited to provide long lasting power solutions for critical applications, including high tech electronics, military, consumer appliances, even state-of-the-art wireless communications. Tadiran batteries last by far longer than conventional cells, making them ideal for remote, portable, or seldom used equipment. Non-rechargeable.

TL-51XX MBU Series:
- Very low self discharge rate
- Suited for long-term operation at low current levels with long stands
- Intermittent discharge with medium current level, provided that the average current exceeds the active current level

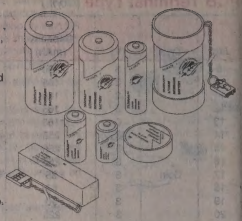
TL-2XXXXTRA™ Series:
- Excellent shelf-life (10 years)
- Very low self-discharge
- Major improvement of voltage delay at the start of discharge at medium current levels (TMV)
- Intermittent discharge at medium current levels

TL-59XXXTRA™ High Capacity Series:
- High capacity batteries for long term applications at low currents
- For use in wireless sensors, utility meters, RFID tags, toll tags for toll road pricing, etc.

Applications:
The following list represents actual applications where Tadiran Lithium cells and batteries are already being used as a main or backup source of energy:
- Utility meters and A.M.R. equipment
- PC computers and data loggers
- CMOS memory and RTC backup
- Toll tags and RFID transponders
- Programmable logic controllers
- Wireless alarm sensors
- Sea buoys and remote monitoring systems

UL Approval:
Tadiran Lithium Thionyl Chloride cells and batteries are UL recognized. UL File No. MH12193.

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



Dim. in mm

Fig. 1 — Standard

Fig. 2 — Axial Pins

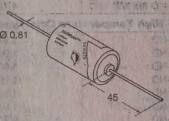


Fig. 3 — Solder Tabs

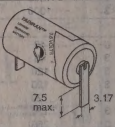


Fig. 4

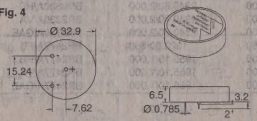


Fig. 5

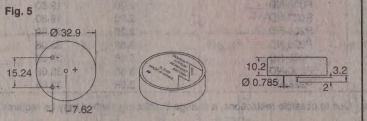


Fig. 6

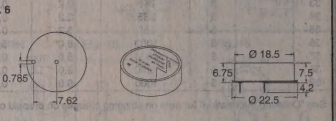
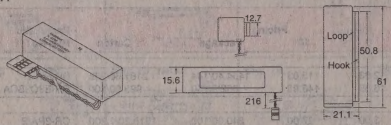
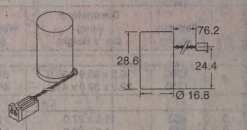


Fig. 7



Connector Type
Housing: BERG 71627-001
Contacts: BERG 47565-002

Fig. 8



Connector Type
IDC 1308-102-426

Fig.	Type	(V)	Cap. (mAh)	Dim. (mm) Dia. x Height	Weight* (g)	Nominal Discharge Current (mA)	Digi-Key Part No.	1	Pricing 10	Carton	Tadiran Part No.
				MBU Series							
1	1/2AA	3.6	950	14.5 x 25.2	9	0.5	439-1002-ND	4.50	41.63	1631.25/500	TL-5101/S
2	1/2AA with Leads						439-1003-ND	4.80	44.40	1044.00/300	TL-5101/P
1	AA	3.6	2,100	14.5 x 50.5	17.4	2.0	439-1012-ND	5.50	50.88	1993.75/500	TL-5104/S
2	AA with Leads						439-1013-ND	5.80	53.65	2102.50/500	TL-5104/P
4	1/10D	3.6	1,000	See Figure	16.8	0.5	439-1023-ND	5.90	54.58	2994.25/700	TL-5134/P
5	1/6D	3.6	1,700	See Figure	21.5	0.5	439-1024-ND	6.50	60.13	2639.00/560	TL-5135/P
6	BEL	3.6	400	See Figure	5.3	0.3	439-1025-ND	4.20	38.85	1522.50/500	TL-5186
				XTRA™ Series							
1	1/2AA	3.6	1,000	14.5 x 25.2	9	1.0	439-1000-ND	4.70	43.48	1703.75/500	TL-2150/S
2	1/2AA with Leads						439-1001-ND	5.00	46.25	1087.50/300	TL-2150/P
1	AA	3.6	2,100	14.5 x 50.5	17.4	2.0	439-1010-ND	5.80	53.65	2102.50/500	TL-2100/S
2	AA with Leads						439-1011-ND	6.10	56.43	2211.25/500	TL-2100/P
				XTRA™ High Capacity Series							
1	1/2AA						439-1004-ND	5.50	50.88	1993.75/500	TL-5902/S
2	1/2AA with Leads	3.6	1,200	14.5 x 25.2	9.2	1.0	439-1005-ND	5.80	53.65	1261.50/300	TL-5902/P
3	1/2AA with Tabs						439-1006-ND	5.80	53.65	1051.25/250	TL-5902/T
1	2/3AA						439-1007-ND	6.20	57.35	2247.50/500	TL-5955/S
2	2/3AA with Leads	3.6	1,650	14.5 x 33.5	11.8	1.3	439-1008-ND	6.50	60.13	2356.25/500	TL-5955/P
3	2/3AA with Tabs						439-1009-ND	6.50	60.13	1178.13/250	TL-5955/T
1	AA						439-1014-ND	6.90	63.83	2501.25/500	TL-5903/S
2	AA with Leads	3.6	2,400	14.5 x 50.5	17.6	2.0	439-1015-ND	7.20	66.60	2610.00/500	TL-5903/P
3	AA with Tabs						439-1016-ND	7.20	66.60	1152.00/200	TL-5903/T
				Standard Battery Packs with Connectors							
7	MBU - AA	3.6	2,100	See Figure	27	2.0	439-1026-ND	10.00	92.50	2175.00/300	TL-5242/W
8	XTRA™ - 1/2AA	3.6	1,000	16.8 x 28.6	12.5	1.0	439-1027-ND	7.90	73.08	3264.68/570	TL-5276/W

* See "Ordering Information" for note on shipping charges on prepaid orders. Due to possible restrictions, a change in shipping method may be required.

anasonic® Industrial Alkaline and OxyRide™ Batteries

MADE IN U.S.A.

ylindrical alkaline battery is composed of: manganese dioxide for the positive-ting substance, zinc powder for the negative-activating substance, and caustic for the electrolyte.

res:

ge Current and Large Capacity for an Excellent Performance
ble Voltage and Current
urpassed Resistance to Leakage
ellent Storage Life

cations:

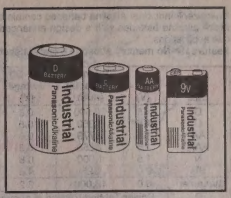
MERCURY FREE: • Headphone stereo, radio-cassette recorders, strobes, ras, electronic calculators, 8 mm cameras, electric shavers, tape recorders, ower flashlights, toys and other cordless products. Also available in tabbed n of D, C, and AA cell batteries; denoted by "T" suffix in Digi-Key part number.

OxyRide is the result of a two-way breakthrough in materials and manufacturing technology exclusive to Panasonic. The Oxyride battery uses newly developed oxyhydroxide which releases a higher initial voltage than traditional alkaline batteries, while a new vacuum-pouring technology allows a higher quantity of electrolytes to be inserted into the battery. As a result of these innovations, the Oxyride battery offers more power and longer-lasting energy.

OxyRide Recommended Applications:
• Digital Cameras • High Current Drain Devices • Applications of >500mW or >500mA

OxyRide batteries are NOT recommended for use in flashlights (except LED flashlights) or any product with bulbs

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



e	Voltage (V)	Dimensions – Inch (mm) Diameter	Height	Weight* Oz. (grams)	Capacity (to 0.9V/Cell)	Digi-Key Part No.	Each	Pricing Package	Carton	Panasonic Part No.
					Alkaline					
	1.5	1.346 (34.2)	2.421 (61.5)	4.76 (135)	1200 hrs. (100Ω cont.)	P105-ND	1.56	12.48/12	131.04/144	AM-1PIX
	1.5	1.031 (26.2)	1.969 (50.0)	2.29 (65)	380 hrs. (100Ω cont.)	P106-ND	1.26	20.16/24	157.25/288	AM-2PIX
	1.5	0.571 (14.5)	1.988 (50.5)	0.85 (24)	170 hrs. (100Ω cont.)	P107-ND	.45	12.00/40	117.00/600	AM-3PIX/2S
A	1.5	0.413 (10.5)	1.752 (44.5)	0.42 (12)	65 hrs. (100Ω cont.)	P146-ND	.54	18.00/50	117.00/500	AM-4PIX/2S
	1.5	0.472 (12.0)	1.189 (30.2)	0.32 (9)	48 hrs. (100Ω cont.)	P147-ND†	1.08	17.28/24	280.80/600	AM5X
	9	1.93 x 1.04 x 0.69 (49.0 x 26.0 x 17.5)		1.66 (47)	6 hrs. (100Ω cont. to 5.4V)	P145-ND	1.92	15.36/12	239.62/288	6AM-6PIX/1S
	1.5	Tabbed Version				P105T-ND	1.92	15.36/12	161.28/144	AM-1PIX
	1.5	Tabbed Version				P106T-ND	1.62	25.92/24	202.18/288	AM-2PIX
	1.5	Tabbed Version				P107T-ND	.81	21.60/40	210.60/600	AM-3PIX/2S
					OxyRide					
A	1.5◆	0.551 (14.0)	1.969 (50.0)	0.84 (23)	2800 mWh @100 mW	P277-ND	1.20	40.00/50	520.00/1000	ZR-6XA/BOEM
A	1.5◆	0.402 (10.2)	1.736 (44.1)	0.42 (12)	1300 mWh @50 mW	P278-ND	1.20	40.00/50	300.00/500	ZR-03XA/BOEM

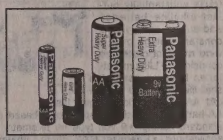
"Ordering Information" for note on shipping charges on prepaid orders. † Made in Japan. ◆ Initial Voltage 1.7V

anasonic®
xtra / Super Heavy Duty Carbon Zinc Batteries

sonic Extra / Super Heavy Duty batteries are composed of: manganese dioxide e positive-activating substance, zinc for the negative-activating substance, and queous solution of neutral salts such as zinc chloride and ammonium chloride e electrolyte.

Features: Leakage Resistant • Discharge Characteristics for general Applications • Good Storage Life
Applications: • Radios, clocks and various other electronic products • Flashlights

Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.



ze	Voltage (V)	Dimensions – Inch (mm) Diameter	Height	Weight* Oz. (grams)	Capacity (to 0.9V/Cell)	Digi-Key Part No.	Each	Pricing Pkg.	Carton	Panasonic Part No.
D	1.5	1.339 (34.0)	2.421 (61.5)	3.53 (100)	700 hrs. (100Ω cont.)	P113-ND	.72	11.52/24	50.40/120	UM1NPA
C	1.5	1.031 (26.2)	1.969 (50.0)	1.82 (51.5)	310 hrs. (100Ω cont.)	P114-ND	.66	10.56/24	46.20/120	UM2NPA
AA	1.5	0.571 (14.5)	1.988 (50.5)	0.67 (19)	110 hrs. (100Ω cont.)	P103-ND	.33	13.20/60	85.80/600	UM-3NX
AAA	1.5	0.413 (10.5)	1.752 (44.5)	0.34 (9.7)	39 hrs. (100Ω cont.)	P265-ND	.30	10.00/50	78.00/600	R03NPA/BK
N	1.5	0.472 (12.0)	1.189 (30.2)	0.23 (6.55)	30 hrs. (100Ω cont.)	P266-ND	.33	11.00/50	264.00/2000	UM-5NX
9V	9	1.91 x 1.04 x 0.69 (48.5 x 26.5 x 17.5)		1.34 (38)	2.5 hrs. (100Ω cont. to 5.4V)	P104-ND	1.77	11.80/10	206.50/200	006PNX
ern ‡	6	2-11/16" x 2-11/16" x 4-1/16" (68.26 x 68.26 x 103.19)		20.0 (567)	Heavy duty type battery	P206-ND	4.20	45.36/12	45.36/12	W4FDPA

"Ordering Information" for note on shipping charges on prepaid orders. ‡ Spring top type.

anasonic® Flashlights

ures:

werful Krypton bulb for brighter and whiter light • Heavy-Duty switch • Lifetime warranty on flashlight switch (on manufacturer defects only)

cifications:

10PAB/K:
1) • **Weight:** 1.16 lbs. • **Batteries:** 2 Heavy-Duty "D" size (included) • **Brightness:** Light output er 100 candles at 5 feet (1.52 meters)

96PA/K:
2) • **Weight:** 1.82 lbs. • **Batteries:** 4 Heavy-Duty "D" size (included) • **Brightness:** Light ut of 2500 lux

87PA/K:
3) **Head Light Features:** • Powerful hands-free operation • Designed for comfort with wide, adjustable ic headband and padded headrest • Pivoting lamp has high intensity bulb with hands-free operation for ob indoors or out • Lightweight 5.7 oz. (161.59 grams) • Operates on two heavy duty "AA" batteries, ded

Fig. 1

Fig. 2

Fig. 3

Fig.	Description	Digi-Key Part No.	Price Each	Panasonic Part No.
1	Flashlight	P057-ND	7.81	BF-110BPA/KOEM
2	Lantern Flashlight	P062-ND	9.60	BF-796PA/KOEM
3	Head Light	P059-ND	11.95	BF-187PA/KOEM

L

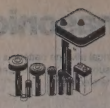
CL Staticide® PowerPen

ttery contact cleaner that inhibits and removes oxidation on all types of batteries and terminals of battery ered products. This means you will spend less money on batteries because PowerPen will maximize batteries performance.

In addition, using PowerPen as directed will protect all terminals from corrosion, therefore extending the product life.

ST1026-ND **$6.13**

Energizer® Industrial Alkaline Batteries



Energizer® Industrial Alkaline batteries contain the long-lasting power found in Energizer Max® alkaline batteries with a design enhanced for today's heavy current or continuous use applications.

Features: • No mercury added • Excellent shelf life **Applications:** • Telemetry • Portable Communication • Cameras • Audio Devices • High-Powered Flashlights • Pagers • TV Remote Controls • Electronic Door Locks • Smoke Detectors and more

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.

Size	(V)	Average Capacity (mAh)	Cut-Off Voltage (V)	Rated Drain/Load	Dimensions Inch (mm) Diameter	Height	Weight Oz. (g)	Digi-Key Part No.	Each	Pricing Pkg.	Carton	Energizer Part No.
D	1.5	20,500	0.8	25mA	1.346 (34.2)	2.421 (61.5)	5.03 (141.9)	N105-ND	1.38	11.04/12	57.96/72	EN95
C	1.5	8,350	0.8	25mA	1.031 (26.2)	1.969 (50)	2.3 (66.2)	N106-ND	1.23	9.84/12	51.66/72	EN93
AA	1.5	2,779	0.8	25mA	0.571 (14.5)	1.988 (50.5)	0.8 (23)	N107-ND	.63	10.08/24	52.92/144	EN91
AAA	1.5	1,250	0.8	25mA	0.413 (10.5)	1.752 (44.5)	0.4 (11.5)	N146-ND	.63	10.08/24	52.92/144	EN92
N	1.5	1,000	0.8	25mA	.99 0.472 (12)	1.189 (30.2)	0.3 (9)	N147-ND	.99	15.84/24	247.10/576	E90VP
9V	9.0	625	4.8	25mA	1.909 x 1.043 x 0.689	(48.5 x 26.5 x 17.5)	1.6 (45.6)	N145-ND	2.34	16.72/12	98.28/72	EN22
6V Lantern	6.0	18,000	3.2	25mA	2.685 (68.2)	4.063 (103.2)	23.5 (665)	N401-ND	10.68	51.24/6	448.35/60	EN529
D		Solder Tabbed Version of above						N105T-ND	1.71	13.68/12	71.82/72	EN95T
C		Solder Tabbed Version of above						N106T-ND	1.56	12.48/12	65.52/72	EN93T
AA		Solder Tabbed Version of above						N107T-ND	.96	15.36/24	80.64/144	EN91T
Specialty Type — Small Electronics and Keyless Entry												
Button Cylinder	1.5 12	150 40	0.9 6.0	7.5kΩ 20kΩ	0.457 (11.6) 0.406 (10.3)	0.213 (5.4) 1.122 (28.5)	0.08 (2.3) 0.26 (7.5)	N402-ND N403-ND	.57 1.11	9.12/24 17.76/24	228.00/1,000 888.00/2,000	A76VP A23CVP

Super Heavy Duty Carbon Zinc Batteries

Eveready® Super Heavy Duty batteries offer power for a wide range of needs, without draining your wallet. **Features:** • Suitable for moderate current drains or regular use • No mercury added **Applications:** • Barricades • Portable Audio Devices • Smoke Detectors • Flashlights and Lanterns • Warning Flashers and more

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.

Size	(V)	Average Capacity (mAh)	Cut-Off Voltage (V)	Rated Drain	Dimensions Inch (mm) Diameter	Height	Weight Oz. (g)	Digi-Key Part No.	Each	Pricing Pkg.	Carton	Energizer Part No.
D	1.5	8,000	0.8	25mA	1.346 (34.2)	2.421 (61.5)	3.1 (89)	N113-ND	.63	5.04/12	70.56/192	1250
C	1.5	3,800	0.8	25mA	1.031 (26.2)	1.969 (50)	1.6 (45)	N114-ND	.57	4.56/12	63.84/192	1235
AA	1.5	1,100	0.8	25mA	0.571 (14.5)	1.988 (50.5)	0.5 (15)	N103-ND	.48	3.84/12	53.76/192	1215
AAA	1.5	540	0.8	16mA	0.413 (10.5)	1.752 (44.5)	0.31 (9.7)	N265-ND	.48	7.68/24	13.44/48	1212
9V	9.0	400	4.8	5mA	1.909 x 1.043 x 0.689	(48.5 x 26.5 x 17.5)	1.3 (37)	N104-ND	1.53	12.24/12	64.26/72	1222
6V Lantern	6.0	11,000	3.2	25mA	2.685 (68.2)	4.063 (103.2)	21.2 (600)	N206-ND	3.13	30.00/12	131.25/60	1209

Lithium Batteries

Features: • Lithium batteries substantially outlast alkaline batteries and supply energy at a constant voltage over a wide range of discharge conditions. • Lithium batteries have an estimated shelf life of up to 10 years. • The L91 AA is the world's longest lasting AA battery in high-drain applications, based on industry standard testing. • 9 volt type for telemetry and other applications. • Energizer e²® Photo Lithium batteries provide the ideal power source for today's photographic devices, with advanced lithium technology for exceptional power in digital devices. • Coin types for keyless entry and other electronic applications.

Digi-Key is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.

Type	(V)	Average Capacity (mAh)	Cut-Off Voltage (V)	Rated Drain/Load	Dimensions (mm) Diameter / Height	Weight (g)	Digi-Key Part No.	Each	Pricing Pkg.	Carton	Energizer Part No.
AA	1.5	3,000	1.0	200mA	14.5 / 50.5	14.5	N602-ND	3.70	33.30/10	2480.18/1260	L91VP
9 Volt	9	1,200	5.4	900Ω	26.5 x 17.5 x 49	36.4	N601-ND	11.13	100.13/10	890.00/100	L522MJ
Camera	3	1,500	2.0	100Ω	17 / 34.5	16.8	N151-ND	3.30	29.70/10	2106.72/1200	EL123APV
Camera	3	800	2.0	100Ω	15.6 / 27	11.0	N157-ND	4.50	48.60/12	86.40/24	EL1CR2BP
Camera Pack	6	1,500	3.5	200Ω	34 x 17 x 45	39.5	N073-ND	12.30	66.42/6	236.16/24	EL2CR5BP
Camera Pack	6	1,400	4.0	200Ω	35 x 19.5 x 36	37.0	N205-ND	12.30	66.42/6	236.16/24	EL223APB
Camera Pack (x2)	3	2,900	2.0	200mA	28.2 x 14 x 51.6	32	N212-ND*	23.08	124.61/6	443.04/24	ELCRV3BP
Coin, 10MM	3	30	2.0	45kΩ	10 / 2.5	0.7	N031-ND	1.05	11.34/12	60.48/72	ECR1025B
Coin, 12.5MM	3	29	2.0	45kΩ	12.5 / 1.6	0.7	N032-ND	1.08	11.61/12	61.92/72	ECR1216B
Coin, 12.5MM	3	40	2.0	45kΩ	12.5 / 2	0.76	N033-ND	.90	8.10/10	718.20/1500	CR1220VP
Coin, 16MM	3	55	2.0	30kΩ	16 / 1.6	1.2	N034-ND	1.00	9.00/10	532.00/1000	CR1616VP
Coin, 16MM	3	79	2.0	30kΩ	16 / 2	1.4	N035-ND	.93	8.33/10	1887.00/4000	CR1620VP
Coin, 16MM	3	130	2.0	15kΩ	16 / 3.2	1.8	N036-ND	1.13	10.13/10	1197.00/2000	CR1632VP
Coin, 20MM	3	58	2.0	30kΩ	20 / 1.2	1.3	N037-ND	1.10	9.90/10	2244.00/4000	CR2012VP
Coin, 20MM	3	80	2.0	30kΩ	20 / 1.6	1.9	N138-ND	.33	2.93/10	172.90/1000	CR2016VP
Coin, 20MM	3	170	2.0	15kΩ	20 / 2.5	2.8	N188-ND	.38	3.38/10	199.50/1000	CR2025VP
Coin, 20MM	3	225	2.0	10kΩ	20 / 3.2	3.3	N189-ND	.33	2.93/10	172.90/1000	CR2032VP
Coin, 24.5MM	3	290	2.0	10kΩ	24.5 / 3	4.6	N603-ND	1.35	12.15/10	1077.30/1500	CR2430VP
Coin, 24.5MM	3	575	2.0	5.1kΩ	24.5 / 5	6.9	N340-ND	1.35	12.15/10	718.20/1000	CR2450VP

* One piece = package of two battery packs. Due to possible restrictions, a change in shipping method may be required.

Flashlights

Dimensions in Inch

Energizer® industrial lighting products are built tough to bring safety and security to every job.

TUF4D1: • Impact Resistant • Steel Plate Bolted Sides • Waterproof • Shatterproof Lens • Survives a 15 Foot Drop • Built-In Two Position Stand • Super Krypton Bulb

TUF2D1: • Impact Resistant • Steel Plate Bolted Sides • Waterproof • Shatterproof Lens • Survives a 15 Foot Drop • Krypton Bulb

TUF4AA1: • Impact Resistant • Steel Plate Bolted Sides • Waterproof • Shatterproof Lens • Survives a 20 Foot Drop • Krypton Bulb

TUF2AA1: • Impact Resistant • Steel Plate Bolted Sides • Water Resistant • Survives a 30 Foot Drop • 50 Hour Runtime

HD33A1EN: • 2 White LEDs • 1 Red LED-Night Vision • Hands Free Headlight • Swivel and Tilt Directional Light • 50 Hour Runtime

F420: • Hands-Free Headlight • Swivel and Tilt Directional Light • Krypton Bulb

IN421: • Swivel Head Rotates 180° • Belt Clip • Trigger Switch • Soft Ergonomic Grip • Krypton Bulb

4250: • Heavy Duty Rubber Flashlight • Impact Resistant • Krypton Bulb

K220: • Rugged, Impact Resistant Housing • Rubber Grip • Waterproof and Floats • Krypton Bulb • Lanyard Included

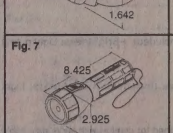
P211: • Strong, Lightweight Aluminum • Pocket Clip • Twist On/Off

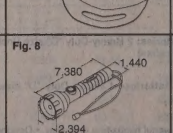
451: • Floating Lantern • Large Reflector for Bright Beam • Weatherproof

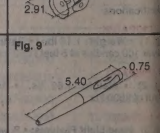
HDL33A2: • Multiple Position Push Button Switch • Swivel Adjustment • 2 White LED's for Spot • 2 White LED's for Flood • 4 White LED's for Flood/Spot • 2 Red LED's for Night Vision

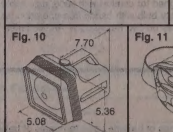
CLED2D: • 4 Super bright white LED's • Soft Touch Rubber Jacket for Body and Lens Hood • New Reflector and Lens • Modern Styling and Colors

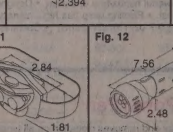
5109IND: • Large Reflector for Bright Beam • Weatherproof • Floats

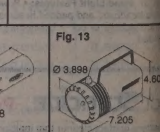


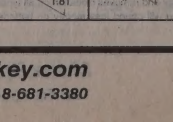












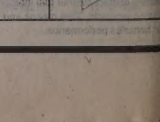


Fig.	Description	Power Source	Lamp Output	Weight Without Batteries Oz. (g)	Digi-Key Part No.	Price Each	Energizer Part No.
1	Hard Case Lantern	4 D	84 Lumens	42.4 (1200)	N501-ND	21.50	TUF4D1H
2	Hard Case	2 D	16.5 Lumens	17.7 (500)	N502-ND	19.99	TUF2D1H
2	Hard Case	4 AA	16.5 Lumens	11.9 (336)	N503-ND	16.99	TUF4AA1H
3	LED Hard Case	2 AA*	5.6 Candela	4.1 (116)	N504-ND	15.36	TUF2AA1E
4	3 LED Head Beam	3 AAA*	5.6 Candela	1.6 (44)	N505-ND	18.30	HD33A1EN
5	Head Beam	4 AA*	51 Lumens	9.9 (283)	N506-ND	14.30	F420WB-A
6	Swivel head	4 AA*	16.5 Lumens	6.4 (181)	N507-ND	11.08	IN421WB-E
7	Industrial Rubber	2 D	16.5 Lumens	5.3 (148)	N508-ND	8.10	4250IND
8	Contractor	2 AA*	7 Lumens	4.0 (113)	N509-ND	7.52	K220WB-E
9	Pen Light	2 AAA*	5.5 Lumens	0.3 (8.8)	N510-ND	4.20	P211-1ACS
10	Industrial Lantern	Lantern	51 Lumens	16.8 (475)	N511-ND **NEW!**	12.58	451
11	6 LED Head Beam	3 AAA*	5.6 Candela	1.6 (46)	N512-ND **NEW!**	22.16	HDL33A2
12	4 LED	2 D*	5.6 Candela	5.3 (150)	N513-ND **NEW!**	20.26	CLED2D
13	Industrial Lantern	Lantern	28.5 Lumens	7.7 (220)	N514-ND **NEW!**	4.30	5109IND

* Batteries included

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Sealed Lead-Acid Batteries (Valve Regulated)

NICAL FEATURES: "DO NOT LEAK!!"

ed Construction: BB unique construction and sealing technique ensures e electrolyte leakage should occur from the terminals or case. They are ted as "Non-Spillable" and meet all requirements of the International Air port Association (I.A.T.A.) and D.O.T.

ctrolyte Suspension System: All BB batteries utilize an electrolyte nsion system consisting of a glass fibre separator material. This sus- on system helps to achieve maximum service life, by fully retaining the olyte and preventing its escape from the separator material. No silica gels er contaminants are used.

ntenance Free Operation: During the life of BB batteries, there is no need ck their specific gravity or add water etc. In fact, there are no provisions for maintenance functions to be carried out.

ration In Any Orientation: The combination of sealed construction and electrolyte suspension system permits operation of BB batteries in any ation, but upside-down charging should be avoided. Battery will not lose its ity, electrolyte, or service life under any orientation.

Pressure Venting System: BB batteries are equipped with a safe, low pressure venting system, which is designed to release excess gas and reseal automatically in the event of the internal gas pressure rising to an unacceptable level. This low pressure venting system, coupled with the significantly high recombination efficiency, make BB batteries one of the safest valve regulated lead acid batteries available.

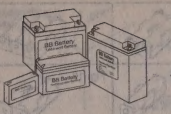
• Heavy Duty Grids: The heavy duty lead calcium alloy grids in BB batteries provide an extra margin of performance and service life in both float and cyclic applications, even in conditions of deep discharge.

The manufacturer suggests peak charging all sealed lead acid batteries before use and intermittently during storage.

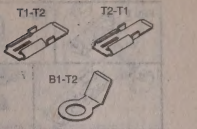
• U.L. Component Recognition: U.L. Component Recognition under UL1989, requires that the battery safely vent when overcharged. It further requires that the equipment and battery be submitted together for formal UL approval.

Digi-Key® is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.

CROSS REFERENCE ABBREVIATIONS:
EP = Eagle-Picher; YU = Yuasa; PS = Power Sonic; CS = CSB; PA = Panasonic



Terminal Adapters



Terminal Adapters

Description	Digi-Key Part No.	Price Each	BB Part No.
0.187 Terminal – 0.250 Terminal	522-1019-ND	.30	T1-T2
0.250 Terminal – 0.187 Terminal	522-1020-ND	.30	T2-T1
Nut/Bolt Terminal – 0.250 Terminal	522-1021-ND	.30	B1-T2

Cap. 20h Rate (Ah)	Dimensions – Inch (mm) L x W x H	Terminal Type (Inch)	Weight* lbs. (kg)	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing Carton	BB Part No.	BB Replacement Battery Cross Reference (see above for mfg. abbreviations)
				BP Series — General Use					
1.2	3.82 x 0.98 x 2.01 (97 x 25 x 51)	.187 spade	0.66 (.30)	522-1000-ND	5.74	51.00	245.44/55	BP1.2-6-T1	EP: CF-6V1.3; YU: NP1.2-6; PS: PS-612; CS: GP612; PA: LC-R061R3P, LCR6V1.3P
3.0	5.28 x 1.34 x 2.36 (134 x 34 x 60)	.187 spade	1.43 (.65)	522-1001-ND	6.19	—	99.00/18	BP3-6-T1	EP: CF-6V3.4; YU: NP3-6; PS: PS-630; CS: GP630; PA: LC-R063R4P, LCR6V3.4P
4.5	2.76 x 1.89 x 4.02 (70 x 48 x 102)	.187 spade	2.09 (.95)	522-1002-ND	7.13	—	93.83/16	BP5-6-T1	EP: CF-6V4.5; YU: NP4-6; PS: PS-640; CS: GP645; PA: LC-R064R2P, LCR6V4P
7.0	5.94 x 1.34 x 3.70 (151 x 34 x 94)	.187 spade	2.87 (1.3)	522-1003-ND	9.83	—	97.01/12	BP7-6-T1	EP: CF-6V7(A); YU: NP7-6(A); PS: PS-670F1; CS: GP672F1; PA: LC-R067R2P, LCR6V7.2P
7.0	5.94 x 1.34 x 3.70 (151 x 34 x 94)	.250 spade	2.87 (1.3)	522-1004-ND	12.29	—	121.21/12	BP7-6-T2	EP: CF-6V7(C); YU: NP7-6(D); PS: PS-670F2; CS: GP672F2; PA: LC-R067R2P1, LCR6V7.2P1
12.0	5.94 x 1.97 x 3.70 (151 x 50 x 94)	.187 spade	4.52 (2.05)	522-1005-ND	12.89	—	84.80/8	BP12-6-T1	EP: CF-6V12(A); YU: NP12-6(A); PS: PS-6100F1; CS: GP6120F1; PA: LC-R0612P, LCR6V12P
12.0	5.94 x 1.97 x 3.70 (151 x 50 x 94)	.250 spade	4.52 (2.05)	522-1006-ND	12.89	—	84.80/8	BP12-6-T2	EP: CF-6V12(C); YU: NP12-6(D); PS: PS-6100F2; CS: GP6120F2; PA: LC-R0612P1, LCR6V12P1
2.1	3.82 x 1.77 x 2.09 (97 x 45 x 53)	.187 spade	1.30 (.59)	522-1007-ND	8.78	72.15	204.75/30	BP2.1-12-T1	EP: CF-12V1.3; YU: NP2.1-12; PS: PS-1212; CS: GP1212; PA: LC-R121R3P, LCR12V1.3P
2.3	7.01 x 1.34 x 2.36 (178 x 34 x 60)	.187 spade	2.07 (.94)	522-1008-ND	10.15	—	150.18/18	BP2.3-12-T1	EP: CF-12V2; YU: NP2.3-12; PS: PS-1220; CS: GP1222; PA: LC-R122R2P, LCR12V2.2P
3.0	5.28 x 2.64 x 2.36 (134 x 67 x 60)	.187 spade	2.87 (1.30)	522-1009-ND	12.29	—	101.01/10	BP3-12-T1	EP: CF-12V3; YU: NP2.6-12; PS: PS-1230; CS: GP1234; PA: LC-R123R4P, LCR12V3.4P
5.0	3.54 x 2.76 x 4.02 (90 x 70 x 102)	.187 spade	4.10 (1.86)	522-1022-ND	12.74	—	83.77/8	BP5-12-T1	EP: CF-12V4.5(A); YU: NP5-12(A); PS: PS-1250F1; CS: GP1245F1; PA: LC-R125P, LCR12V5P
5.0	3.54 x 2.76 x 4.02 (90 x 70 x 102)	.250 spade	4.10 (1.86)	522-1010-ND	12.74	—	83.77/8	BP5-12-T2	EP: CF-12V4.5(C); YU: NP5-12(D); PS: PS-1250F2; CS: GP1245F2; PA: LC-R125P1, LCR12V5P1
7.0	5.94 x 2.56 x 3.66 (151 x 65 x 93)	.187 spade	5.73 (2.60)	522-1011-ND	16.13	—	79.59/6	BP7-12-T1	EP: CF-12V7.2(A); YU: NP7-12(A); PS: PS-1270F1; CS: GP1272F1; PA: LC-R127R2P, LCR12V7.2P
7.0	5.94 x 2.56 x 3.66 (151 x 65 x 93)	.250 spade	5.73 (2.60)	522-1012-ND	16.13	—	79.59/6	BP7-12-T2	EP: CF-12V7.2(C); YU: NP7-12(D); PS: PS-1270F2; CS: GP1272F2; PA: LC-R127R2P1, LCR12V7.2P1
12	5.94 x 3.86 x 3.70 (151 x 98 x 94)	.250 spade	8.89 (4.03)	522-1013-ND	23.67	—	77.85/4	BP12-12-T2	EP: CF-12V12; YU: NP12-12; PS: PS-12120; CS: GP12120; PA: LC-RA12P1, LCR12V12PF
17	7.13 x 2.99 x 6.54 (181 x 76 x 166)	nut/bolt	13.6 (6.15)	522-1014-ND	26.92	230.70	—	BP17-12-B1	EP: CF-12V17; YU: NP18-12; PS: PS-12180; CS: GP12170; PA: LC-RD1217P, LCR12V17
20	7.13 x 2.99 x 6.54 (181 x 76 x 166)	nut/bolt	14.0 (6.35)	522-1026-ND ***NEW!***	31.36	268.80	—	BP20-12-B1	CS: GP12200; PS: PSH-12180
28	6.89 x 6.54 x 4.92 (175 x 166 x 125)	nut/bolt	21.2 (9.6)	522-1015-ND	40.46	346.80	—	BP28-12-B1	EP: CF-12V26; YU: NP24-12; PS: PS-12260; CS: GP12260
33	7.68 x 5.08 x 7.05 (195 x 129 x 179)	nut/bolt	24.8 (11.3)	522-1016-ND	53.22	456.15	—	BP33-12S-B7	EP: CF-12V33U1; PS: PS-12330; CS: GP12340; PA: LC-R1233P, LCR12V33
40	7.76 x 6.50 x 6.73 (197 x 165 x 171)	nut/bolt	31.5 (14.3)	522-1017-ND	62.35	534.45	—	BP40-12-B2	EP: CFR-12V38; YU: NP38-12; PS: PS-12400; CS: GP12400; PA: LC-X1242P
65	13.78 x 6.54 x 6.85 (350 x 166 x 174)	nut/bolt	54.0 (24.5)	522-1018-ND	100.17	858.60	—	BP65-12-B2-2	EP: CFR-12V65; YU: NP65-12; PS: PS-12750; CS: GP12650; PA: LC-X1265P, LCR12V65P
				EB Series — Mobility Use					
50.0	7.76 x 6.50 x 6.73 (197 x 165 x 171)	nut/post	36.38 (16.5)	522-1028-ND ***NEW!***	91.63	785.40	—	EB50-12-i2	—
				HR Series — High Rate Use					
8.0†	5.94 x 2.56 x 3.70 (151 x 65 x 94)	.250 spade	6.06 (2.75)	522-1023-ND	25.61	—	126.32/6	HR9-12-T2	YU: NPX-L35; PS: PSH-1280F2; CS: HR1234WF2; PA: UP-RW1245P1, LC-R129P1, LCR129CH1
13.0†	5.94 x 3.86 x 3.86 (151 x 98 x 98)	.250 spade	9.25 (4.20)	522-1025-ND ***NEW!***	35.88	307.50	—	HR15-12-T2	CS: HR1251W
20.0†	7.13 x 2.99 x 6.54 (181 x 76 x 166)	nut/bolt	14.3 (6.50)	522-1027-ND ***NEW!***	47.74	409.20	—	HR22-12-B1	—
				MPL Series — High Rate, Long Life Standby Use					
53†	8.98 x 5.47 x 8.82 (228 x 139 x 224)	nut/bolt	39.2 (17.8)	522-1024-ND ***NEW!***	99.91	856.35	—	MPL55-12-B5	CS: GPL12520; PS: PG-12V55

* "Ordering Information" for note on shipping charges on prepaid orders. † Capacity at 10h rate (Ah)

anasonic Sealed Lead-Acid Batteries (Valve Regulated)

ERAL FEATURES: "DO NOT LEAK!!"

h Quality & High Reliability: The LCR battery has stable eliable capacity, 100% tested on line for voltage, capacity, eals. And all vents are 100% visually inspected during the ssembly process.

h Power Density: These batteries save installation space, providing full and reliable power for the equipment, and have been designed for rapid recharge, or for high power d.

k-resistant Structure: The LCR battery uses an absorbed rolyte system. The LCR batteries have exceptional leak rance, **and can be used in any position.**

g Service Life; Float or Cyclic: The LCR battery has long float or cyclic service.

• Easy Maintenance: There is no need to check the specific gravity of the electrolyte or to add water during the service life. Totally sealed, and needs only charging for maintenance.

• No Corrosive Gas Generation: There is no corrosive gas generation during normal use.

• Exceptional Deep Discharge Recovery: LCR batteries have exceptional deep discharge recovery and charge acceptance, even after deep or prolonged discharge.

• D.O.T and I.A.T.A. Approval: Transportation: The SLA batteries should be handled as common cargoes for both air and boat shipping.

• U.L. Component Recognition: U.L. Component Recognition under UL1989, requires that the battery safely vent when overcharged. It further requires that the equipment and battery be submitted together for formal UL approval. **(UL Component Recognition does NOT remove this requirement for complete package testing).** The manufacturer suggests peak charging all sealed lead acid batteries before use and intermittently during storage.

Digi-Key® is not approved by any state or federal agency as an authorized supplier of product for medical, life support or life sustaining devices or systems.

CROSS REFERENCE ABBREVIATIONS:
EP = Eagle-Picher; YU = Yuasa; PS = Power Sonic; PA = Panasonic

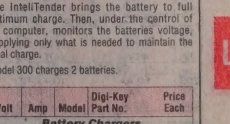
Cap. 20h Rate (Ah)	Dimensions – Inch (mm) L x W x H	Terminal Type (Inch)	Weight* lbs. (kg)	Digi-Key Part No.	Pricing 1	Pricing 10	Pricing Carton	Panasonic Part No.	Panasonic Replacement Battery Cross Reference (see above for mfg. abbreviations)
1.3	3.82 x 0.94 x 1.97 (97 x 24 x 50)	.187 spade	0.66 (.30)	P128-ND	9.04	80.36	281.25/40	LC-R061R3P	EP: CF-6V1.3; YU: NP1.2-6; PS: PS-612
3.4	5.28 x 1.34 x 2.36 (134 x 34 x 60)	.187 spade	1.37 (.62)	P166-ND	17.55	156.01	327.62/24	LC-R063R4P	EP: CF-6V3.4; YU: NP3-6; PS: PS-630
4.5	2.76 x 1.89 x 4.02 (70 x 48 x 102)	.187 spade	1.59 (.72)	P141-ND	9.19	83.50	180.38/24	LC-R064R5P	EP: CF-6V4.5; YU: NP4-6; PS: PS-640
7.2	5.95 x 1.34 x 3.70 (151 x 34 x 94)	.187 spade	2.78 (1.26)	P074-ND	14.58	—	143.86/12	LC-R067R2P	EP: CF-6V7(A); YU: NP7-6(A); PS: PS-670F1
12.0	5.95 x 1.97 x 3.70 (151 x 50 x 94)	.187 spade	4.30 (1.95)	P075-ND	17.48	—	172.49/12	LC-R0612P	EP: CF-6V12(A); YU: NP12-6(A); PS: PS-6100F1
12.0	5.95 x 1.97 x 3.70 (151 x 50 x 94)	.250 spade	4.30 (1.95)	P165-ND	17.48	—	172.49/12	LC-R0612P1	EP: CF-6V12(C); YU: NP12-6(D); PS: PS-6100F2
1.3	3.82 x 1.87 x 1.97 (97 x 47.5 x 50)	.187 spade	1.30 (.59)	P284-ND	19.07	169.51	296.65/20	LC-R121R3P	EP: CF-12V1.3; YU: NP1.2-12; PS: PS-1212
2.2	6.97 x 1.34 x 2.36 (177 x 34 x 60)	.187 spade	1.76 (.80)	P171-ND	21.97	195.33	410.19/24	LC-R122R2P	EP: CF-12V2; YU: NP2.3-12; PS: PS-1220
3.4	5.28 x 2.64 x 2.36 (134 x 67 x 60)	.187 spade	2.65 (1.20)	P172-ND	28.17	—	262.92/12	LC-R123R4P	EP: CF-12V3; YU: NP2.6-12; PS: PS-1230
7.2	5.95 x 2.54 x 3.70 (151 x 64.5 x 94)	.187 spade	5.45 (2.47)	P078-ND	22.12	—	172.03/10	LC-R127R2P	EP: CF-12V7.2(A); YU: NP7-12(A); PS: PS-1270F1
7.2	5.95 x 2.54 x 3.70 (151 x 64.5 x 94)	.250 spade	5.45 (2.47)	P218-ND	22.12	—	172.03/10	LC-R127R2P1	EP: CF-12V7.2(C); YU: NP7-12(D); PS: PS-1270F2
12	5.95 x 3.86 x 3.70 (151 x 98 x 94)	.250 spade	8.41 (3.8)	P230-ND	36.41	—	169.89/6	LC-RA1212P1	EP: CF-12V12; YU: NP12-12; PS: PS-12120
17	7.13 x 2.99 x 6.58 (181 x 76 x 167)	nut/bolt	14.3 (6.5)	P174-ND	40.67	—	139.44/4	LC-RD1217P	EP: CF-12V17; YU: NP18-12; PS: PS-12180
20	7.13 x 2.99 x 6.58 (181 x 76 x 167)	nut/bolt	14.6 (6.6)	P231-ND	47.36	—	162.36/4	LC-X1220P	—
28	6.50 x 4.92 x 7.07 (165 x 125 x 179.5)	nut/bolt	24.3 (11)	P049-ND	61.78	529.50	—	LC-X1228P	PA: LCXB1228P
33	7.70 x 5.12 x 7.09 (195.5 x 130 x 180)	nut/bolt	26.5 (12)	P259-ND	63.32	542.70	—	LC-R1233P	EP: CF-12V33U1; PS: PS-12330; PA: LCR12V33

Cap. @ 10 Minute Rate (watt/cell)	Dimensions — Inch (mm) L x W x H	Terminal Type (Inch)	Weight Lbs. (kg)	Digi-Key Part No.	Pricing 1	Pricing Carton	Panasonic Part No.	Panasonic Replacement Battery Cross Reference
		Watt-Rated Series (Designed for UPS Back-up Systems)						
20W	5.51 x 1.52 x 3.70 (140 x 38.5 x 94)	.250 spade	2.98 (1.35)	P210-ND	20.48	202.02/12	UP-RW1220P1	—
45W	5.95 x 2.54 x 3.70 (151 x 64.5 x 94)	.250 spade	5.62 (2.55)	P225-ND	25.43	209.05/10	UP-RW1245P1	PA: LC-R129P1, PA: LC-R129CH1

* "Ordering Information" for note on shipping charges on prepaid orders.

PATCO Battery Charger/ Maintainer

INTELITENDER MODELS 150 & 300



The InteliTender brings the battery to full optimum charge. Then, under the control of its computer, monitors the batteries voltage, supplying only what is needed to maintain the ideal charge.

Model 300 charges 2 batteries.

Volt	Amp	Model	Digi-Key Part No.	Price Each
			Battery Chargers	
6	.75	150	PATC-02-ND*	69.93
6	1.5	150	PATC-01-ND†	69.93
12	.75	150	PATC-04-ND*	69.93
12	1.5	150	PATC-03-ND†	69.93
12 x 2	1.5 x 2	300	PATC-08-ND†	124.88
			Cable (Must Order Separately)	
Battery Hook-up, Spring Clamp			PATC-07-ND	7.49
Motorcycle Hook-up, Ring Lugs			PATC-06-ND	5.00
Marine Hook-up, Ring Lugs			PATC-05-ND	5.00

* Recommended for 2.0 to 3.4 Ah batteries.
† Recommended for 4.0 Ah & above batteries.

Battery Clips, Contacts and Holders

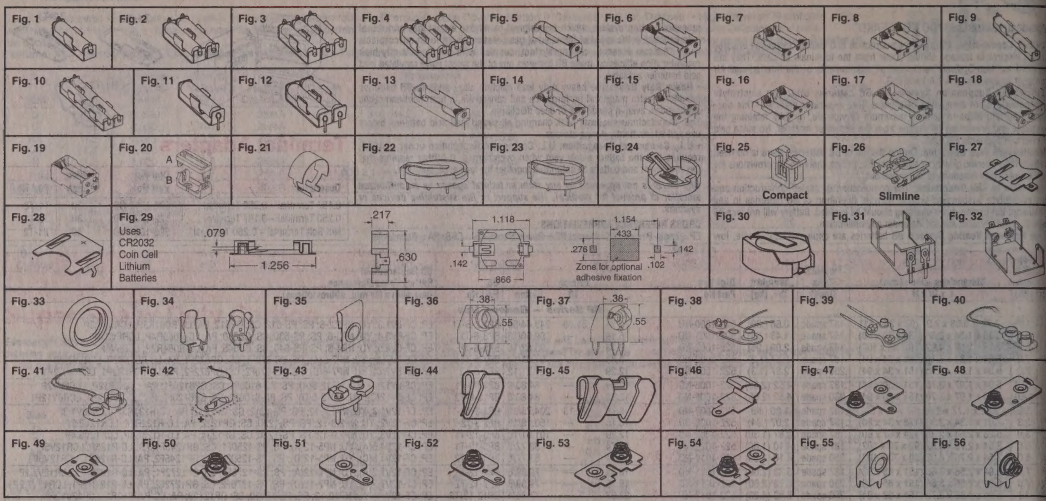


Fig.	Description	Digi-Key Part No.	Price Each 1	10	100
	"N" Cell Holders*				
1	1 Cell	154K-ND	1.88	1.75	1.00
2	2 Cell	155K-ND	3.33	3.11	2.06
3	3 Cell	156K-ND	6.90	6.44	4.10
	"AAA" Cell Holders*				
1	1 Cell	137K-ND	2.13	1.97	1.22
2	2 Cell	138K-ND	3.48	3.26	2.23
3	3 Cell	169K-ND	5.10	4.76	3.02
4	4 Cell	170K-ND	6.96	6.50	4.15
	"AAA" Cell Holders - PC Mount††				
5	1 Cell	2466K-ND	1.02	.90	.71
6	2 Cell	2468K-ND	1.06	.93	.74
7	3 Cell	2479K-ND	1.24	1.16	.99
8	4 Cell	2481K-ND	1.36	1.27	1.09
	"AAA" Cell Holders - 6" Wire Leads††				
5	1 Cell	2467K-ND	1.02	.90	.71
6	2 Cell	2469K-ND	1.06	.93	.74
7	3 Cell	2480K-ND	1.24	1.16	.99
8	4 Cell	2482K-ND	1.36	1.27	1.09
	"AA" Cell Holders*				
1	1 Cell	139K-ND	1.49	1.39	.79
2	2 Cell	140K-ND	2.79	2.58	1.60
3	3 Cell	171K-ND	4.09	3.82	2.42
4	4 Cell	182K-ND	5.80	5.42	3.60
9	2 Cell	189K-ND	2.35	2.17	1.39
10	4 Cell	192K-ND	3.93	3.68	2.30
11	1 Cell	2222K-ND	1.87	1.74	1.06
12	2 Cell	2223K-ND	2.96	2.74	1.78
	"AA" Cell Holders - PC Mount††				
13	1 Cell	2460K-ND	1.02	.90	.71
14	2 Cell	2462K-ND	1.06	.93	.74
15	3 Cell	2464K-ND	1.24	1.16	.99
16	4 Cell	2477K-ND	1.36	1.27	1.09
	"AA" Cell Holders - 6" Wire Leads††				
13	1 Cell	2461K-ND	1.02	.90	.71
14	2 Cell	2463K-ND	1.06	.93	.74
15	3 Cell	2465K-ND	1.24	1.16	.99
16	4 Cell	2476K-ND	1.36	1.27	1.09
	"AA" Cell Holders - with Snap-On Connector††				
17	2 Cell	2474K-ND	1.06	.93	.74
18	3 Cell	2475K-ND	1.24	1.16	.99
19	4 Cell	2476K-ND	1.36	1.27	1.09
	Cell Lithium Holders - PC Mount††				
20B	1/2 AA	108KK-ND	1.44	1.34	.73
20B	AA	1028K-ND	1.44	1.34	.73
20B	2/3 A	1029K-ND	1.44	1.34	.73
	Cell Lithium Retaining Cover††				
20A	1/2 AA	108CK-ND	.43	.41	.39
20A	AA	1028CK-ND	.64	.57	.45
21	2/3 A	1029CK-ND	.61	.54	.43
	"C" Cell Holders*†				
1	1 Cell	179K-ND	1.83	1.70	.97
2	2 Cell	174K-ND	2.96	2.73	1.69
3	3 Cell	187K-ND	6.17	4.63	3.62
9	2 Cell	185K-ND	2.60	2.40	1.49
10	4 Cell	196K-ND	4.57	4.27	2.92
11	1 Cell	2224K-ND	1.91	1.78	1.02
12	2 Cell	2225K-ND*	3.17	2.93*	1.82
	"D" Cell Holders*†				
1	1 Cell	175K-ND	1.96	1.82	1.10
2	2 Cell	176K-ND	3.45	3.19	1.97
3	3 Cell	190-ND	6.99	6.53	4.16
9	2 Cell	188K-ND	2.96	2.73	1.69
10	4 Cell	200K-ND	5.52	5.16	3.57
11	1 Cell	2226K-ND	2.45	2.27	1.39
12	2 Cell	2227K-ND	3.58	3.35	2.22

Fig.	Description	Digi-Key Part No.	Price Each 1	10	100
	24mm Coin Cell Lithium "PC" Holders				
22	1 Cell	105K-ND	1.47	1.37	.85
22	1 Cell	1025-7K-ND	1.62	1.51	.93
23	2 Cell	1025K-ND	1.62	1.51	.93
	20mm Coin Cell Lithium "PC" Holders				
22	1 Cell	106K-ND	1.47	1.37	.85
22	1 Cell	103K-ND	1.47	1.37	.85
23	2 Cell	1026K-ND	1.62	1.51	.93
	23mm Coin Cell Lithium "PC" Holders				
22	1 Cell	107K-ND	1.47	1.37	.85
23	2 Cell	1027K-ND	1.62	1.51	.93
	12mm Coin Cell Lithium "PC" Holders				
22	1 Cell	500K-ND	1.19	1.04	.65
23	2 Cell	501K-ND	1.87	1.74	1.51
	16mm Coin Cell Lithium "PC" Holders				
22	1 Cell	502KE-ND	1.47	1.37	.85
	20mm Coin Cell Holder				
24	1 Cell	1066K-ND	1.47	1.37	.85
	Vertical 20mm Coin Cell Holder				
25	1 Cell	1067K-ND	1.64	1.53	1.03
26	1 Cell	1065K-ND	1.64	1.53	1.03
	Surface Mount Coin Cell Retainer Contacts				
27	12mm	3000K-ND	.51	.45	.26
27	20mm	3002K-ND	.52	.46	.27
27	23mm	3004K-ND	.53	.47	.27
27	24mm	3006K-ND	.57	.51	.28
	Surface Mount Coin Cell Retainer Contact - Cut Tape				
27	1 Cell, 20mm	3002KCT-ND	.60	.35	.31
	Surface Mount Coin Cell Retainer Contacts - Tape & Reel				
27	1 Cell, 20mm	3002KTR-ND		186.00/500	
	Thru Hole Mount Coin Cell Retainer Contacts				
28	12mm	3001K-ND	.51	.45	.26
28	20mm	3003K-ND	.52	.46	.27
28	23mm	3005K-ND	.53	.47	.27
28	23mm	3011K-ND	.56	.49	.29
28	24mm	3007K-ND	.57	.51	.28
	Surface Mount Coin Cell Holder - Bulk				
29	1 Cell, 20mm	1060K-ND	1.47	1.37	.85
30	1 Cell, 20mm	1061K-ND	1.84	1.70	1.14
30	2 Cell, 20mm	1062K-ND	1.84	1.70	1.14
30	1 Cell, 23mm	1071K-ND	1.84	1.70	1.14
	Surface Mount Coin Cell Holder - Tape & Reel				
29	1 Cell, 20mm	1060KTR-ND		443.00/500	
30	1 Cell, 20mm	1061KTR-ND		251.90/200	
30	2 Cell, 20mm	1062KTR-ND		251.90/200	
30	1 Cell, 23mm	1071KTR-ND		251.90/200	
	9 Volt Holders				
31	1 Cell	1294K-ND††	1.68	1.57	.91
32	1 Cell	1295K-ND††	1.62	1.51	.87
	Insulated Polarizing Washers				
33	Red	69K-ND	—	.11	.07
33	Black	60K-ND	—	.11	.07
	"AAA" Snap-In PC Battery Clip				
34	—	82K-ND•	.60/2	.29	.15
	"AA" Snap-In PC Battery Clip				
34	1 Cell	92K-ND•	.60/2	.29	.15
	"AAA", "N" Surface Mount Battery Clip				
34	1 Cell	55KCT-ND	.55	.32	.28
	"AAA", "N" Surface Mount Battery Clip - Tape & Reel				
34	1 Cell	55KTR-ND		78.00/300	

Fig.	Description	Digi-Key Part No.	Price Each 1	10	100
	"AAA", "AAAA", "N" Snap-IN Battery Contact				
35	—	238K-ND•	.32/2	.16	.11
	9 Volt "PC" Snap-On Battery (on board battery mount)				
36	Male	593K-ND	.44	.42	.23
37	Female	594K-ND	.50	.44	.28
	9 Volt Battery Straps				
38	Single	72K-ND	1.17	1.09	.63
39	Dual	227K-ND	2.57	2.38	1.47
	Premium 9 Volt Battery Straps (I-Style)				
40	Single, 4"	2238K-ND	.85	.75	.60
40	Single, 6"	2239K-ND	.79	.70	.56
40	Single, 8"	2240K-ND	.81	.71	.57
	Premium 9 Volt Battery Straps (T-Style)				
41	Single, 4"	2241K-ND	.63	.56	.44
41	Single, 6"	2242K-ND	.65	.57	.46
41	Single, 8"	2243K-ND	.89	.78	.62
	Economy 9 Volt Battery Straps (I-Style)				
40	Single, 4"	232K-ND	.42	.40	.28
40	Single, 6"	233K-ND	.43	.41	.29
40	Single, 8"	234K-ND	.44	.41	.29
	Economy 9 Volt Battery Straps (T-Style)				
41	Single, 4"	235K-ND	.45	.43	.30
41	Single, 6"	236K-ND	.44	.39	.31
41	Single, 8"	237K-ND	.44	.39	.31
	Shielded 9 Volt Battery Straps (I-Style)				
42	Single, 4"	84-4K-ND	.48	.41	.33
42	Single, 6"	84-6K-ND	.48	.42	.34
42	Single, 8"	84-8K-ND	.49	.43	.34
	Shielded 9 Volt Battery Straps (T-Style)				
42	Single, 4"	81-4K-ND	.46	.41	.33
42	Single, 6"	81-6K-ND	.48	.42	.34
42	Single, 8"	81-8K-ND	.49	.43	.34
	Vertical "9V" PC Snap-On Connector				
43	—	968K-ND	.77	.67	.56
	Single "AA" Cell Contacts				
44	—	203K-ND•	.47/2	.23	.16
	Dual "AA" Cell Contacts				
45	—	210K-ND•	.71/2	.34	.23
	"AAA" Snap-On Contacts				
44	—	204K-ND•	.47/2	.23	.16
45	—	202K-ND•	.71/2	.34	.23
	"A", "AA" "9V" Spring Contacts				
46	—	5209K-ND	—	.40	.32
	"A", "AA" Battery Contacts				
47	Dual w/tabs	5211K-ND	—	.32	.23
48	Dual	5212K-ND	—	.39	.28
49	(+) Button	5224K-ND	—	.13	.09
50	(-) Spring	5202K-ND	—	.24	.17
51	(+) Button w/tabs	5223K-ND	—	.13	.09
52	(-) Spring w/tabs	5201K-ND	—	.21	.15
	"AAA", "AAAA", "N" Battery Contacts				
49	(+) Button	5225K-ND	—	.09	.07
50	(-) Spring	5203K-ND	—	.32	.23
51	(+) Button w/tabs	5226K-ND	—	.13	.09
52	(-) Spring w/tabs	5204K-ND	—	.21	.15
53	Dual Left Side	5214K-ND	—	.29	.21
54	Dual Rt. Side	5213K-ND	—	.29	.21
	"A" PC Contacts				
55	(+) Button	595K-ND	—	.16	.12
56	(-) Spring	628K-ND	—	.73	.39
	"AA", "AAA", "N" PC Contacts				
55	(+) Button	637K-ND	—	.15	.11
56	(-) Spring	629K-ND	—	.73	.39

• Cell Holders are Aluminum †† Cell Holders are Plastic † "C" and "D" cell holders are dual clips only • Figs. 34, 35, 44 and 45 sold by the pai

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fications: • Operating Temperature: -10°C ~ 60/70°C by model (65%RH)
res: • Aerodynamic blade and venturi design • They are ideal when cooling a specific area that is nded by numerous components with minimum ventilation available.
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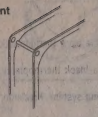
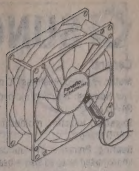
Rib Mount Type:

Flange Mount Type:





m. m) Thk.	Operating Voltage (VDC) Nom.	Range	Input Power (W)	Max. Air Flow (CFM)	Max. Air Pressure (mm H_2O)	Max. Noise (dB-A)	Lead Length (mm)	Bearing	Sensors	Mount Type	Digi-Key Part No.	Price Each 1	5	10	Panasonic Part No.	Finger Guards	Price Each
	5	4.5-5.5	0.625	2.0	.20	25.0	200	Ball	—	Rib	P12806-ND	12.75	10.97	9.44	1004KL01WB50B00	CR181-ND	.52
x10	12	8-13.8	0.72	2.0	.20	25.0	200	Ball	—	Rib	P12807-ND	12.75	10.97	9.44	1004KL04WB50B00	CR181-ND	.52
	12	8-13.8	0.72	2.0	.20	25.0	200	Ball	Lock Rotor	Rib	P13383-ND	13.38	11.51	9.90	1004KL04WB59B00	CR181-ND	.52
	5	4.5-5.5	0.90	3.8	.216	27.0	200	Ball	—	Rib	P12808-ND	13.75	11.83	10.18	1204KL01WB50B00	CR181-ND	.52
x10	5	4.5-5.5	0.90	3.8	.216	27.0	200	Ball	Lock Rotor	Rib	P13384-ND	14.38	12.37	10.64	1204KL01WB59B00	CR181-ND	.52
	12	6-13.8	0.96	3.8	.216	27.0	200	Ball	—	Rib	P12809-ND	13.75	11.83	10.18	1204KL04WB50B00	CR181-ND	.52
	12	6-13.8	0.96	3.8	.216	27.0	200	Ball	Lock Rotor	Rib	P13385-ND	14.38	12.37	10.64	1204KL04WB59B00	CR181-ND	.52
	5	4.5-5.5	1.05	5.6	.16	27.0	200	Ball	—	Rib	P12810-ND	13.00	11.18	9.62	1404KL01WB50B00	CR378-ND	.63
x10	12	8-13.8	0.96	5.6	.16	27.0	200	Ball	—	Rib	P12811-ND	13.00	11.18	9.62	1404KL04WB50B00	CR378-ND	.63
	12	8-13.8	0.96	5.6	.16	27.0	200	Ball	Lock Rotor	Rib	P13387-ND	13.88	11.94	10.27	1404KL04WB59B00	CR378-ND	.63
	5	4.5-5.5	0.775	6.0	.184	29.0	200	Ball	—	Rib	P12812-ND	11.25	9.68	8.33	1604KL01WB50B00	CR230-ND	.63
x10	5	4.5-5.5	0.775	6.0	.184	29.0	200	Ball	Lock Rotor	Rib	P13388-ND	11.88	10.22	8.79	1604KL01WB59B00	CR230-ND	.63
	12	10.2-13.8	0.876	5.3	.136	25.0	200	Ball	—	Rib	P12813-ND	11.25	9.68	8.33	1604KL04WB40B00	CR230-ND	.63
	12	10.2-13.8	0.876	6.0	.184	29.0	200	Ball	Lock Rotor	Rib	P13389-ND	11.88	10.22	8.79	1604KL04WB59B00	CR230-ND	.63
	5	4.5-5.5	0.600	6.0	3.70	28.0	200	Ball	—	Rib	P12814-ND	11.50	9.89	8.51	1606KL01WB30L00	CR230-ND	.63
	5	4.5-5.5	1.20	8.12	6.40	34.0	200	Ball	—	Rib	P12815-ND	11.50	9.89	8.51	1606KL01WB50L00	CR230-ND	.63
	5	4.5-5.5	1.20	8.1	.250	34.0	200	Ball	Lock Rotor	Rib	P13390-ND	12.13	10.43	8.98	1606KL01WB59L00	CR230-ND	.63
x15	12	10.2-13.8	0.804	6.0	3.70	28.0	200	Ball	—	Rib	P12816-ND	11.50	9.89	8.51	1606KL04WB30L00	CR230-ND	.63
	12	10.2-13.8	1.02	8.12	6.40	34.0	200	Ball	—	Rib	P12817-ND	11.50	9.89	8.51	1606KL04WB50L00	CR230-ND	.63
	12	10.2-13.8	1.02	8.1	.250	34.0	200	Ball	Lock Rotor	Rib	P13391-ND	12.13	10.43	8.98	1606KL04WB59L00	CR230-ND	.63
	24	22.0-25.2	1.488	8.1	.250	34.0	200	Ball	Lock Rotor	Rib	P13392-ND	12.13	10.43	8.98	1606KL05WB59L00	CR230-ND	.63
	5	4.5-5.5	0.35	4.9	.08	20.0	200	Ball	—	Rib	P12818-ND	11.63	10.00	8.61	1608KL01WB10L00	CR230-ND	.63
	5	4.5-5.5	1.90	9.5	.28	33.0	200	Ball	—	Rib	P12819-ND	11.63	10.00	8.61	1608KL01WB50L00	CR230-ND	.63
	5	4.5-5.5	1.90	9.5	.28	33.0	200	Ball	Lock Rotor	Rib	P13393-ND	12.25	10.54	9.07	1608KL01WB59L00	CR230-ND	.63
	5	4.5-6.0	0.60	3.9	2.50	24.0	300	Ball	—	Rib	P9700-ND	15.00	12.90	11.10	FBK04F05L	CR230-ND	.63
	5	4.5-6.0	1.40	6.7	6.60	33.0	300	Ball	—	Rib	P9701-ND	15.00	12.90	11.10	FBK04F05H	CR230-ND	.63
	12	7.0-13.8	1.80	6.7	6.60	32.0	300	Ball	Lock Rotor	Rib	P11081-ND	15.25	13.12	11.29	FBK04F12HS	CR230-ND	.63
	12	7.0-13.8	2.04	9.2	12.00	42.0	300	Ball	—	Rib	P9723-ND	15.00	12.90	11.10	FBK04F12U	CR230-ND	.63
	12	7.0-13.8	2.04	9.2	12.00	42.0	300	Ball	Lock Rotor	Rib	P9994-ND	14.88	12.80	11.01	FBK04F12US	CR230-ND	.63
	12	7.0-13.8	1.80	6.7	6.60	32.0	300	Ball	—	Rib	P9703-ND	15.00	12.90	11.10	FBK04F12H	CR230-ND	.63
0x20	12	7.0-13.8	0.90	3.9	2.50	23.0	300	Ball	—	Rib	P9702-ND	15.00	12.90	11.10	FBK04F12L	CR230-ND	.63
	12	10.2-13.8	0.48	4.9	.08	20.0	200	Ball	—	Rib	P12820-ND	11.63	10.00	8.61	1608KL04WB10L00	CR230-ND	.63
	12	10.2-13.8	1.32	9.5	.28	33.0	200	Ball	—	Rib	P12821-ND	11.63	10.00	8.61	1608KL04WB50L00	CR230-ND	.63
	12	10.2-13.8	1.32	9.5	.28	33.0	200	Ball	Lock Rotor	Rib	P13394-ND	12.25	10.54	9.07	1608KL04WB59L00	CR230-ND	.63
	24	14.0-27.6	2.40	9.2	12.00	42.0	300	Ball	—	Rib	P9762-ND	15.00	12.90	11.10	FBK04F24U	CR230-ND	.63
	24	14.0-27.6	2.21	6.7	6.60	33.0	300	Ball	—	Rib	P9704-ND	15.00	12.90	11.10	FBK04F24H	CR230-ND	.63
	24	20.0-25.2	0.96	4.9	.08	20.0	200	Ball	—	Rib	P12822-ND	11.63	10.00	8.61	1608KL05WB10L00	CR230-ND	.63
	24	20.0-25.2	1.92	9.5	.28	33.0	200	Ball	—	Rib	P12823-ND	11.63	10.00	8.61	1608KL05WB50L00	CR230-ND	.63
	24	20.0-25.2	1.92	9.5	.28	33.0	200	Ball	Lock Rotor	Rib	P13395-ND	12.25	10.54	9.07	1608KL05WB59L00	CR230-ND	.63
	5	4.5-8.0	1.50	10.2	.14	34.0	200	Ball	—	Rib	P12824-ND	11.00	9.46	8.14	2004KL01WB50B00	CR379-ND	.83
5	4.5-8.0	1.50	10.2	.14	34.0	200	Ball	Lock Rotor	Rib	P13396-ND	11.63	10.00	8.61	2004KL01WB59B00	CR379-ND	.83
0x10	12	10.2-13.8	1.20	10.2	.14	34.0	200	Ball	—	Rib	P12825-ND	11.00	9.46	8.14	2004KL04WB50B00	CR379-ND	.83
	12	10.2-13.8	1.20	10.2	.14	34.0	200	Ball	Lock Rotor	Rib	P13397-ND	11.63	10.00	8.61	2004KL04WB59B00	CR379-ND	.83
	12	10.2-13.0	1.56	14.1	.14	30.0	200	Ball	—	Rib	P12826-ND	11.00	9.46	8.14	2106KL04WB50L00	CR388-ND	.57
2x15	12	10.2-13.0	1.56	14.1	.14	30.0	200	Ball	Lock Rotor	Rib	P13398-ND	11.75	10.11	8.70	2106KL04WB59L00	CR388-ND	.57
	12	7.0-13.8	0.48	6.7	.03	19.0	200	Ball	—	Rib	P12827-ND	11.13	9.57	8.24	2406KL04WB10L00	CR221-ND	.65
	12	6.0-13.8	1.92	18.3	.20	34.0	200	Ball	—	Rib	P12828-ND	11.13	9.57	8.24	2406KL04WB50L00	CR221-ND	.65
	12	6.0-13.8	1.92	18.3	.20	34.0	200	Ball	Lock Rotor	Rib	P13399-ND	11.75	10.11	8.70	2406KL04WB59L00	CR221-ND	.65
	12	7-13.8	1.74	16.6	4.75	32.0	325	Hydrovave	—	Rib	P9725-ND	10.00	8.60	7.40	FBA06T12H	CR221-ND	.65
0x15	12	7-13.8	1.74	16.6	4.75	32.0	325	Hydrovave	Lock Rotor	Rib	P9996-ND	10.00	8.60	7.40	FBA06T12HS	CR221-ND	.65
	12	7-13.8	1.06	12.0	2.80	24.0	325	Hydrovave	—	Rib	P9724-ND	10.00	8.60	7.40	FBA06T12L	CR221-ND	.65
	24	10.0-27.6	2.40	18.3	.20	34.0	200	Ball	—	Rib	P12829-ND	11.13	9.57	8.24	2406KL05WB50L00	CR221-ND	.65
	24	14-27.6	1.99	16.6	4.75	32.0	325	Hydrovave	—	Rib	P9727-ND	10.00	8.60	7.40	FBA06T24H	CR221-ND	.65
	24	14-27.6	1.34	12.0	2.80	24.0	325	Hydrovave	—	Rib	P9726-ND	10.00	8.60	7.40	FBA06T24L	CR221-ND	.65
	12	6.0-13.8	0.60	10.9	.07	22.5	300	Ball	—	Rib	P12830-ND	11.25	9.68	8.33	2408NL04WB10L00	CR221-ND	.65
	12	6.0-13.8	1.32	17.6	.16	31.5	300	Ball	—	Rib	P12831-ND	11.25	9.68	8.33	2408NL04WB50L00	CR221-ND	.65
	12	6.0-13.8	1.32	17.6	.16	31.5	300	Ball	Lock Rotor	Rib	P13400-ND	11.88	10.22	8.79	2408NL04WB59L00	CR221-ND	.65
0x20	12	6.0-13.8	1.32	17.6	.16	31.5	300	Ball	Lock Rotor	Flange	P13402-ND	11.88	10.22	8.79	2408NL04WB59P00	CR221-ND	.65
	24	15.0-27.6	1.20	15.9	.13	29.0	300	Ball	—	Rib	P12832-ND	11.25	9.68	8.33	2408NL05WB40L00	CR221-ND	.65
	24	15.0-27.6	1.32	17.6	.16	31.5	300	Ball	Lock Rotor	Rib	P13401-ND	11.88	10.22	8.79	2408NL05WB59L00	CR221-ND	.65
	12	6.0-13.8	0.90	13.7	.08	23.0	300	Ball	—	Rib	P12833-ND	10.88	9.36	8.05	2410ML04WB10B00	CR221-ND	.65
	12	6.0-13.8	2.04	21.5	.20	33.5	300	Ball	—	Rib	P12834-ND	10.88	9.36	8.05	2410ML04WB40B00	CR221-ND	.65
	12	6.0-13.8	1.80	24.0	.20	33.5	300	Ball	Lock Rotor	Rib	P13403-ND	8.38	7.21	6.20	2410RL04WB59C00	CR221-ND	.65
	12	6.0-13.8	3.24	28.5	.27	38.0	300	Ball	Lock Rotor	Rib	P13404-ND	8.38	7.21	6.20	2410RL04WB79C00	CR221-ND	.65
0x25	12	6.0-13.2	6.20	37.0	.57	46.0	300	Ball	Tac	Flange	P13406-ND	11.50	9.89	8.51	2410ML04WB89E50	CR221-ND	.65
	24	10.0-27.6	2.40	23.3	.25	36.5	300	Ball	—	Rib	P12835-ND	10.88	9.36	8.05	2410ML05WB50B00	CR221-ND	.65
	24	10.0-27.6	4.80	28.5	.27	38.0	300	Ball	Lock Rotor	Rib	P13405-ND	8.38	7.21	6.20	2410RL05WB79C00	CR221-ND	.65
	24	10.0-26.4	8.16	34.59	14.59	50.0	300	Ball	Tac	Flange	P13407-ND	11.50	9.89	8.51	2410ML05WB89E50	CR221-ND	.65
	24	10.0-26.4	8.16	34.59	12.24	50.0	300	Ball	—	Flange	P13483-ND ***NEW!***	7.50	6.45	5.55	2410ML05WB80E00	CR221-ND	.65

SUNON Thin Cooling Fans

General

Motor: Patented brushless DC motor design
Fan Housing: Injection molded non-flammable black thermoplastic UL 94V-0 rating
Impeller: Injection molded non-flammable black thermoplastic UL 94V-0 rating
Bearing: Precision, life-lubricated ball bearing system; Precision, oil-impregnated sintered sleeve bearing system
Insulation: Class E integral ground system rated @ 100°C
Insulation Resistance: More than 500M ohm between internal stator and lead wire (+) measured by DC 500V
Dielectric Strength: 500VAC for one minute
Safety Protection: Electronic locked rotor protected
Operating Temperature: -10°C ~ 70°C for sleeve bearing version; -10°C ~ 70°C for ball bearing version (fans)
Storage Temperature: -40°C ~ 70°C (fans); -20°C ~ 70°C (blowers)
Operating Voltage: Rated voltage ±15%
Life Expectancy: 30,000 hours

Fig. 1

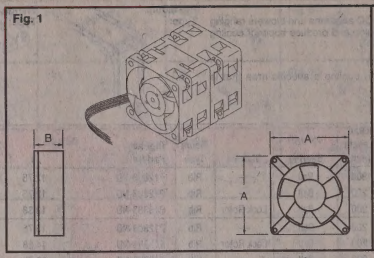
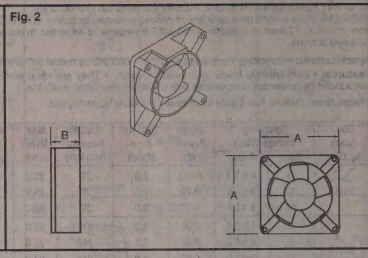


Fig. 2



Dim. (mm) A x B	Voltage (VDC)	Operating Voltage (VDC)	Bearing Type	Current (A)	Input (W)	Speed (RPM)	Air Flow (CFM)	Static Pressure (@ 1" or 25.4mm – H2O)	Noise Pressure (dBA)	Sensor	Digi-Key Part No.	Price Each 1	10	25	50	Sunon Part No.
Fig. 1 — Hi-Performance Dual Axial Fans																
40 x 48	12	5-13.8	Ball	1.40	16.8	14500/9500	27	1.97	61	—	259-1301-ND	30.60	23.55	22.05	20.74	PMD1204PJB1-A
				0.71	8.5	11500/8000	21.2	1.11	57	—	259-1302-ND	30.60	23.55	22.05	20.74	PMD1204PJB3-A
40 x 56	12	5-13.8	Ball	1.40	16.8	14500/9500	26.5	1.73	59	—	259-1303-ND	31.75	24.43	22.88	21.52	PMD1204PPB1-A(2)
Fig. 2 — Plastic Ultra-Thin Brushless Axial DC Fans																
17 x 8	5	3-6	Vapo	0.11	0.60	15000	0.70	0.17	16	—	259-1333-ND‡ ***NEW!***	15.23	12.72	11.91	11.20	GM0517PDV2-8.GN
		4-6	Ball	0.09	0.60	12000	0.80	0.12	25	—	259-1116-ND	19.24	14.52	13.60	12.79	KDE0517PDB2-8(2)V
20 x 8	5	4-6	Ball	0.11	1.00	15000	1.90	0.18	29	—	259-1081-ND	19.61	14.52	13.60	12.79	KDE0501PDB1-8(2)V
		3-6	Vapo	0.17	0.90	15000	1.60	0.22	23	—	259-1319-ND‡ ***NEW!***	14.38	12.01	11.25	10.58	GM0501PDV1-8.GN
		4-6	Ball	0.09	0.60	12000	1.60	0.15	26.5	—	259-1117-ND	19.61	14.52	13.60	12.79	KDE0501PDB2-8(2)V
		3-6	Vapo	0.11	0.60	12000	1.30	0.15	21	—	259-1320-ND‡ ***NEW!***	14.38	12.01	11.25	10.58	GM0501PDV2-8.GN
29 x 6	5	3-6	Vapo	0.11	0.60	13000	3.00	0.22	31	—	259-1322-ND‡ ***NEW!***	10.39	8.68	8.13	7.64	GM0502PEV1-8.N.GN
		3-6	Ball	0.11	0.60	11500	2.70	0.18	26	—	259-1187-ND	13.70	10.15	9.51	8.94	KDE0502PEB2-8(MS.N)
		3-6	Vapo	0.08	0.40	10000	2.20	0.16	23	—	259-1323-ND‡ ***NEW!***	10.39	8.68	8.13	7.64	GM0502PEV2-8.N.GN
30 x 6	5	4-6	Ball	0.11	0.90	9500	4.90	0.15	25	—	259-1119-ND	13.44	10.17	9.51	8.95	KDE0503PEB1-8(MS.N)
		3-6	Vapo	0.13	0.70	9500	4.9	0.14	28	—	259-1327-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0503PEV1-8.N.GN
		3-6	Ball	0.15	0.75	7500	4.3	0.08	24.5	—	259-1190-ND	13.44	10.17	9.51	8.95	KDE0503PEB2-8(MS.N)
		3-6	Vapo	0.08	0.40	7500	3.7	0.09	24	—	259-1328-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0503PEV2-8.N.GN
		3.5-6	Ball	0.07	0.35	5500	2.4	0.06	16.5	—	259-1191-ND	13.44	10.17	9.51	8.95	KDE0503PEB3-8(MS.N)
40 x 6	5	3-6	Vapo	0.09	0.50	7000	5.9	0.10	32	—	259-1331-ND‡ ***NEW!***	12.83	10.72	10.04	9.44	GM0504PEV1-8.GN
		3-6	Vapo	0.07	0.40	6000	5.5	0.08	26	—	259-1332-ND‡ ***NEW!***	12.83	10.72	10.04	9.44	GM0504PEV2-8.GN
		3-6	Ball	0.09	0.45	5000	4.5	0.06	23	—	259-1186-ND	13.29	10.18	9.52	8.94	KDE0504PEB3-8(MS)
Fig. 2 — Plastic Thin Brushless Axial DC Fans																
20 x 10	5	3-6	Vapo	0.18	0.9	14000	1.5	0.20	20	—	259-1321-ND‡ ***NEW!***	12.88	10.76	10.07	9.47	GM0501PFV2-8.N.GN
25 x 10	5	3-6	Vapo	0.12	0.6	13000	3.5	0.25	23	—	259-1265-ND	18.82	14.49	13.56	12.76	GM0502PFV1-8M
		3-6	Vapo	0.12	0.6	13000	3.5	0.25	23	Tac	259-1324-ND‡ ***NEW!***	17.34	14.49	13.56	12.76	GM0502PFV1-8.F.GN
		3-6	Vapo	0.12	0.6	13000	3.5	0.25	23	—	259-1325-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0502PFV1-8.GN
		3-6	Vapo	0.08	0.4	10000	3.0	0.18	16	—	259-1326-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0502PFV2-8.GN
		4-6	Ball	0.12	0.9	10000	2.4	0.16	24	—	259-1012-ND	14.07	10.45	9.78	9.19	KDE0502PFB1-8V
		4-6	Ball	0.06	0.3	7000	1.3	0.09	23	—	259-1013-ND	14.07	10.45	9.78	9.19	KDE0502PFB3-8V
	12	4.5-13.8	Vapo	0.067	0.8	13000	3.5	0.25	23	—	259-1394-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM1202PFV1-8.GN
		4.5-13.8	Vapo	0.038	0.5	10000	3.0	0.18	16	—	259-1395-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM1202PFV2-8.GN
		10.2-13.8	Ball	0.10	1.0	10000	3.1	0.16	24	—	259-1014-ND	14.07	10.45	9.78	9.19	KDE1202PFB1-8V
		10.2-13.8	Ball	0.10	.72	10000	2.0	0.16	24	—	259-1063-ND	14.07	10.45	9.78	9.19	KDE1202PFB2-8V
		10.2-13.8	Ball	0.08	0.5	7000	1.3	0.09	23	—	259-1015-ND	14.07	10.45	9.78	9.19	KDE1202PFB3-8V
30 x 10	5	3-6	Vapo	0.14	0.7	9500	5.5	0.15	23	—	259-1329-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0503PFV1-8.GN
		3-6	Vapo	0.10	0.5	8000	4.6	0.12	20	—	259-1330-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0503PFV2-8.GN
	12	10.2-13.8	Ball	0.13	0.9	9500	5.1	0.14	22.5	—	259-1018-ND	14.07	10.45	9.78	9.19	KDE1203PFB1-8V
		4.5-13.8	Vapo	0.078	1.0	9500	5.5	0.15	23	—	259-1396-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM1203PFV1-8.GN
		4.5-13.8	Vapo	0.042	0.5	8000	4.6	0.12	20	—	259-1397-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM1203PFV2-8.GN
		10.2-13.8	Ball	0.08	0.6	5500	3.15	0.07	18	—	259-1019-ND	14.07	10.45	9.78	9.19	KDE1203PFB3-8V
35 x 10	5	3-6	Vapo	0.15	0.8	9500	7.0	0.18	28	—	259-1334-ND‡ ***NEW!***	11.42	9.54	8.93	8.40	GM0535PFV1-8.GN
		3-6	Vapo	0.10	0.5	7500	6.5	0.12	22	—	259-1305-ND‡ ***NEW!***	13.90	10.88	10.18	9.56	GM0535PFV2-8.GN
		3.5-6	Ball	0.14	0.7	6000	5.2	0.08	21	—	259-1188-ND	14.79	11.57	10.83	10.17	KDE0535PFB2-8(MS)OC
	12	4.5-13.8	Vapo	0.08	1.0	9500	7.0	0.18	28	—	259-1391-ND‡ ***NEW!***	12.83	10.72	10.04	9.44	GM1235PFV1-8.GN
		4.5-13.8	Vapo	0.043	0.5	7500	6.5	0.12	22	—	259-1392-ND‡ ***NEW!***	12.83	10.72	10.04	9.44	GM1235PFV2-8.GN
		5-13.8	Ball	0.06	0.7	4500	3.8	0.05	18	—	259-1180-ND	14.79	11.57	10.83	10.17	KDE1235PFB3-8(MS)
40 x 10	5	4-6	Vapo	0.24	1.2	7000	8.0	0.19	32	Tac	259-1341-ND‡ ***NEW!***	7.61	6.36	5.96	5.60	KDE0504PFV1.11.MS.AF.GN
		4-6	Vapo	0.24	1.2	7000	8.0	0.19	32	—	259-1342-ND‡ ***NEW!***	5.12	4.28	4.01	3.77	KDE0504PFV1.11.MS.A.GN
		4-6	Sleeve	0.11	0.6	6000	5.6	0.13	24	—	259-1133-ND	6.89	4.86	4.64	4.26	KDE0504PFS2-8
		4-6	Vapo	0.14	0.7	5800	7.0	0.13	27	—	259-1343-ND‡ ***NEW!***	4.28	3.58	3.35	3.15	KDE0504PFV2.11.MS.A.GN
	12	4.5-13.8	Vapo	0.15	1.8	8500	9.5	0.25	39	—	259-1352-ND‡ ***NEW!***	4.84	4.05	3.79	3.56	KDE1204PFVX.11.MS.A.GN
		5-13.8	Sleeve	0.12	1.4	7400	7.3	0.17	30.3	—	259-1199-ND	6.01	4.24	4.05	3.71	KD1204PFS1 H
		4.5-13.8	Vapo	0.09	1.1	7000	8.0	0.19	32	Tac	259-1349-ND‡ ***NEW!***	5.45	4.56	4.27	4.01	KDE1204PFV1.11.MS.AF.GN
		4.5-13.8	Vapo	0.09	1.1	7000	8.0	0.19	32	—	259-1350-ND‡ ***NEW!***	4.84	4.05	3.79	3.56	KDE1204PFV1.11.MS.A.GN
		5-13.8	Ball	0.09	1.1	6600	6.5	0.15	27	—	259-1205-ND	10.07	7.11	6.65	6.25	KD1204PFB2 H
		6-13.8	Vapo	0.08	1.0	5800	7.0	0.13	27	—	259-1351-ND‡ ***NEW!***	4.84	4.05	3.79	3.56	KDE1204PFV2.11.MS.A.GN
		4.5-13.8	Vapo	50	0.6	5500	4.9	0.10	20	—	259-1398-ND‡ ***NEW!***	4.39	3.67	3.44	3.24	KDE1204PFV3 11.MS.B981.A.G
		5-13.8	Ball	0.05	0.6	5200	4.7	0.10	24	—	259-1198-ND	7.23	5.18	4.92	4.59	KD1204PFB3 H

‡ ***RoHS Compliant*** Δ Frequency Generator ****Please Note: Custom Fan Cable Assemblies available upon request.***

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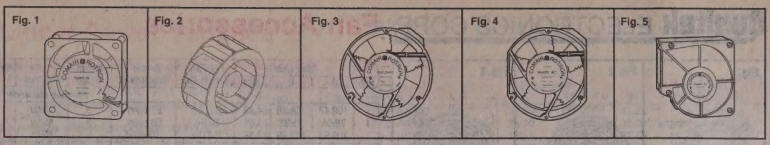
AC Fans



Fans - Motor:
o-pole shaded pole induction motor.
50/60Hz, impedance or thermally protected.
0% dielectric tested at 1800 VAC/1 sec /500
roamps max. leakage.

Model	Venturi	Propeller	EMI (See Right)
prite	One-piece die-cast zinc alloy, black	Flame retardant polypropylene, black, meets UL94V-0	A
hisper	Flame retardant, black, phenolic	Flame retardant polypropylene, black	—
hisper XL	One-piece die-cast zinc alloy, black	Flame retardant polypropylene, black, meets UL94V-0	—
uffin	Flame retardant, black, phenolic	Flame retardant polypropylene, black	—
uffin XL	One-piece die-cast zinc alloy, black	Flame retardant polypropylene, black, meets UL94V-0	—
iplomat	One-piece die-cast aluminum, black	Injection molded of flame retardant polycarbonate, black, meets UL94V-0	—
lcon	One-piece die-cast aluminum, black	Injection molded of flame retardant polycarbonate, black, meets UL94V-0	—
altese	One-piece die-cast aluminum, black	Injection molded of flame retardant polycarbonate, black, meets UL94V-0	—
ajor	One-piece die-cast aluminum, black	Polycarbonate, black, meets UL94V-0	—
atriot	One-piece die-cast aluminum, black	Polycarbonate, black, meets UL94V-0	—
arzan	Flame retardant, black, phenolic	Flame retardant polycarbonate, black	—
aravel	One-piece die-cast aluminum, black	Polycarbonate, black, meets UL94V-0	—
iscuit Blower	Black, meets UL94V-0	Polypropylene, black, meets UL94V-2	—

EMI

A Meets EMI standards per FCC part 15, subpart J of Docket 20780,Class A or B radiated and conducted emissions. Meets EMI standards per VDE specification 0871/6.78 for category A and B requirements.

APPROVALS

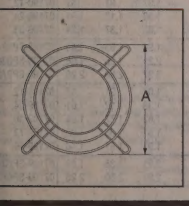
1. UL yellow card recognized, file No. E31293.
2. CSA certified, file No. LR52898.
3. TUV certified, file No. EN60950.
4. TUV approval pending.
5. VDE Marks license No. 1126.
6. VDE Marks license No. 1354.
7. TUV approved, file No. R97229.

g.	Model	Connection Type	Bearing	Voltage Nom.	Voltage Range	Power (Watts)	Running Current	RPM	CFM	Dimensions (mm)	Life(F) Expectancy	Approvals (See Above)	Digi-Key Part No.	Price Each 1	Price Each 25	Comair Model No.	Finger Guards	Price Each
										AC Fans								
		Lead Wires	Sleeve	115	—	7/6	.08/.07A	2200/2600	23/27	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR093-ND	26.20	21.62	SU2E1	CR180-ND	.90
		Terminal	Sleeve	115	—	13/11	.19/.15A	2750/3250	28/34	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR097-ND	25.90	21.37	SU2A5	CR180-ND	.90
		Lead Wires	Sleeve	115	—	13/11	.19/.15A	2750/3250	28/34	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR091-ND	24.80	20.46	SU2A1	CR180-ND	.90
		Lead Wires	Ball	115	—	13/11	.19/.15A	2750/3250	28/34	80x42	73,000 hrs. @ 40°C	1, 2, 5	CR103-ND	29.00	23.93	SU2B1	CR180-ND	.90
		Terminal	Ball	115	—	13/11	.19/.15A	2750/3250	28/34	80x42	73,000 hrs. @ 40°C	1, 2, 5	CR105-ND	29.00	23.93	SU2B5	CR180-ND	.90
	Sprite	Lead Wires	Sleeve	115	—	7/6	.07/.06A	1700/1950	15/18	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR108-ND *	26.80	22.11	SU2C7	CR180-ND	.90
		Lead Wires	Sleeve	—	220/230	14/13	.09/.08A	2750/3250	28/34	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR250-ND *	25.40	20.96	SU3A1	CR180-ND	.90
		Lead Wires	Sleeve	115	—	7/6	.07/.06A	1750/1900	17/20	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR261-ND *	27.50	22.69	SU2C1	CR180-ND	.90
		Terminal	Sleeve	—	220/230	14/13	.09/.08A	2750/3250	28/34	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR252-ND *	26.40	21.78	SU3A5	CR180-ND	.90
		Terminal	Sleeve	115	—	7/6	.07/.06A	1750/1900	17/20	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR263-ND *	26.70	22.03	SU2C5	CR180-ND	.90
		Lead Wires	Ball	—	220/230	14/13	.09/.08A	2750/3250	28/34	80x42	55,000 hrs. @ 40°C	1, 2, 5	CR255-ND *	31.50	25.99	SU3B1	CR180-ND	.90
		Terminal	Sleeve	115	—	7/7	.07/.06A	1640/1980	55/57	120x38	55,000 hrs. @ 40°C	1, 2	CR113-ND	27.00	22.28	WR2A1	CR210-ND	1.67
	Whisper	Terminal	Sleeve	115	—	11/10	.12/.11A	2100/2400	70/80	120x38	55,000 hrs. @ 40°C	1, 2	CR114-ND	27.00	22.28	WR2H1	CR210-ND	1.67
		Terminal	Sleeve	—	220/230	12/12	.07/.07A	1590/2000	53/62	120x38	55,000 hrs. @ 40°C	1, 2	CR116-ND	29.50	24.34	WR3A1	CR210-ND	1.67
		Terminal	Sleeve	115	—	6/6	.07/.06A	1450/1500	48/50	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR117-ND†	27.40	22.61	WX2A1	CR210-ND	1.67
		Terminal	Sleeve	115	—	10/9	.11/.10A	1900/2000	65/70	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR119-ND†	27.40	22.61	WX2M1	CR210-ND	1.67
	Whisper XL	Terminal	Sleeve	115	—	15/13	.19/.15A	2200/2500	70/83	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR118-ND†	27.40	22.61	WX2H1	CR210-ND	1.67
		Terminal	Sleeve	—	220/230	14/13	.10/.09A	2200/2500	70/83	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR256-ND†	27.40	22.61	WX3H1	CR210-ND	1.67
		Terminal	Sleeve	115	—	15/14	.19/.16A	2650/3100	88/105	120x38	55,000 hrs. @ 40°C	1, 2	CR122-ND	24.30	20.05	MU2A1	CR210-ND	1.67
		Terminal	Ball	115	—	15/14	.19/.16A	2650/3100	88/105	120x38	85,000 hrs. @ 40°C	1, 2	CR124-ND	35.90	29.62	MU2B1	CR210-ND	1.67
	Muffin	Terminal	Sleeve	—	220/230	15/14	.10/.09A	2650/3100	88/105	120x38	55,000 hrs. @ 40°C	1, 2	CR123-ND	24.30	20.05	MU3A1	CR210-ND	1.67
		Terminal	Ball	—	220/230	15/14	.10/.09A	2650/3100	88/105	120x38	85,000 hrs. @ 40°C	1, 2	CR125-ND	35.90	29.62	MU3B1	CR210-ND	1.67
		Terminal	Sleeve	115	—	17/15	.20/.18A	2700/3100	92/108	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR128-ND† *	27.50	22.69	MX2A1	CR210-ND	1.67
		Terminal	Ball	115	—	17/15	.20/.18A	2700/3100	92/108	119x39	83,000 hrs. @ 40°C	1, 2, 5	CR132-ND† *	37.80	31.19	MX2B1	CR210-ND	1.67
		Terminal	Sleeve	115	—	17/15	.20/.18A	2700/3100	98/115	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR126-ND†	25.60	21.12	MX2A3	CR210-ND	1.67
		Terminal	Ball	115	—	17/15	.20/.18A	2700/3100	98/115	119x39	83,000 hrs. @ 40°C	1, 2, 5	CR130-ND†	37.80	31.19	MX2B3	CR210-ND	1.67
	Muffin XL	Terminal	Sleeve	—	220/230	17/16	.10/.09A	2700/3100	98/115	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR257-ND†	28.00	23.10	MX3A3	CR210-ND	1.67
		Terminal	Ball	—	220/230	17/16	.10/.09A	2700/3100	98/115	119x39	55,000 hrs. @ 40°C	1, 2, 5	CR258-ND†	37.80	31.19	MX3B3	CR210-ND	1.67
	Diplomat	Terminal	Ball	—	220/230	26/30	.13/.20A	2850/3350	150/170	133x91	50,000 hrs. @ 40°C	1, 2, 3	CR314-ND	66.15	56.97	DAF77B2	—	—
	Falcon	Terminal	Ball	115	—	41.4	.36A	3400	300	172x55	40,000 hrs. @ 50°C	1, 2, 3	CR309-ND†	72.90	62.78	FA2B3	CR196-ND	2.93
		Terminal	Ball	—	220/230	41.4	.18A	3400	300	172x55	40,000 hrs. @ 50°C	1, 2, 3	CR310-ND†	72.90	62.78	FA77B3	CR196-ND	2.93
	Maltese	Terminal	Ball	115	—	41.4	.36A	3400	300	172x150x55	40,000 hrs. @ 50°C	1, 2, 7	CR311-ND†	72.90	62.78	MA2B3	CR196-ND	2.93
		Terminal	Ball	—	220/230	41.4	.18A	3400	300	172x150x55	40,000 hrs. @ 50°C	1, 2, 7	CR312-ND†	72.90	62.78	MA77B3	CR196-ND	2.93
		Terminal	Ball	115	—	30/31	.27/.26A	2850/3350	200/235	172x150x51	5 yrs. @ 25°C	1, 2, 6	CR134-ND†	60.90	50.25	MR2B3	CR196-ND	2.93
	Major	Terminal	Ball	—	220/230	26/30	.13/.14A	2850/3350	200/235	172x150x51	5 yrs. @ 25°C	1, 2, 6	CR135-ND†	61.20	50.49	MR77B3	CR196-ND	2.93
		Terminal	Ball	115	—	30/31	.27/.26A	2850/3350	200/235	172x51	5 yrs. @ 25°C	1, 2, 6	CR136-ND†	60.90	50.25	PT2B3	CR206-ND	2.75
	Patriot	Terminal	Ball	—	220/230	26/30	.13/.14A	2850/3350	200/235	172x51	53,000 hrs. @ 40°C	1, 2, 6	CR137-ND†	61.20	50.49	PT77B3	CR206-ND	2.75
		Terminal	Ball	115	—	90/85	1.4/1.2A	2820/3350	280/340	176x112	25,000 hrs. @ 40°C	1, 2, 4	CR140-ND	89.20	73.59	TNE2A	CR179-ND	6.56
	Tarzan	Terminal	Ball	—	220/230	82/85	.65/.60A	2820/3350	280/340	176x112	25,000 hrs. @ 40°C	1, 2, 4	CR141-ND	89.20	73.59	TNE3A	CR179-ND	6.56
		Leadwire	Ball	115	—	90/85	1.4/1.2A	2820/3350	280/340	176x112	25,000 hrs. @ 40°C	1, 2, 4	CR259-ND	88.20	72.77	TNE2C	CR179-ND	6.56
		Lead Wires	Sleeve	115	—	65	.48/.50A	1400/1650	455/550	254x89	54,000 hrs. @ 40°C	1, 2, 3	CR144-ND†	57.75	50.33	CLE2L2	CR182-ND	1.83
	Caravel	Terminal	Ball	115	—	65	.48/.50A	1400/1650	455/550	254x89	54,000 hrs. @ 40°C	1, 2, 3	CR145-ND†	59.50	51.85	CLE2T2	CR182-ND	1.83
		Terminal	Ball	—	220/230	55	.24/.25A	1400/1650	455/550	254x89	54,000 hrs. @ 40°C	1, 2, 3	CR147-ND†	59.50	51.85	CLE3T2	CR182-ND	1.83
	Biscuit Blower	Terminal	Sleeve	115	—	17/16	.19/.17A	2500/2700	20/22	120x40	55,000 hrs. @ 40°C	1, 2	CR148-ND	34.00	28.05	BT2A1	—	—
		Terminal	Sleeve	—	220/230	15/14	.09/.08A	2500/2700	20/22	120x40	55,000 hrs. @ 40°C	1, 2	CR149-ND	34.00	28.05	BT3A1	—	—

eathered Edge for lower noise * Reverse Flow

L

Fan Accessories



Dim. (mm) A	Dim. (mm) Thick	Fits Fan Size (mm)	Center Dim. (mm)	No. of Rings	Material	Digi-Key Part No.	Price Each 1	Price Each 25	Price Each 50
			Finger Guards						
222.00	17.78	176 Sq.	99 open	3	Metal	CR179-ND	6.56	5.65	5.19

Description	Fits Fan Size (mm)	Digi-Key Part No.	Price Each 1	Price Each 25	Price Each 50
		Filters and Filter Accessories			
Filter Assembly	119 and 120 Square	CR209-ND	16.59	12.64	11.46
		Clips			
#6-32 Flush Mounting Clip	Major, Major DC, Whisper	CR187-ND	.17	.15	.14
#6-32 Mounting Clip	All XL Models	CR192-ND	.15	.12	.11

Fan Accessories

Fig. 1

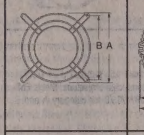


Fig. 2

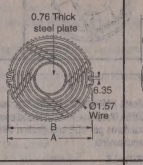


Fig. 3

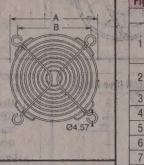


Fig. 4

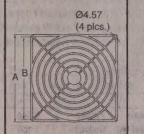


Fig. 5

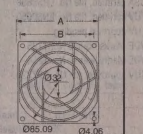


Fig. 6

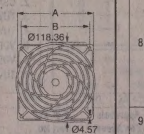


Fig. 7

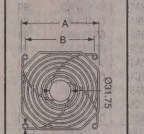


Fig. 8

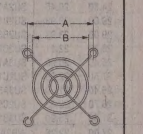


Fig. 9

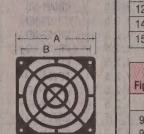


Fig. 10

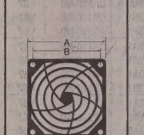


Fig. 11

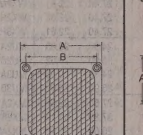


Fig. 12

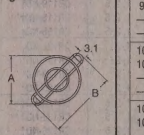


Fig. 13

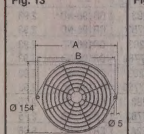


Fig. 14

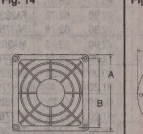


Fig. 15

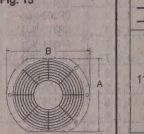


Fig. 16

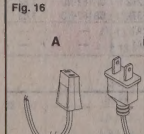


Fig. 17

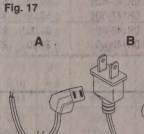


Fig. 18

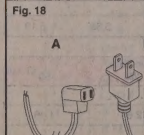


Fig. 19

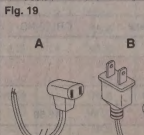


Fig.	Dim. (mm) A	B	Thick	Fits Fan Size (mm)	Center Dim. (mm)	No. of Rings	Material	Digi-Key Part No.	Price Each 1	25	50	Qualtek Part No.
Finger Guards												
1	109.47	104.78	4.83	120 Sq.	57 open	3	Metal	CR178-ND	1.19	1.01	.91	08146
	76.96	71.37	3.89	80 Sq.	50 open	3	Metal	CR180-ND	.90	.76	.69	08153
	209.55	173.99	8.38	254 Dia.	102 open	5	Metal	CR182-ND	1.83	1.66	1.49	08154
2	158.75	161.92	6.10	150 Dia.	74 solid	6	Metal	CR206-ND	2.75	2.31	2.09	08152
	158.75	161.92	6.10	171.5 Dia.	74 solid	5 3/4	Metal	CR196-ND	2.93	2.46	2.23	08151
3	124.46	113.28	5.92	127 Dia.	14 open	9	Metal	CR200-ND	2.43	2.05	1.85	08150
4	115.06	104.65	6.60	120 Sq.	25.4 solid	6	Plastic	CR280-ND	.90	.76	.69	09120-G
5	115.06	104.65	2.54	120 Sq.	32 solid	5	Plastic	CR315-ND	.79	.67	.61	09122-G
6	115.06	104.65	6.60	120 Sq.	45 solid	5	Plastic	CR281-ND	.90	.76	.69	09121-G
7	117.35	104.78	5.21	120 Sq.	33 solid	7	Metal	CR210-ND	1.67	1.40	1.27	08141
8	89.41	82.42	4.95	92 Sq.	14 open	6	Metal	CR220-ND	.74	.63	.57	08174
	53.10	50.04	4.95	60 Sq.	14 open	4	Metal	CR221-ND	.65	.55	.50	08147
	222.25	173.99	6.35	254 Dia.	76.2 solid	9	Metal	CR223-ND	3.85	3.24	2.93	08127
	115.6	104.8	5.66	120 Dia.	17.5 open	8	Metal	CR224-ND	.88	.74	.67	08170
	76.20	71.37	4.95	80 Dia.	17.4 open	5	Metal	CR229-ND	.68	.57	.52	08172
	32.00	29.21	4.80	40 Dia.	15.875 open	2	Metal	CR230-ND	.63	.53	.48	08149
	24.00	21.8	4.80	30 Sq.	9 open	2	Metal	CR377-ND	.59	.54	.48	08346
	29.00	27.00	4.00	35 Sq.	14.2 open	2	Metal	CR378-ND	.63	.57	.51	08347
	40.00	41.06	4.80	50 Sq.	14.2 open	3	Metal	CR379-ND	.83	.76	.68	08248
	42.00	41.00	4.80	52 Sq.	14.2 open	3	Metal	CR388-ND	.57	.52	.46	08148
9	39.88	32.00	4.83	40 Sq.	12 open	3	Plastic	CR285-ND	.39	.33	.30	09150-G
	59.94	50.04	6.35	60 Sq.	5 solid	3	Plastic	CR225-ND	.47	.40	.36	09250-G
10	80.01	71.37	6.35	80 Sq.	15 solid	3	Plastic	CR226-ND	.64	.54	.49	09325-G
	79.76	71.37	3.05	80 Sq.	32 solid	3	Plastic	CR282-ND	.51	.44	.39	09080-G
	91.95	82.55	6.35	92 Sq.	31.5 solid	4	Plastic	CR227-ND	.73	.62	.56	09362-G
	118.11	104.65	7.11	120 Sq.	25 solid	6	Plastic	CR228-ND	.88	.74	.67	09450-G
12	24.2	24.2	3.0	25 Sq.	104 open	2	Metal	CR181-ND	.52	.44	.40	08245
14	60.0	50.0	7.0	60 Sq.	21.0 solid	3	Plastic	CR190-ND	.69	.58	.53	09252-G
15	151	172	7.0	151 Sq.	50 solid	8	Plastic	CR191-ND	1.95	1.64	1.48	09651-G

Fig.	Description	Dim. (mm) A	B	Fits Fan Size (mm)	Digi-Key Part No.	Price Each 1	25	50	Qualtek Part No.
Filters and Filter Accessories									
9	Filter Guard Assembly (30 PPI)	39.88	32.00	40 Sq.	CR286-ND	1.68	1.41	1.28	09150-F/30
9	Filter Guard Assembly (45 PPI)	39.88	32.00	40 Sq.	CR287-ND	1.68	1.41	1.28	09150-F/45
—	Replacement Filter Element (30 PPI) - Pkg. of 5	—	—	40 Sq.	CR324-ND	1.40	1.18	1.07	09150-M/30
—	Replacement Filter Element (45 PPI) - Pkg. of 5	—	—	40 Sq.	CR325-ND	1.40	1.18	1.07	09150-M/45
9	Filter Guard Assembly (30 PPI)	59.94	50.04	60 Sq.	CR283-ND	1.80	1.52	1.37	09250-F/30
9	Filter Guard Assembly (45 PPI)	59.94	50.04	60 Sq.	CR284-ND	1.80	1.52	1.37	09250-F/45
—	Replacement Filter Element (30 PPI) - Pkg. of 5	—	—	60 Sq.	CR326-ND	1.46	1.23	1.12	09250-M/30
—	Replacement Filter Element (45 PPI) - Pkg. of 5	—	—	60 Sq.	CR327-ND	1.46	1.23	1.12	09250-M/45
10	Filter Guard Assembly (30 PPI)	83.57	71.37	80 Sq.	CR212-ND	1.91	1.61	1.45	09325-F/30
10	Filter Guard Assembly (45 PPI)	83.57	71.37	80 Sq.	CR214-ND	1.91	1.61	1.45	09325-F/45
—	Replacement Filter Element (30 PPI) - Pkg. of 5	—	—	80 Sq.	CR213-ND	1.60	1.35	1.22	09325-M/30
—	Replacement Filter Element (45 PPI) - Pkg. of 5	—	—	80 Sq.	CR215-ND	1.60	1.35	1.22	09325-M/45
10	Filter Guard Assembly (30 PPI)	96.52	82.55	92 Sq.	CR328-ND	2.19	1.84	1.67	09362-F/30
10	Filter Guard Assembly (45 PPI)	96.52	82.55	92 Sq.	CR329-ND	2.19	1.84	1.67	09362-F/45
—	Replacement Filter Element (30 PPI) - Pkg. of 5	—	—	92 Sq.	CR330-ND	1.69	1.42	1.29	09362-M/30
—	Replacement Filter Element (45 PPI) - Pkg. of 5	—	—	92 Sq.	CR331-ND	1.69	1.42	1.29	09362-M/45
10	Filter Guard Assembly (30 PPI)	123.7	104.9		CR216-ND	2.28	1.92	1.74	09450-F/30
10	Filter Guard Assembly (45 PPI)	123.7	104.9	119 & 120	CR218-ND	2.28	1.92	1.74	09450-F/45
—	Replacement Filter Element (30 PPI) - Pkg. of 5	—	—	Square	CR217-ND	1.35	1.14	1.03	09450-M/30
—	Replacement Filter Element (45 PPI) - Pkg. of 5	—	—		CR219-ND	1.35	1.14	1.03	09450-M/45
11	Filter/Screen, Stainless Steel (Washable)	64.26	49.6	60 Sq.	CR373-ND	6.12	5.55	4.96	06250-SS
	Filter/Screen, Aluminum (Washable)	83.82	71.37	80 Sq.	CR233-ND	3.01	2.72	2.44	06325-M
	Filter/Screen, Stainless Steel (Washable)	83.82	71.37	80 Sq.	CR374-ND	6.31	5.72	5.12	06325-SS
	Filter/Screen, Aluminum (Washable)	91.95	82.42	92 Sq.	CR234-ND	3.36	3.05	2.73	06362-M
	Filter/Screen, Stainless Steel (Washable)	91.95	82.42	92 Sq.	CR375-ND	6.50	5.89	5.27	06362-SS
	Filter/Screen, Aluminum (Washable)	118.87	104.77	120 Sq.	CR235-ND	3.72	3.37	3.02	06450-M
	Filter/Screen, Stainless Steel (Washable)	118.87	104.77	120 Sq.	CR376-ND	9.73	8.81	7.88	06450-SS
13	Finger Guard Assembly, Plastic (30 PPI)	176.0	161.5	150 Sq.	CR189-ND	3.09	2.60	2.35	09650-F/30
	Finger Guard Assembly, Plastic (45 PPI)	176.0	161.5	150 Sq.	CR185-ND	3.09	2.60	2.35	09650-F/45
	Finger Guard Assembly, Plastic (60 PPI)	176.0	161.5	150 Sq.	CR186-ND	2.82	2.55	2.28	09650-F/60
	Finger Guard Assembly, Plastic (100 PPI)	176.0	161.5	150 Sq.	CR189-ND	2.82	2.55	2.28	09650-F/100
Plug Cord Sets – SPT-1 (18/2)									
16A	Straight On Plug and Cord – 24" (60.96cm)	Fits all Diplomat, Falcon, Maltese, Major, Patriot, Tarzan, Caravel, and Biscuit model fans with Terminal Connections			CR197-ND	1.33	1.12	1.01	07100-24
	Straight On Plug and Cord – 36" (91.44cm)				CR198-ND	1.63	1.37	1.24	07100-36
	Straight On Plug and Cord – 50" (127.00cm)				CR199-ND	1.90	1.60	1.45	07100-50
16B	Straight On Plug and Cord – 24" (60.96cm)				CR361-ND	1.94	1.63	1.48	07100-SP024
	Straight On Plug and Cord – 36" (91.44cm)				CR362-ND	2.21	1.86	1.68	07100-SP036
	Straight On Plug and Cord – 72" (182.88cm)				CR363-ND	2.97	2.50	2.26	07100-SP072
17A	45° Angle Plug and Cord – 24" (60.96cm)	Fits all AC Fans with Terminal Connection Type			CR318-ND	1.33	1.12	1.01	07145-24
	45° Angle Plug and Cord – 36" (91.44cm)				CR319-ND	1.63	1.37	1.24	07145-36
17B	45° Angle Plug and Cord – 36" (91.44cm)				CR365-ND	2.21	1.86	1.68	07145-SP036
	45° Angle Plug and Cord – 72" (182.88cm)				CR366-ND	2.97	2.50	2.26	07145-SP072
18A	90° Angle Plug and Cord – 12" (30.48cm)	Fits all AC Fans with Terminal Connection Type			CR320-ND	1.07	.91	.82	07190-12
	90° Angle Plug and Cord – 24" (60.96cm)				CR321-ND	1.33	1.12	1.01	07190-24
	90° Angle Plug and Cord – 36" (91.44cm)				CR322-ND	1.63	1.37	1.24	07190-36
18B	90° Angle Plug and Cord – 24" (60.96cm)				CR367-ND	1.94	1.63	1.48	07190-SP024
	90° Angle Plug and Cord – 36" (91.44cm)				CR368-ND	2.21	1.86	1.68	07190-SP036
	90° Angle Plug and Cord – 72" (182.88cm)				CR369-ND	2.97	2.50	2.26	07190-SP072
19A	90° Angle T-Style Plug and Cord – 12" (30.48cm)	Fits all AC Fans with Terminal Connection Type			CR323-ND	1.07	.91	.82	07199-12
	90° Angle T-Style Plug and Cord – 24" (60.96cm)				CR170-ND	1.33	1.12	1.01	07199-24
	90° Angle T-Style Plug and Cord – 36" (91.44cm)				CR175-ND	1.63	1.37	1.24	07199-36
	90° Angle T-Style Plug and Cord – 72" (182.88cm)				CR337-ND	1.61	1.36	1.23	07199-72
	90° Angle T-Style Plug and Cord – 96" (243.84cm)				CR338-ND	1.91	1.61	1.46	07199-96
19B	90° Angle T-Style Plug and Cord – 36" (91.44cm)				CR371-ND	2.21	1.86	1.68	07199-SP036
	90° Angle T-Style Plug and Cord – 72" (182.88cm)				CR372-ND	2.97	2.50	2.26	07199-SP072

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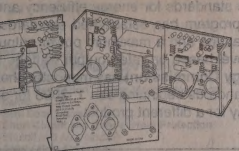


Features: • Worldwide AC input Capabilities • Meets domestic and foreign safety standards: UL, CSA, IEC, VDE, BPO, ECMA, CE • Low output ripple • Two hour burn-in • Made in U.S.A.

Overvoltage Protection Options: Optional overvoltage protection modules are offered, each is user adjustable from 6.4V – 34V. Note: Outputs with factory built-in OVP are indicated in the Voltage/Current Rating Chart for each model.

General Specifications: • AC Input: 100/120/220/240VAC +10%, -13%. 47-63 Hz. Tolerance for 230VAC operation is +15%.

. Factory wired for 120V operation • DC Output: Adjustment range ±5% minimum. Voltage non-table on "3 terminal regulator" outputs • Line Regulation: ±.05% for a 10% line change. Exceptions: % for F, G case models, ±0.5% for all other outputs using "3 terminal regulators" • Load Regulation: % for a 50% load change. Exceptions: ±.02% for F, G case models, ±0.5% for all other outputs using "3 terminal regulators" • Output Ripple: 5V through 15V models: 5.0 mV PK-PK maximum. (3.0 mV K maximum for F, G case models). 24V through 250V models: 3.0 mV PK-PK plus .02% of output ge, maximum. All "3 terminal regulator" outputs: 0.2% PK-PK maximum • Overvoltage Protection: ded on 5V outputs where indicated. Set at 6.2V ±0.4%. Other outputs use optional overvoltage ctors OVP12 and OVP24. • Operating Temperature: 0°C – 50°C full rated, derated linearly to 40% at • Efficiency: 5V outputs — 45%, 12V and 15V outputs — 55%, 24V through 250V outputs — 60% ster/Slave Operation: Provided on F, G models only. For parallel operation of up to 6 units. **Safety ifications:** All models exceed the following safety standards — Leakage Current Line to Ground imum): 0.05 mA • Dielectric Withstand Voltage (minimum): Input to Ground — 3750VRMS, Input to uts — 3750VRMS, Outputs to Ground — 500VDC • 2 year warranty

Overvoltage Protection

Voltage Adjustment Range: 6.4 - 33VDC		
Maximum Current Rating		
Model	Intermittent	Continuous
OVP-12	12.0A	8.0A
OVP-24	30.0A	20.0A

Dimensions – In. (mm) Height x Width x Thickness	Digi-Key Part No.	Price Each 1	10	25	Power-One Part No.
.50 x 1.55 x 0.56 (38.10 x 39.37 x 14.22)	179-2057-ND	9.75	9.50	9.25	OVP-12
.00 x 2.75 x 0.77 (50.80 x 69.85 x 19.56)	179-2058-ND	16.25	15.71	15.50	OVP-24

OVP SELECTION GUIDE		
Model	Case Size	OVP Modules Required
Single Output	B, C, N, D	(1) OVP-12
	E, F	(1) OVP-24
Dual Output	AA, B, BB, CC	(1) OVP-12 protects both outputs
	E	(1) OVP-24 protects both outputs
Triple Output	AA, BAA, D, CBB	(1) OVP-12 protects both 12V
	131, DBB, DCC	through 15V outputs

International Series Single Output

Voltage/ Current	Case Size	Digi-Key Part No.	1	10	25	50	Power-One Part No.
5V @ 1.5A*	B	179-2061-ND	34.75	33.75	33.00	31.25	HA5-1.5/OVP-A
5V @ 3A*†	B	179-2035-ND	36.50	35.50	34.75	33.00	HB5-3/OVP-A
5V @ 6A†	C	179-2040-ND	57.50	55.75	55.00	51.75	HC5-6/OVP-A
5V @ 9A*	N	179-2056-ND	78.50	76.00	74.50	70.50	HN5-9/OVP-A
5V @ 12A†	D	179-2046-ND	89.00	86.25	84.50	80.00	HD5-12/OVP-A
5V @ 18A†	E	179-2051-ND	131.00	127.25	124.50	118.01	HE5-18/OVP-A
5V @ 25A**	F	179-2026-ND	184.50	179.00	175.50	166.25	F5-25/OVP-A
12V @ 0.9A*	B	179-2027-ND	32.13	31.25	30.50	29.00	HA15-0.9-A
12V @ 1.7A†	B	179-2029-ND	34.50	33.50	32.75	31.25	HB12-1.7-A
12V @ 3.4A†	C	179-2036-ND	52.25	50.75	49.75	47.00	HC12-3.4-A
12V @ 5.1A*	N	179-2052-ND	73.25	71.00	69.50	66.00	HN12-5.1-A
12V @ 6.8A†	D	179-2041-ND	83.75	81.25	79.50	75.26	HD12-6.8-A
12V @ 10.2A†	E	179-2047-ND	115.00	111.50	109.25	103.51	HE12-10.2-A
12V @ 16A†**	F	179-2024-ND	184.50	179.00	175.50	166.25	F15-15-A
15V @ 1.5A†	B	179-2030-ND	35.75	34.75	34.00	32.26	HB15-1.5-A
15V @ 3A†	C	179-2037-ND	52.25	50.75	49.75	47.00	HC15-3-A
15V @ 4.5A*	N	179-2053-ND	73.25	71.00	69.50	66.00	HN15-4.5-A
15V @ 6A†	D	179-2042-ND	83.75	81.25	79.50	75.26	HD15-6-A
15V @ 9A†	E	179-2048-ND	115.00	111.50	109.25	103.51	HE15-9-A
24V @ 0.5A**	B	179-2028-ND	34.75	33.75	33.00	31.25	HA24-0.5-A
24V @ 1.2A†	B	179-2032-ND	36.50	35.25	34.75	32.76	HB24-1.2-A
24V @ 2.4A†	C	179-2038-ND	52.25	50.75	49.75	47.00	HC24-2.4-A
24V @ 3.6A†	N	179-2054-ND	73.25	71.00	69.50	66.00	HN24-3.6-A
24V @ 4.8A†	D	179-2043-ND	83.75	81.25	79.50	75.26	HD24-4.8-A
24V @ 7.2A†	E	179-2049-ND	115.00	111.50	109.25	103.51	HE24-7.2-A
24V @ 12A†**	F	179-2025-ND	184.50	179.00	175.50	166.25	F24-12-A
28V @ 1A†	B	179-2033-ND	36.50	35.25	34.75	32.76	HB28-1-A
28V @ 2A†	C	179-2039-ND	52.25	50.75	49.75	47.00	HC28-2-A
28V @ 3A†	N	179-2055-ND	73.25	71.00	69.50	66.00	HN28-3-A
28V @ 4A†	D	179-2044-ND	83.75	81.25	79.50	75.26	HD28-4-A
48V @ 0.5A	B	179-2034-ND	42.00	40.75	39.75	37.75	HB48-0.5-A
48V @ 2A†	D	179-2045-ND	89.00	86.25	84.50	80.00	HD48-3-A
48V @ 4A†	E	179-2050-ND	125.50	121.75	119.26	113.00	HE48-4-A

* Overvoltage protection provided. Set at 6.2V ±0.4V. ** Adjustable outputs: F15-15-A: 12-15V, F24-12-A: 24-28V, HA24-0.5-A: 24-28V † Remote sense provided.

Case Size

Case	Overall Size – In. (mm)	Weight
CBB	11.00 x 4.87 x 3.28 (279.40 x 123.70 x 83.31)	8 Lbs
D	9.00 x 4.87 x 3.28 (228.60 x 123.70 x 83.31)	7.5 Lbs
DBB	14.25 x 4.87 x 3.38 (361.95 x 123.70 x 85.85)	11 Lbs
DCC	15.00 x 4.88 x 4.55 (381.00 x 123.95 x 115.57)	12 Lbs
E	14.00 x 4.87 x 3.53 (355.60 x 123.70 x 89.66)	10 Lbs
F	16.75 x 4.88 x 5.00 (425.45 x 123.95 x 127.00)	19 Lbs
AA	6.50 x 4.00 x 2.10 (165.10 x 101.60 x 53.34)	2.5 Lbs
B	4.87 x 4.00 x 2.10 (123.70 x 101.60 x 53.34)	2.2 Lbs

Case	Overall Size – In. (mm)	Weight
BB	7.00 x 4.87 x 2.95 (177.80 x 123.70 x 74.93)	4.4 Lbs
BAA	10.25 x 4.00 x 2.95 (260.35 x 101.60 x 74.93)	5 Lbs
C	5.62 x 4.87 x 2.95 (142.75 x 123.70 x 74.93)	4.25 Lbs
CC	9.38 x 4.87 x 3.28 (238.25 x 123.70 x 83.31)	7 Lbs
N	7.00 x 4.87 x 3.20 (177.80 x 123.70 x 81.28)	6 Lbs
CP131	11.00 x 4.87 x 3.20 (279.40 x 123.70 x 81.28)	9 Lbs
NRG275	9.00 x 5.00 x 2.50 (228.60 x 127.00 x 63.50)	3 Lbs

ternational Series Dual Output

Output #1	Output #2	Case Size	Digi-Key Part No.	1	10	25	50	Power-One Part No.
+12V @ 0.4A§	-12V @ 0.4A§	B	179-2065-ND	38.75	37.50	36.75	34.76	HAD12-0.4-A
+15 @ 0.4A§	-15V @ 0.4A§	B	179-2066-ND	38.75	37.50*	36.75	34.76	HAD15-0.4-A
+12V @ 1A or +15V @ 0.8A†	-12V @ 1A or -15V @ 0.8A or -5V @ 0.4A†	AA	179-2062-ND	45.00	43.75	42.75	40.51	HAA15-0.8-A
+12V @ 1.7A or +15V @ 1.5A†	-12V @1.7A or -15V @ 1.5A or -5V @ 0.7A†	BB	179-2068-ND	57.50	55.75	55.00	51.76	HBB15-1.5-A
+12V @ 3.4A or +15V @ 3A†	-12V @ 3.4A or -15V @ 3A†	CC	179-2073-ND	92.00	89.25	87.51	82.75	HCC15-3-A
+12V or 15V @ 5A†	(-)12V or 15V @ 5A†	E	179-2078-ND	136.00	131.75	129.01	122.25	HDD15-5-A
+18-20V @ 0.4A or +24V @ 0.6A	(-)18-20V @ 0.4A or -24V @ 0.6A	AA	179-2063-ND	48.46	47.00	46.25	43.76	HAA24-0.6-A
+18-20V @ 0.9A or +24V @ 1.2A	(-)18-20V @ 0.9A or -24V @ 1.2A	BB	179-2069-ND	63.00	62.00	61.01	57.01	HBB24-1.2-A
+18-20V @ 1.8A or +24V @ 2.4A†	(-)18-20V @ 1.8A or -24V @ 2.4A†	CC	179-2074-ND	101.00	98.00	96.00	91.00	HCC24-2.4-A
5V @ 2A*‡	9-15V @ 0.5A	AA	179-2064-ND	52.25	50.75	49.75	47.00	HAA512-A
5V @ 3A*‡†	12-15V @ 1.25A†	BB	179-2070-ND	62.75	61.00	59.50	56.50	HBB512-A
5V @ 6A*‡†	12-15V @ 2.5A†	CC	179-2075-ND	99.25	96.25	94.25	89.50	HCC512-A
+5V @ 2A*	+12V @ 4A	N	179-2060-ND	92.00	89.25	87.50	82.75	CP323-A

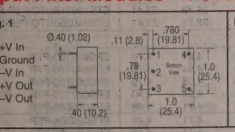
ervolatge protection provided. Set at 6.2V ±0.4%. † Remote sense provided. ‡ Isolated outputs, can be referenced as + or -. § Non-adjustable 3 terminal regulator.

ternational Series Triple Output

Output #1	Output #2	Output #3	Case Size	Digi-Key Part No.	1	10	25	50	Power-One Part No.
5V @ 2A*‡	+12 to 15V @ 0.4A	(-)12 to 15V @ 0.4A or -5V @ 0.4A	AA	179-2079-ND	57.50	55.75	54.75	51.76	HTAA-16W-A
5V @ 3A*†‡	+12V @ 1A or +15V @ 0.8A†	(-)12 @ 1A or -15V @ 0.8A or -5V @ 0.4A†	BAA	179-2067-ND	79.50	77.00	75.50	71.51	HBAA-40W-A
+5V @ 6A*†	+12 to 15V @1.0A	(-)12 to 15V @ 1A or -5V @ 0.4A	D	179-2071-ND	94.00	91.25	89.50	84.75	HCAA-60W-A
5V @ 6A*†‡	+12V @ 1.7A or +15V @ 1.5A†	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A†	CBB	179-2072-ND	109.75	106.50	104.25	98.76	HCBB-75W-A
5V @ 8A*†‡	+12V @ 1.7A or +15V @ 1.5A†	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A†	131	179-2059-ND	125.50	121.75	119.26	113.00	CP131-A
5V @ 12A*†‡	+12V @ 1.7A or +15V @ 1.5A†	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A†	DBB	179-2076-ND	141.20	136.97	134.15	127.09	HDBB-105W-A
5V @ 12A*†‡	+12V @ 3.4A or +15V @ 3A†	-12V @ 3.4A or -15V @ 3A†	DCC	179-2077-ND	162.00	157.25	154.00	145.75	HDCC-150W-A

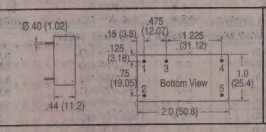
ervolatge protection provided. Set at 6.2V ±0.4%. † Remote sense provided. ‡ Isolated outputs, can be referenced as + or -.

put Filter Modules - FC100 Series



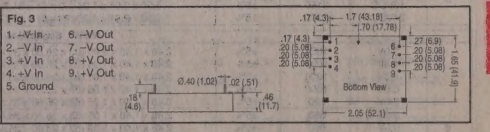
1. +V In
2. Ground
3. –V In
4. +V Out
5. –V Out

Fig. 2



1. +V In
2. –V In
3. Ground
4. +V Out
5. –V Out

Fig. 3



1. –V In
2. –V In
3. +V In
4. +V In
5. Ground
6. –V Out
7. –V Out
8. +V Out
9. +V Out

00 industry standard series of input filter modules provide o 30dB of common mode and differential mode filtering at KHz. The FC100 series are optimized for operation with s converters. The filters can be operated with up to 100VDC ce and have 1000VDC of insolation.

tures: • Meet class B conducted limits • PCB mountable l and DM filtering • Industry standard pinout • -40°C ~ °C case operation • Input frequency 100 Hz

Fig.	Oper. Curr. (Amps)	Insertion Loss Differential Mode (dB)	Insertion Loss Common Mode (dB)	Typical Resistance (mOhms)	Digi-Key Part No.	1	10	25	50	Power-One Part No.
1	5 A	28	30	27	179-2282-ND0 *NEW!*	14.00	13.50	13.00	12.50	FC100V5A-G
2	10 A	31	28	17	179-2179-ND	17.50	17.00	16.25	15.50	FC100V10A
2	10 A	31	28	17	179-2283-ND0 *NEW!*	17.50	17.00	16.25	15.51	FC100V10A-G
3	20 A	26	32	6.6	179-2284-ND0 *NEW!*	30.00	28.00	28.00	24.00	FC100V20A-G

◊ *RoHS Compliant*

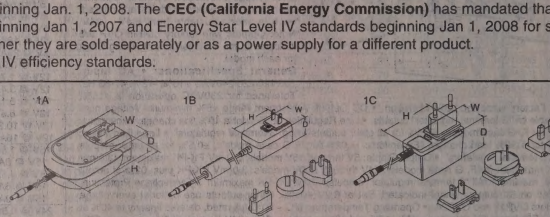
Wall and Desktop Transformers and Power Supplies

Energy Star is a program established by the US Environmental Protection Agency to establish achievable standards for energy efficiency an encourage manufacturers to make electrical products that use energy more efficiently. The Energy Star program has established standards External Power Supplies: • Efficiency Level III requires a minimum efficiency level based on rated output wattage and a maximum power outpu no-load conditions of 0.75W beginning Jan. 1, 2007. • Efficiency Level IV requires a minimum efficiency level based on rated output wattage a maximum power output at no-load condition of 0.50W beginning Jan. 1, 2008. The **CEC (California Energy Commission)** has mandated tha external power supplies must meet Energy Star Level III standards beginning Jan 1, 2007 and Energy Star Level IV standards beginning Jan 1, 2008 for s products to be legally sold in the state of California – regardless of whether they are sold separately or as a power supply for a different product.
All CUI, Inc. EPS, ETS and EMS series models meet Energy Star Level IV efficiency standards.

Fig. 1 — Multi-Plug

FEATURES:
• Interchangeable AC plug • Universal Input: 90~264VAC • Continuous short circuit protection • Conductive EMI meets CISPR/FCC Class B • High Efficiency: 75% typical • Operating Temperature: 0°C ~ 40°C

Safety Requirements:
(1) UL60950 3rd edition (The blade configuration was evaluated to the Standard for Attachment Plugs and Receptacles, UL498) (2) cUL, CSA C22.2, No. 60950 (3) TUV, EN60950:2000 (4) CE (5) GS



Additional plug options

NOW AVAILABLE! CUI INC Custom Plug Overmolding without large minimum orders and long lead times! Straight or right angle plugs are available in the following sizes: P1, P5, P6, P7 or P13.

For additional plug and polarity options available, please call Digi-Key and request technical assistance to build your custom part number.

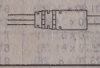
(Overmolding Service not available on Medical Switching Power Supplies.)

BUILD YOUR PART NUMBER: **DPS120125-** □□□□

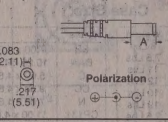
Choose an In stock CUI Power Supply — Z 5 R P
Z: special over molding code — 6 N
Choose P1, P5, P6, P7 or P13 plug options — 7
If applicable: R-Right angle
P or N: For DC Output choose Center Positive or Negative

- Lead-Time: 2 week
- Non-Standard pl barrel lengths a available up request
- Minimum Order: 1 pieces

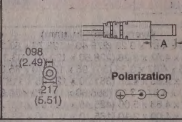
P-1 (3.5mm Male) — Tip is Positive, Sleeve is Negative



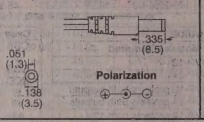
P-5 (2.1mm Female)



P-6 (2.5mm Female)



P-7 (1.3mm Female)



P-13 (1.7mm Female)

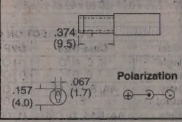


Fig.	Ratings Voltage	mA	Reg.	Dimensions Inches (mm) H x W x D	Cord Plug "A"	Digi-Key Part No.	Price Each 1	10	50	100	CUI Inc. Part No.
				ENERGY STAR							
				NEW! Multi-Plug – RoHS Compliant NEW!							
1A	5VDC	1200	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-5 ▲	T946-P5P-ND	13.26	12.27	11.61	10.61	EMS050120-P5P-SZ
	6VDC	1000	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-5 ▲	T947-P5P-ND	13.26	12.27	11.61	10.61	EMS060100-P5P-SZ
	9VDC	660	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-5 ▲	T948-P5P-ND	13.26	12.27	11.61	10.61	EMS090066-P5P-SZ
	12VDC	500	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-5 ▲	T949-P5P-ND	13.26	12.27	11.61	10.61	EMS120050-P5P-SZ
	12VDC	500	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-6 ▲	T945-P6P-ND	13.26	12.27	11.61	10.61	EMS120050-P6P-SZ
	15VDC	400	±5%	2.52 x 1.59 x 1.18 (64 x 40.5 x 30)	P-5 ▲	T950-P5P-ND	13.26	12.27	11.61	10.61	EMS150040-P5P-SZ
1B	5VDC	3200	±6%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T377-P5P-ND	18.30	17.39	16.01	15.24	EMS050320-P5P-SZ
	6VDC	3000	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T378-P5P-ND	18.30	17.39	16.01	15.24	EMS060300-P5P-SZ
	9VDC	2000	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T379-P5P-ND	18.30	17.39	16.01	15.24	EMS090200-P5P-SZ
	12VDC	1500	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T380-P5P-ND	18.30	17.39	16.01	15.24	EMS120150-P5P-SZ
	15VDC	1200	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T381-P5P-ND	18.30	17.39	16.01	15.24	EMS150120-P5P-SZ
	18VDC	1000	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T382-P5P-ND	18.30	17.39	16.01	15.24	EMS180100-P5P-SZ
	24VDC	750	±5%	2.91 x 1.71 x 1.34 (74 x 43.5 x 34)	P-5 ◆	T383-P5P-ND	18.30	17.39	16.01	15.24	EMS240075-P5P-SZ
				NEW! 25 Watt Desktop Series – RoHS Compliant NEW!							
2	5VDC	4000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T951-P5P-ND	19.80	18.81	17.33	16.50	ETS050400UTC-P5P
	6VDC	3300	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T952-P5P-ND	19.80	18.81	17.33	16.50	ETS060330UTC-P5P
	9VDC	2200	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T953-P5P-ND	19.80	18.81	17.33	16.50	ETS090220UTC-P5P
	12VDC	2000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T954-P5P-ND	19.80	18.81	17.33	16.50	ETS120200UTC-P5P
	15VDC	1330	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T955-P5P-ND	19.80	18.81	17.33	16.50	ETS150133UTC-P5P
	18VDC	1100	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T956-P5P-ND	19.80	18.81	17.33	16.50	ETS180110UTC-P5P
	24VDC	1000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T957-P5P-ND	19.80	18.81	17.33	16.50	ETS240100UTC-P5P
				NEW! 40 Watt Desktop Series – RoHS Compliant NEW!							
4	9VDC	4000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T959-P5P-ND	25.50	24.23	22.32	21.25	ETS090400UTC-P5P
	12VDC	4000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T960-P5P-ND	25.50	24.23	22.32	21.25	ETS120400UTC-P5P
	15VDC	2700	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T961-P5P-ND	25.50	24.23	22.32	21.25	ETS150270UTC-P5P
	24VDC	1700	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T962-P5P-ND	25.50	24.23	22.32	21.25	ETS240170UTC-P5P
				NEW! 60 Watt Desktop Series – RoHS Compliant NEW!							
5	12VDC	5000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T963-P5P-ND	32.90	31.26	28.79	27.41	ETS120500UTC-P5P
	15VDC	4000	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T964-P5P-ND	32.90	31.26	28.79	27.41	ETS150400UTC-P5P
	19VDC	3150	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T965-P5P-ND	32.90	31.26	28.79	27.41	ETS190315UTC-P5P
	24VDC	2500	±5%	3.90 x 2.01 x 1.25 (99 x 51 x 31.7)	P-5 ◆	T966-P5P-ND	32.90	31.26	28.79	27.41	ETS240250UTC-P5P
				NEW! Switching Wall Mount – RoHS Compliant NEW!							
6	3.0V	1000	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-7	T975-P7P-ND	5.64	5.36	4.94	4.70	EPS030100-P7P
	4.5V	1000	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-7	T976-P7P-ND	5.64	5.36	4.94	4.70	EPS045100-P7P
	5.0V	1000	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-6	T977-P6P-ND	5.64	5.36	4.94	4.70	EPS050100-P6P
	6.0V	1000	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-7	T978-P7P-ND	5.64	5.36	4.94	4.70	EPS060100-P7P
	9.0V	660	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-1	T979-P1P-ND	5.38	5.11	4.71	4.48	EPS090066-P1P
	9.0V	660	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-5 ◆	T980-P5P-ND	5.38	5.11	4.71	4.48	EPS090066-P5P
	9.0V	660	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-7	T981-P7P-ND	5.38	5.11	4.71	4.48	EPS090066-P7P
	12.0V	500	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-1	T982-P1P-ND	5.38	5.11	4.71	4.48	EPS120050-P1P
	12.0V	500	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-5 ◆	T983-P5P-ND	5.38	5.11	4.71	4.48	EPS120050-P5P
	12.0V	500	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-7	T984-P7P-ND	5.38	5.11	4.71	4.48	EPS120050-P7P
	15.0V	400	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-5 ◆	T985-P5P-ND	5.38	5.11	4.71	4.48	EPS150040-P5P
	18.0V	330	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-5 ◆	T986-P5P-ND	5.38	5.11	4.71	4.48	EPS180033-P5P
	24.0V	250	±5%	2.48 x 1.40 x 1.05 (63 x 26.60 x 35.49)	P-5 ◆	T987-P5P-ND	5.38	5.11	4.71	4.48	EPS240025-P5P

• Table Top Style † "S/T" = Stripped/Tinned § Center Tapped ▲ 9.5mm Long Plugs ◆ 12mm Long Plugs • Output Min. Current: 0.1A

★ ***For additional plug options available, please call Digi-Key and request technical assistance to build your part number. A minimum order and lead time will apply.*** *(Cont*

More Product Available Online: www.digikey.com
Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Fig. 2 — Desktop Series

SPECIFICATIONS:
Input Voltage Range: AC90V-255V
Frequency: 50Hz to 60Hz
Load Regulation: Check Model information below
Min. Load Current: 0A
Short Circuit and Over-current Protection: Shutoff and Auto Restart
Safety Requirements:
(1) UL (2) cUL (3) TUV (4) CE (5) GS

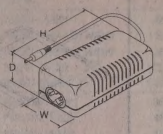


Fig. 3 — Small Desktop Series

SPECIFICATIONS:
• Input Voltage Range: AC90V-264V
• Frequency: 50Hz to 60Hz
• Load Regulation: 5%
• Min. Load Current: 0A
• Short Circuit and Over-current Protection: Shutoff and Auto Restart
• Safety Requirements:
(1) UL (2) cUL (3) TUV (4) CE

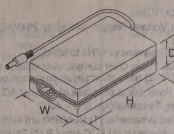


Fig. 4 — 40/50 Watt Desktop Series

SPECIFICATIONS:
Rated Input Voltage: AC100V-240V
Safety Requirements:
(1) UL (2) CUL (3) ITS/GS (4) CE
EMI Requirement:
(1) Meet FCC; Class B, CE, VCCI-II

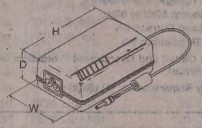
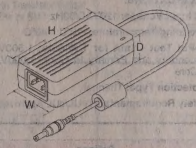


Fig. 5 — 60 Watt Desktop Series

SPECIFICATIONS:
• Input Voltage Range: AC90V-264V
• Frequency: 50Hz to 60Hz
• Load Regulation: 5%
• Min. Load Current: 0A
• Short Circuit and Overcurrent Protection: Shutoff and Auto Restart
• Safety Requirements:
(1) UL (2) cUL (3) TUV (4) CE (5) DEMKO (6) FIMKO (7) SMEKO (8) NEMCO (9) LPS (10) GS



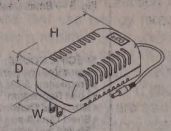
Ratings			Dimensions Inches (mm)	Cord	Digi-Key	Price Each				CUI Inc.
Voltage	mA	Reg.	H x W x D	Plug "A"	Part No.	1	10	50	100	Part No.
STANDARD WALL PLUG AND DESKTOP POWER SUPPLIES										
Multi-Plug										
3.3VDC	1600	±4%	2.83 x 1.38 x 1.81 (72 x 35 x 46)	P-5▲	T360-P5P-ND	19.72	18.25	17.26	15.78	DMS033160-P5-IC
6VDC	1500	±3%	2.83 x 1.38 x 1.81 (72 x 35 x 46)	P-5▲	T362-P5P-ND	24.65	19.72	17.26	16.37	DMS060150-P5-IC
5VDC	5000	±6%	4.24 x 2.27 x 1.32 (108 x 58 x 33)	P-5▲	T366-P5P-ND	37.64	34.82	32.94	30.11	DMS050500-P5P-IC
9VDC	3300	±3%	4.24 x 2.27 x 1.32 (108 x 58 x 33)	P-5▲	T367-P5P-ND	37.64	34.82	32.94	30.11	DMS090330-P5P-IC
12VDC	2500	±2%	4.24 x 2.27 x 1.32 (108 x 58 x 33)	P-5▲	T368-P5P-ND	37.64	34.82	32.94	30.11	DMS120250-P5P-IC
15VDC	2000	±2%	4.24 x 2.27 x 1.32 (108 x 58 x 33)	P-5▲	T369-P5P-ND	37.64	34.82	32.94	30.11	DMS150200-P5P-IC
24VDC	1250	±2%	4.24 x 2.27 x 1.32 (108 x 58 x 33)	P-5▲	T370-P5P-ND	37.64	34.82	32.94	30.11	DMS240125-P5P-IC
US/Canada Transformer 120VAC/60Hz Input										
12VDC	100	No	2.33 x 1.50 x 1.35 (59.20 x 38 x 34.20)	P-7	T211-P7P-ND	5.43	4.34	3.80	3.61	DPD120010-P7P-TK
5VDC	300	5%	2.50 x 1.72 x 1.72 (63.60 x 43.70 x 38.80)	P-6	T314-P6P-ND	7.38	5.90	5.17	4.90	DPR050030-P6P-SZ
	1500	5%	4.72 x 3.07 x 2.48 (119.89 x 77.98 x 62.99)	P-5◆	T311-P5P-ND•	37.42	32.75	31.06	27.13	DTR050150-P5P
9VDC	200	No	2.33 x 1.50 x 1.35 (59.20 x 38 x 34.20)	P-5◆	T415-P5P-ND	5.45	4.36	3.82	3.62	DPD090020-P5P-TK
	200	No	2.33 x 1.50 x 1.35 (59.20 x 38 x 34.20)	P-1	T416-P1P-ND	5.45	4.36	3.82	3.62	DPD090020-P1P-TK
	300	No	1.35 x 1.50 x 2.53 (34.20 x 38 x 64.20)	P-1	T417-P1P-ND	5.53	4.42	3.87	3.67	DPD090030-P1P-TK
	500	No	2.52 x 1.77 x 1.56 (64 x 45 x 39.10)	P-5◆	T419-P5P-ND	6.43	5.14	4.50	4.27	DPD090050-P5P-TK
	650	No	2.59 x 1.96 x 1.59 (66 x 50 x 40.50)	P-5▲	T514-P5P-ND	6.58	5.26	4.61	4.37	DPD090065-P5P-SZ
	800	5%	3.21 x 2.31 x 1.93 (81.60 x 58.70 x 49.10)	P-5◆	T435-P5P-ND	12.03	9.62	8.42	7.99	DPR090080-P5P-SZ
12VDC	50	No	2.15 x 1.67 x 1.46 (54.61 x 42.42 x 37.08)	P-1	T508-P1P-ND	3.78	3.59	3.14	3.03	DPD120005-P1P-SZ
	200	No	2.45 x 1.50 x 1.35 (62.20 x 38 x 34.20)	P-1	T422-P1P-ND	5.53	4.42	3.87	3.67	DPD120020-P1P-TK
	300	No	2.38 x 2.00 x 1.46 (60.45 x 50.80 x 37.08)	P-1	T501-P1P-ND	5.08	4.06	3.56	2.95	DPD120030-P1P
	500	No	2.72 x 1.77 x 1.54 (69 x 45 x 39.10)	P-5◆	T426-P5P-ND	6.48	5.18	4.54	4.30	DPD120050-P5P-TK
	800	No	3.25 x 2.19 x 1.77 (82.60 x 55.60 x 45)	P-5◆	T427-P5P-ND	7.98	6.38	5.59	5.30	DPD120080-P5P-TK
24VDC	400	No	3.06 x 2.19 x 1.77 (77.60 x 55.60 x 45)	P-1	T432-P1P-ND	8.53	6.82	5.97	5.67	DPD240040-P1P-TK
	400	No	3.06 x 2.19 x 1.77 (77.60 x 55.60 x 45)	P-6◆	T431-P6P-ND	8.53	6.82	5.97	5.67	DPD240040-P6P-TK
12VAC	300	No	2.15 x 1.67 x 1.46 (54.61 x 42.42 x 37.08)	S/T†	T601-ND	3.30	2.89	2.74	2.48	DPA120030-S/T-SZ
	1000	No	2.86 x 2.19 x 1.77 (72.60 x 55.60 x 45)	S/T†	T623-ND	6.45	5.16	4.52	4.29	DPA120100-S/T-TK
	3300	No	3.50 x 2.68 x 2.16 (88.90 x 68.07 x 54.86)	S/T†	T605-ND§	23.60	18.88	16.52	15.68	DPA120333C-S/T
	600	No	2.32 x 1.77 x 1.56 (59 x 45 x 39.50)	P-1	T621-P1P-ND	6.05	4.84	4.24	4.02	DPA120060-P1-TK
	2000	No	3.30 x 2.48 x 2.16 (83.82 x 62.99 x 54.86)	P-1	T609-P1P-ND	14.28	11.42	10.00	9.48	DPA120200-P1P
NEW! US/Canada Transformer 120VAC/60Hz Input – RoHS Compliant NEW!										
9VDC	200	No	2.20 x 1.73 x 1.41 (55.8 x 44.0 x 35.9)	P-5 ◆	T967-P5P-ND	5.23	4.18	3.66	3.49	DPD090020-P5P-SZ
9VDC	500	No	2.47 x 2.01 x 1.65 (62.7 x 51.0 x 42.0)	P-5 ◆	T968-P5P-ND	6.20	4.96	4.34	4.14	DPD090050-P5P-SZ
12VDC	500	No	2.60 x 1.97 x 1.59 (66.0 x 50.0 x 40.5)	P-5 ◆	T969-P5P-ND	6.30	5.04	4.41	4.20	DPD120050-P5P-SZ
12VDC	800	No	3.21 x 2.31 x 1.93 (81.6 x 58.7 x 49.1)	P-5 ◆	T970-P5P-ND	7.78	6.22	5.45	5.19	DPD120080-P5P-SZ
24VDC	400	No	3.24 x 2.25 x 1.96 (82.3 x 57.1 x 49.8)	P-6 ◆	T971-P6P-ND	8.45	6.76	5.92	5.64	DPD240040-P6P-SZ
12VAC	1000	No	2.60 x 1.97 x 1.59 (66.0 x 50.0 x 40.5)	S/T†	T972-ND	6.38	5.10	4.47	4.25	DPA120100-S/T-SZ
NEW! European Transformer 230VAC/50Hz Input – RoHS Compliant NEW!										
9VDC	500	No	2.91 x 2.05 x 1.61 (74.0 x 52.0 x 40.9)	P-5 ◆	T973-P5P-ND	6.93	5.54	4.85	4.62	DPD090050E-P5P-SZ
12VDC	800	No	3.21 x 2.31 x 1.92 (81.6 x 58.7 x 48.7)	P-5 ◆	T974-P5P-ND	8.93	7.14	6.25	5.95	DPD120080E-P5P-SZ

ble Top Style † "S/T" = Stripped/Tinned § Center Tapped ▲ 9.5mm Long Plugs ◆ 12mm Long Plugs • Output Min. Current: 0.1A

For additional plug options available, please call Digi-Key and request technical assistance to build your part number. A minimum order and lead time will apply.

(Continued)

Fig. 6 — Switching Wall-Mount Power Supply



SPECIFICATIONS:
- **AC Input Voltage Range:** 90VAC to 264VAC Universal (EPS Seris 100VAC to 120VAC)
- **AC Input Frequency:** 47Hz to 63Hz
- **Protection Type:** Over current, over voltage and short circuit protection (T921-P5P-ND have short circuit protection only)
- **Hold up time:** 10ms after loss of nominal AC input under full load condition
- **Operating Temperature:** 0°C ~ 40°C
- **Safety Requirements: (1)** UL60950 3rd edition **(2)** cUL • **Output:** No Min. Load
- **EMI Requirement: (1)** FCC class B **(2)** EN55022 class B

Fig. 7 — US/Canada Transformer

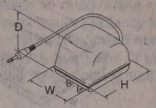


Fig. 8 — European Transformer

SPECIFICATIONS:
- **Safety Requirements:** TUV Approved

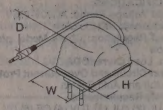
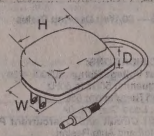
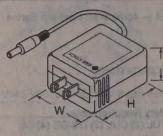


Fig. 9 — POWER PUP
Thin, Low-Profile Case Wall Transformer



SPECIFICATIONS:
- **AC Input Voltage:** 120VAC/60Hz
- **Operating Temperature:** -10°C ~ 40°C
- **Hi-Pot Test - 1mA for 1 Minute:** 1,500VAC Primary to Secondary and Primary to Core, 1,000VAC Secondary to Core
- **Protection Type:** Thermal
- **Safety Requirements: (1)** UL/cUL Approvals

Fig. 10 — 12 Watt Power Strip Type



SPECIFICATIONS:
- **Input Voltage:** AC90V-264V
- **Frequency:** 50Hz to 60Hz
- **Min. Load Current:** 0A
- **Load Regulation:** 5%
- **Short Circuit and Overcurrent Protection:** Shutoff and Auto Restart
- **Safety Requirements: (1)** UL **(2)** cUL

Fig.	Ratings Voltage	mA	Reg.	Dimensions Inches (mm) H x W x D	Cord Plug "A"	Digi-Key Part No.	Price Each 1	10	50	100	CUI Inc. Part No.
				Switching Wall-Mount Power Supply							
6	5VDC	3000	±6%	3.23 x 1.72 x 1.18 (82 x 43.50 x 30)	P-5◆	T935-P5P-ND	13.63	10.90	9.54	9.05	DPS050300U-P5P-TK
	5VDC	4000	±7%	3.66 x 1.85 x 1.35 (93 x 47 x 34.20)	P-5◆	T940-P5P-ND	17.13	13.70	11.99	11.38	DPS050400U-P5P-TK
	6VDC	2500	5%	3.23 x 1.72 x 1.18 (82 x 43.50 x 30)	P-5◆	T936-P5P-ND	13.63	10.90	9.54	9.05	DPS060250U-P5P-TK
	6VDC	4000	±7%	3.66 x 1.85 x 1.35 (93 x 47 x 34.20)	P-5◆	T941-P5P-ND	17.13	13.70	11.99	11.38	DPS060400U-P5P-TK
	9VDC	1670	5%	3.23 x 1.72 x 1.18 (82 x 43.50 x 30)	P-5◆	T937-P5P-ND	13.63	10.90	9.54	9.05	DPS090167U-P5P-TK
	9VDC	2750	5%	3.66 x 1.71 x 1.35 (93 x 47 x 34.20)	P-5◆	T942-P5P-ND	17.13	13.70	11.99	11.38	DPS090275U-P5P-TK
	12VDC	1250	5%	3.23 x 1.72 x 1.18 (82 x 43.50 x 30)	P-5◆	T938-P5P-ND	13.63	10.90	9.54	9.05	DPS120125U-P5P-TK
	12VDC	2000	±5%	3.66 x 1.71 x 1.35 (93 x 47 x 34.20)	P-5◆	T939-P5P-ND	17.13	13.70	11.99	11.38	DPS120200U-P5P-TK
	15VDC	1000	±5%	3.23 x 1.72 x 1.18 (82 x 43.50 x 30)	P-5◆	T943-P5P-ND	13.63	10.90	9.54	9.05	DPS150100U-P5P-TK
	24VDC	1000	±5%	3.66 x 1.71 x 1.35 (93 x 47 x 34.20)	P-5◆	T944-P5P-ND	17.13	13.70	11.99	11.38	DPS240100U-P5P-TK
				POWER PUP							
9	9VDC	500	No	3.07 x 1.91 x 1.33 (78 x 48.5 x 33.9)	P-5◆	T413-P5P-ND	5.08	4.06	3.56	3.37	DPD090050-P5P-TC
				12 Watt Power Strip Type							
10	5VDC	2000	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T450-P5P-ND	16.63	13.30	11.65	11.09	DPS050200UPS-P5P-S
	6VDC	2000	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T451-P5P-ND	16.63	13.30	11.65	11.09	DPS060200UPS-P5P-S
	9VDC	1300	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T460-P5P-ND	16.63	13.30	11.65	11.09	DPS090130UPS-P5P-S
	12VDC	1000	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T461-P5P-ND	16.63	13.30	11.65	11.09	DPS120100UPS-P5P-S
	18VDC	660	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T462-P5P-ND	16.63	13.30	11.65	11.09	DPS180066UPS-P5P-S
	24VDC	500	5%	2.36 x 1.73 x .98 (60 x 44 x 25)	P-5▲	T455-P5P-ND	16.63	13.30	11.65	11.09	DPS240050UPS-P5P-S
				12 Watt Small Desktop							
3	5VDC	2500	5%	2.91 x 1.81 x .98 (74 x 46 x 25)	P-5▲	T850-P5P-ND	19.18	15.34	13.43	12.79	DTS050250SUDC-P5P-S
	6VDC	2000	5%	2.95 x 1.87 x 1.04 (75 x 47.5 x 26.5)	P-5▲	T851-P5P-ND	19.18	15.34	13.43	12.79	DTS060200SUDC-P5P-S
	9VDC	1330	5%	2.95 x 1.87 x 1.04 (75 x 47.5 x 26.5)	P-5▲	T852-P5P-ND	19.18	15.34	13.43	12.79	DTS090133SUDC-P5P-S
	12VDC	1000	5%	2.95 x 1.87 x 1.04 (75 x 47.5 x 26.5)	P-5▲	T853-P5P-ND	19.18	15.34	13.43	12.79	DTS120100SUDC-P5P-S
	18VDC	670	5%	2.95 x 1.87 x 1.04 (75 x 47.5 x 26.5)	P-5▲	T854-P5P-ND	19.18	15.34	13.43	12.79	DTS180067SUDC-P5P-S
	24VDC	500	5%	2.95 x 1.87 x 1.04 (75 x 47.5 x 26.5)	P-5▲	T855-P5P-ND	19.18	15.34	13.43	12.79	DTS240050SUDC-P5P-S
				25 Watt Desktop Series							
2	6VDC	4000	±7%	4.13 x 1.91 x 1.39 (105 x 48.50 x 35.20)	P-5◆	T567-P5P-ND	19.88	15.90	13.92	13.20	DTS060400UDC-P5P-T
	9VDC	2750	±5%	4.13 x 1.91 x 1.39 (105 x 48.50 x 35.20)	P-5◆	T568-P5P-ND	19.88	15.90	13.92	13.20	DTS090275UDC-P5P-T
	12VDC	2000	±5%	4.13 x 1.91 x 1.39 (105 x 48.50 x 35.20)	P-5◆	T569-P5P-ND	19.88	15.90	13.92	13.20	DTS120200UDC-P5P-T
	15VDC	1600	±5%	4.13 x 1.91 x 1.39 (105 x 48.50 x 35.20)	P-5◆	T570-P5P-ND	19.88	15.90	13.92	13.20	DTS150160UDC-P5P-T
				50 Watt Desktop Series							
4	6VDC	6000	7%	4.26 x 2.60 x 1.42 (108.1 x 66 x 36.1)	P-5◆	T857-P5P-ND*	34.75	27.80	24.33	23.08	DTS060600UTC-P5P-S
	9VDC	5000	5%	4.26 x 2.60 x 1.42 (108.1 x 66 x 36.1)	P-5◆	T858-P5P-ND	34.75	27.80	24.33	23.08	DTS090500UTC-P5P-S
	15VDC	3300	5%	4.26 x 2.60 x 1.42 (108.1 x 66 x 36.1)	P-5◆	T860-P5P-ND	34.75	27.80	24.33	23.08	DTS150330UTC-P5P-S
	24VDC	2100	5%	4.26 x 2.60 x 1.42 (108.1 x 66 x 36.1)	P-5◆	T861-P5P-ND	34.75	27.80	24.33	23.08	DTS240210UTC-P5P-S
				60 Watt Desktop Series							
5	18VDC	3300	5%	4.76 x 2.36 x 1.36 (121 x 60 x 34.5)	P-5▲	T826-P5P-ND	36.96	33.60	29.41	28.00	DTS180330UC-P5-ET

• Table Top Style † "S/T" = Stripped/Tinned § Center Tapped ▲ 9.5mm Long Plugs ◆ 12mm Long Plugs * Output Min. Current: 0.1A

★ *For additional plug options available, please call Digi-Key and request technical assistance to build your part number. A minimum order and lead time will apply.*

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Fig.	Isolation Voltage	Current Transfer Ratio - Typ.	VCEO (Max.)	Typ. ton/toff (µsec.)	Pkg.	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing
1	5000	80-600%	80	3/5	Dip	PS2501-1A-ND†	.42	.35	.30	—	—	—
1	5000	80-160%	80	3/5	Dip	PS2501-1-H-A-ND† ***NEW!***	.36	.31	.26	—	—	—
1	5000	200-400%	80	3/5	Dip	PS2501-1-L-A-ND† ***NEW!***	.36	.31	.26	—	—	—
2	5000	80-600%	80	3/5	Dip	PS2501-2A-ND†	1.13	.94	.80	—	—	—
3	5000	80-600%	80	3/5	Dip	PS2501-4A-ND†	1.47	1.23	1.04	—	—	—
1	5000	50-400%	70	5/7	Dip	PS2501A-1-A-ND†	.36	.30	.26	—	—	—
1	5000	50-400%	70	5/7	SMT	PS2501AL-1-ND§†	.42	.35	.30	PS2501AL-1TR-ND†	1,000	210.00
1	5000	80-600%	80	3/5	SMT	PS2501L-1A-ND†	.51	.43	.36	—	—	—
2	5000	80-600%	80	3/5	SMT	PS2501L-2A-ND†	1.23	1.03	.87	—	—	—
3	5000	80-600%	80	3/5	SMT	PS2501L-4A-ND†	1.92	1.60	1.36	—	—	—
1	5000	80-160%	80	3/5	SMT	PS2501L-1-H-A-ND† ***NEW!***	.49	.41	.35	—	—	—
4	5000	200-2000%	40	100/100	Dip	PS2502-1-ND	.72	.60	.51	—	—	—
4	5000	200-2000%	40	100/100	Dip	PS2502-1A-ND†	.74	.62	.52	—	—	—
5	5000	200-2000%	40	100/100	Dip	PS2502-2A-ND†	1.77	1.48	1.25	—	—	—
6	5000	200-2000%	40	100/100	Dip	PS2502-4A-ND†	2.15	1.94	1.65	—	—	—
7	5000	100-400%	40	20/30	Dip	PS2503-1-A-ND†	.93	.78	.66	—	—	—
8	5000	100-400%	40	20/30	Dip	PS2503-2-A-ND†	1.87	1.56	1.32	—	—	—
9	5000	100-400%	40	20/30	Dip	PS2503-4-A-ND†	2.85	2.57	2.19	—	—	—
7	5000	100-400%	40	20/30	SMT	PS2503L-1A-ND§†	.99	.83	.70	PS2503L-1ATR-ND†	1,000	495.00
8	5000	100-400%	40	20/30	SMT	PS2503L-2-A-ND†	1.93	1.61	1.36	—	—	—
9	5000	100-400%	40	20/30	SMT	PS2503L-4-A-ND†	2.90	2.61	2.23	—	—	—
10	5000	80-600%	80	3/5	Dip	PS2505-1A-ND†	.60	.50	.43	—	—	—
11	5000	80-600%	80	3/5	Dip	PS2505-2A-ND†	1.40	1.17	.99	—	—	—
12	5000	80-600%	80	3/5	Dip	PS2505-4A-ND†	2.70	2.25	1.90	—	—	—
10	5000	80-600%	80	3/5	SMT	PS2505L-1A-ND†	.60	.50	.43	—	—	—
11	5000	80-600%	80	3/5	SMT	PS2505L-2A-ND†	1.58	1.32	1.12	—	—	—
12	5000	80-600%	80	3/5	SMT	PS2505L-4A-ND†	2.13	1.92	1.63	—	—	—
13	5000	200-2000%	40	100/100	Dip	PS2506-1A-ND†	.99	.83	.70	—	—	—
14	5000	200-2000%	40	100/100	Dip	PS2506-2A-ND†	1.97	1.65	1.39	—	—	—
15	5000	200-2000%	40	100/100	Dip	PS2506-4A-ND†	2.60	2.34	2.00	—	—	—
1	5000	50-200%	120	5/25	Dip	PS2513-1-A-ND†	.71	.59	.50	—	—	—
1	5000	50-200%	120	5/25	SMT	PS2513L-1-ND§†	.76	.64	.54	PS2513L-1TR-ND†	2,000	373.50/M
1	5000	20-80%	80	3/5	Dip	PS2521-1-A-ND†	1.09	.91	.77	—	—	—
1	5000	20-80%	80	3/5	SMT	PS2521L-1CT-ND§†	1.17	.98	.83	PS2521L-1TR-ND†	1,000	600.00
2	5000	20-80%	80	3/5	SMT	PS2521L-2-ND†	2.30	1.92	1.62	—	—	—
10	5000	20-80%	80	3/5	Dip	PS2525-1-A-ND†	1.31	1.10	.93	—	—	—
16	5000	1500-6500%	300	100/100	Dip	PS2532-1A-ND†	.98	.82	.70	—	—	—
16	5000	1500-6500%	300	100/100	SMT	PS2532L-1A-ND†	1.04	.87	.73	—	—	—
1	5000	80-400%	80	3/5	Dip	PS2561-1A-ND†	.57	.48	.41	—	—	—
1	5000	80-400%	80	3/5	Dip	PS2561-1-V4-ND‡†	.57	.48	.41	—	—	—
1	5000	50-300%	70	5/7	Dip	PS2561A-1-A-ND†	.45	.38	.32	—	—	—
1	5000	80-160%	70	5/7	SMT	PS2561AL-1-H-A-ND† ***NEW!***	.50	.42	.35	—	—	—
1	5000	50-300%	70	5/7	SMT	PS2561AL-1CT-ND§†	.48	.41	.34	PS2561AL-1TR-ND†	2,000	232.50/M
1	5000	80-400%	80	3/5	SMT	PS2561L-1A-ND†	.63	.53	.45	—	—	—
1	5000	80-160%	80	3/5	SMT	PS2561L-1-H-A-ND† ***NEW!***	.51	.43	.36	—	—	—
1	5000	80-400%	80	3/5	SMT	PS2561L-1-V-ND‡	.54	.46	.39	—	—	—
1	5000	80-400%	80	3/5	SMT	PS2561L-1-V4-ND‡†	.63	.53	.45	—	—	—
2	5000	80-400%	80	3/5	SMT	PS2561L-2A-ND†	1.23	1.03	.87	—	—	—
1	5000	80-400%	80	3/5	Dip	PS2561L1-1-V4-ND‡†	.63	.53	.45	—	—	—
4	5000	200-2000%	40	100/100	Dip	PS2562-1-A-ND†	1.02	.85	.72	—	—	—
4	5000	200-2000%	40	100/100	SMT	PS2562L-1-ND§†	.89	.74	.63	PS2562L-1TR-ND†	2,000	442.50/M
10	5000	80-400%	80	3/5	Dip	PS2565-1A-ND†	.69	.58	.49	—	—	—
10	5000	80-400%	80	3/5	Dip	PS2565-1-V4-ND‡†	.69	.58	.49	—	—	—
10	5000	80-400%	80	3/5	SMT	PS2565L-1A-ND†	.72	.60	.51	—	—	—
10	5000	80-400%	80	3/5	SMT	PS2565L1-1-V4-ND‡†	.72	.60	.51	—	—	—
13	5000	200-2000%	40	100/100	Dip	PS2566-1-A-ND†	1.02	.85	.72	—	—	—
13	5000	200-2000%	40	100/100	SMT	PS2566L-1-ND§†	1.07	.89	.75	PS2566L-1TR-ND†	2,000	499.50/M
1	5000	80-160%	80	3/5	Dip	PS2581L1-H-A-ND† ***NEW!***	.68	.57	.48	—	—	—
1	3750	50-300%	40	3/5	SOP	PS2701-1A-ND†	.56	.47	.40	PS2701-1ATR-ND†	3,500	204.00/M
1	3750	150-300%	40	3/5	SOP	PS2701-1-P-A-ND† ***NEW!***	.47	.40	.34	—	—	—
1	3750	50-300%	70	5/7	SOP	PS2701A-1-ND§†	.48	.40	.34	PS2701A-1TR-ND†	3,500	240.00/M
1	3750	150-300%	70	5/7	SOP	PS2701A-1-P-A-ND† ***NEW!***	.44	.37	.32	—	—	—
4	3750	200-2000%*	40	200/200	SOP	PS2702-1A-ND†	.98	.82	.69	PS2702-1ATR-ND†	3,500	450.00/M
1	3750	50-400%	120	10/10	SOP	PS2703-1A-ND†	.66	.55	.47	PS2703-1ATR-ND†	3,500	282.00/M
1	3750	200-400%	120	10/10	SOP	PS2703-1-K-A-ND† ***NEW!***	.59	.50	.42	—	—	—
1	3750	50-150%	120	10/10	SOP	PS2703-1-M-A-ND† ***NEW!***	.59	.50	.42	—	—	—
2	3750	50-400%	120	10/10	SOP	PS2703-2-ND	1.44	1.20	1.02	—	—	—
10	3750	50-300%	40	3/5	SOP	PS2705-1A-ND†	.69	.58	.49	PS2705-1ATR-ND†	3,500	345.00/M
10	3750	50-300%	70	5/7	SOP	PS2705A-1-ND§†	.51	.43	.36	PS2705A-1TR-ND†	3,500	255.00/M
13	3750	200-2000%	40	200/200	SOP	PS2706-1-ND§†	1.05	.88	.74	PS2706-1TR-ND†	3,500	457.50/M
1	3750	100-200%	40	4/5	SOP	PS2711-1-M-A-ND† ***NEW!***	.51	.43	.36	—	—	—
16	2500	1500-4000%	300	100/100	SOP	PS2732-1-ND§†	1.31	1.10	.93	PS2732-1TR-ND†	3,500	540.00/M
16	2500	1500-4000%	350	100/100	SOP	PS2733-1A-ND§†	1.57	1.31	1.11	PS2733-1ATR-ND†	3,500	813.00/M
1	3750	50-400%*	40	4/5	SOP	PS2761-1ACT-ND§†	.74	.62	.52	PS2761-1ATR-ND†	3,500	367.50/M
10	3750	50-400%	40	4/5	SOP	PS2765-1A-ND§†	.89	.75	.63	PS2765-1ATR-ND†	3,500	403.50/M
1	2500	80-600%	80	3/5	SSOP	PS2801-1ACT-ND§†	1.50	1.25	1.06	PS2801-1ATR-ND†	3,500	375.00/M
1	2500	100-300%	80	3/5	SOP	PS2801-1-L-A-ND† ***NEW!***	.63	.53	.45	—	—	—

Cut Tape pricing * 10.16mm (0.4") wide row spacing; standard spacing is 7.62mm (0.3") ‡ VDE Approved † *RoHS Compliant*

Fig. 1

Photo Transistor Output Dip or SMT

Fig. 2

Dual Photo Transistor Output Dip or SMT

Fig. 3

Quad Photo Transistor Output Dip or SMT

Fig. 4

Photo Darlington Output Dip or SMT

Fig. 5

Dual Photo Darlington Output Dip or SMT

Fig. 6

Quad Photo Darlington Output Dip or SMT

Fig. 7

Photo Transistor Output Dip or SMT

Fig. 8

Photo Transistor Output Dip or SMT

Fig. 9

Photo Transistor Output Dip or SMT

Fig. 10

Photo Transistor Output Dip or SMT

Fig. 11

Dual Photo Transistor Output Dip or SMT

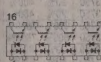
Fig. 12

Quad Photo Transistor Output Dip or SMT

Fig. 13

Photo Darlington Output Dip

Fig. 14

Dual Photo Darlington Output Dip

Fig. 15

Quad Photo Darlington Output Dip

Fig. 16

Photo Darlington Output Dip or SMT

TT electronics Optoisolators

OPTEK Technology

OPI1264 Series: Optically coupled isolators, each consisting of an infrared emitting diode coupled to an NPN silicon phototransistor and sealed in a precast opaque housing.

OPI155 Series: Contains a high speed monolithic photo-IC comprised of a photodiode and DC amplifier driving an open collector output Schottky transistor.

Fig. 1

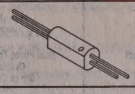


Fig. 2

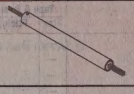


Fig.	Isolation Voltage	Forward DC Current (mA)	Reverse DC Voltage	DC Current Transfer Ratio	Digi-Key Part No.	Price Each 1	100	250	TT Electronics Part No.
1	±10k	40	2.0	25%	365-1031-ND	2.89	2.11	1.95	OPI1264A
	±10k	40	2.0	50%	365-1032-ND	2.95	2.15	1.99	OPI1264B
	±10k	40	2.0	100%	365-1033-ND	3.00	2.19	2.03	OPI1264C
2	±50k	50	3.0	25mA	365-1034-ND	70.94	51.60	47.73	OPI155

LITEON Optoisolators

Fig. 1

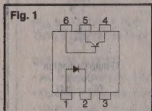


Fig. 2

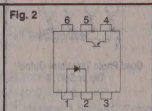


Fig. 3

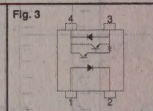


Fig. 4

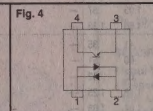


Fig. 5

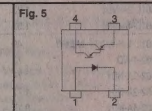


Fig. 6

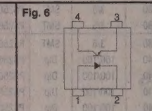


Fig. 7

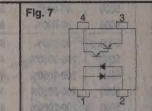


Fig. 8

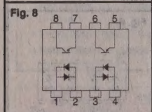


Fig. 9

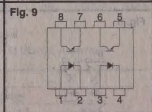


Fig. 10

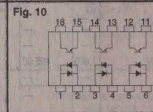


Fig. 11

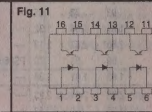


Fig. 12

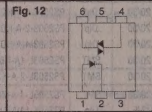


Fig. 13

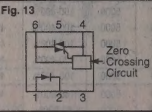


Fig.	Isolation Volt.	Current Transfer Ratio Min.	Max.	VCEO (Max.)	Typ. t_{on}/t_{off} (µsec.)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100	Lite-On Part No.
1	2500	20%	–	30	3.0/3.0	DIP	160-1300-5-ND	.32	.25	.19	4N25
	2500	20%	–	30	3.0/3.0	SMT	160-1301-5-ND	.34	.28	.20	4N25S
	1500	20%	–	30	3.0/3.0	DIP	160-1302-5-ND	.32	.25	.19	4N26
	1500	20%	–	30	3.0/3.0	SMT	160-1303-5-ND	.34	.26	.20	4N26S
	3550	100%	–	30	3.0/3.0	DIP	160-1304-5-ND	.32	.25	.19	4N35
	3550	100%	–	30	3.0/3.0	SMT	160-1305-5-ND	.32	.25	.19	4N35S
	1500	100%	–	30	3.0/3.0	DIP	160-1306-5-ND	.32	.25	.19	4N37
	1500	100%	–	30	3.0/3.0	SMT	160-1307-5-ND	.34	.26	.20	4N37S
	5000	40%	80%	70	5.0/5.0	DIP	160-1308-5-ND	.32	.25	.19	CNY17-1
	5000	40%	80%	70	5.0/5.0	SMT	160-1309-5-ND	.34	.26	.20	CNY17-1S
	5000	63%	125%	70	5.0/5.0	DIP	160-1310-5-ND	.44	.33	.25	CNY17-2
	5000	63%	125%	70	5.0/5.0	SMT	160-1311-5-ND	.50	.38	.29	CNY17-2S
	5000	100%	200%	70	5.0/5.0	DIP	160-1312-5-ND	.32	.25	.19	CNY17-3
	5000	100%	200%	70	5.0/5.0	SMT	160-1313-5-ND	.34	.26	.20	CNY17-3S
	5000	160%	320%	70	5.0/5.0	DIP	160-1314-5-ND	.32	.25	.19	CNY17-4
	5000	160%	320%	70	5.0/5.0	SMT	160-1315-5-ND	.34	.26	.20	CNY17-4S
2	5000	40%	80%	70	5.0/5.0	DIP	160-1316-5-ND	.32	.25	.19	CNY17F-1
	5000	40%	80%	70	5.0/5.0	SMT	160-1317-5-ND	.34	.28	.20	CNY17F-1S
	5000	63%	125%	70	5.0/5.0	DIP	160-1318-5-ND	.32	.25	.19	CNY17F-2
	5000	63%	125%	70	5.0/5.0	SMT	160-1319-5-ND	.34	.26	.20	CNY17F-2S
	5000	100%	200%	70	5.0/5.0	DIP	160-1320-5-ND	.33	.25	.19	CNY17F-3
	5000	100%	200%	70	5.0/5.0	SMT	160-1321-5-ND	.34	.26	.20	CNY17F-3S
	5000	160%	320%	70	5.0/5.0	DIP	160-1322-5-ND	.32	.25	.19	CNY17F-4
	5000	160%	320%	70	5.0/5.0	SMT	160-1323-5-ND	.34	.26	.20	CNY17F-4S
1	5000	50%	–	30	2.8/4.5	DIP	160-1324-5-ND	.32	.25	.19	H11A1
	5000	50%	–	30	2.8/4.5	SMT	160-1325-5-ND	.34	.28	.20	H11A1S
	5000	20%	–	30	2.8/4.5	DIP	160-1326-5-ND	.32	.25	.19	H11A2
	5000	20%	–	30	2.8/4.5	SMT	160-1327-5-ND	.34	.26	.20	H11A2S
	5000	20%	–	300	5.0/5.0	DIP	160-1328-5-ND	.76	.57	.43	H11D1
	5000	20%	–	300	5.0/5.0	SMT	160-1329-5-ND	.78	.59	.44	H11D1S
3	3750	1000%	–	300	100/20	SMT	160-1331-1-ND	.51	.43	.35	LTV-352T
	3750	1000%	–	300	100/20	SMT	160-1381-2-ND*	192.38/750			LTV-352T
4	3750	20%	400%	35	4.0/3.0	SMT	160-1333-1-ND	.30	.25	.20	LTV-354T
	3750	20%	400%	35	4.0/3.0	SMT	160-1333-2-ND*	112.50/750			LTV-354T
5	3750	600%	7500%	35	60/53	SMT	160-1335-1-ND	.23	.19	.15	LTV-355T
	3750	600%	7500%	35	60/53	SMT	160-1335-2-ND*	96.75/750			LTV-335T
6	3750	50%	600%	80	4.0/3.0	SMT	160-1337-1-ND	.23	.19	.15	LTV-356T
	3750	50%	600%	80	4.0/3.0	SMT	160-1337-2-ND*	84.38/750			LTV-356T
	3750	50%	600%	35	4.0/3.0	SMT	160-1339-1-ND	.23	.19	.15	LTV-357T
	3750	50%	600%	35	4.0/3.0	SMT	160-1339-2-ND*	84.38/750			LTV-357T
2	5000	40%	320%	70	2.0/2.0	DIP	160-1340-5-ND	.32	.25	.19	LTV-702F
	5000	40%	320%	70	2.0/2.0	SMT	160-1341-5-ND	.34	.26	.20	LTV-702FS
1	5000	40%	320%	70	2.0/2.0	DIP	160-1342-5-ND	.32	.25	.19	LTV-702V
4	5000	20%	300%	35	4.0/3.0	DIP	160-1344-5-ND	.35	.27	.20	LTV-814
4	5000	20%	300%	35	4.0/3.0	SMT	160-1345-5-ND	.36	.28	.21	LTV-814S
8	5000	20%	300%	35	4.0/3.0	DIP	160-1346-5-ND	.70	.53	.40	LTV-824
	5000	20%	300%	35	4.0/3.0	SMT	160-1347-5-ND	.72	.54	.41	LTV-824S
10	5000	20%	300%	35	4.0/3.0	DIP	160-1348-5-ND	1.40	1.05	.79	LTV-844
	5000	20%	300%	35	4.0/3.0	SMT	160-1349-5-ND	1.42	1.07	.80	LTV-844S
4	5000	20%	80%	35	4.0/3.0	DIP	160-1350-5-ND	.40	.30	.23	LTV-814H
	5000	20%	80%	35	4.0/3.0	SMT	160-1351-5-ND	.42	.32	.24	LTV-814HS
8	5000	20%	80%	35	4.0/3.0	DIP	160-1352-5-ND	.80	.60	.45	LTV-824H
7	5000	600%	7500%	35	60/53	DIP	160-1356-5-ND	.63	.48	.36	LTV-8141
	5000	600%	7500%	35	60/53	SMT	160-1357-5-ND	.64	.49	.37	LTV-8141S
5	5000	600%	7500%	35	60/53	DIP	160-1358-5-ND	.32	.24	.18	LTV-815
	5000	600%	7500%	35	60/53	SMT	160-1359-5-ND	.33	.25	.19	LTV-815S
6	5000	50%	600%	80	4.0/3.0	DIP	160-1360-5-ND	.25	.19	.15	LTV-816
	5000	50%	600%	80	4.0/3.0	SMT	160-1361-5-ND	.26	.20	.15	LTV-816S
9	5000	50%	600%	80	4.0/3.0	DIP	160-1362-5-ND	.50	.38	.29	LTV-826
	5000	50%	600%	80	4.0/3.0	SMT	160-1363-5-ND	.52	.39	.30	LTV-826S
11	5000	50%	600%	80	4.0/3.0	DIP	160-1364-5-ND	1.00	.75	.57	LTV-846
	5000	50%	600%	80	4.0/3.0	SMT	160-1365-5-ND	1.02	.77	.58	LTV-846S
6	5000	50%	600%	35	4.0/3.0	DIP	160-1366-5-ND	.25	.19	.15	LTV-817
	5000	50%	600%	35	4.0/3.0	SMT	160-1367-5-ND	.26	.20	.15	LTV-817S
9	5000	50%	600%	35	4.0/3.0	DIP	160-1368-5-ND	.50	.38	.29	LTV-827
	5000	50%	600%	35	4.0/3.0	SMT	160-1369-5-ND	.64	.48	.36	LTV-827S
11	5000	50%	600%	35	4.0/3.0	DIP	160-1370-5-ND	1.00	.76	.57	LTV-847
	5000	50%	600%	35	4.0/3.0	SMT	160-1371-5-ND	1.02	.77	.58	LTV-847S

*Tape and Reel Part No.

Triac Output Optoisolators

Fig.	Max. IF Isolation Voltage	Min. Trigger (mA)	Max. Blocking Voltage	IR (µA)	Package Type	Digi-Key Part No.	Price Each 1	10	100	Lite-On Part No.
12	5000	30	400V	10	DIP	160-1372-5-ND	.53	.48	.36	MOC3020
	5000	30	400V	10	SMT	160-1373-5-ND	.64	.49	.37	MOC3020S
	5000	15	400V	10	DIP	160-1374-5-ND	.63	.48	.36	MOC3021
	5000	15	400V	10	SMT	160-1375-5-ND	.64	.49	.37	MOC3021S
	5000	10	400V	10	DIP	160-1376-5-ND	.63	.48	.36	MOC3022
	5000	10	400V	10	SMT	160-1377-5-ND	.64	.49	.37	MOC3022S
	5000	5	400V	10	DIP	160-1378-5-ND	.63	.48	.36	MOC3023
	5000	5	400V	10	SMT	160-1379-5-ND	.64	.49	.37	MOC3023S
13	5000	5	600V	10	DIP	160-1722-5-ND	.58	.49	.39	MOC3063
	5000	5	600V	10	SMT	160-1723-1-ND	.60	.51	.41	MOC3063S-TA1
	5000	5	600V	10	SMT	160-1723-2-ND*	301.50/1,000			MOC3063S-TA1

*Tape and Reel Part No.

LUMEX Optolinks

Specifications: • Isolation Voltage: 5000 • VCEO (Max.): 60V • Typical tr/tf: 5 µs/4 µs

Fig. 1

Photo Transistor Output DIP or SMT

Fig. 2

Dual Photo Transistor Output DIP or SMT

Fig. 3

Quad Photo Transistor Output DIP or SMT

Fig. 4

Photo Transistor Output DIP or SMT

Fig. 5

Photo Transistor Output DIP or SMT

Fig. 6

Quad Photo Transistor Output DIP or SMT

Fig. 7

Photo IC Output DIP or SMT

Voltage Regulator

Optoisolators with Photo-Transistor Output

Fig.	Current Transfer Ratio Min-Max.	Length L (mm)	Package	Digi-Key Part No.	Price Each 1	10	Tape and Reel Pricing‡	Lumex Part No.
1	60-600%	4.60	DIP	67-1560-5-ND	.51	.43	—	OCP-PCT114/E
	60-600%	4.60	SMT	67-1613-1-ND	.51	.43	564.40/2,000	OCP-PCT114/E-TR
2	60-600%	9.68	DIP	67-1561-5-ND	1.05	.88	—	OCP-PCT218/E
	60-600%	9.68	SMT	67-1614-1-ND	1.05	.88	581.00/1,000	OCP-PCT218/E-TR
3	60-600%	19.84	DIP	67-1562-5-ND	1.83	1.53	—	OCP-PCT4116/E
	60-600%	19.84	SMT	67-1616-5-ND	1.83	1.53	—	OCP-PCT4116/E-TR
4	60-600%	7.30	DIP	67-1563-5-ND	.39	.33	—	OCP-PCTB116/E
	60-600%	7.30	SMT	67-1615-1-ND	.39	.33	215.80/1,000	OCP-PCTB116/E-TR
5	60-600%	4.60	DIP	67-1584-5-ND	.63	.53	—	OCP-PCT124/A
	60-600%	4.60	SMT	67-1616-1-ND	.63	.53	697.20/2,000	OCP-PCT124/A-TR
6	60-600%	19.84	DIP	67-1565-5-ND	2.89	2.41	—	OCP-PCT4216/A
	60-600%	19.84	SMT	67-1619-5-ND	2.89	2.41	—	OCP-PCT4216/A-TR

Optoisolators with Photo-IC Output

Fig.	Isolation Voltage	Prop Delay t_{PHL}/t_{PLH} (µS)	Length L (mm)	Pkg.	Digi-Key Part No.	Price Each 1	10	Tape and Reel Pricing 1,000‡	Lumex Part No.
7	5000	5/3	7.3	DIP	67-1566-5-ND	1.64	1.37	—	OCP-PCP116
	5000	5/3	7.3	SMT	67-1617-1-ND	1.64	1.37	904.70	OCP-PCP116-TR

‡ For Tape and Reel part number, change 1-ND to 2-ND.

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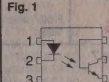
TOSHIBA Transistor Output Optoisolators

Fig.	Pkg.	Current Transfer Ratio Min. (%)	Max. (%)	@IF (mA)	VCE (V)	Collector Breakdown V(BR)	Isolation Voltage (Vrms)	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing
1	Dip	100	1200	1	0.5	55	5000	TLP631F-NDΔ	1.08	.90	.72	—	—	—
	Dip	50	600	5	5	55	5000	TLP631-ND	.75	.63	.50	—	—	—
	Dip	100	600	5	5*	55	5000	TLP631GB-ND	.75	.63	.50	—	—	—
	Dip	20	—	10	10	30	2500	4N25ASHORT-ND	.60	.45	.34	—	—	—
	Dip	20	—	10	10	30	2500	4N25SHORT-ND	.48	.36	.27	—	—	—
	Dip	20	—	10	10	30	2500	4N25SHORTF-NDΔ	.56	.42	.32	—	—	—
	Dip	100	—	10	10	30	2500	4N35SHORT-ND	.48	.36	.27	—	—	—
	Dip	10	—	10	10	80	2500	4N38SHORT-ND	.64	.49	.37	—	—	—
2	Dip	100	1200	1	0.5	55	5000	TLP332-ND	1.08	.90	.72	—	—	—
	Dip	100	1200	1	0.5	55	5000	TLP332F-NDΔ	1.08	.90	.72	—	—	—
	Dip	50	600	5	5	55	5000	TLP632-ND	1.07	.89	.71	—	—	—
	Dip(.4)	50	600	5	5	80	4000	TLP732D4-GR-LF2-ND	1.14	.95	.76	—	—	—
3	Dip	100	600	5	0.5	55	5000	TLP630GB-TAIE-ND	.75	.63	.50	—	—	—
	SMD	100	1200	1	0.5	80	3750	TLP124-ND	.88	.66	.50	—	—	—
	SMD	100	1200	1	0.5	80	3750	TLP124FCT-NDΔ	.88	.66	.50	TLP124FTR-NDΔ	3,000	286.00/M
	SMD	200	1200	1	0.5	80	3750	TLP124BV-ND	.92	.69	.52	—	—	—
4	SMD	200	1200	1	0.5	80	3750	TLP124BVFCT-ND†Δ	.92	.69	.52	TLP124BVFTR-NDΔ	3,000	299.00/M
	Dip	50	600	5	5	80	3750	TLP181-ND	.48	.36	.27	—	—	—
	SMD	100	600	5	5	80	3750	TLP181GBF-ND Δ	.48	.36	.27	—	—	—
	SMD	100	600	5	5	80	3750	TLP181GB-ND	.48	.36	.27	—	—	—
	SMD	100	600	5	5	80	3750	TLP181GBFCT-ND†Δ	.48	.36	.27	TLP181GBFTR-NDΔ	3,000	156.00/M
	SMD	100	300	5	5	80	3750	TLP181GRFCT-ND†Δ	.48	.36	.27	TLP181GRFTR-NDΔ	3,000	156.00/M
5	SMD	50	600	5	5	80	3750	TLP131-ND	.90	.75	.60	—	—	—
	SMD	100	600	5	5	80	3750	TLP131GB-ND	.90	.75	.60	—	—	—
	SMD	100	1200	1	0.5	80	3750	TLP137-ND	.84	.70	.56	—	—	—
6	Dip	50	600	5	—	55	5000	TLP621-ND	.69	.52	.39	—	—	—
	Dip	200	600	5	—	55	5000	TLP621BLTF-NDΔ	.56	.42	.32	—	—	—
	SMD	50	600	5	5	55	5000	TLP621D4-TP1CT-ND*†	.75	.63	.50	—	—	—
	Dip(.4)	50	150	5	5	55	5000	TLP621D4-Y-LF2-ND*	.60	.45	.34	—	—	—
	Dip(.4)	50	150	5	5	55	5000	TLP621D4-Y-LF2T-ND*	.56	.42	.32	—	—	—
	Dip	100	600	5	—	55	5000	TLP621GBT-ND	.52	.39	.30	—	—	—
	Dip	100	600	5	—	55	5000	TLP621GBTF-NDΔ	.52	.39	.30	—	—	—
	Dip	100	300	5	—	55	5000	TLP621GRT-ND	.52	.39	.30	—	—	—
	Dip	50	600	5	—	55	5000	TLP621-2-ND	1.38	1.16	.93	—	—	—
	Dip	100	600	5	—	55	5000	TLP621-2GB-ND	1.05	.88	.70	—	—	—
	Dip	100	300	5	5	55	5000	TLP621-2GRT-ND	1.05	.88	.70	—	—	—
	SMD	50	600	5	0.5	55	5000	TLP621LF1T-ND	.92	.69	.52	—	—	—
	Dip	50	600	5	—	55	5000	TLP621-4-ND	2.13	1.70	1.28	—	—	—
	Dip	100	600	5	—	55	5000	TLP621-4GB-ND	2.13	1.70	1.28	—	—	—
	SMD	100	1200	1	0.5	55	5000	TLP624LF1-ND	.75	.63	.50	—	—	—
7	Dip	100	1200	1	—	55	5000	TLP624-ND	.96	.72	.54	—	—	—
	Dip	100	1200	1	—	55	5000	TLP624F-NDΔ	.96	.72	.54	—	—	—
	Dip	100	1200	1	—	55	5000	TLP624-2-ND	1.25	1.00	.75	—	—	—
	Dip	100	1200	1	—	55	5000	TLP624-4-ND	2.25	1.80	1.40	—	—	—
	Dip	100	1200	±1	—	55	5000	TLP626-ND	1.05	.88	.70	—	—	—
	Dip	200	1200	1	0.5	55	5000	TLP626BV-ND	.95	.76	.57	—	—	—
	Dip	50	600	±5	—	55	5000	TLP620-ND	.72	.54	.41	—	—	—
	Dip	50	600	±5	—	55	5000	TLP620F-NDΔ	.60	.45	.34	—	—	—
	Dip	100	600	±5	—	55	5000	TLP620GB-ND	.72	.54	.41	—	—	—
	Dip	100	300	±5	—	55	5000	TLP620GR-ND	.72	.54	.41	—	—	—
	Dip	50	600	±5	—	55	5000	TLP620-2-ND	1.08	.90	.72	—	—	—
	Dip	100	600	±5	—	55	5000	TLP620-2GB-ND	1.14	.95	.76	—	—	—
	Dip	50	600	±5	—	55	5000	TLP620-4-ND	2.32	1.86	1.39	—	—	—
	Dip	100	600	±5	—	55	5000	TLP620-4GB-ND	1.68	1.34	1.01	—	—	—
	Dip	100	1200	±1	—	55	5000	TLP626-2-ND	1.75	1.40	1.05	—	—	—
	Dip	100	1200	±1	—	55	5000	TLP626-4-ND	3.38	2.70	2.10	—	—	—
8	SMD	100	600	5	5	80	2500	TLP280-4GB-ND	2.13	1.70	1.28	TLP280-4GBTR-ND	2,500	1100.80/M
9	SMD	100	600	5	5	80	2500	TLP280GB-ND	.88	.66	.50	TLP280GBTR-ND	2,500	286.00/M
10	SMD	100	600	5	5	80	2500	TLP281-4GB-ND	1.75	1.40	1.05	—	—	—
	SMD	100	600	5	5	80	2500	TLP281-4GBFCT-NDΔ	1.75	1.40	1.05	TLP281-4GBFTR-NDΔ	2,500	896.00/M
	SMD	100	600	5	5	80	2500	TLP281GB-ND	.72	.54	.41	—	—	—
	SMD	100	600	5	5	80	2500	TLP281GBFCT-ND†Δ	.72	.54	.41	TLP281GBFTR-NDΔ	2,500	234.00/M
	SMD	50	600	5	5	80	2500	TLP281GR-ND	.72	.54	.41	—	—	—
	SMD	100	400	1	5	100	2500	TLP283-ND	.80	.60	.45	—	—	—
11	Dip	100	300	5	5	55	4000	TLP721D4-GRLT-ND*	.64	.48	.36	—	—	—
	Dip	100	300	5	5	80	5000	TLP421GR-ND	.50	.40	.30	—	—	—
	SMD	100	300	5	5	80	5000	TLP421GRTP1CT-ND†	.55	.44	.33	TLP421GRTP1TR-ND	1,500	154.00/M
	Dip	50	600	60	—	80	5000	TLP421-ND	.49	.39	.30	—	—	—
	Dip	200	600	60	—	80	5000	TLP421BL-ND	.49	.40	.30	—	—	—
12	Dip	50	600	5	5	55	2500	TLP504A-ND	1.26	1.05	.84	—	—	—
	Dip	50	600	5	5	55	2500	TLP504AGB-ND	1.26	1.05	.84	—	—	—
13	SMD	100	400	1	5	100	2500	TLP283-4-ND	1.88	1.50	1.13	—	—	—
	Dip	50	600	5	5	55	2500	TLP504A-2-ND	2.10	1.68	1.26	—	—	—
	Dip	100	600	5	5	55	2500	TLP504A-2GB-ND	2.10	1.68	1.26	—	—	—
14	SMD	50	600	5	5	80	3750	TLP180FCT-ND†Δ	.80	.60	.45	TLP180FTR-NDΔ	3,000	260.00/M
	SMD	100	600	5	5	80	3750	TLP180GB-ND	.80	.60	.45	—	—	—
	SMD	100	600	5	5	80	3750	TLP180GBTPLFCT-ND†Δ	.80	.60	.45	TLP180GBTPLTR-NDΔ	3,000	260.00/M
	SMD	100	1200	±1	0.5	80	3750	TLP126-ND	.90	.75	.60	—	—	—
15	SMD	100	600	±5	5	80	3750	TLP130GB-ND	1.13	.94	.75	—	—	—

Fig. 1



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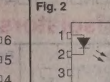
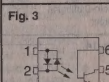


No Base Connection

Fig. 3



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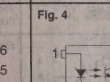

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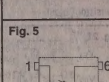


Fig. 6

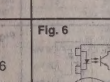


Fig. 7

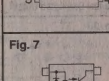


Fig. 8

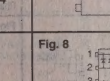


Fig. 9

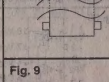


Fig. 10

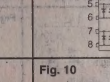


Fig. 11

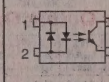


Fig. 12

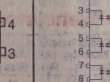


Fig. 13

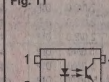


Fig. 14

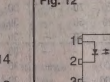
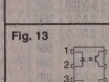


Fig. 15



* VDE Approved † Cut Tape Δ *RoHS Compliant*

Darlington Transistor Output

Fig. 1

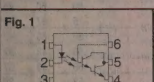


Fig. 2

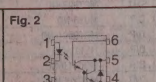
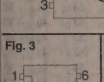


Fig. 3



No Base Connection

Fig. 4

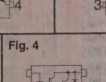


Fig. 5

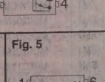


Fig.	Pkg.	Current Transfer Ratio Min. (%)	@IF (mA)	VCE (V)	Saturation Voltage Max. (V)	@IC (mA)	@IF (mA)	Collector Breakdown V(BR)	Isolation Volt.	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing
1	Dip	100	10	10	1	2	8	30	2500	4N29ASHORT-ND	.72	.54	.41	—	—	—
	Dip	100	10	10	1	2	8	30	2500	4N29SHORT-ND	.64	.48	.36	—	—	—
	Dip	500	10	10	1	2	8	30	2500	4N32SHORT-ND	.72	.54	.41	—	—	—
	Dip	500	10	10	1	2	8	30	2500	4N33SHORT-ND	.72	.54	.41	—	—	—
	Dip	1000	1	1	1.2	100	10	300	5000	TLP371-ND	.81	.68	.54	—	—	—
	Dip	1000	1	1	1.2	100	10	300	5000	TLP371F-NDΔ	.81	.68	.54	—	—	—
2	SMD	1000	1	1	1.2	100	10	300	5000	TLP371P1CT-ND†	.87	.73	.58	TLP371P1TR-ND	1,500	385.70/M
3	Dip	1000	1	1	1.2	100	10	300	5000	TLP372-ND	.90	.75	.60	—	—	—
4	Dip	1000	1	1	1.2	100	10	300	5000	TLP627F-NDΔ	.80	.60	.45	—	—	—
	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-2-ND	1.44	1.20	.96	—	—	—
	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-2F-NDΔ	1.44	1.20	.96	—	—	—
	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-4-ND	2.25	1.80	1.35	—	—	—
5	SMD	1000	1	1	1.2	100	10	300	2500	TLP127-ND	.84	.70	.56	—	—	—
	SMD	1000	1	1	1.2	100	10	300	2500	TLP127FCT-ND†Δ	.84	.70	.56	TLP127FTR-ND Δ	3,000	364.00/M

† Cut Tape Δ *RoHS Compliant*

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Optoisolators

Fig. 1 — Photo-Transistor Output

Fig. 2 — Photo-Darlington Output

Fig. 3 — High-Speed Transistor Output

Fig. 4 — High Gain Split Darlington Output

Fig. 5

Fig. 6 — AC Input Photo-Transistor Output

Fig. 7 — High Voltage Photo-Darlington Output

Fig. 8 — High Speed Transistor Output (Base not connected for HCLP0453)

Fig. 9 — Dual Channel High Speed Transistor Output

Fig. 10 — Dual Split Darlington Output

Fig. 11 — Dual Photo Transistor Output

Fig. 12 — SMT Dual Photo Transistor Output MCT9001QT-ND not SMT

Fig. 13 — Darlington Output

Fig. 14 — SMT Transistor Output

Fig. 15 — SMT Darlington Output

Fig. 16 — SMT AC Input Transistor Output

Fig. 17 — SMT Dual Channel Darlington Output

Fig. 18 — Non-Zero Crossing Triac Output

Fig. 19 — Zero-Cross Triac Output

Fig. 20 — High Speed Transistor

Fig. 21 — Dual Channel Darlington Output

Fig. 22 — High Gain Darlington Output

Fig. 23 — Optically Isolated Error Amplifier

Fig. 24 — Optically Isolated Error Amplifier

Fig. 25 — Logic Gate Optocouplers

Fig. 26 — Random-Phase Triac Driver Output

Fig. 27 — 4-Pin Transistor Output

Fig. 28 — High Speed TTL Buffered Output

Fig. 29 — High Speed TTL Inverted Output

Fig. 30 — High Speed CMOS Buffered Output

Fig. 31 — High Speed CMOS Inverted Output

Fig. 32 — Schmitt Trigger Inverted OC Output

Fig. 33 — Very High Speed TTL, 5V CMOS Output

Fig. 34 — Dual Very High Speed TTL, 5V CMOS Output

Fig. 35

Fig. 36

Fig. 37 — AC Line Monitor-TTL Output

Fig. 38 — Bilateral Analog FET Output

Fig. 39 *NEW!*

Fig. 40 *NEW!*

Photo Transistor Output Optoisolators

Fig.	Iso. Volt.	Current Transfer Ratio - Typ. (%) (Min.	Typ.	Max.)	V_{CEO} (Max.)	Typ. t_{on}/t_{off} (µsec.)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100
	5300	20	70	—	30	2.0/2.0	SMT	4N25SM-ND	.52	.42	.32
	5300	20	70	—	30	2.0/2.0	DIP	4N25MFS-ND	.52	.42	.32
1	5300	20	70	—	30	2.0/2.0	DIP	4N26MFS-ND	.52	.42	.32
	5300	20	50	—	30	2.0/2.0	DIP	4N27-ND	.56	.45	.34
	5300	10	50	—	30	2.0/2.0	DIP	4N27MFS-ND	.52	.42	.32
	5300	100	—	—	30	5.0/40	DIP	4N29-ND	.58	.46	.35
	5300	100	—	—	30	5.0/40	DIP	4N30-ND	.58	.46	.35
2	5300	500	—	—	30	5.0/100	DIP	4N32-ND	.58	.46	.35
	5300	500	—	—	30	5.0/100	SMT	4N32S-ND	.58	.46	.35
	5300	500	—	—	30	5.0/100	DIP	4N33-ND	.58	.46	.35
	5300	100	300	—	30	2.0/2.0	SMT	4N35SM-ND	.52	.42	.32
	5300	100	300	—	30	2.0/2.0	DIP	4N35MFS-ND	.52	.42	.32
	5300	100	—	—	30	2.0/2.0	DIP	4N35300-ND†	.56	.45	.34
1	5300	100	300	—	30	2.0/2.0	DIP	4N36M-ND	.52	.42	.32
	5300	100	300	—	30	2.0/2.0	DIP	4N37RS-ND	.56	.45	.34
	5300	100	300	—	30	2.0/2.0	DIP	4N37MFS-ND	.52	.42	.32
	5300	20	—	—	80	—	DIP	4N38-ND	.75	.57	.43
3	2500	7	18	50	15V	1.5/1.5	DIP	6N135QT-ND	.92	.69	.52
	2500	19	27	50	15V	8/8	DIP	6N136QT-ND	.92	.69	.52
4	2500	300	1300	—	7V	10/35	DIP	6N138QT-ND	.90	.75	.60
	2500	400	1100	—	18V	1/7	DIP	6N139QT-ND	.92	.69	.52
	5300	40	—	80	70	5.0/34	DIP	CNY171FS-ND	.54	.41	.31
	5300	40	60	80	70	5.0/34	DIP	CNY171MFS-ND	.52	.42	.32
	5300	63	100	125	70	8.0/39	DIP	CNY172M-ND	.52	.42	.32
	5300	100	150	200	70	8.0/39	DIP	CNY173M-ND	.52	.42	.32
1	5300	40	60	80	70	5.0/34	DIP	CNY171300-ND†	.54	.41	.31
	5300	63	100	125	70	8.0/39	DIP	CNY172FS-ND	.54	.41	.31
	5300	63	100	125	70	8.0/39	DIP	CNY172300-ND†	.54	.41	.31
	5300	100	150	200	70	8.0/39	DIP	CNY173FS-ND	.54	.41	.31
	5300	100	150	200	70	8.0/39	DIP	CNY173300-ND†	.54	.41	.31
	5300	160	—	320	70	8.0/39	DIP	CNY174FS-ND	.54	.41	.31
	5300	160	—	320	70	8.0/39	DIP	CNY174300-ND†	.54	.41	.31
	5300	50	120	—	70	—	DIP	H11A1FS-ND	.56	.45	.34
1	5300	50	120	—	30	2.0/2.0	SMT	H11A1SM-ND*	.52	.42	.32
	5300	50	120	—	30	2.0/2.0	DIP	H11A1300-ND†	.56	.45	.34
	5300	20	—	—	70	—	DIP	H11A2FS-ND	.56	.45	.34
	5300	20	—	—	30	—	DIP	H11AA1300-ND†	.74	.56	.42
6	2500	50	—	—	30	2.0/2.0	DIP	H11AA3-ND	.78	.59	.44
	5300	100	—	—	30	2.0/2.0	DIP	H11AA4-ND	.79	.60	.45
	4000	300	—	—	30	5.0/5.0	DIP	H11AG1-ND	.87	.66	.50
1	5300	100	—	300	70	15.0/15.0	DIP	H11AV1AM-ND▲	.66	.50	.37
	5300	100	—	300	70	15.0/15.0	DIP	H11AV1M-ND	.66	.50	.37
	5300	500	—	—	25	—	DIP	H11B1-ND	.59	.44	.33
2	5300	200	—	—	25	—	DIP	H11B2-ND	.59	.44	.33
	5300	100	—	—	55	25.0/18.0	DIP	H11B255-ND	.59	.44	.33
	5300	20	—	—	300	—	DIP	H11D1FS-ND	.75	.57	.43
1	5300	20	—	—	300	—	DIP	H11D2-ND	.75	.57	.43
	5300	20	—	—	300	5.0/5.0	DIP	H11D2300-ND†	.75	.57	.43
	5300	20	—	—	200	—	DIP	H11D3-ND	.75	.57	.43
7	4000	1000	—	—	100	5/100	DIP	H11G1-ND	.75	.57	.43
	5300	500	—	—	100	5.0/100	SMT	H11G1S-ND	.75	.57	.43
	4000	1000	—	—	80	5/100	DIP	H11G2-ND	.75	.57	.43
	5300	200	—	—	25	—	DIP	H11G3-ND	.70	.53	.40
3	2500	12	27	—	15V	4.5/3	DIP	HCPL2503QT-ND	.84	.70	.56
	2500	19	27	50	—	—	SOIC	HCPL0453R1CT-ND	1.68	1.34	1.01
	2500	19	27	50	—	—	SOIC	HCPL0453R1TR-ND◆		452.25/500	
	2500	7	27	50	—	—	SOIC	HCPL0530R1CT-ND	2.84	2.27	1.77
8	2500	7	27	50	—	—	SOIC	HCPL0530R1TR-ND◆		819.00/500	
	2500	19	27	50	—	—	SOIC	HCPL0531R1CT-ND	3.17	2.54	1.98
	2500	19	27	50	—	—	SOIC	HCPL0531R1TR-ND◆		916.50/500	
	2500	15	30	—	—	—	SOIC	HCPL0634R1CT-ND	3.49	2.79	2.17
	2500	15	30	—	—	—	SOIC	HCPL0634R1TR-ND◆		1007.50/500	
	2500	15	—	50	—	—	SOIC	FOD050LR1CT-ND	1.40	1.12	.84
	2500	15	—	50	—	—	SOIC	FOD050LR1TR-ND◆		378.00/500	
	5000	19	27	50	—	—	DIP	HCPL4503M-ND§	1.26	1.05	.84
	5000	19	27	50	—	—	SMT	HCPL4503SM-ND§	1.28	1.07	.85
8	5000	19	27	50	—	—	DIP	HCPL4503TM-ND§	1.28	1.07	.85
	5000	19	27	50	—	—	DIP	HCPL4503SDMCT-ND	1.29	1.08	.86
	5000	19	27	50	—	—	DIP	HCPL4503SDMTR-ND◆		571.90/1,000	
	5000	15	—	50	—	—	DIP	FOD250LSDCT-ND	1.40	1.12	.84
	5000	15	—	50	—	—	DIP	FOD250LSDTR-ND◆		728.00/1,000	
	2500	15	—	50	—	—	SOIC	FOD053LR1CT-ND	2.61	2.09	1.63
9	2500	15	—	50	—	—	SOIC	FOD053LR1TR-ND◆		754.00/500	
	2500	16	18	—	—	4.5/5	DIP	HCPL2530-ND	1.63	1.30	.98
	2500	19	27	—	—	45/3	DIP	HCPL2531-ND	1.63	1.30	.98
10	2500	300	—	—	7V	20/35	DIP	HCPL2730QT-ND	1.63	1.30	.98
	2500	400	—	—	18V	2/10	DIP	HCPL2731QT-ND	1.40	1.12	.84
	2500	20	70	—	30	5/5	DIP	MCT2-ND	.51	.39	.29
1	2500	120	225	—	30	6/19	DIP	MCT5201-ND	.87	.66	.50
	2500	70	400	—	30	10/12	DIP	MCT5210-ND	.87	.66	.50
	2500	150	350	—	30	20/20	DIP	MCT5211-ND	.94	.71	.54
	2500	50	—	—	30	2.4/15	DIP	MCT61-ND	.75	.57	.43
11	2500	100	—	—	30	2.4/15	DIP	MCT62-ND	.80	.60	.45
	2500	10	—	—	30	5.0/25.0	SMT	MCT62S-ND	.80	.60	.45
	2500	20	—	—	30	2.4/15	DIP	MCT6-ND	.75	.57	.43
12	2500	50	—	600	55	2.4/2.4	DIP	MCT9001-ND	.80	.60	.45
1	5300	100	300	—	70	10/10	DIP	TIL111-ND	.56	.43	.32
13	5300	300	450	—	30	3.5/95	DIP	MOC119-ND	.66	.50	.37
	3000	40	60	80	70	3.0/2.8	SMT	MOC205M-ND	.53	.40	.30
	3000	63	94	125	70	3.0/2.8	SMT	MOC206M-ND	.53	.40	.30
	3000	100	150	200	70	3.0/2.8	SMT	MOC207M-ND	.53	.40	.30
	3000	40	80	125	70	3.0/2.8	SMT	MOC208M-ND	.53	.40	.30
14	3000	20	65	—	30	7.5/5.7	SMT	MOC211M-ND	.53	.40	.30
	3000	50	90	—	30	7.5/5.7	SMT	MOC212M-ND	.53	.40	.30
	3000	100	140	—	30	7.5/5.7	SMT	MOC213M-ND	.53	.40	.30
	3000	20	—	—	30	4.0/4.0	SMT	MOC215M-ND	.53	.40	.30
	3000	100	—	—	30	4.0/4.0	SMT	MOC217M-ND	.53	.40	.30

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Fig.	Iso. Volt.	Current Transfer Ratio - Typ. (%) (Min.	Typ.	Max.)	VCEO (Max.)	Typ. ton/toff (µsec.)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100
15	3000	500	1000	—	30	3.5/95	SMT	MOC223M-ND	.67	.51	.38
16	3000	20	150	—	30	—	SMT	MOC256M-ND	.82	.62	.46
13	5300	500	—	—	50	3.5/95	DIP	MOC8020-ND	.64	.48	.36
	5300	1000	—	—	50	3.5/95	DIP	MOC8021-ND	.64	.48	.36
	5300	300	—	—	50	3.5/95	DIP	MOC8030-ND	.72	.54	.41
	5300	500	—	—	50	3.5/95	DIP	MOC8050-ND	.76	.57	.43
1	5300	50	100	—	30	20.0/20.0	DIP	MOC8100M-ND	.52	.42	.32
5	5300	50	65	80	30	7.5/5.7	DIP	MOC8101-ND	.52	.39	.30
	5300	50	—	150	70	7.5/5.7	DIP	MOC8106-ND	.52	.39	.30
	5300	20	—	—	70	6.0/5.5	DIP	MOC8111-ND	.58	.46	.35
	5300	50	—	—	70	6.0/5.5	DIP	MOC8112-ND	.58	.46	.35
	5300	100	—	—	70	6.0/5.5	DIP	MOC8113-ND	.58	.46	.35
12	2500	100	150	200	70	3.0/2.8	SMT	MOCD207M-ND	.79	.66	.53
	2500	40	—	125	70	3.0/2.8	SMT	MOCD208M-ND	.79	.66	.53
	2500	20	65	—	30	7.5/5.7	SMT	MOCD211M-ND	.79	.66	.53
	2500	100	—	—	70	3.0/2.8	SMT	MOCD213M-ND	.79	.66	.53
	2500	100	130	—	30	7.5/5.7	SMT	MOCD217M-ND	.79	.66	.53
17	2500	500	1000	—	30	3.5/95	SMT	MOCD223M-ND	.90	.75	.60
20	3750	20	—	50	—	—	MFP	FODM452R1VCT-ND	1.43	1.14	.86
	3750	20	—	50	—	—	MFP	FODM452R1VTR-ND◆	384.75/500		
	3750	20	—	50	—	—	MFP	FODM453R1VCT-ND	1.48	1.18	.89
	3750	20	—	50	—	—	MFP	FODM453R1VTR-ND◆	398.25/500		
17B	2500	100	—	—	75	—	BGA	FODB100VCT-ND	3.15	2.52	1.96
	2500	100	—	—	75	—	BGA	FODB100VTR-ND◆	5292.00/3,000		
	2500	100	—	—	75	—	BGA	FODB101VCT-ND	3.15	2.52	1.96
	2500	100	—	—	75	—	BGA	FODB101VTR-ND◆	5292.00/3,000		
	2500	100	—	—	75	—	BGA	FODB102VCT-ND	3.15	2.52	1.96
	2500	100	—	—	75	—	BGA	FODB102VTR-ND◆	5292.00/3,000		
21	2500	300	—	5000	—	—	SOIC	HCPL0730R1CT-ND	2.84	2.27	1.77
	2500	300	—	5000	—	—	SOIC	HCPL0730R1TR-ND◆	819.00/500		
	2500	500	—	5000	—	—	SOIC	HCPL0731R1CT-ND	3.17	2.54	1.98
	2500	500	—	5000	—	—	SOIC	HCPL0731R1TR-ND◆	916.50/500		
22	2500	400	—	7000	—	—	SOIC	FOD070L R1CT-ND	1.53	1.22	.92
	2500	400	—	7000	—	—	SOIC	FOD070LR1TR-ND◆	411.75/500		
	2500	400	—	7000	—	—	SOIC	FOD073LR1CT-ND	3.24	2.60	2.02
	2500	400	—	7000	—	—	SOIC	FOD073LR1TR-ND◆	936.00/500		
	5000	400	—	7000	—	—	DIP	FOD270LSDCT-ND	1.40	1.12	.84
	5000	400	—	7000	—	—	DIP	FOD270LSDTR-ND◆	728.00/1,000		
23	5000	50	—	100	70	—	DIP	FOD2743ASDVCT-ND	1.20	1.00	.80
	5000	50	—	100	70	—	DIP	FOD2743ASDVTR-ND ◆	532.00/1,000		
	5000	50	—	100	70	—	DIP	FOD2743BSDVCT-ND	.87	.73	.58
	5000	50	—	100	70	—	DIP	FOD2743BSDVTR-ND◆	385.70/1,000		
	5000	50	—	100	70	—	DIP	FOD2743CSDVCT-ND	.84	.70	.56
	5000	50	—	100	70	—	DIP	FOD2743CSDVTR-ND◆	372.40/1,000		
24	2500	100	—	200	30	—	SOIC	FOD2712R1VCT-ND†	.96	.80	.64
	2500	100	—	200	30	—	SOIC	FOD2712R1VTR-ND†◆	224.00/500		
	5000	100	—	200	30	—	DIP	FOD2741ASDVCT-ND†	1.20	1.00	.80
	5000	100	—	200	30	—	DIP	FOD2741ASDVTR-ND†◆	532.00/1,000		
	5000	100	—	200	30	—	DIP	FOD2741BSDVCT-ND†	.87	.73	.58
	5000	100	—	200	30	—	DIP	FOD2741BSDVTR-ND†◆	385.70/1,000		
	5000	100	—	200	30	—	DIP	FOD2741CSDVCT-ND†	.84	.70	.56
	5000	100	—	200	30	—	DIP	FOD2741CSDVTR-ND†◆	372.40/1,000		
	2500	100	140	200	70	—	SOIC	FOD2742AR1VCT-ND†	1.05	.88	.70
	2500	100	140	200	70	—	SOIC	FOD2742AR1VTR-ND†◆	465.50/1,000		
	2500	100	140	200	70	—	SOIC	FOD2742BR1VCT-ND†	.51	.68	.54
	2500	100	140	200	70	—	SOIC	FOD2742BR1VTR-ND†◆	359.10/1,000		
	2500	100	140	200	70	—	SOIC	FOD2742CR1VCT-ND†	.75	.63	.50
	2500	100	140	200	70	—	SOIC	FOD2742CR1VTR-ND†◆	332.50/1,000		
25	5000	—	—	—	—	—	DIP	FOD2200SDVCT-ND	2.27	1.82	1.42
	5000	—	—	—	—	—	DIP	FOD2200SDVTR-ND◆	1287.75/1,000		

† VDE approval ▲ .4" Lead Spacing ◆ Tape and Reel Part No. § Bulk

SCR and Triac Output Optoisolators

Fig.	Iso. Volt.	Max IF Trigger (mA) -	Min. Blocking Voltage	Max. IDRM	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100
18	5300	15	250V	100	DIP	MOC3010M-ND	.64	.48	.36
	5300	10	250V	100	DIP	MOC3011M-ND	.64	.48	.36
	5300	5	250V	100	DIP	MOC3012M-ND	.64	.48	.36
	5300	5	250V	100	SMT	MOC3012SM-ND	.64	.48	.36
	5300	30	400V	100	DIP	MOC3020MFS-ND	.64	.48	.36
	5300	15	400V	100	DIP	MOC3021MFS-ND	.64	.48	.36
	5300	10	400V	100	DIP	MOC3022MFS-ND	.64	.48	.36
	5300	10	400V	100	DIP	MOC3022VM-ND†	.64	.48	.36
	5300	5	400V	100	SMT	MOC3023SM-ND	.64	.48	.36
	5300	5	400V	100	DIP	MOC3023MFS-ND	.64	.48	.36
19	5300	15	250V	100	DIP	MOC3031M-ND	.96	.72	.54
	5300	10	250V	100	DIP	MOC3032M-ND	.96	.72	.54
	5300	5	250V	100	DIP	MOC3033M-ND	.96	.72	.54
	5300	15	400V	100	DIP	MOC3041M-ND	.88	.66	.50
	5300	10	400V	100	DIP	MOC3042M-ND	.92	.69	.52
	5300	5	400V	100	DIP	MOC3043M-ND	.92	.69	.52
18	5300	15	600V	100	DIP	MOC3051M-ND	.76	.57	.43
	5300	10	600V	100	DIP	MOC3052M-ND	.91	.69	.52
19	5300	15	600V	500	DIP	MOC3061M-ND	.92	.69	.52
	5300	10	600V	500	DIP	MOC3062M-ND	.96	.72	.54
	5300	5	600V	500	DIP	MOC3063M-ND	.76	.63	.51
	5300	5	600V	500	DIP	MOC3063TM-ND▲	.79	.66	.53
	5300	15	800V	500	DIP	MOC3081M-ND	.90	.75	.60
19	5300	10	800V	500	DIP	MOC3082M-ND	.90	.75	.60
	5300	5	800V	500	DIP	MOC3083M-ND	.90	.75	.60
	5300	5	600V	100	DIP	MOC3163M-ND	1.58	1.26	.95
26	3750	15	250V	100nA	MFP	FODM3010R3VCT-ND	.84	.63	.48
	3750	15	250V	100nA	MFP	FODM3010R3VTR-ND◆	147.00/500		
	3750	10	250V	100nA	MFP	FODM3011R3VCT-ND	.90	.68	.51
	3750	10	250V	100nA	MFP	FODM3011R3VTR-ND◆	157.50/500		
	3750	5	250V	100nA	MFP	FODM3012R3VCT-ND	.77	.84	.51
	3750	5	250V	100nA	MFP	FODM3012R3VTR-ND◆	178.50/500		
	3750	15	400V	100nA	MFP	FODM3021R3VCT-ND	.86	.72	.57
	3750	15	400V	100nA	MFP	FODM3021R3VTR-ND◆	199.50/500		
	3750	10	400V	100nA	MFP	FODM3022R3VCT-ND	.95	.79	.63
	3750	10	400V	100nA	MFP	FODM3022R3VTR-ND◆	220.50/500		
	3750	5	400V	100nA	MFP	FODM3023R3VCT-ND	.99	.83	.66
	3750	5	400V	100nA	MFP	FODM3023R3VTR-ND◆	231.00/500		
	3750	15	600V	100nA	MFP	FODM3051R3VCT-ND	1.04	.87	.69
	3750	15	600V	100nA	MFP	FODM3051R3VTR-ND◆	241.50/500		
	3750	10	600V	100nA	MFP	FODM3052R3VCT-ND	1.13	.94	.75
	3750	10	600V	100nA	MFP	FODM3052R3VTR-ND◆	262.50/500		
	3750	5	600V	100nA	MFP	FODM3053R3VCT-ND	1.22	1.02	.81
	3750	5	600V	100nA	MFP	FODM3063R3VTR-ND◆	283.50/500		

† VDE approval ▲ .4" Lead Spacing ◆ Tape and Reel Part No.

4-Pin Couplers

Fig.	Isolation Voltage	Current Transfer Ratio	VCEO (Max.)	Typ. ton/toff (µsec.)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100
27A	5300	20-300%	35	2.4/2.4	DIP	H11AA814-ND	.48	.39	.29
	5300	50-150%	35	2.4/2.4	DIP	H11AA814A-ND	.48	.39	.29
27A	2500	50-600%	7	3/3	DIP	HMHAA280R1CT-ND◊ **NEW!**	.54	.43	.33
	2500	50-600%	7	3/3	DIP	HMHAA280R1TR-ND◆◊ **NEW!**	97.94/500		
27B	5300	50-600%	35	2.4/2.4	DIP	H11A817-ND	.39	.32	.22
	5300	80-160%	35	2.4/2.4	DIP	H11A817A-ND	.39	.32	.22
	5300	130-260%	35	2.4/2.4	DIP	H11A817B-ND	.39	.32	.22
	5300	200-400%	35	2.4/2.4	DIP	H11A817C-ND	.39	.32	.22
	5300	300-600%	35	2.4/2.4	DIP	H11A817D-ND	.42	.34	.26

◆ Tape and Reel Part No. ◊ *RoHS Compliant*

Logic Output Optoisolators

Fig.	Function	Input: LSTTL Output	15M Baud Rt. Output Configuration	Package Type	Digi-Key Part No.	Price Each 1	10	100
28	Buff.	TTL	Totem Pole	DIP	740L6000-ND	2.61	2.09	1.63
	Buff.	TTL	Totem Pole	SMT	740L6000S-ND	2.61	2.09	1.63
29	Inv.	TTL	Open Collect.	DIP	740L6001-ND	2.61	2.09	1.63
30	Buff.	CMOS	Open Collect.	DIP	740L6010-ND	2.61	2.09	1.63
31	Inv.	CMOS	Open Collect.	DIP	740L6011-ND	2.61	2.09	1.63

Fig	Function	Input: LSTTL Output	15M Baud Rt. Output Configuration	Package Type	Digi-Key Part No.	Cut Tape Price Each 1	25	100	Tape & Reel Pricing‡ 500
39	Buff.	TTL	Totem Pole	SOIC	FOD0708R1CT-ND◊ **NEW!**	2.84	2.27	1.77	1599.00
40	Buff.	TTL	Totem Pole	SOIC	FOD0738R1CT-ND◊ **NEW!**	5.54	4.43	3.45	1599.00

Fig.	Isol. Volt.	IIon. Current (Max.) mA	ICCL (Max.)	Oper. Voltage (Max.)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100	Tape & Reel Pricing‡ 1,000
32	5300	1.6	5	16V	SMT	H11L1SM-ND	.92	.69	.52	—
	5300	1.6	5	16V	DIP	H11L1-MQT-ND	.77	.65	.52	—
	5300	1.6	5	16V	DIP	H11L1V-MQT-ND†	.77	.65	.52	—
	5300	10	5	16V	DIP	H11L2-MQT-ND	.77	.65	.52	—
	7500	60	5	16V	DIP	H11L3M-ND	.92	.69	.52	—
	5300	3.2	10	16V	DIP	H11N1-MQT-ND	2.28	1.82	1.37	—
	5300	10	10	16V	DIP	H11N3-MQT-ND	2.01	1.61	1.21	—
	7500	1.6	5	15V	DIP	H11L1M-ND	.92	.69	.52	—
	7500	50	5	15V	DIP	H11L1SR2MCT-ND	.96	.72	.54	319.20
	7500	1.6	5	15V	SMD	H11L1SR2VMCT-ND	.96	.72	.54	319.20
	7500	1.6	5	15V	SMD	H11L1SVM-ND†	.92	.69	.52	—
	7500	1.6	5	15V	DIP	H11L1TM-ND	.92	.69	.52	—
	7500	1.6	5	15V	DIP	H11L1TVM-ND†	.92	.69	.52	—
	7500	1.6	5	15V	DIP	H11L1VM-ND	.92	.69	.52	—
	7500	10.0	5	15V	DIP	H11L2M-ND	.92	.69	.52	—
	7500	10.0	5	15V	SMD	H11L2SM-ND	.99	.75	.56	—
	7500	10.0	5	15V	SMD	H11L2SR2MCT-ND	.96	.72	.54	319.20
	7500	10.0	5	15V	SMD	H11L2SVM-ND†	.99	.75	.56	—
	7500	10.0	5	15V	DIP	H11L2TVM-ND†	.99	.75	.56	—
	7500	10.0	5	15V	DIP	H11L2VM-ND†	.92	.69	.52	—

‡ For Tape and Reel change CT-ND to TR-ND. † VDE approval ◊ *RoHS Compliant*

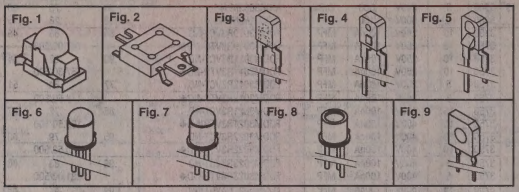
Fig.	Isol. Volt.	Max. Prop. Delay (nS)	Typ. CMR V/µsec.	IF (mA)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100
33	2500	75	10,000	5	DIP	HCPL2601QT-ND	1.31	1.05	.79
	2500	75	10,000	5	DIP	HCPL2611-ND	1.50	1.20	.90
34	2500	75	10,000	5	DIP	HCPL2630QT-ND	2.43	1.95	1.46
	2500	75	10,000	5	DIP	HCPL2631QT-ND	2.36	1.89	1.47
33	2500	75	10,000	5	DIP	6N137QT-ND	.96	.72	.54
35	3750	75	25,000	5	SOIC	HCPL0661-ND	5.26	4.21	3.56
36	3750	90	25,000	5	SOIC	FOD063L-ND	5.70	4.56	3.85

Fig.	Isolation Voltage	BVCEO (Min.)	Typ. ton/toff (µsec.)	Package Type	Digi-Key Part No.	Price Each 1	10	100
	2500	5V	1/1	DIP	MID400-ND	2.43	1.95	1.52
37	3750	90	25,000	SOIC	FOD060L-ND	1.88	1.50	1.13
	5000	90	25,000	DIP	FOD260L-ND	1.54	1.23	.93

FET Outputs

Fig.	Isolation Voltage	Rds ON (Ω)	Vbr (Minimum)	Typ. ton/toff (µS)	Package Type	Digi-Key Part No.	Price Each 1	10	100
38	5300	200	30	25/25	DIP	H11F1-ND	1.88	1.50	1.13
	5300	330	30	25/25	DIP	H11F2-ND	1.88	1.50	1.13
	5300	470	15	25/25	DIP	H11F3-ND	1.88	1.50	1.13

SHARP MICROELECTRONICS — IR Emitters, Photo Transistors and Diodes



IR Emitters

Fig.	Forward Volt. (V) Typ.	Forward Current (mA) Max.	Optical Power Output (mW) Max.	Beam Angle (2x Theta)	Peak Wave-length (nm) Typ.	Digi-Key Part No.	Tube Price Each 1	10	100	Sharp Part No.
1	1.2	50	3.0	20	940	425-1022-1-ND‡ 425-1022-2-ND#	.36	.30 336.00/2,000	.24	GL100MN0MP
	1.2	50	6.0	20	940	425-1023-1-ND‡ 425-1023-2-ND#	.54	.45 504.00/2,000	.36	GL100MN1MP
3	1.2	50	2.0	180	950	425-1024-5-ND†	.56	.39	.28	GL4100
4	1.2	50	3.0	60	950	425-1026-5-ND*	.48	.33	.24	GL4800

‡ Cut Tape # Tape and Reel † Pale red transparent resin * Pink transparent resin

Photo Transistors

Fig.	Vceo Max. (V)	Ic Max. (mA)	Peak Sensitivity Wavelength (nm) Typ.	Rise/Fall Typ. (µs)	Beam Angle (2x Theta)	Digi-Key Part No.	Tube Price Each 1	10	100	Sharp Part No.
1	35	20	900	5.0/6.0	30	425-1005-1-ND‡ 425-1005-2-ND#	.36	.30 336.00/2,000	.24	PT10MC0MP
	35	20	910	5.0/6.0	30	425-1006-1-ND◊ 425-1006-2-ND#	.36	.30 336.00/2,000	.24	PT10MF0MP
	35	20	910	5.0/6.0	30	425-1007-1-ND◊ 425-1007-2-ND#	.36	.30 252.00/1,500	.24	PT10MF0MP1
4	35	20	800	3.0/3.5	70	425-1009-5-ND	.48	.33	.24	PT4800
		20	860	3.0/3.5	70	425-1010-5-ND◊	.56	.39	.28	PT4800F
		20	860	3.0/3.5	70	425-2378-5-ND◊▲	.56	.39	.28	PT4800FE000F
		50	800	80/70	70	425-1014-5-ND*§	.60	.42	.30	PT4810
		50	860	80/70	70	425-1015-5-ND*◊	.60	.42	.30	PT4810F
5	35	20	800	3.0/3.5	26	425-1008-5-ND	.48	.33	.24	PT480
		20	860	3.0/3.5	26	425-1012-5-ND◊	.52	.36	.26	PT480F
		20	860	3.0/3.5	26	425-2380-5-ND◊▲	.52	.36	.26	PT480FE0000F
		50	800	80/70	26	425-1013-5-ND§	.52	.36	.26	PT481
		50	860	80/70	26	425-1016-5-ND◊	.60	.42	.30	PT481F
6	35	20	800	2/3	12	425-1019-5-ND	2.43	2.00	1.62	PT510
		100	800	350/300	12	425-1020-5-ND	8.57	7.05	5.72	PT550
7	45	10	800	10/10	12	425-1017-5-ND	2.38	1.90	1.57	PT501
		80	800	10/10	12	425-1018-5-ND	2.13	1.70	1.41	PT501A
8	35	100	800	350/300	100	425-1021-5-ND◊	7.43	6.11	4.95	PT550F

‡ Cut Tape # Tape and Reel § Transparent blue resin ◊ Visible Light cut-off resin, black
* Darlington ▲ *RoHS Compliant*

Photo Diodes

Fig.	Vr Max. (V)	Short Circuit Current Is (µA) Typ.	Dark Current Id Max. (nA)	Peak Sensitivity Wavelength (nm) Typ.	Rise/ Fall Typ. (ns)	Beam Angle (2x Theta)	Digi-Key Part No.	Tube Price Each 1	10	100	Sharp Part No.
1	20	9	10	820	10	40	425-1027-1-ND‡ 425-1027-2-ND#	.36	.30 336.00/2,000	.24	PD100MC0MP
	20	6	10	850	10	40	425-1028-1-ND◊ 425-1028-2-ND#◊	.36	.30 336.00/2,000	.24	PD100MF0MP
2	30	9.2	2.0	940	5	—	425-1030-5-ND	1.11	.93	.74	PD3122F
3	—	45	1.0	820	—	—	425-1029-5-ND	1.14	.95	.76	PD101SC0SS
9	32	5	30	960	—	115	425-1033-5-ND◊	1.05	.88	.70	PD481PI

‡ Cut Tape # Tape and Reel ◊ Visible Light cut-off resin, black

OPIC™ Light Detectors

Dim in mm

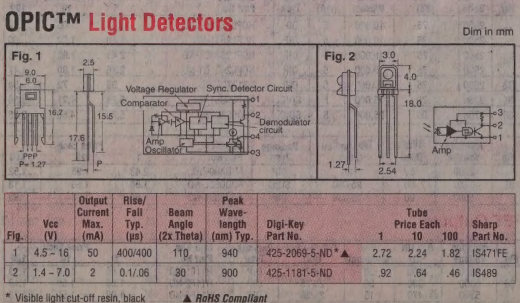
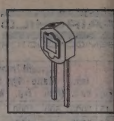


Fig.	Vcc (V)	Output Current Max. (mA)	Rise/ Fall Typ. (µs)	Beam Angle (2x Theta)	Peak Wave-length (nm) Typ.	Digi-Key Part No.	Tube Price Each 1	10	100	Sharp Part No.
1	4.5 – 16	50	400/400	110	940	425-2069-5-ND*▲	2.72	2.24	1.82	IS471FE
2	1.4 – 7.0	2	0.1/.06	30	900	425-1181-5-ND	.92	.64	.46	IS489

*. Visible light cut-off resin, black ▲ *RoHS Compliant*

Blue Sensitive Photodiodes



Features:
• Lead Free/RoHS Compliant • Spectral sensitivity characteristics akin to that of human eye • Compact flat package • Low dark current • Infrared light cut-off type

Applications:
• AE (automatic exposure) system and ES (electronic shutter) system for cameras • Stroboscopes • Precise optical instruments

Short Cir. Current Is Typ. (µA)	Dark Current Id Typ. (A)	Peak Sensitivity Wavelength Typ. (nm)	Reverse Voltage Vr (V) Max.	Active Area (mm sq.)	Digi-Key Part No.	Tube Price Each 1	10	100	Sharp Part No.
0.16	$3x10^{-12}$	560	10	1.55	425-2429-5-ND	1.95	1.56	1.29	BS120E0F

Compact Dust Sensor

Features: • Compact, thin type • Low dissipation current (Icc: Maximum 20mA) • Single-sho
Applications: • Air conditioners • Air cleaner
detection of house dust

Vcc (V)	Dimensions (mm)	Digi-Key Part No.	Price Each 1	25	50	Sharp Part No.
12	58 x 38 x 20.7	425-1169-ND	15.75	12.60	11.03	GP2Y1001AU
5	46 x 30 x 17.6	425-1917-ND	11.38	9.10	7.97	GP2Y1010AU

JST Mating Connector, Contact and Crimp Tool

Description	Digi-Key Part No.	Pricing 10	100	500	Tape & Reel* Pricing	JST Part No.
6-Pos., 1.5mm, Disconnectable Crimp Style ZH Connector	455-1129-ND	.76	6.33	25.31	—	ZHR-6
26-28AWG, Tin-Plated Phosphor Bronze Crimp Contact	455-1130-1-ND	—	2.19	9.66	130.00/13,000	SZH-002T-P0.5
Crimp Tool with Die for 26-28AWG Contacts	455-1131-ND	367.01/1			—	WC-491

* For Tape and Reel part number, change 1-ND to 2-ND.

TOSHIBA Illumination Sensors

Dim in mm

SMD Photo-ICs for illuminance sensor which consist of one chip integrated photo-diode and amplifier circuit **Features**
• Small SMD package • Suitable for lead-free soldering and reflow soldering • Low supply voltage: VCC = 2.7V to 5.5V

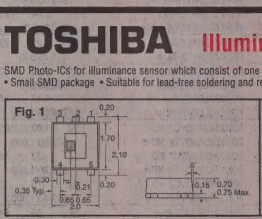


Fig.	Sensitivity	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Tape & Reel* Pricing 3,000	Toshiba Part No.
1	52µA	TPS851CT-ND	1.08	9.00	72.00	468.00/M	TPS851
2	40µA	TPS852CT-ND	1.08	9.00	72.00	468.00/M	TPS852

* For Tape and Reel part number, change CT-ND to TR-ND.

SHARP MICROELECTRONICS Distance Measuring Sensors

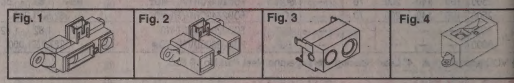


Fig.	Vcc (V)	Distance Measuring Range (cm) Typ.	Diff. of Output Voltage (V) Typ.	Output Current ICC (mA) Typ.	Output Type	Digi-Key Part No.	Tray Price Each 1	25	50	Sharp Part No.
1	5	15	—	33	Digital	425-1164-5-ND†	12.18	9.74	8.53	GP2D150A
		24	—	33	Digital	425-1163-ND	12.18	9.74	8.53	GP2D15
		24	—	30		425-1168-ND	10.00	8.00	7.00	GP2Y0D021YK
2	5	80	—	33	Digital	425-1167-ND	15.83	12.50	10.94	GP2Y0D02YK
3	5	40	—	28	Digital	425-1810-ND	8.03	6.42	5.33	GP2Y0D340K
4	5	4 – 30	1.6	30	Analog	425-2498-ND	52.50	42.00	36.75	GP2Y3A001K0F
		20 – 150	1.6			425-2499-ND	52.50	42.00	36.75	GP2Y3A002K0F
		40 – 300	1.2			425-2500-ND	52.50	42.00	36.75	GP2Y3A003K0F

† Tube (not a tray)

See below for JST Mating Connecto

JST Mating Connector, Contact and Crimp Tool

Description	Digi-Key Part No.	Pricing 10	100	500	T & R* Pricing	JST Part No.
3-Pos., 2.0mm, Disconnectable Crimp Style PH Connector	455-1126-ND	.42	3.53	14.11	—	PHR-3
24-30 AWG, Tin-Plated Phosphor Bronze Crimp Contact	455-1127-1-ND	—	3.43	15.11	128.00/8,000	SPH-002T-P0.5S
Crimp Tool w/Die for 24-30AWG Contacts	455-1128-ND	367.01/1			—	WC-240

* For Tape and Reel part number, change 1-ND to 2-ND.

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AIRCHILD
MICONDUCTOR®

Semiconductor Interrupter Modules

.	Circuit	Output Type	Ic (on) (mA) min.	Test Conditions If/Vce	Slot Width (mm)	Lead Spacing (mm)	Digi-Key Part No.	Price Each 1	10	100	500
	B	Transistor	1.0	20mA @ 5V	3.18	5.59	QVA11134-ND	1.11	.93	.74	.52
	B	Transistor	1.0	20mA @ 5V	3.15	7.24	H22A1-ND	.93	.78	.62	.44
	B	Transistor	2.0	20mA @ 5V	3.15	7.24	H22A2-ND	.93	.78	.62	.44
	B	Transistor	4.0	20mA @ 5V	3.15	7.24	H22A3-ND	.93	.78	.62	.44
	A	Darlington	2.5	5mA @ 1.5V	3.15	7.24	H22B1-ND	.98	.82	.65	.46
	B	Transistor	1.0	20mA @ 5V	3.18	5.59	QVB11134-ND	1.11	.93	.74	.52
	C	Transistor	0.5	20mA @ 5V	3.81	7.62	QVE11233-ND	1.14	.95	.76	.54
	B	Transistor	1.0	20mA @ 5V	3.15	7.24	H21A1-ND	.96	.80	.64	.45
	B	Transistor	2.0	20mA @ 5V	3.15	7.24	H21A2-ND	.96	.80	.64	.45
	B	Transistor	4.0	20mA @ 5V	3.15	7.24	H21A3-ND	.96	.80	.64	.45
	A	Darlington	2.5	5mA @ 1.5V	3.15	7.24	H21B1-ND	.90	.75	.60	.42

ptologic Interrupter Modules

.	Circuit	Output Type	VCC	Max Output Current (mA)	Rise/ Fall (ns)	Digi-Key Part No.	Price Each 1	10	100	500
	K	T.P. BUFF	4.5-16.0	50	70	H21LTB-ND	1.17	.98	.78	.55
	L	T.P. INV	4.5-16.0	50	70	H21LTI-ND	1.17	.98	.78	.55
	M	O.C. BUFF	4.5-16.0	50	70	H21LOB-ND	1.17	.98	.78	.55
	N	O.C. INV	4.5-16.0	50	70	H21LOI-ND	1.17	.98	.78	.55
	K	T.P. BUFF	4.5-16.0	50	70	H22LTB-ND	1.14	.95	.76	.54
	L	T.P. INV	4.5-16.0	50	70	H22LTI-ND	1.17	.98	.78	.55
	M	O.C. BUFF	4.5-16.0	50	70	H22LOB-ND	1.17	.98	.78	.55
	N	O.C. INV	4.5-16.0	50	70	H22LOI-ND	1.17	.98	.78	.55

emiconductor Infrared Photo Detectors

g.	Circuit	BV_{CEO} (V)	Min. Ic @ 5Vce (mA)	Rise/Fall (µ sec)	Reception Angle +/-	Peak Wavelength Sensitivity	Digi-Key Part No.	Price Each 1	10	100	500
	F	45	6	8/7	—	880	BPW36-ND	1.28	1.02	.77	.69
	F	45	6	8/7	—	880	L14G1-ND	1.28	1.02	.77	.69
	F	45	3	8/7	—	880	L14G2-ND	1.28	1.02	.77	.69
	F	45	12	8/7	—	880	L14G3-ND	1.28	1.02	.77	.69
	F	30	4	10/12	12	880	L14P1-ND	1.40	1.12	.84	.76
	F	30	8	14/16	12	880	L14P2-ND	1.40	1.12	.84	.76
	E	25	3	300/250	8	880	BPW38-ND	1.30	1.04	.78	.71
	E	25	3	300/250	8	880	L14F1-ND	1.30	1.04	.78	.71
	E	25	1	300/250	8	880	L14F2-ND	1.30	1.04	.78	.71
	F	50	1	5/5	60	880	L14C1-ND	1.30	1.04	.78	.71
	F	50	0.5	5/5	60	880	L14C2-ND	1.30	1.04	.78	.71
	F	30	3	10/12	30	880	L14N1-ND	1.30	1.04	.78	.71
	F	30	6	14/16	30	880	L14N2-ND	1.30	1.04	.78	.71
	D	30	1	5/5	8	880	QSC112-ND	.37	.29	.21	.12
	D	30	2	5/5	8	880	QSC113-ND	.37	.29	.21	.12
	D	30	4	5/5	8	880	QSC114-ND	.37	.29	.21	.12
	D	30	1.6	7/7	12	880	QSD122-ND	.43	.35	.24	.14
0	D	30	3.2	7/7	12	880	QSD123-ND	.43	.35	.24	.14
	D	30	7.5	7/7	12	880	QSD124-ND	.43	.35	.24	.14
1	D	30	1.2	8/8	12	880	QSD722-ND	.42	.35	.24	.14
	D	30	3	8/8	12	880	QSD723-ND	.42	.35	.24	.14
2	D	30	0.64	8/8	8	880	QSE113-ND	.46	.38	.26	.15
	D	30	1.28	8/8	8	880	QSE114-ND	.46	.38	.26	.15

ogic Detectors

.	Circuit	Output Type	VCC	Isink (mA)	Isource (mA)	Rise/Fall (ns)	Reception Angle +/-	Peak Wavelength Sensitivity	Digi-Key Part No.	Price Each 1	10	100	500
	G	T.P. BUFF	4.5 - 16	50	10	70	25	935	QSE156-ND	.64	.48	.36	.23
	I	T.P. INV.	4.5 - 16	50	10	70	25	935	QSE157-ND	.64	.48	.36	.23
	H	O.C. BUFF	4.5 - 16	50	—	100	25	935	QSE158-ND	.62	.47	.35	.22
	J	O.C. INV.	4.5 - 16	50	—	100	25	935	QSE159-ND	.62	.47	.35	.22

Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4 | Fig. 5

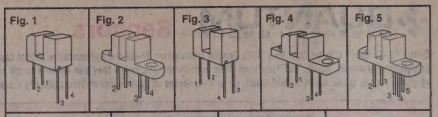


Fig. 6 | Fig. 7 | Fig. 8 | Fig. 9

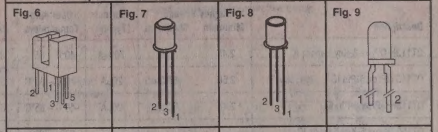
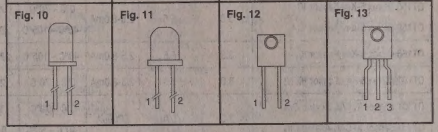
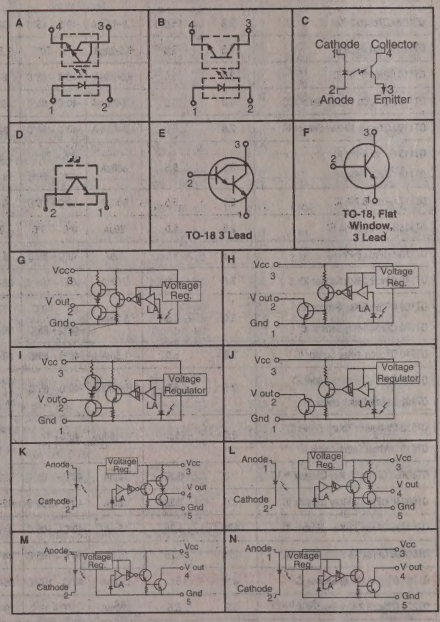


Fig. 10 | Fig. 11 | Fig. 12 | Fig. 13



Circuits



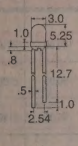
LITEON

Infrared Emitting Diodes, Photodetectors and Photodiodes

atures of Infrared Emitting Diodes: • Selected to specific on-line intensity and radiant intensity ranges • Low cost plastic end king package • Made with gallium aluminum arsenide window layer on gallium arsenide infrared emitting diodes

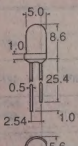
atures of Photodetectors and Photodiodes: • Lensed for high sensitivity • Low cost plastic package

Fig. 1



4.0
Flat denotes Cathode

Fig. 2



Flat denotes Cathode (Collector for 160-1031-ND)

Fig. 3

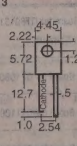
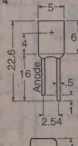


Fig. 4



Radiant sensitive area

Infrared Emitting Diodes

Fig.	Vf	Vr	I (ma)	Ipk amps	Viewing Angle	Digi-Key Part No.	Pricing 1	10	100
1	1.2	5	50	3	20°	160-1028-ND	.24	2.00	16.00
	1.2	5	50	3	20°	160-1029-ND	.24	2.00	16.00
2	1.2	5	50	3	40°	160-1061-ND	.24	2.00	16.00
	1.3	7.2	150	3	35°	160-1062-ND	.30	2.50	20.00
3	1.2	5	50	3	40°	160-1063-ND	.24	2.00	16.00

Matching Photodetectors

Fig.	Vce	Vec	On-State I (ma)	Rise/Fall (us)	Digi-Key Part No.	Pricing 1	10	100
1	30	5	2	5	160-1030-ND	.15	1.25	10.00
2	30	5	2	5	160-1031-ND	.23	1.88	15.00
3	30	5	2	5	160-1065-ND	.23	1.88	15.00

Photodiodes

Fig.	Description	Digi-Key Part No.	Pricing 1	10	100
4	Black Plastic Diode	160-1032-ND	.47	3.88	31.00

Absolute Maximum Ratings at T_A = 25°C, λ = 940nm

N

QUANTUM RESEARCH GROUP Sensors

QProx™ / QTouch™ Charge-Transfer ("QT") General Description: These are self-contained digital capacitance ICs capable of detecting proximity, touch, and fluid level. With appropriate electrodes they can sense through sealed surfaces made of glass, plastic, stone, ceramic, and wood, up to thicknesses of several inches. This capability coupled with an ability to continuously calibrate leads to new product concepts. They are designed specifically for control panels in home appliances, PC peripherals, machinery, security systems, lighting controls, or anywhere a mechanical switch or button may be found. Versions also available for fluid sensing.

Description	Supply Voltage Minimum	Supply Voltage Maximum	Supply Current (Typical)	Operating Temperature	Package	Digi-Key Part No.	Price Each 1	Price Each 50	Price Each 100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Quantum Part No.
QT113H QProx 8-Key Sensor IC	2.45	5.25	700µA	-40°C ~ 85°C	8-SOIC	427-1014-1-ND	2.24	2.02	1.82	427-1014-2-ND	3,300	1543.00/M	QT113H-IS
QT115 QProx 8-Pin IC	2.50	5.25	20µA	-40°C ~ 85°C	8-SOIC	427-1020-ND	2.24	2.02	1.82	—	—	—	QT115-IS
QT118H QProx 8-Pin IC	2.45	5.25	20µA	-40°C ~ 85°C	8-SOIC	427-1022-1-ND	2.24	2.02	1.82	427-1022-2-ND	3,300	1543.00/M	QT118-IS
QT150 QProx 5-Key Sensor IC	3.0	5.5	2.5-8.0mA	0°C ~ 70°C	28-Dip	427-1061-ND	3.27	2.94	2.65	—	—	—	QT150-D
QT150 QProx 5-Key Sensor IC				-40°C ~ 105°C	28-SSOP	427-1062-ND	3.27	2.94	2.65	—	—	—	QT150-AS
QT160 QProx 6-Key Sensor IC	3.5	5.5	2.5-8.0mA	-40°C ~ 105°C	28-SSOP	427-1064-1-ND	5.06	4.57	4.11	—	—	—	QT160-AS
QT161 QProx 6-Key Sensor IC	3.0	5.5	2.5-8.0mA	0°C ~ 70°C	28-Dip	427-1081-ND	7.12	6.48	5.78	—	—	—	QT161-D
QT301 Sensor IC CAC Analog Out	3.0	5.0	5000µA	0°C ~ 70°C	8-Dip	427-1072-ND	3.84	3.46	3.11				QT301-D
QT301 Sensor IC CAC Analog Out				-40°C ~ 85°C	8-SOIC	427-1073-1-ND	3.20	2.91	2.58	427-1073-2-ND	2,000	2208.00/M	QT301-IS
RoHS Compliant													
QT1080 QTouch 8-Key IC	2.8	5.0	1.3-4.5mA	-40°C ~ 85°C	32-QFN	427-1090-1-ND	3.63	3.29	2.92	427-1090-2-ND	2,500	2500.00/M	QT1080-ISG
QT110 QProx 8-Pin IC	2.5	5.5	9.5-26µA	0°C ~ 70°C	8-Dip	427-1091-ND	3.50	2.03	1.90	—	—	—	QT110-DG
QT110 QProx 8-Pin IC	2.5	5.5	9.5-26µA	-40°C ~ 85°C	8-SOIC	427-1092-1-ND	3.50	2.03	1.90	427-1092-2-ND	3,300	1550.00/M	QT110-ISG
QT1100 QTouch 10-Key Sensor IC	3.3	5.0	1.4-2.9mA	-40°C ~ 85°C	48-SSOP	427-1093-1-ND	9.11	5.29	4.93	427-1093-2-ND	1,000	4030.00	QT1100A-ISG
QT1100 QTouch 10-Key Sensor IC	2.8	5.0	1.5-4.5mA	-40°C ~ 85°C	32-QFN	427-1094-1-ND	3.50	2.03	1.90	427-1094-2-ND	2,500	1550.00/M	QT1101-ISG
QT113 QProx 8-Pin IC	2.5	5.5	600µA	0°C ~ 70°C	8-Dip	427-1095-ND	3.50	2.03	1.90	—	—	—	QT113-DG
QT113 QProx 8-Pin IC				-40°C ~ 85°C	8-SOIC	427-1096-1-ND	3.50	2.03	1.90	427-1096-2-ND	3,300	1550.00/M	QT113-ISG
QT117 QProx 8-Pin IC	2.5	5.5	600µA	-40°C ~ 85°C	8-SOIC	427-1097-1-ND	5.01	2.91	2.71	427-1097-2-ND	3,300	1550.00/M	QT117L-ISG
QT118H QProx 8-Pin IC	2.5	5.0	20µA	0°C ~ 70°C	8-Dip	427-1098-ND	3.50	2.03	1.90	—	—	—	QT118H-DG
QT118H QProx 8-Pin IC	2.5	5.0	20µA	-40°C ~ 85°C	8-SOIC	427-1099-1-ND	3.50	2.03	1.90	427-1099-2-ND	3,300	1550.00/M	QT118H-ISG
QT140 QProx 4-Key Sensor IC	3.0	5.0	5.0mA	-40°C ~ 105°C	28-SSOP	427-1111-1-ND	4.34	3.94	3.49	427-1111-2-ND	2,100	2992.50/M	QT140-ASG
QT160 QProx 6-Key Sensor IC	3.0	5.5	5.0mA	0°C ~ 70°C	28-Dip	427-1100-ND	6.62	5.97	5.37	—	—	—	QT160-DG
QT160 QProx 6-Key Sensor IC				-40°C ~ 85°C	28-SSOP	427-1101-1-ND	5.08	4.61	4.08	427-1101-2-ND	2,100	3498.00/M	QT160-ISG
QT240 QTouch 4-Key Sensor IC	3.3	5.0	1.5mA	-40°C ~ 85°C	20-SSOP	427-1102-1-ND	3.46	3.15	2.81	427-1102-2-ND	2,000	2394.00/M	QT240-ISS-G
QT401 QSlide™ Touch Slider IC	2.5	5.5	110-180µA	-40°C ~ 85°C	14-SOIC	427-1103-1-ND	3.60	3.28	2.92	427-1103-2-ND	2,600	2487.00/M	QT401-ISG
QT401 QSlide Touch Slider IC					14-TSSOP	427-1104-1-ND	3.61	3.28	2.90	427-1104-2-ND	2,500	2487.00/M	QT401-ISSG
QT510 QWheel™ Touch Slider IC	2.5	5.5	110-180µA	-40°C ~ 85°C	14-SOIC	427-1105-1-ND	4.30	3.92	3.49	427-1105-2-ND	2,600	2979.00/M	QT510-ISG
QT510 QWheel Touch Slider IC					14-TSSOP	427-1106-1-ND	4.32	3.92	3.48	427-1106-2-ND	2,500	2979.00/M	QT510-ISSG
QT60168 QProx 16-Key QMatrix™ IC	3.0	5.25	10mA	-40°C ~ 105°C	32-TQFP	427-1107-ND	5.23	4.71	4.24	—	—	—	QT60168-ASG
QT60248 QProx 24-Key QMatrix IC	3.0	5.25	10mA	-40°C ~ 105°C	32-TQFP	427-1108-ND	6.57	5.93	5.34	—	—	—	QT60248-ASG
QT60326 QProx 32-Key QMatrix IC	4.75	5.25	15mA	-40°C ~ 105°C	44-TQFP	427-1109-ND	8.22	7.41	6.99	—	—	—	QT60326-ASG
QT60486 QProx 48-Key QMatrix IC	4.75	5.25	15mA	-40°C ~ 105°C	44-TQFP	427-1110-ND	9.86	8.90	8.39	—	—	—	QT60486-ASG
QT161 QTouch 6-Key Sensor IC	3.0	5.5	±20mA	-40°C ~ 105°C	28-SSOP	427-1112-1-ND ***NEW!***	5.06	4.57	4.11	427-1112-2-ND ***NEW!***	2,100	3498.00/M	QT161-ASG
QT220 QTouch 2-Key Sensor IC	3.3	5.5	±20mA	-40°C ~ 85°C	20-SSOP	427-1114-1-ND ***NEW!***	3.09	2.80	2.48	427-1114-2-ND ***NEW!***	2,000	2160.00/M	QT220-ISS-G
QT411 QSlide Touch Slider IC	2.5	5.5	110-180µA	-40°C ~ 85°C	14-TSSOP	427-1116-1-ND ***NEW!***	3.51	3.19	2.83	427-1116-2-ND ***NEW!***	2,500	2420.00/M	QT411-ISSG
QT511 QWheel Touch Slider IC	2.5	5.5	110-180µA	-40°C ~ 85°C	14-TSSOP	427-1117-1-ND ***NEW!***	4.19	3.80	3.37	427-1117-2-ND ***NEW!***	2,500	2890.00/M	QT511-ISSG

Evaluation Boards

Description	Digi-Key Part No.	Price Each	Quantum Part No.
E3A Evaluation Board for QT300	427-1069-ND◆ ***NEW!***	89.00	E3A
E411 Evaluation Board for QT411 QSlide	427-1118-ND◆ ***NEW!***	95.00	E411
E511 Evaluation Board for QT511 QSlide	427-1119-ND◆ ***NEW!***	95.00	E511
E240B Evaluation Board for QT240	427-1113-ND ***NEW!***	19.00	E240B
E11X Demo Board for QT100, QT110, QT113 and QT118H QTouch™ ICs	427-1067-ND	20.00	E11X
E160 6-Key Evaluation Board	427-1068-ND	75.00	E160

Description	Digi-Key Part No.	Price Each	Quantum Part No.
E616 Evaluation Board for QT60161 16-Key QMatrix™ IC with Software	427-1044-ND	180.00	E616
E1080 Evaluation Board for QT1080-IS 8-Key QTouch™ IC	427-1089-ND	60.00	E1080 KIT
E1100 Evaluation Board for QT1100 10-Key QTouch™ IC	427-1083-ND◆	95.00	E1100
E6248 Evaluation Board for QT60248 24-Key QMatrix™ IC	427-1087-ND	185.00	E6248
E6486 Evaluation Board for QT60486 48-Key QMatrix™ IC	427-1088-ND	190.00	E6486

◆*RoHS Compliant*

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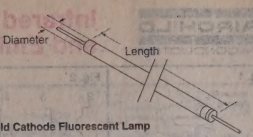
Cold Cathode Fluorescent Lamps and Inverters



Cold Cathode Fluorescent Lamp

ri-Phosphor-RGB White Lamps

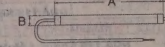
n)	Length (mm)	Start Volts (V)	Lamp Volts (V)	Lamp Curr. (mA)	Intensity (Cd./m2)	Digi-Key Part No.	Price Each 1	10	50	JKL Part No.
	125	700	280	5	38,000	289-1145-ND	10.29	9.31	7.84	BF20125-28B
	218	1700	740	5	38,000	289-1107-ND	11.34	10.26	8.64	BF20218-24B
	226	1730	745	5	38,000	289-1144-ND	12.18	11.02	9.28	BF20226-24B
	228	1300	515	5	46,000	289-1146-ND	12.18	11.02	9.28	CF20228-31B
9	277	1560	625	5	38,000	289-1147-ND	12.18	11.02	9.28	CF20277-28B
	292	1820	810	5	38,000	289-1108-ND	12.77	11.56	9.73	BF20292-24B
	305	1021	663	6	42,000	289-1166-NDΔ	12.98	11.75	9.89	CF20305-24B
	325	1970	885	5	38,000	289-1135-ND	12.98	11.75	9.89	BF20325-24B
	140	730	340	5	38,000	289-1053-ND	10.29	9.31	7.84	BF22140-24B
2	160	800	370	5	38,000	289-1106-ND	10.29	9.31	7.84	BF22160-24B
	180	1140	380	5	38,000	289-1148-ND	9.66	8.74	7.36	BF22180-28B
	258	1700	720	5	38,000	289-1059-ND	10.29	9.31	7.84	BF22258-25B
4	437	1400	835	5	38,000	289-1137-ND	14.47	13.10	11.03	BF24438-33B
	61	490	195	5	30,000	289-1140-ND	10.29	9.31	7.84	BF2661-24B
	180	1000	400	5	38,000	289-1054-ND	10.29	9.31	7.84	BF26180-24B
	188	1300	525	5	38,000	289-1039-ND	10.29	9.31	7.84	BF26188-20B
	214	1450	620	5	30,000	289-1060-ND	10.29	9.31	7.84	BF26214-20B
	230	1175	495	5	30,000	289-1138-ND	12.77	11.56	9.73	BF26230-24B
	240	1250	505	5	30,000	289-1055-ND	12.76	11.55	9.72	BF26240-24B
	250	1300	525	5	30,000	289-1056-ND	12.76	11.55	9.72	BF26250-24B
6	285	1500	725	5	30,000	289-1057-ND	12.76	11.55	9.72	BF26285-20B
	318	1636	676	5	34,000	289-1109-ND	12.77	11.56	9.73	BF26318-20B
	346	1450	700	6	36,000	289-1149-ND	12.77	11.56	9.73	CF26346-37B
	349	1715	730	5	30,000	289-1150-ND	12.77	11.56	9.73	CF26349-28B
	360	1650	700	5	38,000	289-1139-ND	12.98	11.75	9.89	BF26360-20B
	499	2100	1000	6	36,000	289-1151-ND	12.98	11.75	9.89	CF26499-37B
	600	2340	1125	6	36,000	289-1152-ND	12.98	11.75	9.89	CF26600-37B
9	25	400	165	5	19,000	289-1002-ND	10.29	9.31	7.84	BF325-22B
	25	400	165	5	—	289-1154-ND	17.12	15.49	13.04	BF325-HG
	275	1475	590	5	28,000	289-1142-ND	12.77	11.56	9.73	BF3275-20B
	380	1975	790	5	28,000	289-1143-ND	12.98	11.75	9.89	BF3380-24B
	50	500	195	5	28,000	289-1003-ND	10.29	9.31	7.84	BF350-20B
	75	525	210	5	28,000	289-1058-ND	10.29	9.31	7.84	BF375-20B
	86	540	220	5	28,000	289-1004-ND	10.29	9.31	7.84	BF386-20B
	100	665	270	5	28,000	289-1005-ND	10.29	9.31	7.84	BF3100-20B
0	160	850	345	5	28,000	289-1006-ND	10.29	9.31	7.84	BF3160-20B
	216	1100	440	5	28,000	289-1040-ND	10.29	9.31	7.84	BF3216-20B
	228	1150	460	5	28,000	289-1007-ND	10.29	9.31	7.84	BF3228-21B
	240	1150	480	5	28,000	289-1141-ND	12.77	11.56	9.73	BF3240-24B
	250	1200	520	5	28,000	289-1008-ND	10.29	9.31	7.84	BF3250-20B
	300	1350	665	5	28,000	289-1041-ND	12.76	11.55	9.72	BF3300-20B
	360	1500	785	5	28,000	289-1042-ND	12.76	11.55	9.72	BF3360-20B
	183	900	365	5	16,000	289-1043-ND	10.29	9.31	7.84	BF4183-20B
.1	418	1400	765	5	15,000	289-1061-ND	13.69	12.39	10.44	BF4418-20B
85	142	800	260	5	9,500	289-1153-ND	10.29	9.31	7.84	BF4142-20B
	118	600	305	5	7,000	289-1009-ND	10.29	9.31	7.84	BF5118-20B
.6	165	800	400	5	7,000	289-1044-ND	10.29	9.31	7.84	BF5165-20B
	200	850	445	5	7,000	289-1010-ND	10.29	9.31	7.84	BF5200-20B
	100	550	230	5	6,500	289-1012-ND	10.29	9.31	7.84	BF6100-20B
	144	600	245	5	6,500	289-1045-ND	10.29	9.31	7.84	BF6144-20B
	150	600	250	5	6,500	289-1013-ND	10.29	9.31	7.84	BF6150-20B
.5	165	600	255	5	6,500	289-1046-ND	10.29	9.31	7.84	BF6165-20B
	178	650	270	5	6,500	289-1014-ND	10.29	9.31	7.84	BF6178-20B
	200	680	290	5	6,500	289-1015-ND	10.29	9.31	7.84	BF6200-20B
	225	750	340	5	6,500	289-1016-ND	10.29	9.31	7.84	BF6225-20B
	262	850	350	5	6,500	289-1017-ND	10.29	9.31	7.84	BF6262-20A

RoHS Compliant

Narrow Spectrum UltraViolet (UV) Lamps

lia. nm)	Length (mm)	Start Volts (V)	Operating Volts (V)	Watts @ 5mA	Output uW/cm2@1"	Digi-Key Part No.	Price Each 1	10	50	JKL Part No.
3.0	25	350	140	0.70	0.30	289-1018-ND	10.29	9.31	7.84	BF325-UV1
3.0	50	500	195	0.98	0.30	289-1019-ND	10.29	9.31	7.84	BF350-UV1
3.0	100	675	270	1.35	0.25	289-1020-ND	10.29	9.31	7.84	BF3100-UV1
3.0	120	865	280	1.35	0.25	289-1021-ND	10.29	9.31	7.84	BF3120-UV1
3.0	240	950	500	2.50	0.25	289-1022-ND	10.29	9.31	7.84	BF3240-UV1
9.0	59	375	150	0.75	0.15	289-1023-ND	10.29	9.31	7.84	BF959-UV1/3

Fluorescent Lamp Assembly



Lamp Length (mm)	Lamp Diameter B (mm)	Lead Length C (mm)	Digi-Key Part No.	Price Each 1	10	50	JKL Part No.
258	2.2	150	289-1111-ND	19.15	17.33	14.60	BF22258-25B/DK01
100	3.2	150	289-1112-ND	15.44	13.97	11.76	BF3100-20B/DK01
160	3.2	150	289-1113-ND	15.44	13.97	11.76	BF3160-20B/DK01
250	3.2	150	289-1114-ND	17.22	15.58	13.12	BF3250-20B/DK01
418	4.1	150	289-1115-ND	20.54	18.59	15.65	BF4418-20B/DK01

Inverters for CCFL and UV Lamps

Input Volts	Output Volts (V)	Output I (mA)	Inverter Characteristics	Digi-Key Part No.	Price Each 1	10	50	JKL Part No.
3.0	650	4.5	Fixed Single Output	289-1062-ND	13.23	11.97	10.08	BXA-302
5.0	650	4.5		289-1047-ND	15.12	13.86	11.97	BXA-502
5.0	700	5.0		289-1134-ND	12.12	11.11	9.60	BXA-501
6.0	1200	5.0		289-1064-ND	14.95	13.53	11.40	BXA-503
12.0	700	5.5		289-1049-ND	15.12	13.86	11.97	BXA-12553
12.0	800	4.0		289-1050-ND	15.12	13.86	11.97	BXA-12576
12.0	800	4.0		289-1051-ND	15.12	13.86	11.97	BXA-12577
12.0	850	5.5	Fixed Dual Output	289-1048-ND†	21.32	19.29	16.24	BXA-12529-PS1
12.0	1000	5.5		289-1025-ND	15.12	13.86	11.97	BXA-12529
24.0	1000	5.5		289-1027-ND	15.12	13.86	11.97	BXA-24529
12.0	1350	6.5	Fixed Triple Output	289-1155-ND	33.18	30.02	25.28	BXA-12579
12.0	1000	3.0	Dimming Single Output	289-1116-ND	18.94	17.14	14.44	BXA-12592-3M
12.0	1000	5.0		289-1117-ND	13.23	11.97	10.08	BXA-12594-5M
12.0	1000	5.0		289-1156-ND	31.08	28.12	23.68	BXA-12563
12.0	1000	6.0		289-1035-ND	24.72	22.25	19.78	BXA-12564-6M
12.0	1000	6.0		289-1034-ND	27.72	24.95	22.18	BXA-12562-6M
12.0	1000	6.0		289-1036-ND	25.76	23.19	20.61	BXA-12565-6M
12.0	1200	5.0		289-1118-ND	27.05	24.48	20.61	BXA-12598-5M
12.0	1200	6.2		289-1065-NDS	14.95	13.53	11.40	BXA-12617C-6M
12.0	1000	7.0	Dimming Dual Output	289-1120-ND	37.46	33.90	28.55	BXA-12613-7M
12.0	1200	6.0		289-1063-ND	29.32	26.53	22.34	BXA-12549-6M
12.0	1500	5.0		289-1026-ND	15.12	13.86	11.97	BXA-12579
12.0	1500	5.5		289-1157-ND	33.08	29.93	25.20	BXA-12630-5.5M
12.0	1800	7.0		289-1119-ND	61.36	55.52	46.76	BXA-12610-7M
			Accessories					
			Input Conn. Assembly for BXA-12579	289-1037-ND	2.00	—	—	BXC-10605
			Output Conn. Assembly for BXA-12579	289-1038-ND	2.50	—	—	BXC-10569
			Output Connector Assembly for BXA-12553 and BXA-501	289-1052-ND	2.00	—	—	BXC-10566
			Input Conn. Assembly for BXA-12379	289-1158-ND	2.63	2.38	2.00	BXC-12379/ICON
			Output Connector Assembly for Single BXA-12379	289-1159-ND	2.10	1.90	1.60	BXC-12379/OCON1
			Output Connector Assembly for Dual BXA-12379	289-1160-ND	3.15	2.85	2.40	BXC-12379/OCON2
			Input Conn. Assembly for BXA-12563	289-1161-ND	2.63	2.38	2.00	BXC-10546
			Output Conn. Assembly for BXA-12563	289-1162-ND	2.63	2.38	2.00	BXC-10567
			Input Connector Assembly for BXA-12630-5.5M	289-1163-ND	3.15	2.85	2.40	BXC-10694
			Output Connector Assembly for BXA-12630-5.5M	289-1164-ND	2.63	2.38	2.00	BXC-10685
			Input Connector for BXA-12549-6M	289-1066-ND	2.63	2.38	2.00	BXC-10550
			Output Connector for BXA-12549-6M	289-1067-ND	2.63	2.38	2.00	BXC-10655
			Input Connector for BXA-12617C-6M	289-1068-ND	2.63	2.38	2.00	BXC-10580
			Output Connector for BXA-12617C-6M, BXA-12592-3M, BXA-12598-5M, BXA-12610-7M and BXA-12613-7M	289-1069-ND	2.63	2.38	2.00	BXC-10643
			Input Connector for BXA-503	289-1070-ND	2.63	2.38	2.00	BXC-10574
			Output Connector for BXA-503	289-1071-ND	2.63	2.38	2.00	BXC-10585
			Input Connector for BXA-12592-3M, BXA-12598-5M and BXA-12594-5M	289-1121-ND	2.90	2.63	2.21	BXC-10549
			Output Connector for BXA-12594-5M	289-1123-ND	2.63	2.38	2.00	BXC-10689
			Input Connector for BXA-12610-7M and BXA-12613-7M	289-1124-ND	2.90	2.63	2.21	BXC-10630
			End Cap for 3mm Fluorescent Lamps	289-1072-ND	.53	.48	.40	BF3/RC
			End Cap for 2.2mm and 2.4mm Fluorescent Lamps	289-1133-ND	.53	.48	.40	BF2.4/RC
			End Cap for 2.6mm Fluorescent Lamps	289-1165-ND	.53	.48	.40	BF2.6/RC

† Potted inverter § See JST below for Mating Connector

Inverters for Electroluminescent (EL) Backlighting

Input Voltage Range (dc)	EL Element Area (cm²)	Digi-Key Part No.	Price Each 1	10	50	JKL Part No.
3.0 – 5.5	10 - 19	289-1028-ND	12.20	10.98	9.76	NDL-201
	19 - 38	289-1029-ND	12.20	10.98	9.76	NDL-202
	20 - 60	289-1132-ND*	13.19	11.94	10.05	NDL-104LP
3.0 – 5.5	25 - 43	289-1030-ND	12.20	10.98	9.76	NDL-203
	41 - 70	289-1031-ND	11.90	10.71	9.52	NDL-204
	50 - 83	289-1032-ND	11.90	10.71	9.52	NDL-205
3.0 – 5.5	100 - 170	289-1033-ND	11.20	10.08	8.96	NDL-217

* Low Profile

JST Mating Connector, Contact and Crimp Tool

Description	Digi-Key Part No.	Pricing 10	100	500	Tape & Reel Pricing*	JST Part No.
2-3 Pos., 8mm, Crimp Connector Style BH Housing	455-1123-ND	1.15	9.58	38.30	—	BHR-03VS-1
4-Pos., 4mm, Crimp Connector Style BH Housing	455-1369-ND	1.64	13.67	54.66	—	BHR-04VS-1
22-28 AWG, Tin-Plated Phosphor Bronze Crimp Contact	455-1124-1-ND*	—	3.25	14.34	60.00/4,000	SBH-001T-P0.5
Crimp Tool with Die for 22-28 AWG Contacts	455-1125-ND		411.48/1		—	YC-670R

* For Tape and Reel part number, change 1-ND to 2-ND.

FAIRCHILD SEMICONDUCTOR — Infrared Photosensors and Emitters

Fig. 1

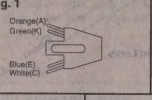


Fig. 2

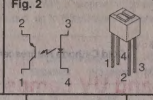


Fig. 3 – TO-46 2 Lead

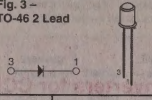


Fig. 4 – TO-46 Flat Window 2 Lead

Fig. 5

Fig. 6

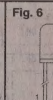


Fig. 7

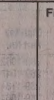


Fig. 8

Reflective Photosensors

Fig.	Output Type	Min/Max Output Ic @ If	Optimum Sensing Distance	Termination	Digi-Key Part No.	Price Each 1	10	100	500
1	Transistor	.6/3 @ 40mA	3.81mm	Leads	QRB1114-ND	1.05	.88	.70	.49
1	Transistor	.6/3 @ 40mA	3.81mm	Wires	QRB1134-ND	1.44	1.20	.96	.68
2	Transistor	1/5 @ 20mA	1.27mm	Leads	QRD1114-ND	.94	.79	.63	.44

Semiconductor Infrared Emitters (IRED LEDs)

Fig.	Forward Volt. (V)	Max. Forward Current (mA)	Min. Power Output	Beam Angle +/-	Peak Wavelength (nm)	Pkg. Type	Digi-Key Part No.	Price Each 1	10	100	500
3	1.7	100	6.0mW/sr	8	940	TO-46	1N6264-ND	1.43	1.14	.86	.77
4	1.7	100	6.0mW	40	940	TO-46	1N6265-ND	1.38	1.10	.83	.75
3	1.7	100	25.0mW/sr	10	940	TO-46	1N6266-ND	1.43	1.14	.86	.77
4	1.7	100	5.4mW	10	940	TO-46	CQX14-ND	1.94	1.56	1.17	1.05
4	1.7	100	5.4mW	40	940	TO-46	CQX15-ND	1.38	1.10	.83	.75
3	1.7	100	12.0mW	10	880	TO-46	F5D1-ND	1.58	1.26	.95	.86
3	1.7	100	9.0mW	10	880	TO-46	F5D2-ND	1.58	1.26	.95	.86
3	1.7	100	10.5mW	10	880	TO-46	F5D3-ND	1.58	1.26	.95	.86
4	1.7	100	12.0mW	40	880	TO-46	F5E1-ND	1.58	1.26	.95	.86
4	1.7	100	10.5mW	40	880	TO-46	F5E3-ND	1.58	1.26	.95	.86
3	1.7	100	1.5mW/sr	10	940	TO-46	LED56-ND	1.43	1.14	.86	.77
4	1.7	100	3.5mW/sr	40	940	TO-46	LED55BF-ND	1.38	1.10	.83	.75
3	1.7	100	3.5mW/sr	10	940	TO-46	LED55B-ND	1.43	1.14	.86	.77
3	1.7	100	5.4mW/sr	8	940	TO-46	LED55C-ND	1.43	1.14	.86	.77
5	1.7	50	14mW/sr	8	940	T-1	QEC113-ND	.37	.29	.21	.12
5	1.7	50	27mW/sr	8	880	T-1	QEC122-ND	.43	.35	.24	.14
6	1.5	100	80mW/sr	9	880	T-1 3/4	QED123-ND	.42	.35	.24	.14
6	1.7	100	16mW/sr	20	880	T-1 3/4	QED222-ND	.42	.35	.24	.14
6	1.7	100	25mW/sr	20	880	T-1 3/4	QED223-ND	.42	.35	.24	.14
6	1.5	100	10mW/sr	20	940	T-1 3/4	QED233-ND	.38	.30	.21	.12
6	1.5	100	27mW/sr	20	940	T-1 3/4	QED234-ND	.38	.30	.21	.12
7	1.7	100	18mW/sr	30	880	Plastic TO-46	QED423-ND	.42	.35	.24	.14
7	1.7	100	20mW/sr	15	880	Plastic TO-46	QED522-ND	.42	.35	.24	.14
7	1.7	100	40mW/sr	15	880	Plastic TO-46	QED523-ND	.48	.38	.29	.16
8	1.5	50	3mW/sr	25	940	SIDELOOK	QEE113-ND	.46	.38	.28	.15
8	1.7	50	8mW/sr	25	880	SIDELOOK	QEE123-ND	.46	.37	.28	.16

Z ZILOG — IrDA Transceiver Module

Zilog's opto-wireless transceiver module is compatible with IrDA standard.
Applications: • Portable printers • Handheld computers • Personal data assistants (PDAs)

Data Vcc (V)	Transfer Rate (kbps)	Di gi-Key Part No.	Cut Tape Price Each 1	25	100	Tape & Reel† Size	Pricing	Zilog Part No.
2.4 – 3.6	115.2	269-4499-1-ND *NEW!*	4.44	3.33	2.96	3,500	2457.00/M	ZHX1203MB115TH2090TR
2.4 – 3.6	115.2	269-3862-1-ND	4.44	3.33	2.96	2,500	2456.80/M	ZHX1223TB115THTR
2.4 – 3.6	115.2	269-3822-1-ND	4.86	3.65	3.24	3,500	2689.20/M	ZHX1403MA115TH2090TR
2.4 – 3.6	115.2	269-3821-1-ND	4.86	3.65	3.24	3,500	2689.20/M	ZHX1423TA115THTR
2.4 – 5.5	115.2	269-3246-1-ND	4.05	3.04	2.70	2,000	2241.00/M	ZHX1810MV115THTR
2.4 – 5.5	115.2	269-4500-1-ND *NEW!*	4.05	3.04	2.70	2,000	2241.00/M	ZHX1810MV115TH2090TR
2.4 – 5.5	115.2	269-3126-1-ND	4.05	3.04	2.70	2,000	2241.00/M	ZHX1820TV115THTR
2.4 – 5.5	115.2	269-3244-1-ND	4.20	3.15	2.80	2,000	2324.00/M	ZHX1820TV115XHTR
2.7 – 5.5	4.000	269-3636-1-ND	4.65	3.49	3.10	1,000	2573.00	ZHX2022MV040THTR
2.7 – 5.5	4.000	269-3637-1-ND	4.65	3.49	3.10	1,000	2573.00	ZHX2022TV040THTR

† For Tape and Reel part number, change 1-ND to 2-ND.

AVAGO TECHNOLOGIES — IrDA Transceiver Modules

Supply Voltage	Data Rate Max.	Digi-Key Part No.	Price Each 1	10	100	Tape & Reel† Size	Pricing	Avago Part No.
2.7 – 5.5V	115.2 kb/s	516-1271-1-ND	2.80	2.45	2.10	2,500	1862.00/M	HSDL-3000#007
2.7 – 3.6V	115.2 kb/s	516-1272-1-ND	3.40	2.98	2.55	500	1130.50	HSDL-3201#001
2.4 – 3.6V	115.2 kb/s	516-1273-1-ND	2.70	2.37	2.03	2,500	1795.50/M	HSDL-3208-021
2.4 – 3.6V	115.2 kb/s	516-1700-1-ND	2.86	2.51	2.15	2,500	1902.00/M	HSDL-3209-021
2.7 – 3.6V	4.0 Mb/s	516-1701-1-ND	3.10	2.72	2.33	2,500	2062.00/M	HSDL-3220-021
2.7 – 3.6V	4.0 Mb/s	516-1274-1-ND	3.50	3.07	2.63	400	931.00	HSDL-3602-007
2.7 – 5.25V	115.2 kb/s	516-1275-1-ND	3.40	2.98	2.55	400	904.40	HSDL-3612-007
IR 3/16 Encoder/Decoder		516-1276-1-ND	4.20	3.85	3.50	2,500	2030.00/M	HSDL-7001
IR 3/16 Encoder/Decoder		516-1702-1-ND	3.45	3.17	2.88	2,500	1725.00/M	HSDL-7002

† For Tape and Reel part number, change 1-ND to 2-ND.

SHARP MICROELECTRONICS — Remote Control Receivers

Supply Voltage 2.4 to 5.5V

Fig. 1

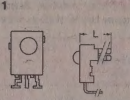


Fig. 2

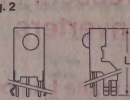


Fig. 3

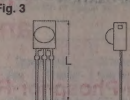


Fig.	Detecting Window	B.P.F. fo (kHz) Typ.	Current Dissipation Icc (mA) Max.	Length (mm)	Digi-Key Part No.	Price Each 1	10	100	Sharp Part No.
		36.7	.2	8.8	425-1117-ND	1.15	.92	.76	GP1UD262XK
		36.7	1.5	8.8	425-1134-ND	1.13	.90	.75	GP1UM262XK
		36.7	1.5	13.8	425-1141-ND#	1.13	.90	.75	GP1UM272RK
		36.7	1.5	13.8	425-1142-ND	1.13	.90	.75	GP1UM272XK
		36.7	.2	14	425-1121-ND	1.15	.92	.76	GP1UD272XK
		36.7	1.5	17.8	425-1150-ND#	1.13	.90	.75	GP1UM282RK
		36.7	1.5	17.8	425-1151-ND	1.13	.90	.75	GP1UM282XK
		36.7	.2	18	425-1126-ND	1.15	.92	.76	GP1UD282XK
		38	.2	8.8	425-1931-5-ND‡	1.15	.92	.76	GP1UD261XKOF
		38	0.6	8.8	425-1899-ND	1.08	.90	.72	GP1UE261XK
		38	1.5	8.8	425-1133-ND	1.13	.90	.75	GP1UM261XK
		38	1.5	8.8	425-2007-ND◊	1.13	.90	.75	GP1UM261XK0F
		38	1.5	13.8	425-1139-ND#	1.13	.90	.75	GP1UM271RK
		38	1.5	13.8	425-1140-ND	1.13	.90	.75	GP1UM271XK
		38	.2	14	425-1120-ND	1.15	.92	.76	GP1UD271XK
		38	0.6	14.0	425-1902-ND	1.08	.90	.72	GP1UE271XK
		38	.2	18	425-1124-ND	1.15	.92	.76	GP1UD281XK
		38	0.6	18.0	425-1905-ND	1.08	.90	.72	GP1UE281XK
1	Top	40	.2	8.8	425-1119-ND	1.15	.92	.76	GP1UD26XK
		40	0.6	8.8	425-1901-ND	1.08	.90	.72	GP1UE26XK
		40	1.5	13.8	425-1145-ND#	1.13	.90	.75	GP1UM27RK
		40	1.5	13.8	425-1146-ND	1.13	.90	.75	GP1UM27XK
		40	.2	14	425-1123-ND	1.15	.92	.76	GP1UD27XK
		40	0.6	14.0	425-1904-ND	1.08	.90	.72	GP1UE27XK
		40	1.5	17.8	425-1158-ND#	1.13	.90	.75	GP1UM28RK
		40	1.5	17.8	425-1159-ND	1.13	.90	.75	GP1UM28XK
		40	.2	18	425-1130-ND	1.15	.92	.76	GP1UD28XK
		40	0.6	18.0	425-1909-ND	1.08	.90	.72	GP1UE28XK
		56.8	.2	8.8	425-1118-ND	1.15	.92	.76	GP1UD267XK
		56.8	0.6	8.8	425-1900-ND	1.08	.90	.72	GP1UE267XK
		56.8	1.5	8.8	425-1136-ND	1.13	.90	.75	GP1UM267XK
		56.8	1.5	13.8	425-1143-ND#	1.13	.90	.75	GP1UM277RK
		56.8	1.5	13.8	425-1144-ND	1.13	.90	.75	GP1UM277XK
		56.8	.2	14	425-1122-ND	1.15	.92	.76	GP1UD277XK
		56.8	0.6	14.0	425-1903-ND	1.08	.90	.72	GP1UE277XK
		56.8	1.5	17.8	425-1154-ND#	1.13	.90	.75	GP1UM287RK
		56.8	1.5	17.8	425-1155-ND	1.13	.90	.75	GP1UM287XK
		56.8	.2	18	425-1128-ND	1.15	.92	.76	GP1UD287XK
		56.8	0.6	18.0	425-1907-ND	1.08	.90	.72	GP1UE287XK
		36.7	1.5	16.1	425-1149-ND#	1.13	.90	.75	GP1UM282QK
		36.7	1.5	16.1	425-1152-ND	1.13	.90	.75	GP1UM282YK
		36.7	.2	16.6	425-1127-ND	1.15	.92	.76	GP1UD282YK
		38	1.5	16.1	425-1147-ND#	1.35	1.13	.90	GP1UM281QK
		38	1.5	16.1	425-1148-ND	1.13	.90	.75	GP1UM281YK
		38	0.6	16.6	425-1906-ND	1.08	.90	.72	GP1UE281YK
2	Side	40	1.5	16.1	425-1160-ND	1.13	.90	.75	GP1UM28YK
		40	.2	16.6	425-1131-ND	1.35	.92	.76	GP1UD28YK
		40	0.6	16.6	425-1910-ND	1.08	.90	.72	GP1UE28YK
		56.8	1.5	16.1	425-1153-ND#	1.13	.90	.75	GP1UM287QK
		56.8	1.5	16.1	425-1156-ND	1.13	.90	.75	GP1UM287YK
		56.8	.2	16.6	425-1129-ND	1.15	.92	.76	GP1UD287YK
		56.8	0.6	16.6	425-1908-ND	1.08	.90	.72	GP1UE287YK
		36	1.5	28	425-1852-ND#	1.53	1.28	1.02	GP1UV700QS
		36	0.6	28	425-1856-ND#	1.53	1.28	1.02	GP1UW700QS
		36.7	1.5	28	425-1851-ND#	1.53	1.28	1.02	GP1UV702QS
		36.7	0.6	28	425-1855-ND#	1.53	1.28	1.02	GP1UW702QS
3	Side	38	1.5	28	425-1850-ND#	1.14	.95	.76	GP1UV701QS
		38	1.5	28.0	425-1911-ND	.84	.70	.56	GP1UX501QS
		38	0.6	28	425-2501-ND#◊	.96	.80	.64	GP1UX511QS
		40	1.5	28	425-1849-ND#	1.14	.95	.76	GP1UV700QS
		40	0.6	28	425-1853-ND#	1.20	1.00	.80	GP1UW700QS

‡ Tube # With mesh ◊ *RoHS Compliant*

IrDA Transceiver Module

Sharp's opto-wireless transceiver module is compatible with IrDA standard.
Applications: • Cellular phones • PDA • Personal computers

Data Vcc (V)	Transfer Rate SIR (kbps)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	T & R† Pricing 2,000	Sharp Part No.
		IrDA 115 Kbit/s, 1 Meter					
2.4 – 5.5	9.6 – 115.2	425-1914-1-ND	2.86	2.51	2.01	1810.38/M	GP2W0004XP
		IrDA 115 Kbit/s, 1 Meter and 4 Mbit/s, 1 Meter					
2.7 – 5.5	9.6 – 115.2	425-1171-1-ND	4.52	3.96	3.17	—	GP2W1001YP
		IrDA 115 Kbit/s, 20cm					
2.0 – 3.6	2.4 – 115.2	425-1172-1-ND	2.14	1.88	1.50	1354.62/M	GP2W0110YPS
1.7 – 2.5	2.4 – 115.2	425-1173-1-ND	2.56	2.24	1.80	1620.48/M	GP2W0112YP
2.0 – 3.6	2.4 – 115.2	425-2058-1-ND◊	2.18	1.91	1.53	1379.94/M	GP2W0114YP0F
2.0 – 3.6	2.4 – 115.2	425-1915-1-ND	2.00	1.75	1.40	1266.00/M	GP2W0116YPS
2.0 – 3.6	2.4 – 115.2	425-1916-1-ND	2.00	1.75	1.40	1266.00/M	GP2W0118YPS

† For Tape and Reel part number, change 1-ND to 2-ND. ◊ *RoHS Compliant*

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High Brightness LEDs

Fig. 1

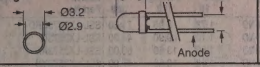

Fig. 2

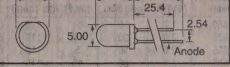

Fig. 3

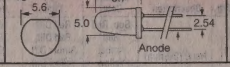

Fig. 4

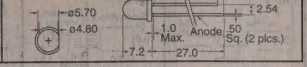

Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Pricing 1	10	100	500	Lumex Part No.
1	T-1 (3mm)	Sup. Orange	Water Clear	620	2.0	30	1000	30	67-1074-ND	.99	8.25	74.25	330.00	SSL-LX3044SOC
		Sup. Yellow		590	2.1	30	1000	30	67-1076-ND	.86	7.20	64.80	288.00	SSL-LX3044SYC
		Green		502	3.5	25	1100	30	67-1754-ND	2.73	22.75	204.75	910.00	SSL-LX3044UEGC
2	T-1 3/4 (5mm)	Super Red	Water Clear	660	1.7	30	2800	30	67-1612-ND	.54	4.48	40.28	179.00	SSL-LX5093SRC/E
		Super Red		660	1.7	30	1800	30	67-1611-ND	.55	4.60	41.40	184.00	SSL-LX5093SRC/DW
		Super Red		660	1.7	30	1500	30	67-1610-ND	.28	2.33	20.93	93.00	SSL-LX5093SRC/DV
		Sup. Orange		610	2.0	30	2500	30	67-1113-ND	.99	8.25	74.25	330.00	SSL-LX5093SOC
		Sup. Yellow		590	2.1	30	1000	30	67-1115-ND	.71	5.95	53.55	238.00	SSL-LX5093SYC
		Green		502	3.5	25	1900	30	67-1755-ND	2.73	22.75	204.75	910.00	SSL-LX5093UEGC
3	T-1 3/4 (5mm)	Red	Water Clear	660	1.7	30	2500	20	67-1122-ND	.57	4.78	42.98	191.00	SSL-LX5093XRC/4
		Yellow		590	2.1	30	1300	20	67-1123-ND	1.00	8.30	74.70	332.00	SSL-LX5093XYC
4	T-1 3/4 (4.7mm)	Green	Water Clear	502	3.5	25	1000	30	67-1756-ND	2.73	22.75	204.75	910.00	SSL-LX4073UEGC

DSP LEDs Low Voltage LEDs, 1.5V

Operating Temperature:
-40°C ~ 85°C

Fig. 1

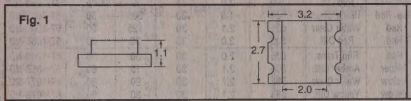

Fig. 2

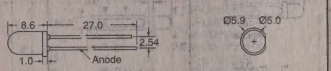

Fig.	Pkg. Type	Emitted Color	Lens Color	Wave Peak (nm)	Forward Voltage (min.)	LED Current (@ 1.5V)	Typ. mcd @ 2V	Viewing Angle 2x Theta	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape and Reel Size	Pricing	Lumex Part No.
1	1210	Super Red	Water Clear	636	1.5V	10	40	140°	67-1867-1-ND	2.14	1.83	1.53	67-1867-2-ND	3,000	1012.60/M	SML-DSP1210SIC-TR
		Orange	Water Clear	620	1.5V	10	40	140°	67-1868-1-ND	2.17	1.86	1.55	67-1868-2-ND	3,000	1029.20/M	SML-DSP1210SOC-TR
		Yellow	Water Clear	590	1.5V	10	30	140°	67-1869-1-ND	2.17	1.86	1.55	67-1869-2-ND	3,000	1029.20/M	SML-DSP1210SYC-TR
		Green	Water Clear	525	1.5V	2.5	40	140°	67-1870-1-ND	3.26	2.79	2.33	67-1870-2-ND	3,000	1543.80/M	SML-DSP1210UPGC-TR
		Blue	Water Clear	470	1.5V	2.5	35	140°	67-1871-1-ND	2.59	2.22	1.85	67-1871-2-ND	3,000	1228.40/M	SML-DSP1210USBC-TR
2	5mm	Red	Water Clear	636	1.5V	10	2500	30°	67-1872-ND	2.04	1.70	1.53	—	—	—	SSL-DSP5093SIC
		Orange	Water Clear	610	1.5V	10	2500	30°	67-1873-ND	2.04	1.70	1.53	—	—	—	SSL-DSP5093SOC
		Yellow	Water Clear	590	1.5V	10	2500	30°	67-1874-ND	2.04	1.70	1.53	—	—	—	SSL-DSP5093SYC
		Green	Water Clear	525	1.5V	2.5	3500	30°	67-1875-ND	3.00	2.50	2.25	—	—	—	SSL-DSP5093UPGC
		Blue	Water Clear	470	1.5V	2.5	2500	30°	67-1876-ND	2.55	2.13	1.92	—	—	—	SSL-DSP5093USBC
		Ultra White	Water Clear	—	1.5V	2.5	3000	30°	67-1877-ND	3.39	2.83	2.55	—	—	—	SSL-DSP5093UWC

White LEDs

Fig. 1

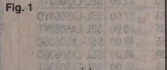

Fig. 2

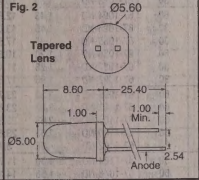

Fig. 3

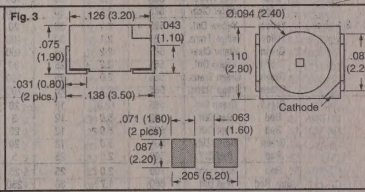

Fig. 4

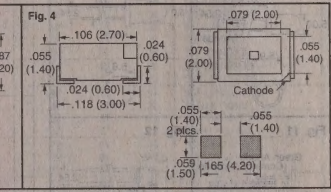

Fig.	Description (mm)	Emitted Color	Lens	Vf (V) Typ.	If (mA) Max.	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	500	Digi-Key Part No.	Tape and Reel Size	Pricing	Lumex Part No.
1	T-1 (3mm)	White	Water Clear	3.6	30	750	40	67-1606-ND*	3.75	33.75	270.00	1200.00	—	—	—	SSL-LX3054UWC/A
				3.5	30	3,300	30	67-1690-ND*	1.11	9.99	79.92	355.20	—	—	—	SLX-LX3054UWC
				3.6	30	800	30	67-1954-ND*	2.20	19.80	158.40	704.00	—	—	—	SSL-LX3044UWC
				3.6	30	900	20	67-1955-ND*	2.20	19.80	158.40	704.00	—	—	—	SSL-LX3054UWC/B
1	T-1 3/4 (5mm)	White	Water Clear	3.6	30	1,700	20	67-1956-ND*	2.20	19.80	158.40	704.00	—	—	—	SSL-LX5093UWC/B
				3.6	30	740	45	67-1605-ND*	3.75	33.75	270.00	1200.00	—	—	—	SSL-LX5093UWC/A
				3.0	25	3,500	40	67-1691-ND*	.87	7.79	62.28	276.80	—	—	—	SLX-LX5093UWC/C
				3.5	30	7,400	15	67-1692-ND*	.99	8.91	71.28	316.80	—	—	—	SLX-LX5093UWC/D
				3.5	25	8,000	20	67-1693-ND*	1.11	9.99	79.92	355.20	—	—	—	SLX-LX5093UWC/E
				3.5	25	9,000	20	67-1694-ND*	1.38	12.38	99.00	440.00	—	—	—	SLX-LX5093UWC/F
				3.5	25	11,000	20	67-1695-ND*	1.47	13.19	105.48	468.80	—	—	—	SLX-LX5093UWC/G
				3.6	30	680	34	67-1696-ND*	2.22	19.98	159.84	710.40	—	—	—	SSL-LX5093UWW
2	T-1 3/4 (5mm)	White	Water Clear	3.6	30	2,300	15	67-1604-ND*	3.75	33.75	270.00	1200.00	—	—	—	SSL-LX5093XUWC
3	3.2 x 2.8	White	Water Clear	3.5	30	150	120	67-1608-1-ND	3.00	27.75	249.00	—	67-1608-2-ND	1,500	2100.00/M	SML-LX2832UWC-TR
4	2.7 x 2.0	White	Water Clear	3.5	30	150	120	67-1607-1-ND	2.86	26.46	237.38	—	67-1607-2-ND	1,000	2002.00	SML-LX23UWC-TR
—	0603	White	Yellow Diffused	3.5	20	65	140	67-1959-1-ND	1.22	10.13	81.00	374.63	67-1959-2-ND	4,000	672.30/M	SML-LX0603UWD-TR

* Bulk

Blue LEDs

Fig. 1

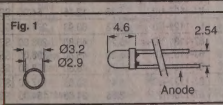

Fig. 2

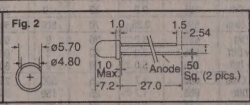

Fig. 3

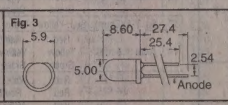

Fig. 4

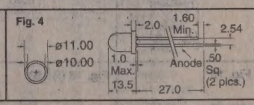

Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Pricing 1	10	100	500	Lumex Part No.
1	T-1 (3mm)	Blue	Water Clear Blue Diff.	470	3.6	30	1000	30	67-1747-ND	2.23	20.03	160.20	712.00	SSL-LX3044USBC
				470	3.5	30	80	60	67-1748-ND	2.23	20.03	160.20	712.00	SSL-LX3044USBD
2	T-1 3/4 (4.7mm)	Blue	Water Clear	470	3.5	30	750	30	67-1749-ND	2.23	20.03	160.20	712.00	SSL-LX4073USBC
3	T-1 3/4 (5mm)	Blue	Water Clear Blue Diff.	470	3.5	30	1000	30	67-1750-ND	2.23	20.03	160.20	712.00	SSL-LX5093USBC
				470	3.5	30	300	60	67-1751-ND	2.23	20.03	160.20	712.00	SSL-LX5093USBD
4	10mm	Blue	Water Clear Blue Diff.	470	3.6	30	800	15	67-1752-ND	3.05	27.45	219.60	976.00	SSL-LX100133USBC
				470	3.6	30	300	60	67-1753-ND	3.05	27.45	219.60	976.00	SSL-LX100133USBD

Fig. 1

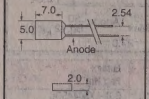

Fig. 2

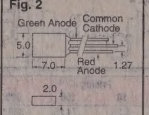

Fig. 3

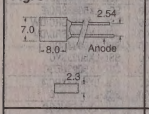

Fig. 4

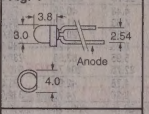

Fig. 5

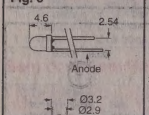

Fig. 6

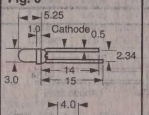

Fig. 7

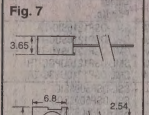

Fig. 8

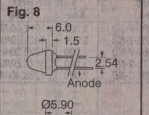

Fig. 9

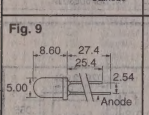

Fig. 10

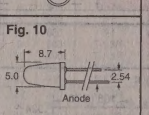

Fig. 11

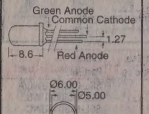

Fig. 12

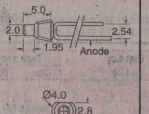

Fig. 13

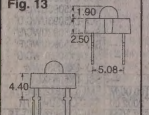

Fig. 14

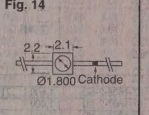

Fig. 15

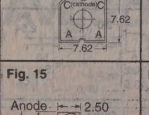

Fig. 16 (RGB)

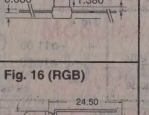

Fig.	Description	Emitted Color	Lens	Wavelength (nm)	Peak Vf (V) Typ.	If (mA) Max.	Io (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Pricing 10	100	500	Lumex Part No.
1	Rect. (2x5mm)	Sup. Red	Red Diff.	660	1.7	30	80	110	67-1049-ND	1.78	15.98	71.00	SSL-LX2573SRD
		Red	Red Diff.	635	2.0	30	10	110	67-1047-ND	1.10	9.90	44.00	SSL-LX2573ID
		Amber	Amber Diff.	605	2.0	30	5	110	67-1045-ND	1.50	13.50	60.00	SSL-LX2573AD
		Yellow	Yellow Diff.	585	2.1	30	10	110	67-1050-ND	1.18	10.58	47.00	SSL-LX2573YD
		Green	Green Diff.	565	2.2	25	10	110	67-1046-ND	1.03	9.23	41.00	SSL-LX2573GD
		Pure Green	Green Diff.	555	2.1	25	6	110	67-1048-ND	1.50	13.50	60.00	SSL-LX2573PGD
2	Rect. (2x5mm)	Red/Green	White Diff.	635/565	2.0/2.2	30/25	10	90	67-1051-ND	4.05	36.45	162.00	SSL-LX2577IGW
3	Rect. (2.3x7mm)	Sup. Red	Red Diff.	660	1.8	30	50	110	67-1054-ND	2.20	19.80	88.00	SSL-LX25783SRD
		Red	Red Diff.	635	2.0	30	9	80	67-1053-ND	1.18	10.58	47.00	SSL-LX25783ID
		Yellow	Yellow Diff.	585	2.1	30	4	110	67-1055-ND	1.18	10.58	47.00	SSL-LX25783YD
		Green	Green Diff.	565	2.2	25	9	110	67-1052-ND	1.18	10.58	47.00	SSL-LX25783GD
4	T-1 (3mm)	Yellow	Yellow Diff.	585	2.1	30	10	60	67-1057-ND	1.63	14.63	65.00	SSL-LX3034YD
		Green	Green Diff.	565	2.2	25	10	60	67-1056-ND	1.50	13.50	60.00	SSL-LX3034GD
5	T-1 (3mm)	Red	Red Diff.	635	12.0	12	6	60	67-1067-ND	2.63	23.63	105.00	SSL-LX3044ID-12V
		Yellow	Yellow Diff.	585	12.0	12	6	60	67-1079-ND	2.63	23.63	105.00	SSL-LX3044YD-12V
		Green	Green Diff.	565	12.0	12	6	60	67-1061-ND	2.63	23.63	105.00	SSL-LX3044GD-12V
		Red	Red Diff.	635	5.0	12	6	60	67-1068-ND	3.30	29.70	132.00	SSL-LX3044ID-5V
		Yellow	Yellow Diff.	585	5.0	12	6	60	67-1080-ND	3.30	29.70	132.00	SSL-LX3044YD-5V
		Green	Green Diff.	565	5.0	12	6	60	67-1062-ND	3.30	29.70	132.00	SSL-LX3044GD-5V
		Dark Red	Red Diff.	700	2.0	25	6	60	67-1064-ND	.98	8.78	39.00	SSL-LX3044HD
		Sup. Red	Water Clear	660	1.8	30	600	30	67-1647-ND	2.78	24.98	111.00	SSL-LX3044SRC/D
		Red	Water Clear	635	2.1	30	125	30	67-1065-ND	1.23	11.03	49.00	SSL-LX3044IC
		Red	Red Diff.	635	2.0	30	30	60	67-1066-ND	1.38	12.38	55.00	SSL-LX3044ID
		Red	Red Trans.	635	2.0	30	30	30	67-1069-ND	1.23	11.03	49.00	SSL-LX3044IT
		Amber	Amber Diff.	605	2.1	30	15	60	67-1058-ND	1.23	11.03	49.00	SSL-LX3044AD
		Yellow	Water Clear	585	2.1	30	90	30	67-1077-ND	1.28	11.48	51.00	SSL-LX3044YC
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1078-ND	1.18	10.58	47.00	SSL-LX3044YD
		Yellow	Yellow Trans.	585	2.1	30	90	30	67-1081-ND	1.73	15.53	69.00	SSL-LX3044YT
		Green	Water Clear	565	2.2	25	100	30	67-1059-ND	1.20	10.80	48.00	SSL-LX3044GC
		Green	Green Diff.	565	2.2	25	40	60	67-1060-ND	1.10	9.90	44.00	SSL-LX3044GD
		Green	Green Trans.	565	2.2	25	40	30	67-1063-ND	1.20	10.80	48.00	SSL-LX3044GT
		Pure Green	Green Diff.	555	2.2	25	20	60	67-1075-ND	1.35	12.15	54.00	SSL-LX3044PGD
		Red	Red Diff.	635	2.0	30	30	60	67-1071-ND *	1.15	10.35	46.00	SSL-LX3044LID
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1072-ND *	1.13	10.13	45.00	SSL-LX3044LYD
		Green	Green Diff.	565	2.2	25	30	60	67-1070-ND *	1.05	9.45	42.00	SSL-LX3044LGD
6	T-1 (3mm)	Red	Red Diff.	635	2.1	30	30	60	67-1402-ND	1.48	13.28	59.00	SSL-LX3052ID
		Yellow	Yellow Diff.	585	2.1	30	15	80	67-1397-ND	1.50	13.50	60.00	SSL-LX3052YD
		Green	Green Diff.	565	2.2	25	15	80	67-1396-ND	1.50	13.50	60.00	SSL-LX3052GD
7	Rect. (4x7mm)	Red	Red Diff.	635	2.0	30	12	100	67-1083-ND	2.58	23.18	103.00	SSL-LX4673ID-LA20
		Yellow	Yellow Diff.	585	2.1	30	6	100	67-1084-ND	2.58	23.18	103.00	SSL-LX4673YD-LA20
		Green	Green Diff.	565	2.2	25	6	100	67-1082-ND	2.58	23.18	103.00	SSL-LX4673GD-LA20
8	T-1 3/4 (5mm)	Red	Red Diff.	700	2.0	25	5	60	67-1088-ND	1.13	10.13	45.00	SSL-LX5063HD
		Red	Water Clear	635	2.0	30	160	30	67-1089-ND	1.50	13.50	60.00	SSL-LX5063IC
		Red	Red Diff.	635	2.0	30	40	60	67-1090-ND	1.28	11.48	51.00	SSL-LX5063ID
		Red	Red Trans.	635	2.0	30	160	30	67-1091-ND	1.43	12.83	57.00	SSL-LX5063IT
		Yellow	Water Clear	585	2.1	30	100	30	67-1093-ND	1.80	16.20	72.00	SSL-LX5063YC
		Yellow	Yellow Diff.	585	2.1	30	20	60	67-1094-ND	1.43	12.83	57.00	SSL-LX5063YD
		Yellow	Yellow Trans.	585	2.1	30	100	30	67-1095-ND	1.45	13.05	58.00	SSL-LX5063YT
		Green	Water Clear	565	2.2	25	100	30	67-1085-ND	1.95	17.55	78.00	SSL-LX5063GC
		Green	Green Diff.	565	2.2	25	30	60	67-1086-ND	1.20	10.80	48.00	SSL-LX5063GD
		Green	Green Trans.	565	2.0	25	100	30	67-1087-ND	1.28	11.48	51.00	SSL-LX5063GT
		Green	Green Trans.	565	2.2	25	100	30	67-1092-ND *	1.95	17.55	78.00	SSL-LX5063LGT
9	T-1 3/4 (5mm)	Green	Green Diff.	565	12.0	12	20	60	67-1099-ND	3.30	29.70	132.00	SSL-LX5093GD-12V
		Red	Red Diff.	700	5.0	12	3	60	67-1103-ND	2.63	23.63	105.00	SSL-LX5093HD-5V
		Red	Red Diff.	635	5.0	12	20	60	67-1105-ND	2.63	23.63	105.00	SSL-LX5093ID-5V
		Green	Green Diff.	565	5.0	12	20	60	67-1100-ND	2.63	23.63	105.00	SSL-LX5093GD-5V
		Red	Red Diff.	700	2.0	25	5	60	67-1102-ND	.98	8.78	39.00	SSL-LX5093HD
		Red	Red Trans.	700	2.0	25	25	30	67-1104-ND	1.30	11.70	52.00	SSL-LX5093HT
		Sup. Red	Red Diff.	660	1.7	30	250	60	67-1648-ND	1.58	14.18	63.00	SSL-LX5093SRD/D
		Red	Red Diff.	635	2.0	30	40	60	67-1105-ND	1.05	9.45	42.00	SSL-LX5093ID
		Red	Red Trans.	635	2.0	30	80	30	67-1107-ND	1.23	11.03	49.00	SSL-LX5093IT
		Amber	Amber Diff.	605	2.0	30	30	60	67-1097-ND	1.23	11.03	49.00	SSL-LX5093AD
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1116-ND	1.13	10.13	45.00	SSL-LX5093YD
		Yellow	Yellow Trans.	585	2.1	30	40	30	67-1117-ND	1.25	11.25	50.00	SSL-LX5093YT
		Green	Green Diff.	565	2.2	25	30	60	67-1098-ND	1.03	9.23	41.00	SSL-LX5093GD
		Green	Green Trans.	565	2.2	25	50	30	67-1101-ND	1.20	10.80	48.00	SSL-LX5093GT
		Pure Green	Green Diff.	555	2.2	25	15	60	67-1112-ND	1.20	10.80	48.00	SSL-LX5093PGD
		Red	Red Diff.	635	2.0	30	40	60	67-1110-ND *	1.15	10.35	46.00	SSL-LX5093LID
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1111-ND *	1.15	10.35	46.00	SSL-LX5093LYD
		Green	Green Diff.	565	2.2	25	30	60	67-1108-ND *	1.08	9.68	43.00	SSL-LX5093LGD
		Green	Green Trans.	565	2.2	25	80	30	67-1109-ND *	1.23	11.03	49.00	SSL-LX5093LGT
10	T-1 3/4 (5mm)	Red	Water Clear	635	2.0	30	600	20	67-1120-ND	1.50	13.50	60.00	SSL-LX5093XIC
		Amber	Water Clear	610	2.0	30	600	20	67-1118-ND	2.45	22.05	98.00	SSL-LX5093XAC
		Green	Water Clear	565	2.2	25	250	20	67-1119-ND	1.65	14.85	66.00	SSL-LX5093XGC
		Green	Green Diff.	555	2.2	25	45	20	67-1121-ND	2.48	22.28	99.00	SSL-LX5093XPGC
11	T-1 3/4 (5mm)	Red/Green	White Diff.	635/565	2.1	30/25	20	60	67-1124-ND	3.70	33.30	148.00	SSL-LX5097IGW
12	T-3/4 (2mm)	Red	Red Diff.	635	2.0	30	25	70	67-1125-ND	1.48	13.28	59.00	SSL-LX20465ID
		Yellow	Yellow Diff.	585	2.1	30	10	70	67-1126-ND	1.50	13.50	60.00	SSL-LX20465YD
		Green	Green Diff.	565	2.2	25	10	70	67-1127-ND	1.35	12.15	54.00	SSL-LX20465GD
13	Sq. T-1 (3mm)	Sup. Yellow	Water Clear	590	2.25	70	800	50	67-1128-ND	6.78	60.98	271.00	SSL-LX30448SYC
14	Axial (1.8mm)	Red	Red Diff.	635	5.0	30	8	60	67-1131-ND	5.20	46.80	208.00	SSL-LXA227ID-5V
		Yellow	Yellow Diff.	585	5.0	20	8	60	67-1132-ND	5.20	46.80	208.00	SSL-LXA227YD-5V
		Green	Green Diff.	565	5.0	30	8	60	67-1130-ND	5.20	46.80	208.00	SSL-LXA227GD-5V
15	Axial (1.9mm)	Red	Water Clear	660	1.7	25	600	25	67-1137-ND *	3.43	30.83	137.00	SSL-LXA228SRC
		Red	Red Diff.	660	1.7	25	150	50	67-1138-ND *	3.85	34.65	154.00	SSL-LXA228SRD
		Red	Water Clear	635	2.0	30	30	25	67-1134-ND	2.45	22.05	98.00	SSL-LXA228IC
		Red	Red Diff.	635	2.0	30	25	50	67-1135-ND	2.25	20.25	90.00	SSL-LXA228ID
		Sup. Yellow	Water Clear	585	2.0	30	300	25	67-1139-ND	10.55	94.95	422.00	SSL-LXA228SYC
		Yellow	Water Clear	585	2.1	30	30	25	67-1140-ND	2.55	22.95	102.00	SSL-LXA228YC
		Green	Water Clear	565	2.2	25	50	25	67-1136-ND	2.93	26.33	117.00	SSL-LXA228SGC
		Green	Green Diff.	565	2.2	25	12	25	67-1133-ND	2.25	20.25	90.00	SSL-LXA228GD
16	T-1 3/4 (5mm)	Red/Green Blue	Water Clear	636/574 470	1.9/2.1 3.65	30	600/450 150	30	67-1829-ND	60.50	544.50	2420.00	SSL-LX5099SIUBSUGB

* Low Current Version Lights at (2mA)

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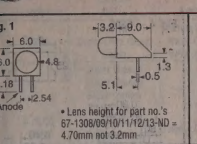


Fig. 2

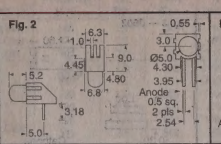
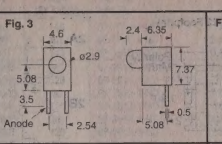


Fig. 3



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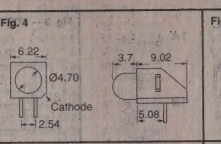

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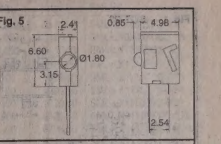


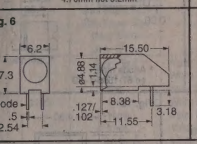


Fig. 7

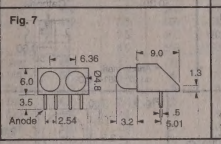


Fig. 8

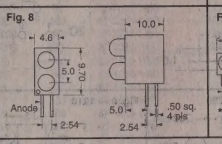


Fig. 9

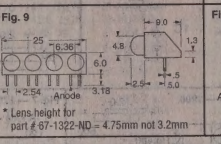
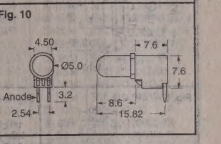


Fig. 10



	Description	Emitted Color	Lens	Peak Wavelength (n.m)	Vf (V) Typ.	If (mA) Max.	Iq (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Price Each 1	25	100	Lumex Part No.
		Red/Green	White Diff.	700/565	2.0/2.2	25	6/20	60	67-1221-ND	.72	.60	.48	SSF-LXH100HGW
		Red	Red Diff.	635	5.0	12	30	60	67-1222-ND	.72	.60	.48	SSF-LXH100ID-5V
		Green	Green Diff.	565	5.0	12	10	60	67-1223-ND	.72	.60	.48	SSF-LXH100GD-5V
		Red	Red Diff.	700	2.0	25	6	60	67-1308-ND	.48	.40	.32	SSF-LXH100HD-01
		Red	Red Diff.	660	1.7	30	60	60	67-1225-ND	.72	.60	.48	SSF-LXH100SRD
		Red	Red Diff.	635	2.0	30	40	60	67-1309-ND	.84	.70	.56	SSF-LXH100ID-01
		Red	Red Diff.	635	2.0	30	40	60	67-1217-ND	.45	.38	.30	SSF-LXH100ID
	5mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1311-ND	.84	.70	.56	SSF-LXH100YD-01
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1224-ND	.45	.38	.30	SSF-LXH100YD
		Green	Green Diff.	565	2.2	25	30	60	67-1310-ND	.84	.70	.56	SSF-LXH100GD-01
		Green	Green Diff.	565	2.2	25	30	60	67-1218-ND	.45	.38	.30	SSF-LXH100GD
		Red	Red Diff.	635	2.0	30	40	60	67-1312-ND†	.84	.70	.56	SSF-LXH100LID-01
		Red	Red Diff.	635	2.0	30	40	60	67-1219-ND†	.57	.48	.38	SSF-LXH100LID
		Green	Green Diff.	565	2.2	25	30	60	67-1313-ND†	.84	.70	.56	SSF-LXH100LGD-01
		Green	Green Diff.	565	2.2	25	30	60	67-1220-ND†	.57	.48	.38	SSF-LXH100LGD
		Red/Green	White Diff.	700/565	2.0/2.2	30	6/20	60	67-1226-ND	.72	.60	.48	SSF-LXH100MHGW
		Red	Red Diff.	635	5.0	12	20	60	67-1233-ND	.72	.60	.48	SSF-LXH100MID-5V
		Green	Green Diff.	565	5.0	30	20	60	67-1234-ND	.72	.60	.48	SSF-LXH100MGD-5V
		Red	Red Diff.	660	1.8	30	100	60	67-1230-ND	.72	.60	.48	SSF-LXH100MSRD
		Red	Red Diff.	635	2.0	30	30	60	67-1227-ND	.45	.38	.30	SSF-LXH100MID
	5mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1229-ND	.45	.38	.30	SSF-LXH100MYD
		Green	Green Diff.	565	2.2	25	30	60	67-1228-ND	.45	.38	.30	SSF-LXH100MGD
		Red	Red Diff.	635	2.0	30	30	60	67-1231-ND†	.57	.48	.38	SSF-LXH100MLID
		Green	Green Diff.	565	2.2	25	30	60	67-1232-ND†	.57	.48	.38	SSF-LXH100MLGD
		Red	Red Diff.	635	5.0	12	9	60	67-1241-ND	.66	.55	.44	SSF-LXH103ID-5V
		Green	Green Diff.	565	5.0	12	5.6	60	67-1242-ND	.66	.55	.44	SSF-LXH103GD-5V
		Red	Red Diff.	660	1.8	30	80	60	67-1238-ND	.54	.45	.36	SSF-LXH103SRD
		Red	Red Diff.	635	2.0	30	30	60	67-1235-ND	.39	.33	.26	SSF-LXH103ID
	3mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1237-ND	.39	.33	.26	SSF-LXH103YD
		Green	Green Diff.	565	2.1	30	30	60	67-1236-ND	.39	.33	.26	SSF-LXH103GD
		Red	Red Diff.	635	2.0	30	40	60	67-1239-ND†	.54	.45	.36	SSF-LXH103LID
		Green	Green Diff.	565	2.1	25	30	60	67-1240-ND†	.54	.45	.36	SSF-LXH103LGD
		Red	Red Diff.	700	5.0	12	3	60	67-1038-ND	.95	.79	.64	SSF-LXH104HD-5V
		Red	Red Diff.	635	2.0	30	40	60	67-1039-ND	.32	.27	.22	SSF-LXH104ID
	5mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1040-ND	.32	.27	.22	SSF-LXH104YD
		Green	Green Diff.	565	2.2	25	30	60	67-1037-ND	.32	.27	.22	SSF-LXH104GD
		Red	Red Diff.	635	2.0	30	8	60	67-1042-ND	.72	.61	.49	SSF-LXH555ID
	1.8mm	Yellow	Yellow Diff.	585	2.1	30	8	60	67-1043-ND	.72	.61	.49	SSF-LXH555YD
		Green	Green Diff.	565	2.1	25	8	60	67-1041-ND	.72	.61	.49	SSF-LXH555GD
		Red/Green	White Diff.	700/565	2.1	30	5/8	60	67-1243-ND	.81	.68	.54	SSF-LXH1071HGW
		Red	Red Diff.	660	1.7	30	40	60	67-1247-ND	.72	.60	.48	SSF-LXH1071SRD
		Red	Red Diff.	635	2.1	30	40	60	67-1244-ND	.54	.45	.36	SSF-LXH1071ID
	5mm	Yellow	Yellow Diff.	585	2.1	30	20	60	67-1246-ND	.54	.45	.36	SSF-LXH1071YD
		Green	Green Diff.	565	2.1	30	20	60	67-1245-ND	.54	.45	.36	SSF-LXH1071GD
		Green	Green Diff.	565	2.1	30	20	60	67-1249-ND†	.66	.55	.44	SSF-LXH1071LGD
		Red	Red Diff.	635	2.1	30	40	60	67-1248-ND†	.66	.55	.44	SSF-LXH1071LID
		Red	Red Diff.	660	1.8	30	100	60	67-1253-ND	1.08	.90	.72	SSF-LXH2100SRD
		Red	Red Diff.	635	2.0	30	40	60	67-1250-ND	.90	.75	.60	SSF-LXH2100ID
	5mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1252-ND	.90	.75	.60	SSF-LXH2100YD
		Green	Green Diff.	565	2.2	25	30	60	67-1251-ND	.90	.75	.60	SSF-LXH2100GD
		Red	Red Diff.	635	5.0	12	20	60	67-1260-ND	1.35	1.13	.90	SSF-LXH2103ID-5V/4
		Green	Green Diff.	565	5.0	12	20	60	67-1261-ND	1.35	1.13	.90	SSF-LXH2103GGD-5V/4
		Sup. Red	Red Diff.	660	1.7	30	130	60	67-1257-ND	1.56	1.30	1.04	SSF-LXH2103SRSRD/4
		Red	Red Diff.	635	2.0	30	40	60	67-1254-ND	.99	.83	.66	SSF-LXH2103IID/4
	3mm	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1256-ND	.99	.83	.66	SSF-LXH2103YYD/4
		Green	Green Diff.	565	2.2	25	30	60	67-1255-ND	.99	.83	.66	SSF-LXH2103GGD/4
		Red	Red Diff.	635	2.0	30	40	60	67-1258-ND†	1.20	1.00	.80	SSF-LXH2103LIID/4
		Green	Green Diff.	565	2.2	25	30	60	67-1259-ND†	1.20	1.00	.80	SSF-LXH2103LGGD/4
		Red/Green	White Diff.	700/565	2.1	25	4	60	67-1289-ND	2.34	1.95	1.56	SSF-LXH400HGW
		Red	Red Diff.	635	5.0	12	8	60	67-1290-ND	2.34	1.95	1.56	SSF-LXH400ID-5V
		Green	Green Diff.	565	5.0	12	20	60	67-1291-ND	2.34	1.95	1.56	SSF-LXH400GD-5V
		Red	Red Diff.	660	1.7	30	100	60	67-1288-ND	2.34	1.95	1.56	SSF-LXH400SRD
9	5mm	Red	Red Diff.	635	2.0	30	20	60	67-1285-ND	1.26	1.05	.84	SSF-LXH400ID
		Yellow	Yellow Diff.	585	2.1	30	20	60	67-1287-ND	1.26	1.05	.84	SSF-LXH400YD
		Green	Green Diff.	565	2.1	25	20	60	67-1322-ND	2.22	1.85	1.48	SSF-LXH400GD-01
		Green	Green Diff.	565	2.1	25	20	60	67-1286-ND	1.26	1.05	.84	SSF-LXH400GD
		Red/Green	White Diff.	700/565	2.1	25	6	60	67-1292-ND	1.38	1.15	.92	SSF-LXH4RA5HGW
		Red (blinking)	Red Diff.	635	3.5	70	20	60	67-1301-ND	2.64	2.20	1.76	SSF-LXH4RA5BID
		Red	Red Diff.	635	5.0	12	30	60	67-1299-ND	1.38	1.15	.92	SSF-LXH4RA5ID-5V
		Green	Green Diff.	565	5.0	12	15	60	67-1300-ND	1.38	1.15	.92	SSF-LXH4RA5GD-5V
		Red	Red Diff.	660	1.7	30	80	60	67-1296-ND	1.38	1.15	.92	SSF-LXH4RA5SRD
10	5mm	Red	Red Diff.	635	2.1	30	40	60	67-1293-ND	.96	.80	.64	SSF-LXH4RA5ID
		Yellow	Yellow Diff.	585	2.1	30	30	60	67-1295-ND	.96	.80	.64	SSF-LXH4RA5YD
		Green	Green Diff.	565	2.1	25	30	60	67-1294-ND	.96	.80	.64	SSF-LXH4RA5GD
		Red	Red Diff.	635	2.1	30	40	60	67-1297-ND†	.96	.80	.64	SSF-LXH4RA5LID
		Green	Green Diff.	565	2.1	25	30	60	67-1298-ND†	.96	.80	.64	SSF-LXH4RA5LGD

Low Current Version, Lights at (2mA)

Dim in m

Fig. 1 — SOT-23

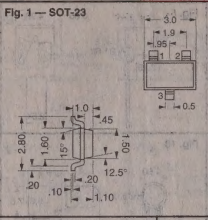


Fig. 2 — SOT-23 Footprint

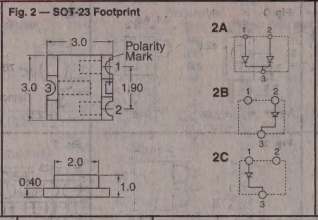


Fig. 3 — 0603

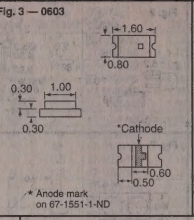


Fig. 4 — 0805

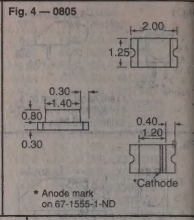


Fig. 5 — 4PLCC

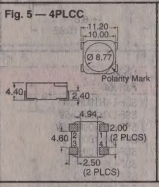


Fig. 6 — 1206

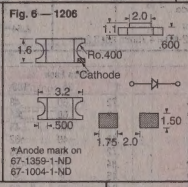


Fig. 7 — 1209

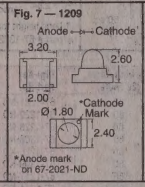


Fig. 8 — 1210

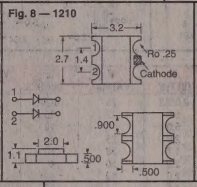


Fig. 9

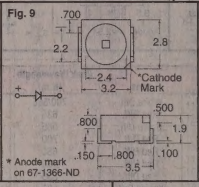


Fig. 10

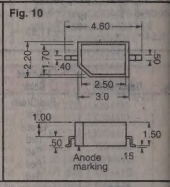


Fig. 11

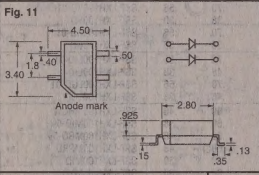


Fig. 12

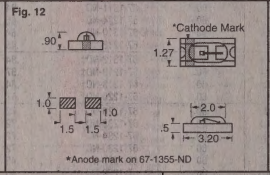


Fig. 13

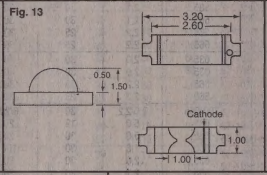


Fig. 14

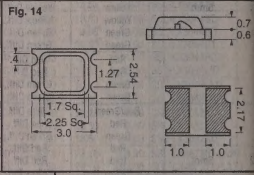


Fig. 15

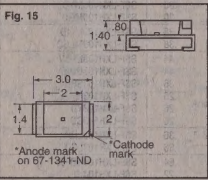


Fig. 16

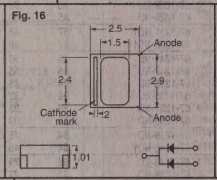


Fig. 17 — Gull Wing

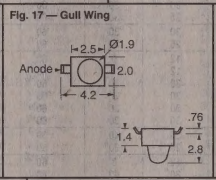


Fig. 18 — Yoke Shaped

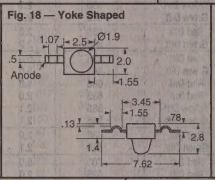


Fig. 19 — Z Bend

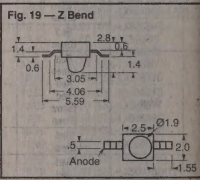


Fig. 20

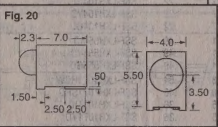


Fig. 21

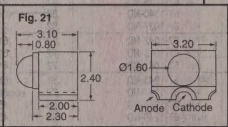


Fig. 22 — Interlocking, Re-Lampable

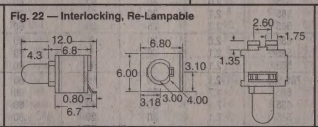


Fig. 23 — Interlocking, Re-Lampable

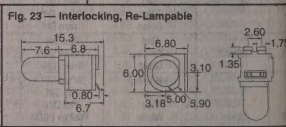


Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Io (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Lumex Part No.
1A	SOT-23	Red/Red	Water Clear	635	2.0	30	10	140	67-1334-1-ND	.96	.84	.72	—	—	—	SSL-LX15IIC-RP-TR
		Yellow/Yellow		585	2.1	30	10	140	67-1337-1-ND	.96	.84	.72	—	—	—	SSL-LX15YYC-RP-TR
1B	SOT-23	Yellow	Water Clear	585	2.1	30	10	140	67-1383-1-ND	.64	.56	.48	—	—	—	SSL-LX15YC-TR
1C	SOT-23	Yellow	Water Clear	585	2.1	30	10	140	67-1380-1-ND	.64	.56	.48	67-1380-2-ND	3,000	265.60/M	SSL-LX15YC-RP-TR
		Green		565	2.2	25	10	140	67-1379-1-ND	.64	.56	.48	—	—	—	SSL-LX15GC-RP-TR
2A	SOT-23	Red/Green	Water Clear	635/565	2.0/2.1	30/25	10	140	67-1655-1-ND	.83	.73	.63	67-1655-2-ND	3,000	343.62/M	SML-LX15IGC-RP-TR
		Yellow/Green		585/565	2.1/2.2	30/25	10	140	67-1674-1-ND	.83	.73	.63	67-1674-2-ND	3,000	343.62/M	SML-LX15YGC-RP-TR
2B	SOT-23	Super Red	Water Clear	660	1.7	30	20	140	67-1660-1-ND	.56	.50	.43	67-1660-2-ND	3,000	234.06/M	SML-LX15SRC-TR
		Red		635	2.0	30	10	140	67-1684-1-ND	.52	.46	.40	67-1684-2-ND	3,000	217.63/M	SML-LX15IC-TR
		Super Yellow		590	2.1	30	60	140	67-1664-1-ND	.58	.51	.44	67-1664-2-ND	3,000	240.70/M	SML-LX15SYC-TR
		Super Ultra Green		574	2.2	25	45	140	67-1662-1-ND	.58	.51	.44	67-1662-2-ND	3,000	240.70/M	SML-LX15SUGC-TR
		Green		565	2.2	25	10	140	67-1685-1-ND	.52	.46	.40	67-1685-2-ND	3,000	217.46/M	SML-LX15GC-TR
		Ultra Pure Green		525	3.5	30	45	140	67-1666-1-ND	3.13	2.75	2.35	—	—	—	SML-LX15UPGC-TR
		Ultra Super Blue		470	3.5	30	120	140	67-1668-1-ND	3.13	2.75	2.35	67-1668-2-ND	3,000	1299.78/M	SML-LX15USBC-TR
2C	SOT-23	Super Red	Water Clear	660	1.7	30	20	140	67-1661-1-ND	.56	.50	.43	67-1661-2-ND	3,000	234.00/M	SML-LX15SRC-RP-TR
		Super Yellow		590	2.1	30	60	140	67-1665-1-ND	.58	.51	.44	—	—	—	SML-LX15SYC-RP-TR
		Yellow		585	2.1	30	10	140	67-1671-1-ND	.52	.46	.40	—	—	—	SML-LX15YC-RP-TR
		Green		565	2.2	25	10	140	67-1656-1-ND	.52	.46	.40	67-1656-2-ND	3,000	217.46/M	SML-LX15GC-RP-TR
		Ultra Pure Green		525	3.5	30	45	140	67-1667-1-ND	3.13	2.75	2.35	—	—	—	SML-LX15UPGC-RP-TR
		Ultra Super Blue		470	3.5	30	120	140	67-1669-1-ND	3.13	2.75	2.35	67-1669-2-ND	3,000	1299.78/M	SML-LX15USBC-RP-TR
		Super Red		660	1.8	30	45	140	67-1551-1-ND	.15	.13	.10	67-1551-2-ND	4,000	83.00/M	SML-LX0603SRW-TR
3	0603	Red	White Diff.	635	2.0	30	14	160	67-1548-1-ND	.15	.13	.10	* 67-1548-2-ND	4,000	83.00/M	SML-LX0603IW-TR
		Yellow		585	2.1	30	14	160	67-1550-1-ND	.15	.13	.10	67-1550-2-ND	4,000	83.00/M	SML-LX0603YW-TR
		Green		565	2.2	25	18	160	67-1549-1-ND	.14	.12	.09	67-1549-2-ND	4,000	74.70/M	SML-LX0603GW-TR
4	0805	Super Red	White Diff.	660	1.8	30	21	140	67-1555-1-ND	.15	.13	.10	67-1555-2-ND	4,000	83.00/M	SML-LXT0805SRW-TR
		Red		635	2.0	30	11	140	67-1552-1-ND	.14	.12	.10	67-1552-2-ND	4,000	78.02/M	SML-LXT0805IW-TR

* Low current version, lights at 2mA † Bulk Pricing ‡ Reverse Polarity

(Continue

Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Lumex Part No.
0805	Yellow	White Diff.	585	2.1	30	10	140	67-1554-1-ND	.14	.12	.10	67-1554-2-ND	4,000	78.02/M	SML-LXT0805YW-TR
	Super Ultra Green	Water Clear	574	2.2	30	40	140	67-1687-1-ND	2.49	2.08	1.67	67-1687-2-ND	3,000	373.50/M	SML-LX0805SUGC-TR
	Green	White Diff.	565	2.0	30	11	140	67-1553-1-ND	.14	.12	.09	67-1553-2-ND	4,000	74.70/M	SML-LXT0805GW-TR
4 PLCC SMT	Super Orange	Water Clear	620	2.0	500	25000	90	67-2010-1-ND	7.81	6.84	5.86	67-2010-2-ND	500	1620.00	SML-LX1110SOC-ATR
	Super Orange		620	2.0	500	20000	120	67-2011-1-ND	7.81	6.84	5.86	67-2011-2-ND	500	1620.00	SML-LX1110SOC-BTR
	Super Yellow		590	2.0	500	19000	90	67-2012-1-ND	7.81	6.84	5.86	67-2012-2-ND	500	1620.00	SML-LX1110SYC-ATR
	Super Yellow		590	2.0	500	8500	120	67-2013-1-ND	7.81	6.84	5.86	67-2013-2-ND	500	1620.00	SML-LX1110SYC-BTR
	Ultra Pure Green		525	3.5	500	10000	90	67-2014-1-ND	32.32	28.28	24.24	67-2014-2-ND	500	6706.50	SML-LX1110UPGC-ATR
	Ultra Super Green		525	3.5	500	7500	120	67-2015-1-ND	32.32	28.28	24.24	67-2015-2-ND	500	6706.50	SML-LX1110UPGC-BTR
	Ultra Super Blue		470	3.5	500	2800	90	67-2016-1-ND	27.70	24.24	20.78	67-2016-2-ND	500	5747.00	SML-LX1110USBC-ATR
	Ultra Super Blue		470	3.5	500	250	120	67-2017-1-ND	27.70	24.24	20.78	67-2017-2-ND	500	5747.00	SML-LX1110USBC-BTR
	Ultra White		—	3.5	500	12000	90	67-2024-1-ND	27.68	24.22	20.76	67-2024-2-ND	500	5743.50	SML-LX1110UWC-ATR
	Ultra White		—	3.5	500	15000	90	67-2025-1-ND	27.68	24.22	20.76	67-2025-2-ND	500	5743.50	SML-LX1110UWC-BTR
1206	Super Red	Water Clear	660	1.7	30	25	160	67-1359-1-ND	.18	.17	.14	67-1359-2-ND	3,000	76.36/M	SML-LX1206SRC-TR
	Super Red	White Diff.	660	1.8	30	15	160	67-1004-1-ND	.28	.26	.22	67-1004-2-ND	3,000	119.52/M	SML-LX1206SRW-TR
	Red	Water Clear	635	2.0	25	6	160	67-1356-1-ND	.18	.16	.14	67-1356-2-ND	3,000	74.70/M	SML-LX1206IC-TR
	Red	White Diff.	635	2.0	25	6	160	67-1003-1-ND	.28	.25	.22	67-1003-2-ND	3,000	117.86/M	SML-LX1206IW-TR
	Yellow	Water Clear	585	2.1	25	8	160	67-1358-1-ND	.18	.16	.14	67-1358-2-ND	3,000	74.70/M	SML-LX1206YC-TR
	Green	Water Clear	565	2.2	25	10	160	67-1357-1-ND	.16	.14	.12	67-1357-2-ND	3,000	66.40/M	SML-LX1206GC-TR
	Green	White Diff.	565	2.2	25	10	160	67-1002-1-ND	.27	.24	.21	67-1002-2-ND	3,000	112.88/M	SML-LX1206GW-TR
1209 3.2 x 2.4mm SMT	Super Intensity Red	Water Clear	636	2.0	160	600	50	67-2020-1-ND	.32	.28	.24	67-2020-2-ND	1,000	133.00	SML-LXL1209SIC-TR
	Orange		610	2.0	160	1500	50	67-2021-1-ND	.32	.28	.24	67-2021-2-ND	1,000	133.00	SML-LXL1209SOC-TR
	Super Yellow		590	2.0	160	400	50	67-2022-1-ND	.32	.28	.24	67-2022-2-ND	1,000	133.00	SML-LXL1209SYC-TR
	Super Ultra Green		574	2.2	160	170	50	67-2018-1-ND	.42	.38	.32	67-2018-2-ND	1,000	176.00	SML-LXL1209SUGC-TR
	Ultra Pure Green		525	3.5	100	1000	50	67-2019-1-ND	2.13	1.87	1.60	67-2019-2-ND	1,000	883.00	SML-LXL1209UPGC-TR
	Ultra Super Blue		470	3.5	100	250	50	67-2023-1-ND	2.13	1.87	1.60	67-2023-2-ND	1,000	883.00	SML-LXL1209USBC-TR
1210	Sup. Red/Sup. Red	Water Clear	660	1.7	30	15	160	67-1360-1-ND	.64	.56	.48	67-1360-2-ND	3,000	265.60/M	SML-LX1210SRSRC-TR
	Red/Green		635/565	2.0/2.2	25	10	160	67-1361-1-ND	.34	.30	.26	67-1361-2-ND	3,000	141.10/M	SML-LX1210IGC-TR
	Yellow/Green		585/565	2.1/2.2	25	10	160	67-1363-1-ND	.34	.30	.26	67-1363-2-ND	3,000	141.10/M	SML-LX1210YGC-TR
	Green/Green		565/565	2.2	25	10	160	67-1362-1-ND	.34	.30	.26	67-1362-2-ND	3,000	141.10/M	SML-LX1210GGC-TR
3.2 x 2.8mm	Super Red	Water Clear	660	1.7	30	100	120	67-1366-1-ND	.80	.70	.60	67-1366-2-ND	2,000	332.00/M	SML-LX2832SRC-TR
	Red		635	2.0	30	25	120	67-1364-1-ND	.64	.56	.48	67-1364-2-ND	2,000	265.60/M	SML-LX2832IC-TR
	Yellow		585	2.1	30	15	120	67-1367-1-ND	.64	.56	.48	67-1367-2-ND	2,000	265.60/M	SML-LX2832YC-TR
	Green		565	2.1	25	25	120	67-1365-1-ND	.64	.56	.48	67-1365-2-ND	2,000	265.60/M	SML-LX2832GC-TR
3.0 x 2.2mm	Super Red	Water Clear	650	1.7	25	30	130	67-1371-1-ND‡	.80	.70	.60	67-1371-2-ND‡	2,000	332.00/M	SSL-LXA1725SRC-TR
	Red		635	2.0	30	12	130	67-1368-1-ND	.60	.53	.45	67-1368-2-ND	2,000	249.00/M	SSL-LXA1725IC-TR
	Yellow		585	2.1	30	12	130	67-1370-1-ND	.60	.53	.45	67-1370-2-ND	2,000	249.00/M	SSL-LXA1725YC-TR
	Green		565	2.2	25	25	130	67-1369-1-ND	.60	.53	.45	67-1369-2-ND	2,000	249.00/M	SSL-LXA1725GC-TR
3.4 x 2.8mm	Red/Green	Water Clear	635/565	2.0/2.2	30/25	12/20	130	67-1372-1-ND	1.08	.95	.81	67-1372-2-ND	1,000	448.20	SSL-LXA3025IGC-TR
	Yellow/Green		585/565	2.1/2.2	30/25	12	130	67-1373-1-ND	1.08	.95	.81	67-1373-2-ND	1,000	448.20	SSL-LXA3025YGC-TR
1.27 x 3.2mm	Super Red	Red Trans.	660	1.8	30	8	180	67-1355-1-ND	1.52	1.33	1.14	67-1355-2-ND	3,000	608.00/M	CCL-LX45SRT
	Red	Red Trans.	635	2.1	30	7.2	180	67-1352-1-ND	1.41	1.24	1.06	67-1352-2-ND	3,000	564.80/M	CCL-LX45IT
	Yellow	Yellow Trans.	585	2.3	30	7	180	67-1354-1-ND	1.46	1.28	1.10	67-1354-2-ND	3,000	584.00/M	CCL-LX45YT
	Green	Green Trans.	565	2.2	30	7	180	67-1353-1-ND	1.46	1.28	1.10	67-1353-2-ND	3,000	584.00/M	CCL-LX45GT
3.2 x 1.0mm	Super Red	Water Clear	660	1.7	30	30	130	67-1559-1-ND‡	.26	.22	.17	67-1559-2-ND‡	3,000	141.10/M	SML-LXR85SRC-TR
	Red		635	2.0	25	12	130	67-1556-1-ND	.26	.22	.17	67-1556-2-ND	3,000	141.10/M	SML-LXR85IC-TR
	Yellow		585	2.1	25	10	130	67-1558-1-ND	.24	.20	.16	67-1558-2-ND	3,000	131.14/M	SML-LXR85YC-TR
	Green		565	2.2	25	12	130	67-1557-1-ND	.23	.19	.16	67-1557-2-ND	3,000	126.16/M	SML-LXR85GC-TR
3.0 x 2.54mm	Super Red	Water Clear	660	1.7	15	40	180	67-1345-1-ND	1.04	.91	.78	67-1345-2-ND	3,000	431.60/M	CCL-CRS10SR
	Red		635	2.0	25	12	180	67-1342-1-ND	.70	.62	.53	67-1342-2-ND	3,000	290.50/M	CCL-CRS10R
	Yellow		585	2.1	30	8	180	67-1344-1-ND	.70	.62	.53	67-1344-2-ND	3,000	290.50/M	CCL-CRS10Y
	Green		565	2.2	25	12	180	67-1343-1-ND	.70	.62	.53	67-1343-2-ND	3,000	290.50/M	CCL-CRS10G
3.0 x 2.0mm	Super Red	Water Clear	660	1.7	30	100	90	67-1341-1-ND	.48	.42	.36	67-1341-2-ND	2,000	199.20/M	SML-LX23SRC-TR
	Red		635	2.0	30	20	90	67-1338-1-ND	.36	.32	.27	67-1338-2-ND	2,000	149.40/M	SML-LX23IC-TR
	Yellow		585	2.1	30	20	90	67-1340-1-ND	.36	.32	.27	67-1340-2-ND	2,000	149.40/M	SML-LX23YC-TR
	Green		585	2.1	25	20	90	67-1339-1-ND	.36	.32	.27	67-1339-2-ND	2,000	149.40/M	SML-LX23GC-TR
2.5 x 2.9mm	Sup. Red/Sup. Red	Water Clear	660	1.7	30	40	90	67-1349-1-ND	1.48	1.30	1.11	67-1349-2-ND	2,000	614.20/M	CCL-LX253SRSRC
	Yellow/Green		585/565	2.1	30/25	20	90	67-1351-1-ND	.96	.84	.72	67-1351-2-ND	2,000	398.40/M	CCL-LX253YGC
	Green/Green		565	2.0	25	20	90	67-1350-1-ND	.96	.84	.72	67-1350-2-ND	2,000	398.40/M	CCL-LX253GGC
2.0 x 2.5mm	Super Red	Water Clear	660	1.7	25	600	25	67-1393-1-ND‡	.78	.69	.59	67-1393-2-ND‡	1,000	323.70	SSL-LXA228SRC-TR11
	Red	Water Clear	635	2.0	30	80	25	67-1384-1-ND	.47	.42	.36	67-1384-2-ND	1,000	195.88	SSL-LXA228IC-TR11
	Yellow	Yellow Diff.	585	2.1	30	15	50	67-1145-1-ND	.48	.42	.36	67-1145-2-ND	1,000	197.54	SSL-LXA228YD-TR11
	Yellow	Water Clear	585	2.1	30	30	25	67-1386-1-ND	.47	.42	.36	67-1386-2-ND	1,000	195.88	SSL-LXA228YC-TR11
	Green	Green Diff.	565	2.1	25	4	50	67-1141-1-ND	.48	.42	.36	67-1141-2-ND	1,000	197.54	SSL-LXA228GD-TR11
	Green	Water Clear	565	2.2	25	30	25	67-1385-1-ND	.47	.42	.36	67-1385-2-ND	1,000	195.88	SSL-LXA228GC-TR11
2.0 x 2.5mm	Super Red	Water Clear	660	1.7	25	600	25	67-1394-1-ND‡	.78	.69	.59	67-1394-2-ND‡	1,000	323.70	SSL-LXA228SRC-TR21
	Red	Red Diff.	635	2.0	30	12	50	67-1143-1-ND	.50	.44	.38	67-1143-2-ND	1,000	207.50	SSL-LXA228ID-TR21
	Red	Red Diff.	635	2.0	30	12	50	67-1144-1-ND*	.52	.46	.39	67-1144-2-ND*	1,000	215.80	SSL-LXA228LID-TR21
	Red	Water Clear	635	2.0	30	60	25	67-1387-1-ND	.47	.42	.36	67-1387-2-ND	1,000	195.88	SSL-LXA228IC-TR21
	Yellow	Yellow Diff.	585	2.0	20	12	50	67-1146-1-ND	.48	.42	.36	67-1146-2-ND	1,000	197.54	SSL-LXA228YD-TR21
	Yellow	Water Clear	585	2.0	20	30	25	67-1389-1-ND	.47	.42	.36	67-1389-2-ND	1,000	195.88	SSL-LXA228YC-TR21
	Green	Green Diff.	565	2.1	30	4	50	67-1142-1-ND	.50	.44	.38	67-1142-2-ND	1,000	207.50	SSL-LXA228GD-TR21
	Green	Water Clear	565	2.1	30	30	25	67-1388-1-ND	.47	.42	.36	67-1388-2-ND	1,000	195.88	SSL-LXA228GC-TR21
2.0 x 2.5mm	Super Red	Water Clear	660	1.7	25	600	25	67-1395-1-ND‡	.78	.69	.59	67-1395-2-ND‡	1,000	323.70	SSL-LXA228SRC-TR31
	Red		635	2.0	30	60	25	67-1390-1-ND	.47	.42	.36	67-1390-2-ND	1,000	195.88	SSL-LXA228IC-TR31
	Yellow		585	2.0	20	30	25	67-1392-1-ND	.47	.42	.36	67-1392-2-ND	1,000	195.88	SSL-LXA228YC-TR31
	Green		565	2.1	30	30	25	67-1391-1-ND	.47	.42	.36	67-1391-2-ND	1,000	195.88	SSL-LXA228GC-TR31
T-1 (3mm) SMT RA	Super Red	Red Diff.	660	1.7	30	80	60	67-1377-1-ND	1.00	.88	.75	67-1377-2-ND	1,000	415.00	SSF-LXH305SRD-TR
	Red	Red Diff.	635	2.0	30	40	60	67-1374-1-ND	.76	.67	.57	67-1374-2-ND	1,000	315.40	SSF-LXH305ID-TR
	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1376-1-ND	.76	.67	.57	67-1376-2-ND	1,000	315.40	SSF-LXH305YD-TR
	Green	Green Diff.	565	2.2	25	30	60	67-1375-1-ND	.76	.67	.57	67-1375-2-ND	1,000	315.40	SSF-LXH305GD-TR
SMT RA	Super Red	Water Clear	636	2.0	30	60	110	67-1634-1-ND	.51	.45	.39	67-1634-2-ND	500	105.41	SMF-2432SIC-TR
	Super Yellow		590	2.1	30	170	110	67-1630-1-ND	.51	.45	.39	67-1630-2-ND	500	106.24	SMF-2432SYC-TR
	Yellow		585	2.0	30	14	110	67-1632-1-ND	.35	.31	.27	67-1632-2-ND	500	72.21	SMF-2432YC-TR
	Green		565	2.2	25	14	110	67-1631-1-ND	.34	.31	.26	67-1631-2-ND	500	71.38	SMF-2432GC-TR
	Ultra Green		525	3.5	30	160	110	67-1635-1-ND	5.40	5.60	4.80	67-1635-2-ND	500	1328.00	SMF-2432UPGC-TR
	Super Blue		470	3.5	30	140	110	67-1632-1-ND	3.32	2.91	2.49	67-1832-2-ND	500	688.90	SMF-2432USBC-TR
T-1 (3mm) SMT RA	Super Red	Red Diff.	660	1.7	30	80	60	67-1644-ND†	.80	.71	.61	—	—	—	SMF-HM1530SRD-305
	Red	Red Diff.	635	2.0	30	30	60	67-1641-ND†	.70	.62	.53	—	—	—	SMF-HM1530ID-305
	Yellow	Yellow Diff.	585	2.1	30	30	60	67-1642-ND†	.70	.62	.53	—	—	—	SMF-HM1530YD-305
	Green	Green Diff.	565	2.2	25	30	60	67-1643-ND†	.70	.62	.53	—	—	—	SMF-HM1530GD-305
T-1 3/4 (5mm) SMT RA	Super Red	Red Diff.	660	1.7	30	100	60	67-1622-ND†	.80	.71	.61	—	—	—	SMF-HM1530SRD-509
	Red	Red Diff.	635	2.0	25	30	60	67-1645-ND†	.70	.62	.53	—	—	—	SMF-HM1530ID-509
	Yellow	Yellow Diff.	585	2.1	25	30	60	67-1620-ND†	.70	.62	.53	—	—	—	SMF-HM1530YD-509
	Green	Green Diff.	565	2.2	25	30	60	67-1621-ND†	.70	.62	.53	—	—	—	SMF-HM1530GD-509

w current version, lights at 2mA † Bulk Pricing ‡ Reverse Polarity

Fig. 1

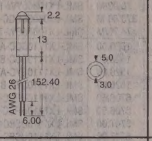


Fig. 2

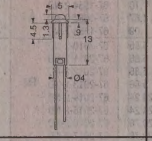


Fig. 3

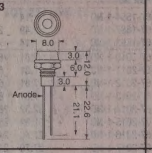


Fig. 4

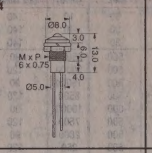


Fig. 5

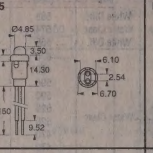


Fig. 6

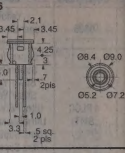
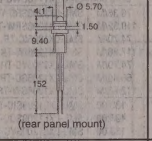
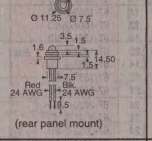


Fig. 7



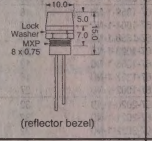
(rear panel mount)

Fig. 8



(rear panel mount)

Fig. 9



(reflector bezel)

Fig. 10

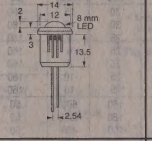


Fig. 11

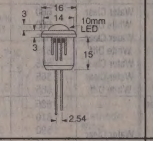


Fig. 12

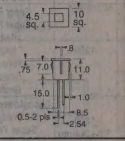


Fig. 13

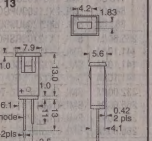


Fig. 14

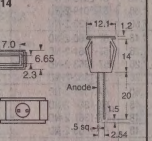


Fig. 15

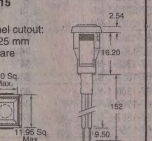


Fig. 16

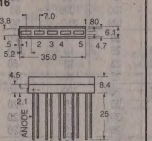


Fig. 17

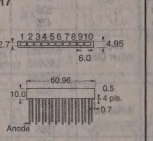


Fig. 18

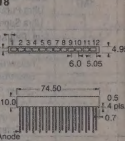


Fig. 19

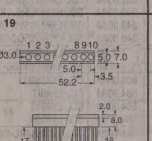


Fig. 20

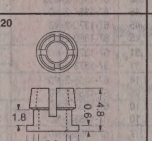


Fig. 21

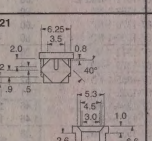


Fig. 22

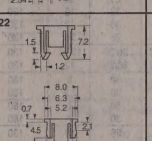


Fig. 23

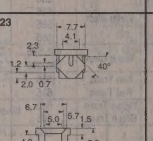


Fig. 24

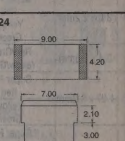


Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typical	If (mA) Maximum	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Price Each 1	10	50	Lumex Part No.
1	T-1 (3mm)	Red	Red Diffused	635	2.0	30	30	60	67-1190-ND	1.20	.96	.84	SSI-LXH312ID-150
		Green	Green Diffused	565	2.1	25	30	60	67-1191-ND	1.20	.96	.84	SSI-LXH312GD-150
2	T-1 (3mm)	Red	Red Diffused	635	2.0	30	30	60	67-1192-ND	.63	.50	.44	SSI-LXH312ID
3	T-1 (3mm)	Super Red	Red Diffused	660	1.8	30	70	60	67-1150-ND	1.25	1.00	.88	SSI-LXR1612SRD
		Red	Red Diffused	635	2.0	30	30	60	67-1147-ND	1.13	.90	.79	SSI-LXR1612ID
		Yellow	Yellow Diffused	585	2.1	30	30	60	67-1149-ND	1.13	.90	.79	SSI-LXR1612YD
		Green	Green Diffused	565	2.2	25	30	60	67-1148-ND	1.13	.90	.79	SSI-LXR1612GD
4	T-1 (3mm)	Super Red	Red Diffused	660	1.8	30	65	60	67-1154-ND	1.30	1.04	.91	SSI-LXR3612SRD
		Red	Red Diffused	635	2.0	30	30	60	67-1151-ND	1.18	.94	.83	SSI-LXR3612ID
		Yellow	Yellow Diffused	585	2.1	30	30	60	67-1153-ND	1.18	.94	.83	SSI-LXR3612YD
		Green	Green Diffused	565	2.2	25	30	60	67-1152-ND	1.18	.94	.83	SSI-LXR3612GD
5	T-1 3/4 (5mm)	Red/Green	White Diffused	700/565	2.0/2.2	25	6/25	60	67-1187-ND	1.88	1.50	1.32	SSI-LXH600IDGW-150
		Red	Red Diffused	635	2.0	30	40	60	67-1188-ND	1.15	.92	.81	SSI-LXH600ID-150
		Green	Green Diffused	565	2.2	25	30	60	67-1189-ND	1.15	.92	.81	SSI-LXH600GD-150
6	T-1 3/4 (5mm)	Super Red	Red Diffused	660	1.7	30	60	120	67-1158-ND	1.30	1.04	.91	SSI-LXH387SRD
		Red	Red Diffused	635	2.0	30	10	120	67-1155-ND	1.13	.90	.79	SSI-LXH387ID
		Yellow	Yellow Diffused	585	2.1	30	10	120	67-1157-ND	1.13	.90	.79	SSI-LXH387YD
		Green	Green Diffused	565	2.2	30	10	120	67-1156-ND	1.13	.90	.79	SSI-LXH387GD
7	T-1 (3mm)	Super Red	Red Diffused	660	1.7	30	100	60	67-1677-ND	2.44	1.96	1.71	SSI-RM3091SRD-150
		AlInGap Red	Red Diffused	636	2.0	30	100	60	67-1679-ND	2.60	2.08	1.82	SSI-RM3091SID-150
		Red	Red Diffused	635	2.0	30	30	60	67-1676-ND	2.16	1.73	1.52	SSI-RM3091ID-150
		Super Orange	Orange Diffused	610	2.0	30	100	60	67-1680-ND	2.49	1.99	1.75	SSI-RM3091SOD-150
		Super Yellow	Yellow Diffused	590	2.1	30	100	60	67-1682-ND	2.49	1.99	1.75	SSI-RM3091SYD-150
		Super Ultra Green	Green Diffused	574	2.2	25	50	60	67-1688-ND	2.75	2.20	1.93	SSI-RM3091SUGD-150
		Yellow	Yellow Diffused	585	2.1	30	20	60	67-1678-ND	2.16	1.73	1.52	SSI-RM3091YD-150
		Green	Green Diffused	565	2.2	25	20	60	67-1675-ND	2.16	1.73	1.52	SSI-RM3091GD-150
		Ultra Super Blue	Blue Diffused	470	3.5	30	60	60	67-1683-ND	4.55	3.64	3.19	SSI-RM3091USBD-150
8	T-1 3/4 (5mm)	Super Red	Red Diffused	660	1.7	30	80	60	67-1162-ND	1.38	1.10	.97	SSI-LXH9SRD-150
		Red	Red Diffused	635	2.0	30	40	60	67-1159-ND	1.23	.98	.86	SSI-LXH9ID/-150
		Yellow	Yellow Diffused	585	2.1	30	30	60	67-1161-ND	1.23	.98	.86	SSI-LXH9YD-150
		Green	Green Diffused	565	2.2	25	30	60	67-1160-ND	1.23	.98	.86	SSI-LXH9GD-150
9	T-1 3/4 (5mm)	Super Red	Red Diffused	660	1.8	30	300	60	67-1166-ND	1.25	1.00	.88	SSI-LXR4815SRD
		Red	Red Diffused	635	2	30	40	60	67-1163-ND	1.13	.90	.79	SSI-LXR4815ID
		Yellow	Yellow Diffused	585	2.1	30	20	60	67-1165-ND	1.13	.90	.79	SSI-LXR4815YD
		Green	Green Diffused	565	2.2	25	30	60	67-1164-ND	1.13	.90	.79	SSI-LXR4815GD
10	8mm	Super Red	Red Diffused	660	1.7	30	80	60	67-1170-ND	.85	.68	.60	SSI-LXH8080SRD
		Red	Red Diffused	635	2.0	30	40	60	67-1167-ND	.70	.56	.49	SSI-LXH8080ID
		Yellow	Yellow Diffused	585	2.1	30	30	60	67-1169-ND	.70	.56	.49	SSI-LXH8080YD
		Green	Green Diffused	565	2.2	25	30	60	67-1168-ND	.70	.56	.49	SSI-LXH8080GD
11	10mm	Super Red	Red Diffused	660	1.7	30	80	60	67-1174-ND	.98	.78	.69	SSI-LXH1090SRD
		Red	Red Diffused	635	2.0	30	40	60	67-1171-ND	.85	.68	.60	SSI-LXH1090ID
		Yellow	Yellow Diffused	585	2.1	30	30	60	67-1173-ND	.85	.68	.60	SSI-LXH1090YD
		Green	Green Diffused	565	2.2	25	30	60	67-1172-ND	.85	.68	.60	SSI-LXH1090GD
12	5mm	Super Red	Red Diffused	660	1.8	30	20	80	67-1176-ND	.80	.64	.56	SSI-LXH553SRD
		Red	Red Diffused	635	2.0	30	10	80	67-1175-ND	.65	.52	.46	SSI-LXH55ID
		Yellow	Yellow Diffused	585	2.1	30	10	80	67-1177-ND	.65	.52	.46	SSI-LXH55YD
		Green	Green Diffused	565	2.2	25	10	80	67-1176-ND	.65	.52	.46	SSI-LXH55GD
13	2 x 5mm	Super Red	Red Diffused	660	1.7	30	25	110	67-1182-ND	1.15	.92	.81	SSI-LXMP059SRD
		Red	Red Diffused	635	2.0	30	10	110	67-1179-ND	.95	.76	.67	SSI-LXMP059ID
		Yellow	Yellow Diffused	585	2.1	30	10	110	67-1181-ND	.95	.76	.67	SSI-LXMP059YD
		Green	Green Diffused	565	2.2	25	10	110	67-1180-ND	.95	.76	.67	SSI-LXMP059GD

(Continu

Panel Mount LEDs *(Cont.)*

Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typical	If (mA) Maximum	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Price Each 1	10	50	Lumex Part No.
14	2.3 x 7mm	Super Red	Red Diffused	660	1.7	30	50	110	67-1186-ND	1.00	.80	.70	SSI-LXH072SRD
		Red	Red Diffused	635	2.0	30	15	110	67-1183-ND	.85	.68	.60	SSI-LXH072ID
		Yellow	Yellow Diffused	585	2.1	30	9	110	67-1185-ND	.85	.68	.60	SSI-LXH072YD
		Green	Green Diffused	565	2.2	25	9	110	67-1184-ND	.85	.68	.60	SSI-LXH072GD
15	9 x 9mm	Super Red	Water Clear	660	1.8	30	60	60	67-1545-ND	1.65	1.32	1.16	SSI-LXMP5011SRC-150
		Red	Water Clear	635	2.0	30	20	60	67-1544-ND	1.50	1.20	1.05	SSI-LXMP5011IC-150
		Yellow	Water Clear	585	2.1	30	15	60	67-1546-ND	1.50	1.20	1.05	SSI-LXMP5011YC-150
		Green	Water Clear	565	2.2	25	15	60	67-1543-ND	1.50	1.20	1.05	SSI-LXMP5011GC-150
16	2 x 5mm	Super Red	Red Diffused	660	1.7	30	40	110	67-1204-ND	2.48	1.98	1.74	SSA-LXB525SRD
		Red	Red Diffused	635	2.0	30	12	110	67-1201-ND	1.53	1.22	1.07	SSA-LXB525ID
		Yellow	Yellow Diffused	585	2.1	30	10	110	67-1203-ND	1.60	1.28	1.12	SSA-LXB525YD
		Green	Green Diffused	565	2.0	25	10	110	67-1202-ND	1.53	1.22	1.07	SSA-LXB525GD
17	2.5 x 5mm	Super Red	Red Diffused	660	1.8	30	25	60	67-1208-ND	4.45	3.56	3.12	SSA-LXH1025SRD
		Red	Red Diffused	635	2.0	30	10	60	67-1205-ND	3.10	2.48	2.17	SSA-LXH1025ID
		Yellow	Yellow Diffused	585	2.1	30	10	60	67-1207-ND	3.48	2.78	2.44	SSA-LXH1025YD
		Green	Green Diffused	565	2.2	25	10	60	67-1206-ND	3.10	2.48	2.17	SSA-LXH1025GD
18	2.5 x 5mm	Super Red	Red Diffused	660	2.0	30	30	80	67-1212-ND	6.63	5.30	4.64	SSA-LXH1225SRD
		Red	Red Diffused	635	2.0	30	10	80	67-1209-ND	4.55	3.64	3.19	SSA-LXH1225ID
		Yellow	Yellow Diffused	585	2.1	30	10	80	67-1211-ND	4.78	3.82	3.35	SSA-LXH1225YD
		Green	Green Diffused	565	2.0	30	10	80	67-1210-ND	4.55	3.64	3.19	SSA-LXH1225GD
19	3mm	Super Red	Red Diffused	660	1.7	30	25	80	67-1216-ND	5.48	4.38	3.84	SSA-LXB102SRD
		Red	Red Diffused	635	2.0	30	8	80	67-1213-ND	3.73	2.98	2.61	SSA-LXB102ID
		Yellow	Yellow Diffused	585	2.1	30	8	80	67-1215-ND	3.48	2.78	2.44	SSA-LXB102YD
		Green	Green Diffused	565	2.1	25	8	80	67-1214-ND	3.73	2.98	2.61	SSA-LXB102GD

anel Mount LED Holders

Fig.	Description	Panel Hole	Digi-Key Part No.	Pricing 5	25	100	Lumex Part No.
20	T1 Black Nylon	.160" (4.06)	67-1330-ND	.60	2.25	7.50	SSH-LX3050
21	T1 Black Nylon	.225" (5.71)	67-1331-ND	.60	2.25	7.50	SSH-LXH301
22	T1-3/4 Black Nylon	.250" (6.35)	67-1332-ND	.40	1.50	5.00	SSH-LX509H
23	T1-3/4 Black Nylon	.330" (8.38)	67-1333-ND	.60	2.25	7.50	SSH-LXH501
24	Mounting Clip and Ring for T1-3/4	.250" (6.35)	67-1044-ND	.36	1.35	4.50	SSH-LX5090

Sunbrite

Poly LEDs Completely Encapsulated LED Clusters with Water Clear Lenses

Dim. in Inches (mm)

Fig. 1

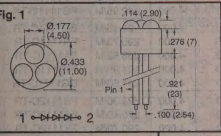


Fig. 2

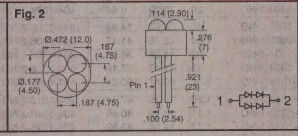


Fig. 3

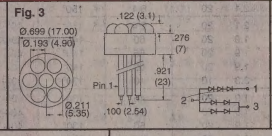


Fig. 4

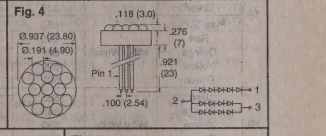


Fig. 5

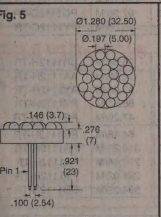


Fig. 6A

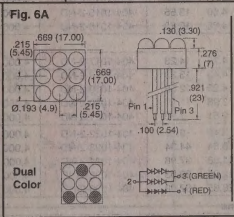


Fig. 6B

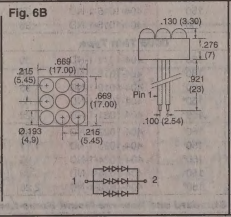


Fig. 7

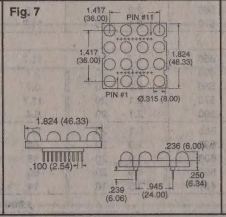


Fig. 8

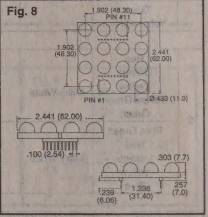


Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Iv (mcd)	Viewing Angle (2x Theta)	Digi-Key Part No.	Price Each 1	10	100	Sunbrite Part No.
1	11mm 3 (5mm)	Ultra Red	Water Clear	626	5.4	30	2,000	30°	441-1049-ND	2.55	2.13	1.70	SSP-LXC0436U3
		Super Yellow		590	6.3	30	1,200	30°	441-1046-ND	2.55	2.13	1.70	SSP-LXC0433S3
2	4 (5mm)	Super Green	Water Clear	565	4.4	25	300	30°	441-1050-ND	1.80	1.50	1.20	SSP-LXC0472S4
3	17mm 7 (5mm)	Super Red	Water Clear	660	5.4/3.6	30	2,000	30°	441-1058-ND	2.61	2.18	1.74	SSP-LXC0676S7A
		Ultra Red		626	5.4/3.6	30	2,000	30°	441-1059-ND	5.04	4.20	3.36	SSP-LXC0676U7A
		Super Yellow		590	6.3/4.2	30	1,200	30°	441-1056-ND	5.04	4.20	3.36	SSP-LXC0673S7A
		Super Green		565	6.6/4.4	25	300	30°	441-1055-ND	2.52	2.10	1.68	SSP-LXC0672S7A
4	23.80mm 13 (5mm)	Super Yellow	Water Clear	590	10.5/8.4	30	1,200	30°	441-1061-ND	7.63	6.10	5.34	SSP-LXC0943S13A
5	32.50mm 24 (5mm)	Super Red	Water Clear	660	10.8	30	2,000	30°	441-1067-ND	8.28	6.90	5.52	SSP-LXC128624
		Ultra Red		626	10.8	30	2,000	30°	441-1068-ND	13.83	11.06	9.68	SSP-LXC1286U24
		Super Yellow		590	12.6	30	1,200	30°	441-1066-ND	13.83	11.06	9.68	SSP-LXC1283S24
		Super Green		565	13.2	25	300	30°	441-1065-ND	7.83	6.53	5.22	SSP-LXC1282S24
6A	17mm Sq. 9 (5mm)	Sup. Red/Sup. Green	Water Clear	660/565	5.4/6.6	30/25	2,000/300	45°	441-1071-ND	2.55	2.13	1.70	SSP-LXS0676S9A
6B	9 (5mm)	Super Yellow	Water Clear	590	6.3	30	900	45°	441-1070-ND	6.39	5.33	4.26	SSP-LXS0673S9
7	46.33mm Sq. 16 (8mm)	Super Yellow	Water Clear	590	2.1	30	1,200	30°	441-1075-ND	9.35	7.48	6.55	SSP-LXS1823S16A
8	62mm Sq. 16 (11mm)	Super Yellow	Water Clear	590	2.1	30	1,200	30°	441-1079-ND	11.50	9.20	8.05	SSP-LXS2443S16A
		Super Green		565	2.2	25	300	30°	441-1078-ND	8.00	6.40	5.60	SSP-LXS2442S16A

Surface Mount LEDs

Fig. 1 — 0603 Ultra Compact

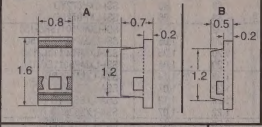


Fig. 2 — 0805 Thin Type

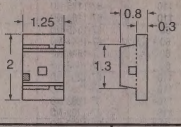


Fig. 3 — 1206 Standard and Reverse Mount Dome Lens

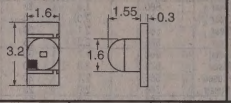


Fig. 4 — 1206 Standard Flat Lens

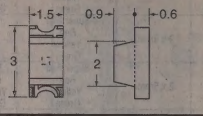


Fig. 5 — 1206 Standard Inner Lens

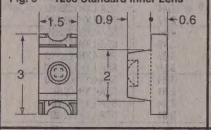


Fig. 6 — 1206 Reverse Mount

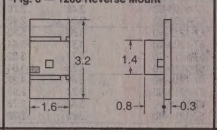


Fig. 7 — Right Angle SMT LED

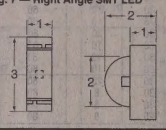


Fig. 8 — Right Angle SMT LED

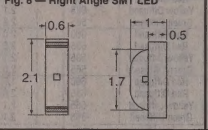


Fig. 9 — 1210 Bi-Color Standard Fl Lens Type SMT LED

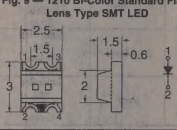


Fig. 10 — 1210 Bi-Color Two Inner Lens Type SMT LED

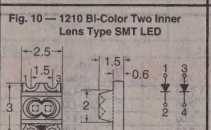


Fig. 11 — Bi-Color Ultra Compact SMT LED

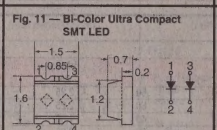


Fig. 12 — Bi-Color Right Angle SMT LED

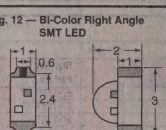


Fig. 13 — Low Profile

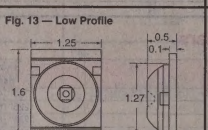


Fig. 14 — 3.2 x 2.8 Flat Lens

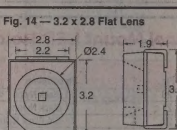


Fig.	Source Color	Lens	Wavelength λpk (nm)	Forward Voltage TYP @ mA	Iv (mcd)	Viewing Angle	Digi-Key Part No.	Cut Tape Pricing 1	25	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Stanley Part No.
							0603 Ultra Compact							
1A	Red	Milky White	660	1.7 20	11.7	140°	404-1000-1-ND	.26	2.98	8.66	404-1000-2-ND	4,000	56.02/M	BR1111C-TR
	Orange		605	2.2 20	3.4	150°	404-1001-1-ND	.37	4.50	13.55	404-1001-2-ND	4,000	97.98/M	AA1111C-TR
	Yellow		580	2.2 20	3.4	150°	404-1002-1-ND	.22	2.43	7.12	404-1002-2-ND	4,000	48.12/M	AY1111C-TR
	Yellow-Green		570	2.1 20	11.7	150°	404-1003-1-ND	.20	2.31	6.72	404-1003-2-ND	4,000	43.44/M	PY1111C-TR
	Green		560	2.1 20	6.4	150°	404-1004-1-ND	.20	2.29	6.64	404-1004-2-ND	4,000	42.95/M	PG1111C-TR
	Pure Green		555	2.1 20	2.4	150°	404-1005-1-ND	.40	4.88	14.68	404-1005-2-ND	4,000	99.45/M	BG1111C-TR
	Red		635	1.9 20	50	140°	404-1006-1-ND	1.04	12.75	41.47	404-1006-2-ND	4,000	295.73/M	FR1111C-TR
	Orange	Milky White	609	1.9 20	65	140°	404-1007-1-ND	.92	11.36	36.95	404-1007-2-ND	4,000	263.52/M	FA1111C-TR
	Yellow		590	1.9 20	65	140°	404-1008-1-ND	.93	11.43	37.16	404-1008-2-ND	4,000	264.99/M	FY1111C-TR
	Green		522	3.3 10	40	130°	404-1009-1-ND	3.35	49.47	166.64	404-1009-2-ND	4,000	1291.50/M	DG1111C-TR
1B	Red	Milky White	635	1.9 20	45	130°	404-1012-1-ND	1.29	15.75	47.44	404-1012-2-ND	4,000	321.30/M	FR1112C-TR
	Orange		609	1.9 20	50	130°	404-1013-1-ND	1.11	13.50	40.66	404-1013-2-ND	4,000	275.40/M	FA1112C-TR
	Yellow		590	1.9 20	50	130°	404-1014-1-ND	1.17	14.25	42.92	404-1014-2-ND	4,000	290.70/M	FY1112C-TR
	Green		560	2.2 20	7.6	150°	404-1015-1-ND	.37	4.50	13.55	404-1015-2-ND	4,000	97.98/M	PG1112C-TR
	Yellow-Green		570	2.1 20	11.7	150°	404-1016-1-ND	.35	4.28	12.88	404-1016-2-ND	4,000	93.08/M	PY1112C-TR
							0805 Thin Type							
2	Red	Milky White	660	1.7 20	11.7	150°	404-1017-1-ND	.39	4.73	14.23	404-1017-2-ND	4,000	96.39/M	BR1112H-TR
	Orange		605	2.2 20	3.7	160°	404-1018-1-ND	.36	4.43	13.33	404-1018-2-ND	4,000	96.35/M	AA1112H-TR
	Yellow		580	2.2 20	3.7	160°	404-1019-1-ND	.35	4.28	12.88	404-1019-2-ND	4,000	93.08/M	AY1112H-TR
	Yellow-Green		570	2.1 20	11.7	160°	404-1020-1-ND	.33	3.98	11.97	404-1020-2-ND	4,000	86.55/M	PY1112H-TR
	Green		560	2.1 20	6.4	160°	404-1021-1-ND	.22	2.51	7.30	404-1021-2-ND	4,000	47.20/M	PG1112H-TR
	Pure Green		555	2.1 20	2.7	160°	404-1022-1-ND	.29	3.42	9.92	404-1022-2-ND	4,000	64.18/M	BG1112H-TR
	Red		635	1.9 20	50	150°	404-1023-1-ND	1.11	13.64	44.34	404-1023-2-ND	4,000	316.23/M	FR1112H-TR
	Orange	Milky White	609	1.9 20	65	150°	404-1024-1-ND	.95	11.68	37.98	404-1024-2-ND	4,000	270.84/M	FA1112H-TR
	Yellow		592	1.9 20	65	150°	404-1025-1-ND	1.00	12.25	39.83	404-1025-2-ND	4,000	284.02/M	FY1112H-TR
	Blue		467	3.3 10	14	150°	404-1028-1-ND	2.26	28.35	102.03	404-1028-2-ND	4,000	594.32/M	DB1112H-TR
							1206 Standard and Reverse Mount Dome Lens							
3	Red	Water Clear	660	1.8 20	150	30°	404-1032-1-ND	.44	5.36	16.15	404-1032-2-ND	2,000	116.76/M	HKR1105W-TR
	Red		660	1.7 20	50	50°	404-1033-1-ND	.43	5.25	15.81	404-1033-2-ND	2,000	114.31/M	HBR1105W-TR
	Orange		605	2.2 20	20	40°	404-1034-1-ND	.55	6.75	20.33	404-1034-2-ND	2,000	146.97/M	HAA1105W-TR
	Yellow		580	2.2 20	20	40°	404-1035-1-ND	.31	3.80	11.45	404-1035-2-ND	2,000	82.80/M	HAY1105W-TR
	Yellow-Green		570	2.1 20	50	40°	404-1036-1-ND	.38	4.65	14.01	404-1036-2-ND	2,000	101.25/M	HPY1105W-TR
	Green		560	2.1 20	30	40°	404-1037-1-ND	.32	3.75	10.88	404-1037-2-ND	2,000	74.52/M	HPG1105W-TR
	Pure Green		555	2.1 20	12	40°	404-1038-1-ND	.47	5.78	17.39	404-1038-2-ND	2,000	125.74/M	HBG1105W-TR
	Red	Water Clear	635	1.9 20	180	50°	404-1029-1-ND	.46	5.61	16.90	404-1029-2-ND	2,000	122.15/M	FR1105W-TR
	Orange		609	1.9 20	200	50°	404-1030-1-ND	.85	10.42	33.87	404-1030-2-ND	2,000	252.45/M	FA1105W-TR
	Yellow		592	1.9 20	180	50°	404-1031-1-ND	.44	5.42	16.33	404-1031-2-ND	2,000	118.07/M	FY1105W-TR
	Green		522	3.3 10	140	40°	404-1039-1-ND	2.01	26.66	94.27	404-1039-2-ND	2,000	845.17/M	HDG1105W-TR
	Bluish-Green		502	3.3 10	140	40°	404-1040-1-ND	2.01	26.66	94.27	404-1040-2-ND	2,000	845.17/M	HDC1105W-TR
	Blue		467	3.3 10	70	40°	404-1041-1-ND	1.88	24.89	88.04	404-1041-2-ND	2,000	789.24/M	HDB1105W-TR
							1206 Standard Flat Lens							
4	Red	Water Clear	660	1.7 20	12.8	150°	404-1042-1-ND	.29	3.38	9.82	404-1042-2-ND	2,500	67.26/M	BR1101W-TR
	Orange		605	2.2 20	5.6		404-1043-1-ND	.44	5.33	16.04	404-1043-2-ND	2,500	115.95/M	AA1101W-TR
	Yellow		580	2.2 20	4.0		404-1044-1-ND	.40	4.88	14.68	404-1044-2-ND	2,500	106.15/M	AY1101W-TR
	Yellow-Green		570	2.1 20	8.0		404-1045-1-ND	.38	4.65	14.01	404-1045-2-ND	2,500	101.25/M	PY1101W-TR
	Green		560	2.1 20	4.8		404-1046-1-ND	.27	3.20	9.29	404-1046-2-ND	2,500	63.63/M	PG1101W-TR
	Pure Green		555	2.1 20	2.0		404-1047-1-ND	.30	3.53	10.25	404-1047-2-ND	2,500	66.30/M	BG1101W-TR
							1206 Standard Inner Lens							
5	Red	Water Clear	660	1.7 20	33.6	70°	404-1048-1-ND	.43	5.25	15.81	404-1048-2-ND	2,500	114.32/M	BR1102W-TR
	Orange		605	2.2 20	10.0		404-1049-1-ND	.44	5.33	16.04	404-1049-2-ND	2,500	115.95/M	AA1102W-TR
	Yellow		580	2.2 20	8.4		404-1050-1-ND	.40	4.88	14.68	404-1050-2-ND	2,500	106.15/M	AY1102W-TR
	Yellow-Green		570	2.1 20	124.0		404-1051-1-ND	.38	4.65	14.01	404-1051-2-ND	2,500	101.25/M	PY1102W-TR
	Green		560	2.1 20	12.0		404-1052-1-ND	.27	3.20	9.29	404-1052-2-ND	2,500	63.63/M	PG1102W-TR
	Pure Green		555	2.1 20	4.8		404-1053-1-ND	.47	5.70	17.17	404-1053-2-ND	2,500	124.11/M	BG1102W-TR

*Reversed Polarity

(Contin

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Source Color	Lens	Wavelength λpk (nm)	Forward Voltage TYP @ mA	Iv (mcd)	Viewing Angle	Digi-Key Part No.	Cut Tape Pricing 1	25	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Stanley Part No.
1206 Reverse Mount													
Red	Milky	660	1.7 20	12.7	140°	404-1054-1-ND*	.42	5.10	15.36	404-1054-2-ND	3,000	111.05/M	BR1111R-TR
Yellow	White	580	2.2 20	3.7	150°	404-1056-1-ND	.40	4.88	14.68	404-1056-2-ND	3,000	106.15/M	AY1111R-TR
Green		560	2.1 20	6.9	150°	404-1058-1-ND	.27	3.17	9.19	404-1058-2-ND	3,000	59.44/M	PG1111R-TR
Pure Green		555	2.1 20	2.7	150°	404-1059-1-ND	.41	5.03	15.14	404-1059-2-ND	3,000	109.41/M	BG1111R-TR
Right Angle SMT LED													
Red	Water Clear	635	1.9 20	50	140°	404-1060-1-ND	1.08	13.50	48.58	404-1060-2-ND	3,000	385.04/M	FR1101F-TR
Orange		609	1.9 20	65	140°	404-1061-1-ND	.48	5.83	17.55	404-1061-2-ND	3,000	126.89/M	FA1101F-TR
Yellow		592	1.9 20	65	140°	404-1062-1-ND	1.18	14.52	47.22	404-1062-2-ND	3,000	336.72/M	FY1101F-TR
Red	Water Clear	660	1.7 20	12.4	170°	404-1063-1-ND	.36	4.25	12.35	404-1063-2-ND	3,000	79.86/M	BR1101F-TR
Yellow		580	2.2 20	3.0	150°	404-1065-1-ND	.33	3.82	11.08	404-1065-2-ND	3,000	71.69/M	AY1101F-TR
Yellow-Green		570	2.1 20	8.8	150°	404-1066-1-ND	.41	5.03	15.14	404-1066-2-ND	3,000	109.41/M	PY1101F-TR
Green		560	2.1 20	5.2	150°	404-1067-1-ND	.30	3.53	10.25	404-1067-2-ND	3,000	66.30/M	PG1101F-TR
Pure Green		555	2.1 20	2.4	150°	404-1068-1-ND	.44	5.33	16.04	404-1068-2-ND	3,000	115.95/M	BG1101F-TR
Right Angle SMT LED													
Red	Milky White	660	1.7 20	11.7	130°	404-1069-1-ND	.34	4.13	12.42	404-1069-2-ND	4,000	89.82/M	BR1113F-TR
Yellow-Green		570	2.1 20	11.7	150°	404-1070-1-ND	.35	4.28	12.88	404-1070-2-ND	4,000	93.08/M	PY1113F-TR
Green		560	2.1 20	6.4	150°	404-1071-1-ND	.37	4.50	13.55	404-1071-2-ND	4,000	97.98/M	PG1113F-TR
Red	Milky White	635	1.9 20	50	130°	404-1072-1-ND	.66	8.08	26.28	404-1072-2-ND	4,000	187.40/M	FR1113F-TR
Orange		609	1.9 20	65	130°	404-1073-1-ND	.78	9.53	31.00	404-1073-2-ND	4,000	221.07/M	FA1113F-TR
Yellow		592	1.9 20	65	130°	404-1074-1-ND	.70	8.59	27.92	404-1074-2-ND	4,000	199.11/M	FY1113F-TR
Green		522	3.3 10	40	130°	404-1075-1-ND	1.79	27.50	97.25	404-1075-2-ND	4,000	797.97/M	DG1113F-TR
Bluish-Green		502	3.3 10	34	130°	404-1076-1-ND	2.06	27.34	96.71	404-1076-2-ND	4,000	793.55/M	DC1113F-TR
Blue		467	3.3 10	14	130°	404-1077-1-ND	1.92	28.35	95.51	404-1077-2-ND	4,000	740.22/M	DB1113F-TR
1210 Bi-Color Standard Flat Lens Type SMT LED													
Red/Yellow-Green	Water Clear	660/570	1.7/2.1 20/20	12.8/8	160°/160°	404-1078-1-ND	.62	7.58	24.64	404-1078-2-ND	2,500	183.60/M	BRPY1201W-TR
Red/Green		660/560	1.7/2.1 20/20	12.8/4.8		404-1079-1-ND	.46	5.62	16.92	404-1079-2-ND	2,500	122.32/M	BRPG1201W-TR
Red/Pure Green		660/555	1.7/2.1 20/20	12.8/2		404-1080-1-ND	.38	5.10	18.55	—	—	—	BRBG1201W-TR
1210 Bi-Color Two Inner Lens SMT LED													
Red/Green	Water Clear	660/560	1.7/2.1 20/20	33.6/12	100°/80°	404-1082-1-ND	.62	7.58	24.64	404-1082-2-ND	2,500	183.60/M	BRPG1204W-TR
Orange/Yellow-Green		605/570	2.2/2.1 20/20	9/12	80°/80°	404-1084-1-ND	.62	8.25	30.00	404-1084-2-ND	2,500	183.60/M	AAPY1204W-TR
Bi-Color Ultra Compact SMT LED													
Red/Yellow-Green	Milky White	660/570	1.7/2.1 20/20	11.7/11.7	170°/150°	404-1085-1-ND	.37	4.36	13.32	404-1085-2-ND	4,000	94.93/M	BRPY1211C-TR
Red/Green		660/560	1.7/2.1 20/20	11.7/6.4		404-1086-1-ND	.41	5.04	15.18	404-1086-2-ND	4,000	102.82/M	BRPG1211C-TR
Red/Pure Green		660/555	1.7/2.1 20/20	11.7/2.4		404-1087-1-ND	.48	5.75	17.55	404-1087-2-ND	4,000	102.82/M	BRBG1211C-TR
Bi-Color Right Angle SMT LED													
Yellow-Green	Milky White	580/560	2.2/2.1 20/20	3.0/5.2	150°	404-1088-1-ND	.41	4.98	15.00	404-1088-2-ND	3,000	108.43/M	AYPG1211F-TR
Red/Yellow-Green		660/570	1.7/2.1 20/20	17.6/8.8		404-1089-1-ND	.43	5.24	15.77	404-1089-2-ND	3,000	113.99/M	BRPY1211F-TR
1.6 x 1.25 Low Profile													
Yellow	Water Clear	570	2.1 10	8.0	180°	404-1163-1-ND	.36	4.43	13.33	404-1163-2-ND	4,000	96.35/M	PY1105CK-TR
3.2 x 2.8 Flat Lens													
Red	Water Clear	645	2.0 20	70	120°	404-1161-1-ND	.95	11.34	36.30	404-1161-2-ND	2,000	268.95/M	FR1104B-TR
Yellow		588	2.0 20	70	120°	404-1160-1-ND	.49	5.91	18.92	404-1160-2-ND	2,000	123.15/M	FY1104B-TR

*versed Polarity

Through-Hole LEDs

Fig. 1

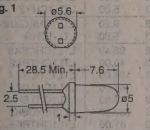


Fig. 2

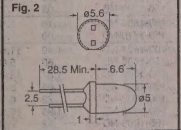


Fig. 3

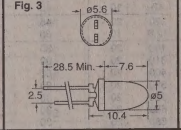


Fig. 4

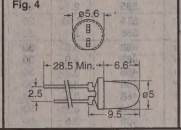


Fig. 5

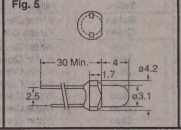
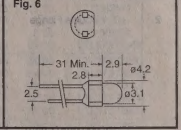


Fig. 6



Description	Source Color	Lens	Wavelength λpk (nm)	Forward Voltage TYP @ mA	Iv (mcd)	Viewing Angle	Digi-Key Part No.	Price Each 1	25	100	Stanley Part No.
5mm	Red	Clear Pastel Red	635	1.9 20	3600	10°	404-1090-ND	.77	.38	.31	EFR5366X
	Orange	Clear Pastel Orange	609	1.9 20	5000	10°	404-1091-ND	.77	.38	.31	EFA5366X
	Yellow	Clear Pastel Yellow	592	1.9 20	4000	10°	404-1092-ND	.82	.41	.33	EFY5366X
5mm	Red	Clear Pastel Red	635	1.9 20	880	45°	404-1096-ND	.82	.41	.33	EFR5365S
	Orange	Clear Pastel Orange	609	1.9 20	1160	45°	404-1097-ND	.82	.41	.33	EFA5365S
	Yellow	Clear Pastel Yellow	592	1.9 20	1000	45°	404-1098-ND	.82	.41	.33	EFY5365S
	Blue Green	Water Clear	502	3.5 20	800	30°	404-1100-ND	2.06	1.22	1.03	DC5305S
	Blue	Water Clear	467	3.5 20	240	30°	404-1101-ND	1.93	1.14	.96	DB5305S
	White	Water Clear	—	3.7 20	2000	35°	404-1162-ND	1.53	.79	.72	UW5805S
5mm	Red	Water Clear	660	1.8 20	1000	10°	404-1102-ND	1.28	.71	.58	H-1000L
					2000	10°	404-1103-ND	1.89	.95	.86	H-2000L
					3000	10°	404-1104-ND	2.42	1.43	1.21	H-3000L
5mm	Red	Water Clear	660	1.8 20	300	25°	404-1105-ND	.89	.44	.36	KR5005S
3mm Flush Mount	Red	Clear Pastel Red	635	1.9 20	1280	20°	404-1106-ND	.83	.41	.34	EFR3863X
	Orange	Clear Pastel Orange	609	1.9 20	1600	20°	404-1107-ND	.93	.46	.38	EFA3863X
	Yellow	Clear Pastel Yellow	592	1.9 20	1440	20°	404-1108-ND	.82	.41	.33	EFY3863X
	Green	Water Clear	522	3.5 20	1200	20°	404-1109-ND	2.04	1.21	1.02	DG3803X
	Blue Green	Water Clear	502	3.5 20	1200	20°	404-1110-ND	2.04	1.21	1.02	DC3803X
	Blue	Water Clear	467	3.5 20	500	20°	404-1111-ND	1.90	1.13	.95	DB3803X
3mm Flush Mount	Red	Clear Pastel Red	635	1.9 20	440	70°	404-1112-ND	.83	.41	.34	EFR3864X
	Orange	Clear Pastel Orange	609	1.9 20	560	70°	404-1113-ND	.93	.46	.38	EFA3864X
	Yellow	Clear Pastel Yellow	592	1.9 20	500	70°	404-1114-ND	.77	.38	.31	EFY3864X
	Blue Green	Water Clear	502	3.5 20	480	50°	404-1116-ND	2.04	1.21	1.02	DC3804X
	White	Water Clear	—	3.7 20	2000	40°	404-1164-ND	2.18	1.25	1.11	UW3804X

Dim.

Fig. 1

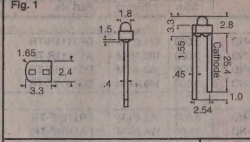


Fig. 2

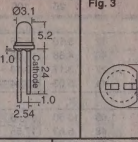


Fig. 3

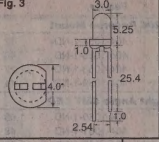


Fig. 4

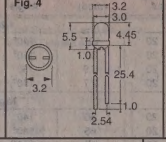


Fig. 5

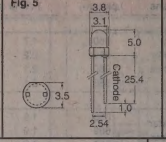


Fig. 6

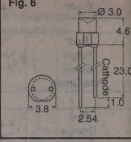


Fig. 7

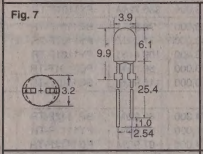


Fig. 8

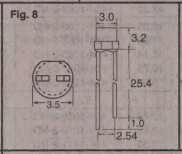


Fig. 9

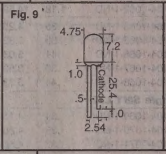


Fig. 10

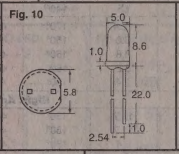


Fig. 11

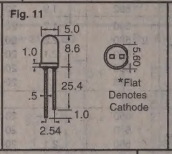


Fig. 12

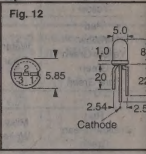


Fig. 13

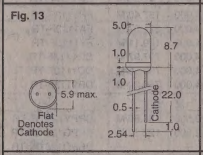


Fig. 14

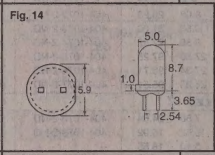


Fig. 15

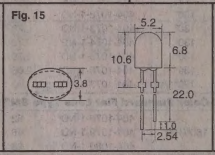


Fig. 16

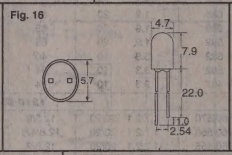


Fig. 17

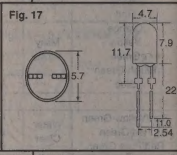


Fig. 18

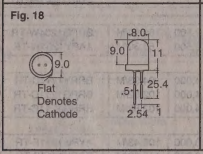


Fig. 19

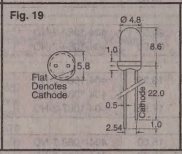
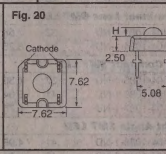


Fig. 20



Part No.	H
LTL911xxx	1.50
LTL912xxx	1.90
LTL914xxx	1.90

Fig. 21

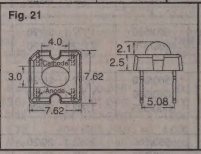


Fig. 22

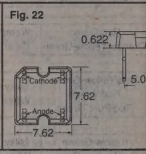


Fig.	Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf Typ. (V)	If Max. (mA)	Iv Typ. (mcd) @ (mA)		Viewing Angle (2x Theta)	Digi-Key Part No.	Pricing 1	10	100	Lite-On Part No.
1	1.8mm Dot Point	Hi. Eff. Red	Red Diff.	635	2.0	30	12.6	10	38	160-1084-ND	.17	1.38	11.00	LTL-709E
		Yellow	Yellow Diff.	585	2.1	20	12.6	10	38	160-1085-ND	.17	1.38	11.00	LTL-709Y
		STD. Green	Green Diff.	560	2.1	30	8.7	10	38	160-1086-ND	.24	2.00	16.00	LTL-709L
2	T-1 Double Flange	Super Red	Red Diff.	639	2.0	30	90	20	60	160-1660-ND	.11	.93	7.40	LTL1CHKR
		Super Red	Water Clear	639	2.0	30	250	20	45	160-1661-ND	.13	1.08	8.60	LTL1CHKRKN
		Hi. Eff. Red *	Red Diff.	635	2.0	30	12.6	10	60	160-1708-ND	.09	.73	5.80	LTL-1CHE
		Hi. Eff. Red	Red Trans.	635	2.0	30	19	10	45	160-1704-ND	.09	.73	5.80	LTL-1CHEE
		Amber-Yellow	Water Clear	595	2.05	30	320	20	45	160-1664-ND	.13	1.08	8.60	LTL1CHKYKN
		Amber-Yellow	Water Clear	595	2.05	30	339	20	45	160-1663-ND	.13	1.08	8.60	LTL1CHKYK
		Yellow	Water Clear	588	2.05	30	320	20	45	160-1662-ND	.13	1.08	8.60	LTL1CHKSKN
		Yellow	Yellow Trans.	585	2.1	20	40	10	45	160-1709-ND	.09	.73	5.80	LTL-1CHYE
		Green	Water Clear	575	2.05	30	320	20	45	160-1659-ND	.14	1.15	9.20	LTL1CHKGKN
		Green	Green Diff.	565	2.1	30	12.6	10	60	160-1710-ND	.09	.73	5.80	LTL-1CHG
		Blue	Water Clear	468	3.5	30	180	20	35	160-1604-ND	1.40	11.68	93.40	LTL1CHCBK3
		Blue	Water Clear	468	4.0	30	310	20	30	160-1600-ND	.60	5.00	40.00	LTL1CHTBK2
		Blue	Water Clear	468	3.7	30	400	20	30	160-1605-ND	1.57	13.08	104.60	LTL1CHCBK4
		Blue	Water Clear	468	3.5	30	520	20	30	160-1601-ND	.65	5.45	43.60	LTL1CHTBK3
		Blue	Water Clear	468	3.5	30	680	20	30	160-1602-ND	.73	6.10	48.80	LTL1CHTBK4
		Blue	Water Clear	468	3.7	30	680	20	30	160-1606-ND	1.96	16.33	130.60	LTL1CHCBK5
		Blue	Water Clear	468	3.5	30	880	20	30	160-1603-ND	.92	7.63	61.00	LTL1CHTBK5
3	T-1	Red	Water Clear	632	2.05	30	880	20	22	160-1665-ND	.12	1.00	8.00	LTL42EKEKNN
		Green	Green Diff.	565	2.1	30	12.6	10	40	160-1712-ND	.09	.73	5.80	LTL-4231
		White	Water Clear	—	3.7	30	2600	20	25	160-1718-ND	1.39	11.55	92.40	LTL42CW65A7
		White	Water Clear	—	3.6	100	2600	30	25	160-1727-5-ND	1.14	9.50	76.00	LTW-420C5
4	T-1 Ultrabright	Red	Red Diff.	660	1.8	40	60	20	60	160-1035-ND	.20	1.68	13.40	LTL-4261N
		Red	Water Clear	660	1.8	40	170	20	45	160-1034-ND	.19	1.55	12.40	LTL-4266N
	T-1	Super Red	Water Clear	639	2.0	30	180	20	56	160-1668-ND	.13	1.08	8.60	LTL42NKRKN
		Hi. Eff. Red	Red Trans.	635	2.0	30	29	10	45	160-1140-ND	.19	1.45	10.15	LTL-4222N
		Hi. Eff. Red	Red Diff.	635	2.0	30	8.7	10	60	160-1139-ND	.19	1.45	10.15	LTL-4221N
		Red	Water Clear	632	2.05	30	250	20	56	160-1667-ND	.13	1.08	8.60	LTL42KE6N
		Red-Orange	Water Clear	630	2.0	30	60	10	45	160-1141-ND	.19	1.45	10.15	LTL-4296N
	T-1 Bi-Color	Red-Orange/Green	White Diff.	630/565	2.0/2.1	30/30	4.8/4.8	20	200	160-1058-ND	.35	2.93	23.40	LTL-14CHJ
	T-1	Yellow	Yellow Trans.	585	2.1	20	19	10	45	160-1146-ND	.19	1.45	10.15	LTL-4252N
		Yellow	Water Clear	585	2.1	20	40	10	45	160-1147-ND	.19	1.45	10.15	LTL-4256N
		Yellow	Yellow Diff.	585	2.1	20	5.6	10	60	160-1145-ND	.19	1.45	10.15	LTL-4251N
		Green	Green Trans.	565	2.1	30	40	10	45	160-1143-ND	.19	1.45	10.15	LTL-4232N
		Green	Water Clear	565	2.1	30	40	10	45	160-1144-ND	.19	1.45	10.15	LTL-4236N
		Green	Green Diff.	565	2.1	30	12.6	10	60	160-1142-ND	.19	1.45	10.15	LTL-4231N
		White	Water Clear	—	3.5	100	1100	30	45	160-1734-5-ND	1.16	9.63	77.00	LTW-42NC5
5	3.8mm	White	Water Clear	—	3.5	100	520	30	90	160-1730-5-ND	1.16	9.63	77.00	LTW-1KHC5
6	T-1 - Flat Top	White	Water Clear	—	3.5	100	85	30	130	160-1736-5-ND	1.16	9.63	77.00	LTW-815C4
7	Oval - No Flange	Yellow	Yellow Diff.	594	2.35	50	680	20	110 Hort./50 Vert.	160-1616-ND	.43	3.55	28.40	LTL3HMSSS
8	T-1 - Flat Top	Amber-Yellow	Amber Trans.	598	2.05	30	60	20	120	160-1699-ND	.20	1.68	13.40	LTL77HKYE1
		White	Water Clear	—	3.5	100	140	30	140	160-1735-5-ND	1.16	9.63	77.00	LTW-77HC4
9	T-1 3/4 No Flange	Hi. Eff. Red	Red Diff.	635	2.0	30	60	10	60	160-1087-ND	—	.73	5.80	LTL-10223W
		Yellow	Yellow Diff.	585	2.1	20	12.6	10	60	160-1088-ND	—	.73	5.80	LTL-10253W
		Green	Green Diff.	565	2.1	30	40	10	60	160-1089-ND	—	.73	5.80	LTL-10233W
	T-1 3/4	White	Water Clear	—	3.5	100	6000	30	20	160-1729-5-ND	1.16	9.63	77.00	LTW-102C4
10	T-1 3/4 - Tapered	Super Red	Water Clear	639	1.9	50	4200	20	12	160-1698-ND	.24	2.03	16.20	LTL353QRKN
		Green	Water Clear	525	3.5	30	6000	20	8	160-1717-ND	.92	7.70	61.60	LTL-353TGK

(Cont

Description	Emitted Color	Lens	Peak Wavelength (nm)	Vf Typ. (V)	If Max. (mA)	Iv Typ. (mcd) @ (mA)		Viewing Angle (2x Theta)	Digi-Key Part No.	Pricing 1	10	100	Lite-On Part No.
T-1 3/4 - Tapered	Blue	Water Clear	468	3.5	30	1900	20	8	160-1716-ND	.92	7.70	61.60	LTL-353TBK
T-1 3/4	White	Water Clear	—	3.5	100	2600	30	30	160-1733-5-ND	1.16	9.63	77.00	LTW-2V3C5
T-1 3/4 Bi-Color	Red-Orange/Green	White Diff.	565/630	2.1/2.0	30/30	19/19	20	50	160-1037-ND	.35	2.93	23.40	LTL-298WJ
T-1 3/4 Ultrabright Bi-Color	Red/Green	White Diff.	660/565	1.8/2.1	40/30	90/40	20	60	160-1038-ND	.37	3.05	24.40	LTL-293SJW
T-1 3/4	Red	Red Diff.	697	2.1	15	3.7	10	36	160-1713-ND	.09	.73	5.80	LTL-4213
	Hi. Eff. Red	Red Trans.	635	2.0	30	90	10	16	160-1128-ND	.19	1.45	10.15	LTL-4224
	Hi. Eff. Red	Red Diff.	635	2.0	30	19	10	36	160-1127-ND	.19	1.45	10.15	LTL-4223
	Yellow	Yellow Trans.	585	2.1	20	90	10	16	160-1134-ND	.19	1.45	10.15	LTL-4254
	Yellow	Yellow Diff.	585	2.1	20	19	10	36	160-1133-ND	.19	1.45	10.15	LTL-4253
	Green	Green Trans.	565	2.1	30	60	10	16	160-1131-ND	.14	1.10	7.70	LTL-4234
	Green	Water Clear	565	2.1	30	90	10	16	160-1132-ND	.19	1.45	10.15	LTL-4238
	Green	Green Diff.	565	2.1	30	19	10	36	160-1130-ND	.19	1.45	10.15	LTL-4233
	White	Water Clear	—	3.7	30	4800	20	20	160-1719-ND	1.39	11.55	92.40	LTL33BCWK5AT
	Red/Green	White Diff.	697/565	2.1	15/30	5.6/19	10	30	160-1715-ND	.35	2.93	23.40	LTL-30EFJ
T-1 3/4 Ultrabright Bi-Color	Red-Orange/Green	White Diff.	630/565	2.0/2.1	30/30	40/29	20	30	160-1057-ND	.35	2.93	23.40	LTL-30EHJ
	Yellow/Green	White Diff.	585/565	2.1	20/30	29/29	20	30	160-1714-ND	.35	2.93	23.40	LTL-30EDJ
	Super Red	Water Clear	639	1.9	50	2400	20	15	160-1674-ND	.35	2.88	23.00	LTL2H3VRKNT
	Super Red	Water Clear	639	2.0	30	800	20	22	160-1678-ND	.13	1.08	8.60	LTL2P3KRK
	Super Red	Water Clear	639	2.0	30	500	20	30	160-1685-ND	.13	1.08	8.60	LTL2R3KRK
	Super Red	Water Clear	639	1.9	50	500	20	30	160-1689-ND	.32	2.70	21.60	LTL2R3QRK
	Super Red	Water Clear	639	1.9	50	990	20	30	160-1498-ND	.43	3.60	28.80	LTL-2R3VRKNT
	Super Red	Water Clear	639	2.2	50	3200	20	30	160-1658-ND	.41	3.45	27.60	LTL2R3SRKNE
	Hi-Eff. Red	Red Diff.	635	2.0	30	19	10	50	160-1705-ND	.09	.73	5.80	LTL-307E
	Hi-Eff. Red	Red Trans.	635	2.0	30	90	10	40	160-1701-ND	.09	.73	5.80	LTL-307EE
	Red	Red Diff.	697	2.1	15	5.6	10	50	160-1707-ND	.09	.73	5.80	LTL-307P
	Red	Water Clear	639	2.0	50	6350	20	15	160-1652-ND	.41	3.45	27.60	LTL2H3SEK
	Red	Water Clear	639	2.0	50	4800	20	22	160-1654-ND	.41	3.45	27.60	LTL2P3SEK
	Red	Water Clear	639	2.0	50	3700	20	30	160-1656-ND	.41	3.45	27.60	LTL2R3SEK
	Red	Water Clear	632	2.05	30	1700	20	15	160-1669-ND	.13	1.08	8.60	LTL2H3KEK
	Red	Water Clear	632	2.0	50	3100	20	15	160-1672-ND	.32	2.63	21.00	LTL2H3VEKNT
	Red	Water Clear	632	2.05	30	700	20	30	160-1682-ND	.13	1.08	8.60	LTL2R3KEK
	Red	Water Clear	632	2.0	50	1200	20	30	160-1499-ND	.43	3.60	28.80	LTL-2R3VEKNT
	Red-Orange	Water Clear	624	2.0	50	1300	20	30	160-1500-ND	.43	3.60	28.80	LTL-2R3VHKNT
	Red-Orange	Water Clear	621	2.0	50	3400	20	15	160-1671-ND	.35	2.88	23.00	LTL2H3VAKNT
	Red-Orange	Water Clear	621	2.05	30	700	20	30	160-1681-ND	.13	1.08	8.60	LTL2R3KAK
	Super Orange	Water Clear	621	2.0	50	1300	20	30	160-1501-ND	.43	3.60	28.80	LTL-2R3VAKNT
	Yellow-Orange	Water Clear	611	2.0	50	3400	20	15	160-1673-ND	.35	2.88	23.00	LTL2H3VFKNT
	Yellow-Orange	Water Clear	611	2.0	50	700	20	30	160-1688-ND	.32	2.70	21.60	LTL2R3QFK
	Yellow-Orange	Water Clear	611	2.05	30	700	20	30	160-1683-ND	.13	1.08	8.60	LTL2R3KFK
	Yellow-Orange	Water Clear	611	2.0	50	1300	20	30	160-1502-ND	.43	3.60	28.80	LTL-2R3VFKNT
	Amber-Yellow	Water Clear	595	2.0	50	7800	20	8	160-1496-ND	.43	3.60	28.80	LTL-2F3VYKNT
	Amber-Yellow	Water Clear	595	2.0	50	3400	20	15	160-1676-ND	.35	2.88	23.00	LTL2H3VYKNT
	Amber-Yellow	Water Clear	598	2.0	50	1300	20	30	160-1503-ND	.43	3.60	28.80	LTL-2R3VYKNT
	Amber-Yellow	Water Clear	595	2.0	50	700	20	30	160-1690-ND	.32	2.70	21.60	LTL2R3QYK
	Amber-Yellow	Water Clear	595	2.05	30	700	20	30	160-1687-ND	.13	1.08	8.60	LTL2R3KYK
	Amber	Water Clear	594	2.15	50	5500	20	15	160-1653-ND	.41	3.45	27.60	LTL2H3SYK
	Amber	Water Clear	594	2.15	50	3700	20	22	160-1655-ND	.41	3.45	27.60	LTL2P3SYK
	Amber	Water Clear	594	2.15	50	2800	20	30	160-1657-ND	.41	3.38	27.00	LTL2R3SYK
	Yellow	Water Clear	588	2.0	50	3100	20	15	160-1675-ND	.32	2.63	21.00	LTL2H3VSKNT
	Yellow	Water Clear	588	2.05	30	1700	20	15	160-1670-ND	.13	1.08	8.60	LTL2H3KSK
	Yellow	Water Clear	588	2.0	50	1000	20	22	160-1680-ND	.32	2.70	21.60	LTL2P3QSK
	Yellow	Water Clear	588	2.05	30	700	20	30	160-1686-ND	.13	1.08	8.60	LTL2R3KSK
	Yellow	Water Clear	588	2.0	50	1200	20	30	160-1504-ND	.43	3.60	28.80	LTL-2R3VSKNT
	Yellow	Yellow Diff.	585	2.1	20	29	10	50	160-1703-ND	.09	.73	5.80	LTL-307Y
	Green	Water Clear	574	2.1	30	980	20	22	160-1677-ND	.15	1.25	10.00	LTL2P3KGKNN
	Green	Green Diff.	574	2.1	30	150	20	40	160-1684-ND	.15	1.25	10.00	LTL2R3KG
	Green	Green Diff.	565	2.1	30	19	10	50	160-1706-ND	.09	.73	5.80	LTL-307G
	Green	Green Trans.	565	2.1	30	60	10	40	160-1702-ND	.09	.73	5.08	LTL-307GE
	Green	Water Clear	525	3.5	30	1900	20	30	160-1615-ND	1.04	8.63	69.00	LTL2T3TGK6
	Blue	Water Clear	468	3.5	30	1900	20	15	160-1611-ND	.84	7.00	56.00	LTL2P3TBK5
	Blue	Water Clear	468	4.0	30	240	20	30	160-1607-ND	.52	4.30	34.40	LTL2T3TBK2
	Blue	Water Clear	468	3.5	30	400	20	30	160-1608-ND	.56	4.63	37.00	LTL2T3TBK3
	Blue	Water Clear	468	3.5	30	680	20	30	160-1609-ND	.62	5.15	41.20	LTL2T3TBK4
	Blue	Water Clear	468	3.5	30	880	20	30	160-1610-ND	.99	8.25	66.00	LTL2T3TBK5
	White	Water Clear	—	3.3	100	13,000	30	15	160-1728-5-ND	1.16	9.63	77.00	LTW-2S3D7
	White	Water Clear	—	3.5	100	4200	30	15	160-1731-5-ND	1.16	9.63	77.00	LTW-2E3C4
	White	Water Clear	—	3.6	100	1800	30	56	160-1732-5-ND	1.16	9.63	77.00	LTW-2H7C5S
T-1 3/4	Amber-Yellow	Water Clear	595	2.05	30	1000	20	22	160-1679-ND	.13	1.08	8.60	LTL2P3KYKP
Oval - No Flange	Red	Water Clear	639	2.2	50	880	20	100 Hort./40 Vert.	160-1619-ND	.34	2.83	22.60	LTL5H3SRKS
Oval - No Flange	Super Red	Water Clear	639	2.2	50	1500	20	70 Hort./35 Vert.	160-1620-ND	.31	2.60	20.80	LTL5V3SRK
Oval - No Flange	Amber	Yellow Diff.	591	2.35	50	1150	20	70 Hort./35 Vert.	160-1621-ND	.34	2.83	22.60	LTL5V3SSS
8mm	Yellow	Yellow Diff	565	2.1	30	12.6	10	46	160-1041-ND	.27	2.28	18.20	LTL-327Y
T-1 3/4	White	Water Clear	—	3.6	100	4800	30	20	160-1726-5-ND	1.14	9.50	76.00	LTW-337C5
7.62mm Square	Super Red	Water Clear	639	2.15	70	1884	70	50	160-1509-ND	.53	4.38	35.00	LTL-912VRKSA
	Super Red	Water Clear	639	2.15	70	942	70	70	160-1505-ND	.53	4.38	35.00	LTL-911VRKSA
	Red	Water Clear	638	2.50	70	7500	70	30	160-1631-ND	.51	4.23	33.80	LTL914SEKS
	Red	Water Clear	638	2.50	70	3375	70	60	160-1625-ND	.46	3.85	30.80	LTL912SEKSA
	Red	Water Clear	638	2.50	70	2250	70	90	160-1622-ND	.46	3.85	30.80	LTL911SEKSA
	Red	Water Clear	632	2.15	70	2508	70	50	160-1510-ND	.53	4.38	35.00	LTL-912VEKSA
	Red	Water Clear	632	2.15	70	1254	70	70	160-1506-ND	.53	4.38	35.00	LTL-911VEKSA
	Red-Orange	Water Clear	624	2.15	70	2508	70	50	160-1511-ND	.53	4.38	35.00	LTL-912VHKSA
	Red-Orange	Water Clear	624	2.15	70	1254	70	70	160-1507-ND	.53	4.38	35.00	LTL-911VHKSA
	Amber	Water Clear	598	2.15	70	2508	70	50	160-1512-ND	.53	4.38	35.00	LTL-912VYKSA
	Amber	Water Clear	598	2.15	70	1254	70	70	160-1508-ND	.53	4.38	35.00	LTL-911VYKSA
	Amber	Water Clear	596	2.50	70	4180	70	30	160-1632-ND	.51	4.23	33.80	LTL914SYKS
	Amber	Water Clear	596	2.50	70	1254	70	90	160-1624-ND	.46	3.85	30.80	LTL911SYKSA
	Blue	Water Clear	465	4.3	50	630	50	56	160-1636-ND	1.89	15.78	126.20	LTL911CBKS5
	Blue	Water Clear	465	4.0	50	770	50	60	160-1639-ND	1.76	14.63	117.00	LTL912TBKS
	Blue	Water Clear	465	4.0	50	550	50	75	160-1637-ND	1.50	12.50	100.00	LTL911TBKS
7.62mm Square - Oval	Red	Water Clear	638	2.50	70	3000	70	100 Hort./40 Vert.	160-1628-ND	.56	4.63	37.00	LTL913SEKS
	Amber	Water Clear	596	2.50	70	1672	70	100 Hort./40 Vert.	160-1630-ND	.56	4.63	37.00	LTL913SYKS
7.62mm Square	Amber	Water Clear	596	2.50	70	627	70	120	160-1635-ND	.56	4.63	37.00	LTL915SYKS
	Green	Water Clear	518	4.0	50	480	50	120	160-1642-ND	1.89	15.78	126.20	LTL915TGKS
	Blue	Water Clear	465	4.0	50	165	50	120	160-1641-ND	1.89	15.78	126.20	LTL915TBKS

Fig. 1 — 1206

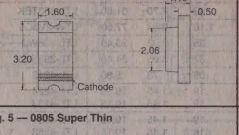


Fig. 2 — 1210

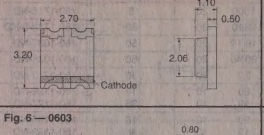
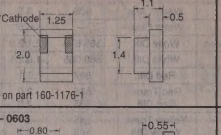


Fig. 3 — 0805



* Anode on part 160-1176-1

Fig. 4 — 0805

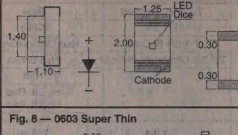


Fig. 5 — 0805 Super Thin

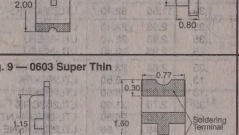
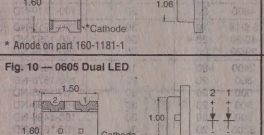


Fig. 6 — 0603



* Anode on part 160-1181-1

Fig. 7 — 0603

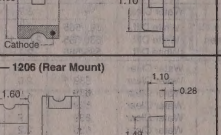


Fig. 8 — 0603 Super Thin

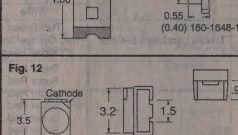


Fig. 9 — 0603 Super Thin

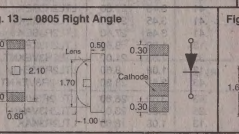


Fig. 10 — 0605 Dual LED

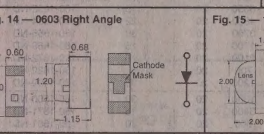


Fig. 11 — 1206 (Rear Mount)

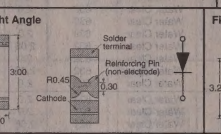


Fig. 12

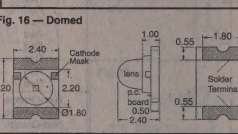


Fig. 13 — 0805 Right Angle

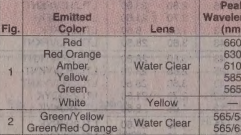


Fig. 14 — 0603 Right Angle

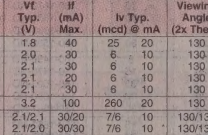


Fig. 15 — 1208 Right Angle

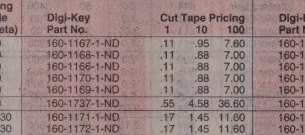


Fig. 16 — Domed

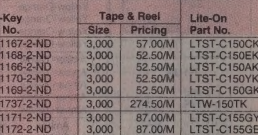


Fig.	Emitted Color	Lens	Peak Wavelength (nm)	Vf Typ. (V)	If (mA) Max.	Iv Typ. (mcd) @ mA		Viewing Angle (2x Theta)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Lite-On Part No.
1	Red	Water Clear	660	1.8	40	25	20	130	160-1167-1-ND	.11	.95	7.60	160-1167-2-ND	3,000	57.00/M	LTST-C150CK
	Red Orange		630	2.0	30	6	10	130	160-1168-1-ND	.11	.88	7.00	160-1168-2-ND	3,000	52.50/M	LTST-C150EK
	Amber		610	2.1	30	6	10	130	160-1166-1-ND	.11	.88	7.00	160-1166-2-ND	3,000	52.50/M	LTST-C150AK
	Yellow		585	2.1	20	6	10	130	160-1170-1-ND	.11	.88	7.00	160-1170-2-ND	3,000	52.50/M	LTST-C150YK
	Green		565	2.1	30	6	10	130	160-1169-1-ND	.11	.88	7.00	160-1169-2-ND	3,000	52.50/M	LTST-C150GK
	White	Yellow	—	3.2	100	260	20	130	160-1737-1-ND	.55	4.58	36.60	160-1737-2-ND	3,000	274.50/M	LTW-150TK
2	Green/Yellow	Water Clear	565/585	2.1/2.1	30/20	7/6	10	130/130	160-1171-1-ND	.17	1.45	11.60	160-1171-2-ND	3,000	87.00/M	LTST-C155GY
	Green/Red Orange		565/630	2.1/2.0	30/30	7/6	10	130/130	160-1172-1-ND	.17	1.45	11.60	160-1172-2-ND	3,000	87.00/M	LTST-C155GE
3	Red	Water Clear	660	1.8	40	10	10	130	160-1176-1-ND	.12	1.00	8.00	160-1176-2-ND	3,000	60.00/M	LTST-C170CK
	Red Orange		630	2.0	30	2	10	130	160-1178-1-ND	.11	.93	7.40	160-1178-2-ND	3,000	55.50/M	LTST-C170EK
	Amber		610	2.1	30	2	10	130	160-1177-1-ND	.11	.93	7.40	160-1177-2-ND	3,000	55.50/M	LTST-C170AK
	Yellow		585	2.1	20	6	10	130	160-1175-1-ND	.11	.93	7.40	160-1175-2-ND	3,000	55.50/M	LTST-C170YK
	Green		565	2.1	30	6	10	130	160-1179-1-ND	.11	.93	7.40	160-1179-2-ND	3,000	55.50/M	LTST-C170GK
4	White	Yellow	—	3.3	100	281	20	130	160-1738-1-ND	.55	4.58	36.60	160-1738-2-ND	3,000	274.50/M	LTW-170TK
5	Red	Water Clear	660	1.8	40	25	20	130	160-1421-1-ND	.15	1.14	9.50	160-1421-2-ND	3,000	57.00/M	LTST-C171CK
	Red Orange		630	2.0	30	6	20	130	160-1422-1-ND	.14	1.05	8.75	160-1422-2-ND	3,000	52.50/M	LTST-C171EK
	Amber		610	2.1	30	4.5	20	130	160-1419-1-ND	.14	1.05	8.75	160-1419-2-ND	3,000	52.50/M	LTST-C171AK
	Yellow		585	2.1	20	4.5	20	130	160-1431-1-ND	.14	1.05	8.75	160-1431-2-ND	3,000	52.50/M	LTST-C171YK
	Green		565	2.1	30	12	20	130	160-1423-1-ND	.14	1.05	8.75	160-1423-2-ND	3,000	52.50/M	LTST-C171GK
6	Red	Water Clear	660	1.8	40	10	10	130	160-1181-1-ND	.10	.83	6.60	160-1181-2-ND	3,000	49.50/M	LTST-C190CK
	Red Orange		630	2.0	30	2	10	130	160-1182-1-ND	.09	.75	6.00	160-1182-2-ND	3,000	45.00/M	LTST-C190EK
	Amber		610	2.1	30	2	10	130	160-1180-1-ND	.09	.75	6.00	160-1180-2-ND	3,000	45.00/M	LTST-C190AK
	Yellow		585	2.1	20	6	10	130	160-1184-1-ND	.09	.75	6.00	160-1184-2-ND	3,000	45.00/M	LTST-C190YK
	Green		565	2.1	30	6	10	130	160-1183-1-ND	.09	.75	6.00	160-1183-2-ND	3,000	45.00/M	LTST-C190GK
7	White	Yellow	—	2.93	100	70	20	130	160-1724-1-ND	.54	4.50	36.00	160-1724-2-ND	3,000	270.00/M	LTW-C191TS8
8	Red Orange	Water Clear	630	2.0	30	4.5	20	130	160-1442-1-ND	.14	1.05	8.75	160-1442-2-ND	5,000	52.50/M	LTST-C191EK
	Amber		610	2.1	30	4.5	20	130	160-1440-1-ND	.14	1.05	8.75	160-1440-2-ND	5,000	52.50/M	LTST-C191AK
	Yellow		585	2.1	20	4.5	20	130	160-1449-1-ND	.14	1.05	8.75	—	—	—	LTST-C191YK
	Green		565	2.1	30	12	20	130	160-1443-1-ND	.14	1.05	8.75	160-1443-2-ND	5,000	52.50/M	LTST-C191GK
	White	Yellow	—	2.95	20	78	5	130	160-1720-1-ND	1.25	10.43	83.40	160-1720-2-ND	3,000	625.50/M	LTW-191TS5
9	White	Yellow	—	2.95	20	78	5	130	160-1721-1-ND	1.25	10.43	83.40	160-1721-2-ND	3,000	324.00/M	LTW-C193TS8
	White		—	2.70	100	38	20	130	160-1741-1-ND	.55	4.58	36.60	160-1741-2-ND	3,000	274.50/M	LTW-C192TL2
	White		—	2.93	100	70	20	130	160-1742-1-ND	.55	4.58	36.60	160-1742-2-ND	3,000	274.50/M	LTW-C192TL5
	White		—	2.93	100	70	20	130	160-1743-1-ND	.55	4.58	36.60	160-1743-2-ND	3,000	274.50/M	LTW-C192TS8
10	Green/Red	Water Clear	565/630	2.1/2.0	30/30	10/4.5	20	130	160-1450-1-ND	.23	1.74	14.50	160-1450-2-ND	4,000	87.00/M	LTST-C195GE
	Green/Yellow		565/585	2.1/2.1	30/20	10/4.5	20	130	160-1451-1-ND	.23	1.74	14.50	160-1451-2-ND	4,000	87.00/M	LTST-C195GY
11	Red	Water Clear	660	1.8	40	25	20	130	160-1186-1-ND	.12	1.00	8.00	160-1186-2-ND	3,000	60.00/M	LTST-C230CK
	Red Orange		630	2.0	30	6	20	130	160-1187-1-ND	.11	.93	7.40	160-1187-2-ND	3,000	55.50/M	LTST-C230EK
	Amber		610	2.1	30	4.5	20	130	160-1185-1-ND	.11	.93	7.40	160-1185-2-ND	3,000	55.50/M	LTST-C230AK
	Yellow		585	2.1	20	4.5	20	130	160-1189-1-ND	.11	.93	7.40	160-1189-2-ND	3,000	55.50/M	LTST-C230YK
	Green		565	2.1	30	14	20	130	160-1188-1-ND	.11	.93	7.40	160-1188-2-ND	3,000	55.50/M	LTST-C230GK
12	Red	Water Clear	635	2.0	30	12.4	10	120	160-1222-1-ND	.17	1.29	10.75	160-1222-2-ND	2,000	64.50/M	LTST-T670EK
	Amber		610	2.1	30	8	10	120	160-1121-1-ND	.27	2.28	18.20	—	—	—	LTL-94PAKTA
	Amber		610	2.1	30	12.4	10	120	160-1221-1-ND	.17	1.29	10.75	160-1221-2-ND	2,000	64.50/M	LTST-T670AK
	Yellow		585	2.1	20	12.4	10	120	160-1224-1-ND	.17	1.29	10.75	160-1224-2-ND	2,000	64.50/M	LTST-T670YK
	Green		565	2.1	30	20	10	120	160-1223-1-ND	.17	1.29	10.75	160-1223-2-ND	2,000	64.50/M	LTST-T670GK
	White	Yellow	—	3.5	100	700	30	120	160-1725-1-ND	.84	7.00	56.00	160-1725-2-ND	2,000	420.00/M	LTW-670DS
13	Red Orange	Water Clear	630	2.0	30	4	20	130	160-1220-1-ND	.15	1.11	9.25	160-1220-2-ND	4,000	55.50/M	LTST-S220EK
	Green		565	2.1	30	10	20	130	160-1218-1-ND	.15	1.11	9.25	160-1218-2-ND	4,000	55.50/M	LTST-S220GK
14	Red Orange	Water Clear	630	2.0	30	4	20	130	160-1474-1-ND	.14	1.05	8.75	160-1474-2-ND	4,000	52.50/M	LTST-S270EK
	Amber		610	2.1	30	4	20	130	160-1472-1-ND	.22	1.65	13.75	—	—	—	LTST-S270AK
	Yellow		585	2.1	20	4	20	130	160-1482-1-ND	.14	1.05	8.75	160-1482-2-ND	4,000	52.50/M	LTST-S270YK
	Green		565	2.1	30	10	20	130	160-1475-1-ND	.14	1.05	8.75	160-1475-2-ND	4,000	52.50/M	LTST-S270GK
	White	Yellow	—	3.0	100	95	20	130	160-1739-1-ND	1.16	9.63	77.00	160-1739-2-ND	4,000	577.50/M	LTW-270TLA
15	Red Orange	Water Clear	630	2.0	30	4	20	130	160-1206-1-ND	.16	1.20	10.00	160-1206-2-ND	3,000	60.00/M	LTST-S320EK
	Yellow		585	2.1	20	4	20	130	160-1207-1-ND	.16	1.20	10.00	160-1207-2-ND	3,000	60.00/M	LTST-S320YK
	Green		565	2.1	30	10	20	130	160-1206-1-ND	.16	1.20	10.00	160-1206-2-ND	3,000	60.00/M	LTST-S320GK
16	Orange	Water Clear	630	2.0	30	25	10	25	160-1214-1-ND	.18	1.35	11.25	160-1214-2-ND	1,500	67.50/M	LTST-C930EK
	Yellow		585	2.1	20	16	10	25	160-1213-1-ND	.18	1.35	11.25	160-1213-2-ND	1,500	67.50/M	LTST-C930YK
	Green		565	2.1	30	40	10	25	160-1212-1-ND	.18	1.35	11.25	160-1212-2-ND	1,500	67.50/M	LTST-C930GK

(Contin

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Blue Surface Mount LEDs

Fig.	Emitted Color	Lens	Peak Wavelength (nm)	Vf Typ. (V)	If (mA) Max.	Iv Typ. (mcd)	Iv Typ. @ mA	Angle (2x Theta)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Lite-On Part No.
1	Blue	Water Clear	468	3.4	20	70	20	130	160-1643-1-ND	.83	6.24	52.00	160-1643-2-ND	3,000	312.00/M	LTST-C150TBKT
3	Blue	Water Clear	468	3.3	20	70	20	130	160-1579-1-ND	.40	3.00	25.00	160-1579-2-ND	3,000	150.00/M	LTST-C170TBKT
5	Blue	Water Clear	468	3.4	20	30	20	130	160-1645-1-ND	1.60	12.00	100.00	160-1645-2-ND	3,000	312.00/M	LTST-C171TBKT
6	Blue	Water Clear	468	3.4	20	30	20	130	160-1646-1-ND	.83	6.24	52.00	160-1646-2-ND	3,000	312.00/M	LTST-C190TBKT
8	Blue	Water Clear	468	3.4	20	30	20	130	160-1647-1-ND	.83	6.24	52.00	160-1647-2-ND	5,000	312.00/M	LTST-C191TBKT
			468	3.4	20	45	20	130	160-1648-1-ND	.40	3.00	25.00	160-1648-2-ND	5,000	150.00/M	LTST-C192TBKT
12	Blue	Water Clear	468	3.5	30	90	20	120	160-1229-1-ND	.75	6.25	50.00	160-1229-2-ND	2,000	375.00/M	LTST-T670TBKT
14	Blue	Water Clear	468	3.4	20	70	20	130	160-1650-1-ND	.83	6.24	52.00	160-1650-2-ND	4,000	312.00/M	LTST-S270TBKT
15	Blue	Water Clear	468	3.4	20	30	20	130	160-1651-1-ND	.83	6.24	52.00	160-1651-2-ND	3,000	312.00/M	LTST-S320TBKT
16	Blue	Water Clear	468	3.7	30	180	20	25	160-1460-1-ND	2.28	17.10	142.50	160-1460-2-ND	1,500	855.00/M	LTST-C930CBKT
			468	3.4	20	450	20	25	160-1649-1-ND	.83	6.24	52.00	160-1649-2-ND	1,500	312.00/M	LTST-C930TBKT

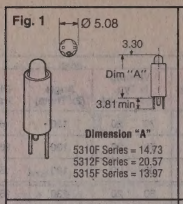
Ultra-Bright AlInGaP Surface Mount LEDs

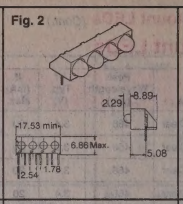
Fig.	Emitted Color	Lens	Peak Wavelength (nm)	VF Typ. (V)	If (mA) Max.	Iv Typ. (mcd)	Iv Typ. @ mA	Viewing Angle (2x Theta)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Size	Tape & Reel Pricing	Lite-On Part No.
1	Super Red	Water Clear	639	2.0	30	54	20	130	160-1405-1-ND	.17	1.26	10.50	160-1405-2-ND	3,000	63.00/M	LTST-C150KRKT
	Red Orange		621	2.0	30	55	20	130	160-1402-1-ND	.17	1.26	10.50	160-1402-2-ND	3,000	63.00/M	LTST-C150KAKT
	Amber Yellow		595	2.0	30	50	20	130	160-1407-1-ND	.17	1.26	10.50	160-1407-2-ND	3,000	63.00/M	LTST-C150KYKT
	Yellow		588	2.0	30	60	20	130	160-1406-1-ND	.17	1.26	10.50	160-1406-2-ND	3,000	63.00/M	LTST-C150KSKT
	Green		574	2.0	30	35	20	130	160-1404-1-ND	.17	1.26	10.50	160-1404-2-ND	3,000	63.00/M	LTST-C150KGKT
2	Green/Super Red	Water Clear	574/639	2/2	30/30	35/45	20	130	160-1409-1-ND	.27	2.01	16.75	160-1409-2-ND	3,000	100.50/M	LTST-C155KGJRKT
	Green/Yellow		574/591	2/2	30/30	35/75	20	130	160-1410-1-ND	.27	2.01	16.75	160-1410-2-ND	3,000	100.50/M	LTST-C155KGJSKT
3	Super Red	Water Clear	639	2.0	30	54	20	130	160-1415-1-ND	.17	1.29	10.75	160-1415-2-ND	3,000	64.50/M	LTST-C170KRKT
	Red Orange		621	2.0	30	55	20	130	160-1412-1-ND	.17	1.29	10.75	160-1412-2-ND	3,000	64.50/M	LTST-C170KAKT
	Amber		611	2.0	30	60	20	130	160-1413-1-ND	.17	1.29	10.75	160-1413-2-ND	3,000	64.50/M	LTST-C170KFKT
	Yellow		588	2.0	30	60	20	130	160-1416-1-ND	.17	1.29	10.75	160-1416-2-ND	3,000	64.50/M	LTST-C170KSKT
	Green		574	2.0	30	35	20	130	160-1414-1-ND	.17	1.29	10.75	160-1414-2-ND	3,000	64.50/M	LTST-C170KGKT
5	Super Red	Water Clear	639	2.0	30	54	20	130	160-1427-1-ND	.17	1.26	10.50	160-1427-2-ND	3,000	63.00/M	LTST-C171KRKT
	Amber Yellow		595	2.0	30	50	20	130	160-1429-1-ND	.17	1.26	10.50	160-1429-2-ND	3,000	63.00/M	LTST-C171KYKT
	Yellow		588	2.0	30	60	20	130	160-1428-1-ND	.17	1.26	10.50	160-1428-2-ND	3,000	63.00/M	LTST-C171KSKT
	Green		574	2.0	30	35	20	130	160-1426-1-ND	.17	1.26	10.50	160-1426-2-ND	3,000	63.00/M	LTST-C171KGKT
6	Super Red	Water Clear	639	2.0	30	54	20	130	160-1436-1-ND	.15	1.11	9.25	160-1436-2-ND	3,000	55.50/M	LTST-C190KRKT
	Red Orange		621	2.0	30	55	20	130	160-1433-1-ND	.15	1.11	9.25	160-1433-2-ND	3,000	55.50/M	LTST-C190KAKT
	Amber		611	2.0	30	60	20	130	160-1434-1-ND	.15	1.11	9.25	160-1434-2-ND	3,000	55.50/M	LTST-C190KFKT
	Amber Yellow		595	2.0	30	50	20	130	160-1438-1-ND	.15	1.11	9.25	160-1438-2-ND	3,000	55.50/M	LTST-C190KYKT
	Yellow		588	2.0	30	60	20	130	160-1437-1-ND	.15	1.11	9.25	160-1437-2-ND	3,000	55.50/M	LTST-C190KSKT
	Green		574	2.0	30	35	20	130	160-1435-1-ND	.15	1.11	9.25	160-1435-2-ND	3,000	55.50/M	LTST-C190KGKT
8	Super Red	Water Clear	639	2.0	30	54	20	130	160-1447-1-ND	.17	1.26	10.50	160-1447-2-ND	5,000	63.00/M	LTST-C191KRKT
	Red Orange		621	2.0	30	55	20	130	160-1444-1-ND	.17	1.26	10.50	—	—	—	LTST-C191KAKT
	Red Orange		605	2.0	30	90	20	130	160-1445-1-ND	.22	1.65	1.65	160-1445-2-ND	5,000	82.50/M	LTST-C191KFKT
	Yellow		591	2.0	30	60	20	130	160-1448-1-ND	.17	1.26	10.50	160-1448-2-ND	5,000	63.00/M	LTST-C191KSKT
	Green		574	2.0	30	35	20	130	160-1446-1-ND	.17	1.26	10.50	160-1446-2-ND	5,000	63.00/M	LTST-C191KGKT
10	Green/Red	Water Clear	574/639	2/2	30/30	35/45	20	130	160-1452-1-ND	.27	2.01	16.75	160-1452-2-ND	4,000	100.50/M	LTST-C195KGJRKT
	Green/Yellow		574/591	2/2	30/30	35/75	20	130	160-1453-1-ND	.27	2.01	16.75	160-1453-2-ND	4,000	100.50/M	LTST-C195KGJSKT
11	Super Red	Water Clear	639	2.0	30	54	20	130	160-1457-1-ND	.17	1.29	10.75	160-1457-2-ND	3,000	64.50/M	LTST-C230KRKT
	Red Orange		621	2.0	30	55	20	130	160-1455-1-ND	.22	1.65	13.75	—	—	—	LTST-C230KAKT
	Yellow		588	2.0	30	60	20	130	160-1458-1-ND	.17	1.29	10.75	160-1458-2-ND	3,000	64.50/M	LTST-C230KSKT
	Green		574	2.0	30	35	20	130	160-1456-1-ND	.17	1.29	10.75	160-1456-2-ND	3,000	64.50/M	LTST-C230KGKT
12	Red	Water Clear	639	2.0	30	100	20	120	160-1226-1-ND	.20	1.50	12.50	160-1226-2-ND	2,000	75.00/M	LTST-T670KRKT
	Yellow		591	2.0	30	100	20	120	160-1227-1-ND	.20	1.50	12.50	160-1227-2-ND	2,000	75.00/M	LTST-T670KSKT
	Green		574	2.0	30	60	20	120	160-1228-1-ND	.20	1.50	12.50	160-1228-2-ND	2,000	75.00/M	LTST-T670KGKT
	Amber		611	2.0	30	100	20	120	160-1225-1-ND	.20	1.50	12.50	160-1225-2-ND	2,000	75.00/M	LTST-T670KFKT
13	Super Red	Water Clear	639	2.0	30	54	20	130	160-1469-1-ND	.16	1.20	10.00	160-1469-2-ND	4,000	60.00/M	LTST-S220KRKT
	Yellow		591	2.0	30	60	20	130	160-1470-1-ND	.16	1.20	10.00	160-1470-2-ND	4,000	60.00/M	LTST-S220KSKT
	Green		574	2.0	30	35	20	130	160-1468-1-ND	.16	1.20	10.00	160-1468-2-ND	4,000	60.00/M	LTST-S220KGKT
14	Super Red	Water Clear	639	2.0	30	54	20	130	160-1479-1-ND	.17	1.26	10.50	160-1479-2-ND	4,000	63.00/M	LTST-S270KRKT
	Amber		611	2.0	30	60	20	130	160-1477-1-ND	.17	1.26	10.50	160-1477-2-ND	4,000	63.00/M	LTST-S270KFKT
	Yellow		591	2.0	30	60	20	130	160-1480-1-ND	.17	1.26	10.50	160-1480-2-ND	4,000	63.00/M	LTST-S270KSKT
	Green		574	2.0	30	35	20	130	160-1478-1-ND	.17	1.26	10.50	160-1478-2-ND	4,000	63.00/M	LTST-S270KGKT
15	Super Red	Water Clear	639	2.0	30	54	20	130	160-1487-1-ND	.19	1.41	11.75	160-1487-2-ND	3,000	70.50/M	LTST-S320KRKT
	Amber Yellow		595	2.0	30	50	20	130	160-1489-1-ND	.17	1.29	10.75	—	—	—	LTST-S320KYKT
	Yellow		591	2.0	30	60	20	130	160-1488-1-ND	.19	1.41	11.75	160-1488-2-ND	3,000	70.50/M	LTST-S320KSKT
	Green		574	2.0	30	35	20	130	160-1486-1-ND	.17	1.29	10.75	160-1486-2-ND	3,000	64.50/M	LTST-S320KGKT
16	Super Red	Water Clear	639	2.0	30	850	20	25	160-1463-1-ND	.21	1.56	13.00	160-1463-2-ND	1,500	78.00/M	LTST-C930KRKT
	Red Orange		621	2.0	30	1050	20	25	160-1461-1-ND	.21	1.56	13.00	160-1461-2-ND	1,500	78.00/M	LTST-C930KAKT
	Yellow		591	2.0	30	800	20	25	160-1464-1-ND	.21	1.56	13.00	160-1464-2-ND	1,500	78.00/M	LTST-C930KSKT
	Green		574	2.0	30	365	20	25	160-1462-1-ND	.21	1.56	13.00	160-1462-2-ND	1,500	78.00/M	LTST-C930KGKT

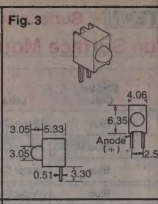
CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

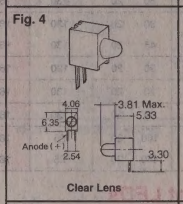
PC Board Mounted LEDs

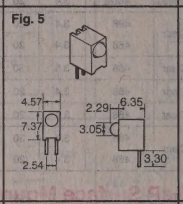
Fig.	Color	Rated Current (mA)	Forward Voltage Typ. (V)	Digi-Key Part No.	Pricing 1	25	100	250	CML Part No.
				T1					
	Red	10	2.0	L20261-ND	.97	19.74	57.12	126.00	5310F1
	Green	20	2.2	L20265-ND	.97	19.74	57.12	126.00	5310F5
	Yellow	20	2.1	L20267-ND	.97	19.74	57.12	126.00	5310F7
1	Green	20	2.2	L20275-ND	.97	19.74	57.12	126.00	5312F5
	Yellow	20	2.1	L20277-ND	.97	19.74	57.12	126.00	5312F7
	Red	10	2.0	L20281-ND	.97	19.74	57.12	126.00	5315F1
	Green	20	2.2	L20285-ND	.97	19.74	57.12	126.00	5315F5
	Red	10	2.0	L20151-ND	2.00	40.42	116.96	258.00	5360F1
2	Green	20	2.2	L20155-ND	2.00	40.42	116.96	258.00	5360F5
	Yellow	20	2.1	L20157-ND	2.00	40.42	116.96	258.00	5360F7
	Red	10	2.0	L20321-ND	.47	9.46	27.37	60.38	5600F1
	Green	20	2.2	L20325-ND	.47	9.46	27.37	60.38	5600F5
3	Yellow	20	2.1	L20327-ND	.47	9.46	27.37	60.38	5600F7
	Red	10	5.0	L20331-ND	.74	15.04	43.52	96.00	5602F1-5V
	Amber	10	5.0	L20333-ND	.74	15.04	43.52	96.00	5602F3-5V
	Green	12	5.0	L20335-ND	.74	15.04	43.52	96.00	5602F5-5V
	Red	20	1.8	L20191-ND	.90	18.33	53.04	117.00	5608F1
4	Green	20	2.3	L20195-ND	.90	18.33	53.04	117.00	5608F5
	Yellow	20	2.2	L20197-ND	.90	18.33	53.04	117.00	5608F7
	Red	10	2.0	L20361-ND	.47	9.46	27.37	60.38	5650F1
	Green	20	2.2	L20365-ND	.47	9.46	27.37	60.38	5650F5
5	Yellow	20	2.1	L20367-ND	.47	9.46	27.37	60.38	5650F7
	Red	2.0	1.8	L20371-ND	.61	12.40	35.87	79.13	5650F1LC
	Red	13	5.0	L20381-ND	.74	15.04	43.52	96.00	5652F1-5V
	Red	10	2.0	L20401-ND	.72	14.57	42.16	93.00	5680F1;1
6	Green	20	2.2	L20405-ND	.72	14.57	42.16	93.00	5680F5;5
	Yellow	20	2.1	L20407-ND	.72	14.57	42.16	93.00	5680F7;7
	Red	10	2.0	L20411-ND	.79	15.98	46.24	102.00	6321F1
7	Green	10	2.3	L20415-ND	.79	15.98	46.24	102.00	6321F5
	Yellow	10	2.2	L20417-ND	.79	15.98	46.24	102.00	6321F7
	Red	10	2.0	L20421-ND	.97	19.74	57.12	126.00	5322F1
	Green	20	2.2	L20425-ND	.97	19.74	57.12	126.00	5322F5
	Yellow	20	2.1	L20427-ND	.97	19.74	57.12	126.00	5322F7
8	Red	10	2.0	L20431-ND	.97	19.74	57.12	126.00	5320F1
	Yellow	20	2.1	L20437-ND	.97	19.74	57.12	126.00	5320F7
	Red	10	2.0	L20441-ND	.97	19.74	57.12	126.00	5321F1
	Green	20	2.2	L20445-ND	.97	19.74	57.12	126.00	5321F5
	Red	10	2.2	L2045111-ND	2.30	46.53	134.64	297.00	5693F1;1;1-A
9	Green	10	2.3	L2045555-ND	2.30	46.53	134.64	297.00	5693F5;5;5-A
	Yellow	10	2.2	L2045777-ND	2.30	46.53	134.64	297.00	5693F7;7;7-A
	Red	10	2.2	L20461111-ND	3.19	64.63	187.00	412.50	5694F1;1;1;1-A
10	Green	10	2.3	L20465555-ND	3.19	64.63	187.00	412.50	5694F5;5;5;5-A
	Yellow	10	2.2	L20467777-ND	3.19	64.63	187.00	412.50	5694F7;7;7;-A
	Red	10	2.0	L20448-ND	.72	14.57	42.16	93.00	553-0111
	Green	10	2.2	L20449-ND	.72	14.57	42.16	93.00	553-0122
11	Yellow	10	2.1	L20450-ND	.72	14.57	42.16	93.00	553-0133
	Red/Green	20	1.8/2.1	L20451-ND	.72	14.57	42.16	93.00	553-0711
	Green/Yellow	30/20	2.1/2.8	L20452-ND	.72	14.57	42.16	93.00	553-0744
				T 13/4					
	Red	20	1.7	L20001-ND	.53	10.81	31.28	69.00	5300E1
	Red	20	2.0	L20011-ND	.34	6.82	19.72	43.50	5300H1
	Green	20	2.2	L20015-ND	.34	6.82	19.72	43.50	5300H5
	Yellow	20	2.1	L20017-ND	.34	6.82	19.72	43.50	5300H7
	Red	10	5.0	L20021-ND	.74	15.04	43.52	96.00	5302H1-5V
	Amber	10	5.0	L20023-ND	.74	15.04	43.52	96.00	5302H3-5V
12	Green	20	5.0	L20025-ND	.74	15.04	43.52	96.00	5302H5-5V
	Red	2	1.8	L20031-ND	.48	9.75	28.22	62.25	5300H1LC
	Green	2	1.8	L20035-ND	.48	9.75	28.22	62.25	5300H5LC
	Yellow	2	1.9	L20037-ND	.48	9.75	28.22	62.25	5300H7LC
	Red	35	3.0	L20041-ND	.67	13.63	39.44	87.00	5308H1
	Green	20	2.5	L20045-ND	.67	13.63	39.44	87.00	5308H5
	Yellow	20	2.1	L20047-ND	.67	13.63	39.44	87.00	5308H7
12	Red/Green	10	2.2	L20048-ND	.85	17.16	49.64	109.50	5300H1/5
	Red	20	2.0	L20171-ND	.70	14.10	40.80	90.00	5306H1
13	Amber	20	2.0	L20173-ND	.70	14.10	40.80	90.00	5306H3
	Green	20	2.2	L20175-ND	.70	14.10	40.80	90.00	5306H5
	Yellow	20	2.1	L20177-ND	.70	14.10	40.80	90.00	5306H7
	Red	20	2.0	L20051-ND	.70	14.10	40.80	90.00	5307H1
14	Green	20	2.2	L20055-ND	.70	14.10	40.80	90.00	5307H5
	Red	20	2.0	L20061-ND	.70	14.10	40.80	90.00	5330H1
	Green	20	2.2	L20065-ND	.70	14.10	40.80	90.00	5330H5
15	Yellow	20	2.2	L20067-ND	.70	14.10	40.80	90.00	5330H7
	Red	20	2.0	L20731-ND	.70	14.10	40.80	90.00	5331H1
	Green	20	2.1	L20735-ND	.70	14.10	40.80	90.00	5331H5
	Yellow	20	2.1	L20737-ND	.70	14.10	40.80	90.00	5331H7
	Red	20	2.0	L20251-ND	1.07	21.62	62.56	138.00	5341H1
16	Green	20	2.1	L20255-ND	1.07	21.62	62.56	138.00	5341H5
	Yellow	20	2.1	L20257-ND	1.07	21.62	62.56	138.00	5341H7
	Red	20	1.7	L20301-ND	.53	10.81	31.28	69.00	5380E1
17	Red	20	2.0	L20311-ND	.53	10.81	31.28	69.00	5380H1
	Green	20	2.2	L20315-ND	.53	10.81	31.28	69.00	5380H5
	Yellow	20	2.1	L20317-ND	.53	10.81	31.28	69.00	5380H7
	Red	20	2.0	L20161-ND	.60	12.22	35.36	78.00	5381H1
18	Green	20	2.2	L20165-ND	.60	12.22	35.36	78.00	5381H5
	Yellow	20	2.1	L20167-ND	.60	12.22	35.36	78.00	5381H7
	Red	20	1.7	L20341-ND	2.25	45.59	131.92	291.00	5640E1
19	Red	20	2.0	L20351-ND	2.25	45.59	131.92	291.00	5640H1
	Green	20	2.2	L20355-ND	2.25	45.59	131.92	291.00	5640H5
	Yellow	20	2.1	L20357-ND	2.25	45.59	131.92	291.00	5640H7
	Red	20	2.0	L20391-ND	1.23	24.91	72.08	159.00	5670H1;1
20	Green	20	2.2	L20395-ND	1.23	24.91	72.08	159.00	5670H5;5
	Yellow	20	2.1	L20397-ND	1.23	24.91	72.08	159.00	5670H7;7
	Red	20	2.0	L20491-ND	.70	14.10	40.80	90.00	5332H1
21	Green	20	2.1	L20495-ND	.70	14.10	40.80	90.00	5332H5
	Yellow	20	2.1	L20497-ND	.70	14.10	40.80	90.00	5332H7
22	Red/Green	15	2.1	L20488-ND	1.72	34.78	100.64	222.00	5305H1/5
	Amber/Green	15	2.1	L205935-ND	1.72	34.78	100.64	222.00	5305H3/5
				2mm					
	Red	10	2.2	L20081-ND	.81	16.45	47.60	105.00	5350T1
	Green	10	2.3	L20085-ND	.81	16.45	47.60	105.00	5350T5
	Yellow	10	2.2	L20087-ND	.81	16.45	47.60	105.00	5350T7
	Red	9.6	5.0	L20091-ND	.93	18.80	54.40	120.00	5352T1-5V
23	Amber	10	5.0	L20093-ND	.93	18.80	54.40	120.00	5352T3-5V
	Green	10	5.0	L20095-ND	.93	18.80	54.40	120.00	5352T5-5V
	Red	2	1.8	L20101-ND	.97	19.74	57.12	126.00	5350T1LC
	Green	2	1.8	L20105-ND	.97	19.74	57.12	126.00	5350T5LC
	Yellow	2	1.9	L20107-ND	.97	19.74	57.12	126.00	5350T7LC

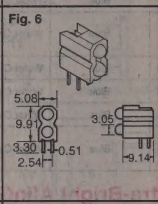


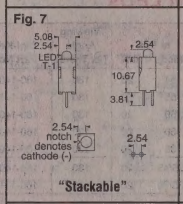


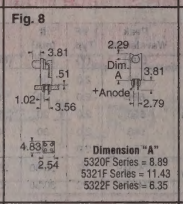


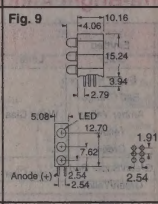


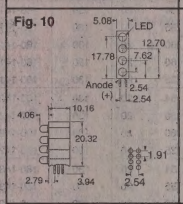


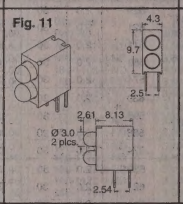


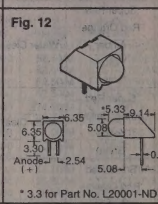


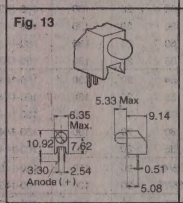


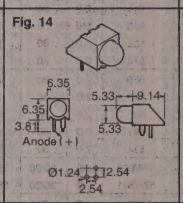


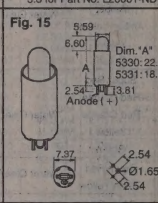


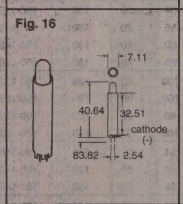


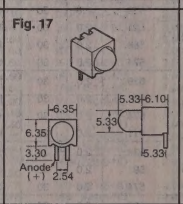


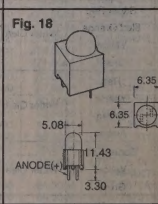


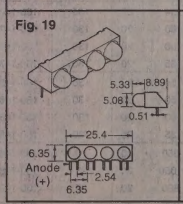


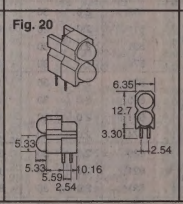


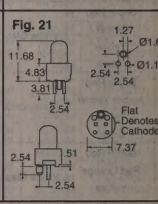












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PC Board Mounted LEDs *(Cont.)*

Fig.	Color	Rated Current (mA)	Forward Voltage Typ. (V)	Digi-Key Part No.	Pricing 1	25	100	250	CML Part No.
				2mm					
	Red	3.5	5.0	L20111-ND	.97	19.74	57.12	126.00	5352T1-5VLC
	Amber	3.5	5.0	L20113-ND	.97	19.74	57.12	126.00	5352T3-5VLC
	Green	3.5	5.0	L20115-ND	.97	19.74	57.12	126.00	5352T5-5VLC
	Red	10	2.2	L20121-ND	1.39	28.20	81.60	180.00	5370T1
	Green	10	2.3	L20125-ND	1.39	28.20	81.60	180.00	5370T5
	Yellow	10	2.2	L20127-ND	1.39	28.20	81.60	180.00	5370T7
	Red	9.5	5.0	L20131-ND	1.51	30.55	88.40	195.00	5372T1-5V
24	Amber	10	5.0	L20133-ND	1.51	30.55	88.40	195.00	5372T3-5V
	Green	10	5.0	L20135-ND	1.51	30.55	88.40	195.00	5372T5-5V
	Red	2	1.8	L20141-ND	1.50	30.32	87.72	193.50	5370T1LC
	Green	2	1.8	L20145-ND	1.50	30.32	87.72	193.50	5370T5LC
	Yellow	2	1.9	L20147-ND	1.50	30.32	87.72	193.50	5370T7LC
	Red	3.5	5.0	L20291-ND	1.50	30.32	87.72	193.50	5372T1-5VLC
	Amber	3.5	5.0	L20293-ND	1.50	30.32	87.72	193.50	5372T3-5VLC
	Green	3.5	5.0	L20295-ND	1.50	30.32	87.72	193.50	5372T5-5VLC
				Rectangular					
	Red	20	2.1	L20541-ND	1.16	23.50	68.00	150.00	5636D1
25	Green	20	2.1	L20545-ND	1.16	23.50	68.00	150.00	5636D5
	Yellow	20	2.2	L20547-ND	1.16	23.50	68.00	150.00	5636D7
26	Red	10	2.1	L20571-ND	5.57	112.80	326.40	720.00	5638D1

Fig.	Color	Rated Current (mA)	Forward Voltage Typ. (V)	Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 750	CML Part No.
				PC Board Mount on Tape and Reel						
27	Red	10	2.0	L60011CT-ND	.95	8.16	68.00	L60011TR-ND	306.00	5655F1
	Green	20	2.2	L60015CT-ND	.95	8.16	68.00	L60015TR-ND	306.00	5655F5

Fig. 22

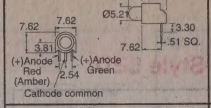


Fig. 23

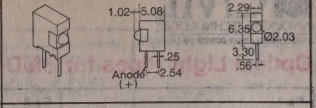


Fig. 24

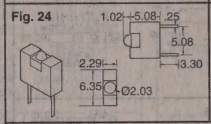


Fig. 25

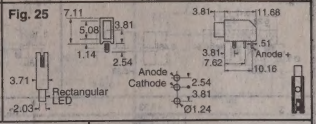


Fig. 26

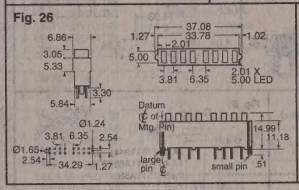
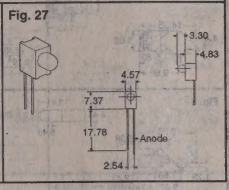


Fig. 27



Panel Mount LED Assemblies

Fig.	Color	Rated Current (mA)	Forward Voltage Typ. (V)	Digi-Key Part No.	Pricing 1	25	100	250	CML Part No.
	Red	20	2.0	L10001-ND	1.09	22.09	63.92	141.00	5100H1
	Green	20	2.2	L10005-ND	1.09	22.09	63.92	141.00	5100H5
	Yellow	20	2.1	L10007-ND	1.09	22.09	63.92	141.00	5100H7
	Red	2	1.8	L10011-ND	1.40	28.44	82.28	181.50	5100H1LC
1	Yellow	2	1.9	L10017-ND	1.40	28.44	82.28	181.50	5100H7LC
	Red	10	5.0	L10021-ND	1.64	33.19	96.05	211.88	5102H1-5V
	Amber	10	5.0	L10023-ND	1.64	33.19	96.05	211.88	5102H3-5V
	Green	12	5.0	L10025-ND	1.64	33.19	96.05	211.88	5102H5-5V
	Red/Green	20	2.2	L10008-ND	1.79	36.25	104.89	231.38	5100H1/5
	Red	20	2.0	L10031-ND	1.09	22.15	64.09	141.38	5101H1
2	Green	20	2.2	L10035-ND	1.09	22.15	64.09	141.38	5101H5
	Yellow	20	2.1	L10037-ND	1.09	22.15	64.09	141.38	5101H7
	Red	10	2.0	L10041-ND	1.32	26.67	77.18	170.25	5110F1
	Green	20	2.2	L10045-ND	1.32	26.67	77.18	170.25	5110F5
3	Yellow	20	2.1	L10047-ND	1.32	26.67	77.18	170.25	5110F7
	Red	2	1.8	L10051-ND	1.79	36.19	104.72	231.00	5110F1LC
	Yellow	2	1.9	L10057-ND	1.79	36.19	104.72	231.00	5110F7LC
	Red	10	2.0	L10061-ND	.75	15.10	43.69	96.38	5111F1
4	Green	20	2.2	L10065-ND	.75	15.10	43.69	96.38	5111F5
	Yellow	20	2.1	L10067-ND	.75	15.10	43.69	96.38	5111F7
	Red	10	2.0	L10091-ND	1.84	37.25	107.78	237.75	5210F1
5	Green	20	2.2	L10095-ND	1.84	37.25	107.78	237.75	5210F5
	Yellow	20	2.1	L10097-ND	1.84	37.25	107.78	237.75	5210F7
	Red	20	2.0	L10071-ND	2.08	42.07	121.72	268.50	5400A1
6	Green	20	2.1	L10075-ND	2.08	42.07	121.72	268.50	5400A5
	Yellow	20	2.1	L10077-ND	2.08	42.07	121.72	268.50	5400A7
	Red	10	2.0	L50381-ND	2.50	50.58	146.37	322.88	3990A1
	Amber	10	2.0	L50383-ND	2.50	50.58	146.37	322.88	3990A3
7	Green	20	2.2	L50385-ND	2.50	50.58	146.37	322.88	3990A5
	Yellow	20	2.1	L50387-ND	2.50	50.58	146.37	322.88	3990A7

Fig.	Dia. (mm)	Volts	Termination	Digi-Key Part No.	Pricing 1	25	100	CML Part No.
	12.70	6	Wire	L5014□-ND	3.34	67.68	195.84	1091M□-6V
	12.70	12	Wire	L5015□-ND	3.34	67.68	195.84	1091M□-12V
8	12.70	24	Wire	L5016□-ND	3.34	67.68	195.84	1091M□-24V
	12.70	12	4.75mm Terminal	L5017□-ND	3.55	71.85	207.91	1091QM□-12V
	12.70	24	4.75mm Terminal	L5018□-ND	3.55	71.85	207.91	1091QM□-24V
	7.87	6	Wire	L5025□-ND	3.38	68.56	198.39	2191L□-6V
	7.87	12	Wire	L5026□-ND	3.38	68.56	198.39	2191L□-12V
9	7.87	24	Wire	L5027□-ND	3.38	68.56	198.39	2191L□-24V
	7.87	12	4.75mm Terminal	L5028□-ND	3.55	71.85	207.91	2191QL□-12V
	7.87	24	4.75mm Terminal	L5029□-ND	3.55	71.85	207.91	2191QL□-24V
	7.87	6	Wire	L5030□-ND	3.38	68.56	198.39	2191U□-6V
	7.87	12	Wire	L5031□-ND	3.38	68.56	198.39	2191U□-12V
10	7.87	24	Wire	L5032□-ND	3.38	68.56	198.39	2191U□-24V
	7.87	12	4.75mm Terminal	L5033□-ND	3.55	71.85	207.91	2191QU□-12V
	7.87	24	4.75mm Terminal	L5034□-ND	3.55	71.85	207.91	2191QU□-24V

For □ in Digi-Key Part No. choose one of the following: 1=Red; 5=Green; 7=Yellow

Fig. 1

Mounting: Will snap-fit in 6.32/6.45mm dia. hole in panels .79/1.57mm thick. **Wire Leads:** 24 AWG, 152.40mm long. **Housing:** Black nylon. **Anods:** (+): Red lead. **Anode for L10008-ND:** (+): Yellow lead for red light, blue lead for green light.

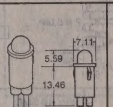


Fig. 2

Mounting: Will snap-fit in 6.32/6.45mm dia. hole in panels .79/1.57mm thick. **Terminals:** .51mm Sq. **Housing:** Black nylon.

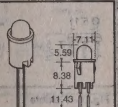


Fig. 3

Mounting: Will snap-fit in 3.94/4.01mm dia. hole in panels .79/1.57mm thick. **Wire Leads:** 24 AWG, 152.40mm long, stripped 4.57/8.13mm. **Anode** (+): Red lead. **Housing:** Black nylon.

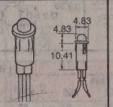


Fig. 4

Mounting: Will snap-fit in 3.94/4.01mm dia. hole in panels .79/1.57mm thick. **Terminals:** .51mm Sq. **Housing:** Black nylon.

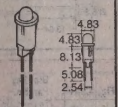


Fig. 5

Mounting: Will snap-fit into 4.75/4.88mm diameter hole in panel .51/2.46mm thick. **Wire Leads:** 26 AWG, 111.76/121.92mm long stripped. **Anode** (+): Red lead. **Lens:** Polycarbonate. **Housing:** Polycarbonate.

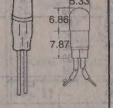


Fig. 6

Mounting: Will snap-fit into 7.92/8.05mm dia. hole in panel .51/2.49mm thick. **Wire Leads:** 24 AWG, 111.76/121.92mm long, stripped: 10.92/14.48mm. **Anode** (+): Red lead. **Lens:** Polycarbonate. **Housing:** Natural nylon.

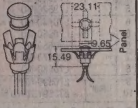


Fig. 7

Mounting: Will snap-fit into 5.51/5.61mm dia. hole in panels .79/1.57mm thick. **Wire Leads:** 26 AWG, 111.76/121.92mm long stripped. **Anode** (+): Red lead. **Lens:** Polycarbonate. **Housing:** White nylon.

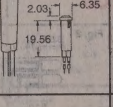


Fig. 8

Wire Leads: 22 AWG, 111.76/121.92mm long, stripped: 10.92/14.48mm. **Anode** (+) Red Lead or Quick Connect 4.75mm Term Anode (+) marked above terminal

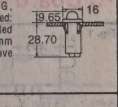


Fig. 9

Wire Leads: 22 AWG, 111.76/121.92mm long, stripped: 10.92/14.48mm. **Anode** (+) Red Lead or Quick Connect 4.75mm Term Anode (+) marked above terminal with speed nut

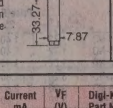
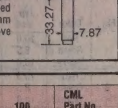


Fig. 10

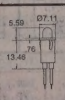
Wire Leads: 22 AWG, 111.76/121.92mm long, stripped: 10.92/14.48mm. **Anode** (+) Red Lead or Quick Cohnect 4.75mm Term Anode (+) marked above terminal with speed nut



Flashers

Series 5100H Flasher

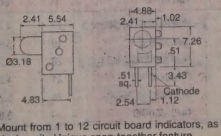
Features: • Built-in flashing circuit • Flashing rate: 1.5 - 2.5 Hz • No external resistor required **Mounting:** Will snap fit in 6.32/6.45mm dia. hole in panels .79/1.57mm. **Wire Leads:** No. 24 AWG, 152.40mm insulated, bonded strands, stripped 12.70mm. **Anode** (+): Red Lead **Housing:** Black Nylon



Color	IV mcd	Current mA	VF (V)	Digi-Key Part No.	Pricing 1	25	100	CML Part No.
Red	12.5	20	13	L20691-ND	2.41	48.76	141.10	5100H1FL
Green	8.0	20	13	L20695-ND	2.41	48.76	141.10	5100H5FL
Yellow	12.5	20	13	L20697-ND	2.41	48.76	141.10	5100H7FL

T1 Modular LEDs

Features: • Mount up to 12 LEDs in one operation • Unitized vibration resistant package • Black housing for high contrast background • Wide viewing angle • Vertical or horizontal positioning • Interlocking construction • Hi brite diffused LEDs • Speeds mounting for increased productivity and reduced cost



Mount from 1 to 12 circuit board indicators, as a single unit. Unique snap-together feature.

LED/Lens	Forward Voltage Typ. IF=(mA)		Min. V_R	Max. I_F (mA)	Typ. I_O (mcd)	View Angle	Digi-Key Part No.	1	Pricing 25	100	CML Part No.
Red/Clear	2.2	20	5.0	30	60.0	40°	CMC01R-ND	.51	10.34	29.92	CMC01R
Yellow/Clear	2.2	20	5.0	20	60.0	40°	CMC01Y-ND	.51	10.34	29.92	CMC01Y
Green/Clear	2.2	20	5.0	30	60.0	40°	CMC01G-ND	.51	10.34	29.92	CMC01G
Red/Diff.	2.0	20	5.0	30	20.0	90°	CMW01R-ND	.70	14.10	40.80	CMW01R
Yellow/Diff.	2.1	20	5.0	30	12.5	90°	CMW01Y-ND	.70	14.10	40.80	CMW01Y
Green/Diff.	2.2	20	5.0	30	12.5	90°	CMW01G-ND	.70	14.10	40.80	CMW01G

CML
INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

Optical Light Pipes for SMD-Style LED

Fig. 1

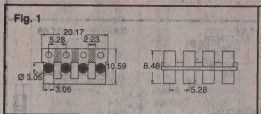


Fig. 2

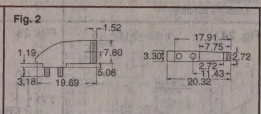


Fig. 3

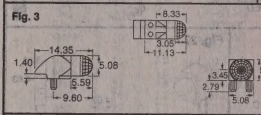


Fig. 4

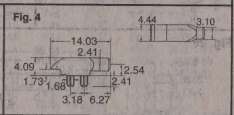


Fig. 5

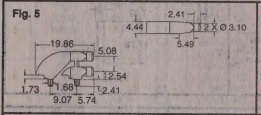


Fig. 6

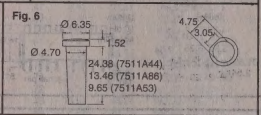


Fig. 7

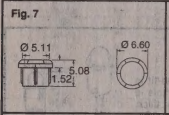


Fig. 8

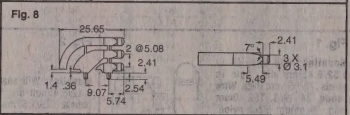


Fig. 9 – Flexible Light Pipe

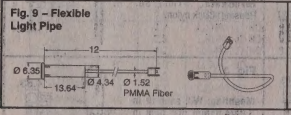


Fig. 10 SMD

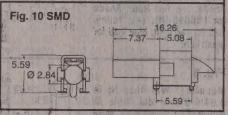


Fig.	Color	Digi-Key Part No.	1	25	100	250	500	Tape & Reel* Pricing 700	CML Part No.
1		L71200-ND	1.67	1.36	.98	.87	.83	—	7640D2
2		L71300-ND	.41	.34	.25	.22	.21	—	7610D2
3	Clear	L71400-ND	1.01	.82	.60	.53	.51	—	7511G2
4		L70510-ND	.64	.52	.38	.33	.32	—	7511A85
5		L70520-ND	.70	.57	.41	.36	.35	—	7511A82
6		L70540-ND	.64	.52	.38	.34	.32	—	7511A44
6		L70550-ND	.58	.47	.34	.30	.29	—	7511A86
6	Clear	L70560-ND	.61	.50	.36	.32	.31	—	7511A53
7		L70570-ND	.58	.47	.34	.30	.29	—	7511A18
8		L70580-ND	.64	.52	.38	.34	.32	—	7511B11
9	Clear	L70590-ND	2.28	1.85	1.34	1.18	1.14	—	7512FPR-305
10	Clear	L70591CT-ND†	1.40	1.20	1.00	—	—	420.00	7520A10-TR

* For Tape & Reel part number, change CT-ND to TR-ND † Cut Tape Price

PC Board Mount T-1 LEDs

Fig. 1

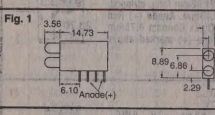


Fig. 2

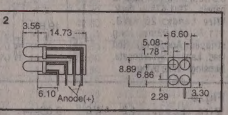
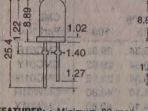


Fig.	Color	Typ. mcd	mA	Forward Voltage Typ. (V)	Digi-Key Part No.	1	Price Each 25	100	CML Part No.
1	Red	10.0	10	2.2	L206011-ND	1.72	1.40	1.01	5682F1;1
	Green	8.5	10	2.3	L206055-ND	1.72	1.40	1.01	5682F5;5
	Yellow	10.0	10	2.2	L206077-ND	1.72	1.40	1.01	5682F7;7
2	Red	10.0	10	2.2	L206111-ND	3.20	2.60	1.88	5684F1;1;1;1
	Green	8.5	10	2.3	L206555-ND	3.20	2.60	1.88	5684F5;5;5;5
	Yellow	10.0	10	2.2	L206777-ND	3.20	2.60	1.88	5684F7;7;7;7

LEDs

T1-3/4 UltraBright

HLMP With Stand-off



FEATURES: • Minimum 80 mcd. • Pale tint avoids mix problems • With or without stand-off

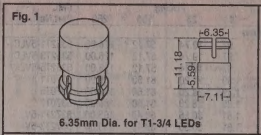
† With Stand-off

Lens Color	Source Color	Pd (mW)	Min. Iv mcd	Max. VF (V)	Typ. lp (nm)	View Angle	Digi-Key Part No.	1	Pricing 25	100	CML Part No.
Clear †	Hi. Eff. Red	135	80	2.2	635	24°	HLMP3750ACM-ND	.23	4.70	13.60	HLMP-3750A
Clear	Hi. Eff. Red	135	80	2.2	635	24°	CMD3750-ND	.19	3.88	11.22	CMD3750
Clear †	Hi. Eff. Green	135	80	2.2	565	24°	HLMP3950ACM-ND	.26	5.35	15.47	HLMP-3950A
Clear	Hi. Eff. Green	135	80	2.2	565	24°	CMD3450-ND	.21	4.23	12.24	CMD3450
Clear †	Yellow	85	80	2.2	585	24°	HLMP3850ACM-ND	.26	5.35	15.47	HLMP-3850A
Clear	Yellow	85	80	2.2	585	24°	CMD3350-ND	.19	3.88	11.22	CMD3350

LED Lenses

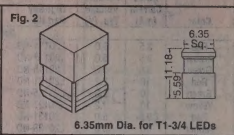
These LED lenses provide quick, economical panel mounting as well as ESD protection. Molded in Fre rings provide a wide viewing angle.

Fig. 1



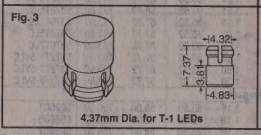
6.35mm Dia. for T1-3/4 LEDs

Fig. 2



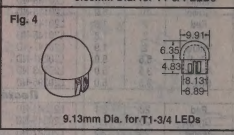
6.35mm Dia. for T1-3/4 LEDs

Fig. 3



4.37mm Dia. for T-1 LEDs

Fig. 4

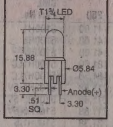


9.13mm Dia. for T-1 3/4 LEDs

Fig.	Digi-Key Part No.	1	Price Each 25	100	250	CML Part No.
1	L3000□-ND	.31	.25	.19	.16	431□
2	L3001□-ND	.39	.32	.23	.20	432□
3	L3002□-ND	.33	.27	.20	.17	433□
4	L3003□-ND	.39	.32	.23	.20	434□

For □ in Digi-Key® Part No., choose one of the following: 1=Red; 2=Clear; 3=Amber; 5=Green; 6=Blu 7=Yellow

Circuit Board Indicators

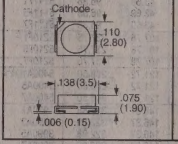


Color	Typ. mcd	Rated Current mA	Forward Volt Typ. (V)	Digi-Key Part No.	1	Price Each 25	100	CML Part No.
Red	6.3	.10	2.0	L20651-ND	.79	.64	.47	5340H1
Green	10	.10	2.2	L20655-ND	.79	.64	.47	5340H5
Yellow	6.3	.10	2.2	L20657-ND	.79	.64	.47	5340H7
Red	2.3	2	1.8	L20661-ND	.88	.72	.52	5340H1L
Green	2.3	2	1.8	L20665-ND	.88	.72	.52	5340H5L
Yellow	2.1	2	1.9	L20667-ND	.88	.72	.52	5340H7L

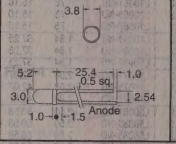
Bright•White™ LEDs

• Peak Forward Current: Surface Mount: 100mA Through-Hole: 80mA • Continuous Forward Curr Surface Mount: 30mA Through-Hole: 25mA • Emitted Color: White • Lens Color: Water Clear

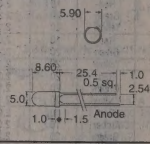
SMD Package



T-1 Package



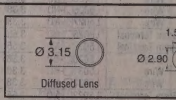
T-1¾ Package



Pkg. Type	VF Typ.	mcd Typ.	IF (mA) Typ.	View Angle	Digi-Key Part No.	1	Price Each 10	100	T & R* Pricing 2,000	CML Part No.
SMD	3.6	170	20	100°	CMD67-21UWCCT-ND†	2.40	2.22	2.00	1500.00/M	CMD67-21UWC/T
T-1	3.70	1000	20	20°	CMD204UWC-ND	2.40	2.22	2.00	—	CMD204UWC
T1-3/4	3.75	2300	20	20°	CMD333UWC-ND	2.40	2.22	2.00	—	CMD333UWC

* For Tape and Reel part number, change CT-ND to TR-ND † Cut Tape Price

High Brightness LED



Dia. (mm)	Color	Wave-length (nm)	VF Typ (V)	IF Typ (mA)	IV Typ (mcd)	Digi-Key Part No.	1	Price Each 25	100	CML Part No.
3	Blue	430	5	20	100	L14006-ND	1.48	1.21	.88	CMD264-UB

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Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

Surface Mount LEDs

Fig.	Wave-length	Color	Lens Color	TYP mcd	Forward Voltage TYP @ mA		Digi-Key Part No.	Cut Tape Price Each 1	10	100	Tape & Reel Pricing *	CML Part No.
CMD11-21 Series												
1	640	Red	Clear	6	2.0	20	L62001CT-ND	.29	.25	.21	246.00/2,000	CMD11-21VRC/TR8
	570	Green	Clear	7.5	2.1	20	L62005CT-ND	.29	.25	.21	246.00/2,000	CMD11-21VGC/TR8
	585	Yellow	Clear	6	2.0	20	L62007CT-ND	.29	.25	.21	246.00/2,000	CMD11-21VYC/TR8
	660	Super Red	Clear	17	1.7	20	L62011CT-ND	.29	.25	.21	246.00/2,000	CMD11-21SRC/TR8
CMDA1 Series												
1	660	Red	Clear	33.6	1.7	20	L71501CT-ND	.27	.23	.19	285.00/2,500	CMDA1DR7A1Z
	580	Yellow	Clear	6.0	2.2	20	L71502CT-ND	.27	.23	.19	285.00/2,500	CMDA1CY7A1Z
	570	Yellow	Clear	24.0	2.1	20	L71503CT-ND	.27	.23	.19	285.00/2,500	CMDA1AY7A1Z
	560	Green	Clear	12.0	2.1	20	L71504CT-ND	.27	.23	.19	285.00/2,500	CMDA1CG7A1Z
CMD12-21 Series												
2	640	Red	Clear	5	2.0	20	L62101CT-ND	.30	.26	.22	255.00/2,000	CMD12-21VRC/TR8
	570	Green	Clear	8.8	2.1	20	L62105CT-ND	.30	.26	.22	255.00/2,000	CMD12-21VGC/TR8
	585	Yellow	Clear	3	2.0	20	L62107CT-ND	.30	.26	.22	255.00/2,000	CMD12-21VYC/TR8
	660	Super Red	Clear	12.4	1.7	20	L62111CT-ND	.39	.34	.28	336.00/2,000	CMD12-21SRC/TR8
	570	Ultra Green	Clear	14.9	2.1	20	L62115CT-ND	.39	.34	.28	336.00/2,000	CMD12-21UGC/TR8
CMDA7 Series												
2	580	Yellow	Clear	3.0	2.1	20	L71510CT-ND	.27	.23	.19	—	CMDA7CY7A1Z
	570	Yellow	Clear	8.8	2.1	20	L71511CT-ND	.27	.23	.19	—	CMDA7AY7A1Z
CMD15-21 Series												
3	640	Red	Clear	6	2.0	20	L62201CT-ND	.26	.25	.21	243.00/2,000	CMD15-21VRC/TR8
	570	Green	Clear	10	2.1	20	L62205CT-ND	.26	.23	.19	222.00/2,000	CMD15-21VGC/TR8
	430	Ultra Blue	Clear	45	4.9	20	L62206CT-ND	2.76	2.31	1.93	2310.00/2,000	CMD15-21UBC/TR8
	581	Yellow	Clear	6	2.0	20	L62207CT-ND	.29	.25	.21	249.00/2,000	CMD15-21VYC/TR8
	660	Super Red	Clear	15	1.7	20	L62211CT-ND	.35	.30	.25	300.00/2,000	CMD15-21SRC/TR8
	565	Ultra Green	Clear	12	2.1	20	L62215CT-ND	.32	.28	.23	273.00/2,000	CMD15-21UGC/TR8
	640	Red	Diff	4	2.0	20	L62301CT-ND	.23	.20	.17	198.00/2,000	CMD15-21VRD/TR8
	570	Green	Diff	6.5	2.1	20	L62305CT-ND	.23	.20	.17	198.00/2,000	CMD15-21VGD/TR8
	585	Yellow	Diff	4	2.0	20	L62307CT-ND	.23	.20	.17	198.00/2,000	CMD15-21VYD/TR8
CMD15-22 Series												
4	640/570	Red/Grn.	Clear	6.0/10.0	2.0/2.1	20	L622015CT-ND	.54	.46	.39	459.00/2,000	CMD15-22VRVGC/TR8
	660/565	Red/Grn.	Clear	15.0/12.0	1.7/2.1	20	L62211155CT-ND	.64	.55	.46	546.00/2,000	CMD15-22RUGC/TR8
CMD17-21 Series												
5	640	Red	Clear	13	2.0	20	L62401CT-ND	.23	.20	.17	297.00/3,000	CMD17-21VRC/TR8
	570	Green	Clear	35	2.1	20	L62405CT-ND	.23	.20	.17	297.00/3,000	CMD17-21VGC/TR8
	585	Yellow	Clear	12	2.0	20	L62407CT-ND	.23	.20	.17	297.00/3,000	CMD17-21VYC/TR8
	660	Super Red	Clear	45	1.7	20	L62411CT-ND	.39	.34	.28	504.00/3,000	CMD17-21SRC/TR8
	570	Ultra Green	Clear	15.0	2.1	20	L62415CT-ND	.26	.23	.19	333.00/3,000	CMD17-21UGC/TR8
	640	Red	Diff	6.0	2.0	20	L62501CT-ND	.26	.23	.19	333.00/3,000	CMD17-21VRD/TR8
	570	Green	Diff	7.0	2.1	20	L62505CT-ND	.25	.22	.18	324.00/3,000	CMD17-21VGD/TR8
	585	Yellow	Diff	4	2.0	20	L62507CT-ND	.29	.25	.21	373.50/3,000	CMD17-21VYD/TR8
CMDA5 Series												
6	660	Red	Clear	11.7	1.7	20	L71505CT-ND	.27	.23	.19	456.00/4,000	CMDA5DR7D1Z
	580	Yellow	Clear	3.7	2.2	20	L71506CT-ND	.27	.23	.19	456.00/4,000	CMDA5CY7D1Z
	570	Yellow	Clear	11.7	2.1	20	L71507CT-ND	.27	.23	.19	456.00/4,000	CMDA5AY7D1Z
	560	Green	Clear	6.4	2.1	20	L71508CT-ND	.27	.23	.19	456.00/4,000	CMDA5CG7D1Z
7	637	Red	Diff	90	1.9	20	L71514CT-ND	.30	.27	.22	522.00/4,000	CMDA5AR7D1S
	630	Hi. Eff. Red	Diff	10	2.1	20	L71516CT-ND	.27	.23	.19	—	CMDA5BR7D1S
	609	Orange	Diff	90	1.9	20	L71515CT-ND	.30	.27	.22	—	CMDA5BA7D1S
	605	Orange	Diff	8.0	2.2	20	L71513CT-ND	.27	.23	.19	—	CMDA5AA7D1S
	595	Amber	Diff	90	1.9	20	L71517CT-ND	.30	.27	.22	522.00/4,000	CMDA5DY7D1S
CMD28-21 Series												
8	640	Red	Clear	3	2.0	20	L62601CT-ND	.30	.27	.22	261.00/2,000	CMD28-21VRC/TR8
	570	Green	Clear	5.5	2.1	20	L62605CT-ND	.30	.27	.22	261.00/2,000	CMD28-21VGC/TR8
	660	Super Red	Clear	17	1.7	20	L62611CT-ND	.36	.31	.26	306.00/2,000	CMD28-21SRC/TR8
	640	Red	Clear	0.16	2.0	1	L62701CT-ND	.31	.27	.23	267.00/2,000	CMD28-21VRC/TR8/T1
	570	Green	Clear	0.16	2.1	1	L62705CT-ND	.31	.27	.23	267.00/2,000	CMD28-21VGC/TR8/T1
	660	Super Red	Clear	1.6	1.7	1	L62711CT-ND	.42	.36	.30	357.00/2,000	CMD28-21SRC/TR8/T1
CMD67-21 Series												
9	640	Red	Clear	10	2.0	20	L62801CT-ND	.43	.38	.31	372.00/2,000	CMD67-21VRC/TR8
	570	Green	Clear	25	2.1	20	L62805CT-ND	.34	.29	.24	288.00/2,000	CMD67-21VGC/TR8
	585	Yellow	Clear	10	2.0	20	L62807CT-ND	.38	.33	.28	327.00/2,000	CMD67-21VYC/TR8
	660	Super Red	Clear	40	1.7	20	L62811CT-ND	.49	.42	.35	420.00/2,000	CMD67-21SRC/TR8
	560	Ultra Red	Clear	62	1.7	20	L628111CT-ND†	.70	.61	.51	603.00/2,000	CMD67-21URC/TR8
CMD67-22 Series												
10	640/570	Red/Grn.	Clear	10.0/25.0	2.0/2.1	20	L628015CT-ND	.90	.78	.65	771.00/2,000	CMD67-22VRVGC/TR8
	660/565	Red/Grn.	Clear	40.0/25.0	1.7/2.1	20	L6281115CT-ND	.90	.78	.65	771.00/2,000	CMD67-22SRUGC/TR8
CMD91-21/TR7 Series												
11	640	Red	Clear	80	2.0	20	L62901CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VRC/TR7
	565	Green	Clear	50	2.1	20	L62905CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VGC/TR7
	585	Yellow	Clear	30	2.0	20	L62907CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VYC/TR7
	660	Super Red	Clear	170	1.7	20	L62911CT-ND	.38	.33	.28	163.50/1,000	CMD91-21SRC/TR7
CMD91-21/TR9 Series												
12	640	Red	Clear	80	2.0	20	L63001CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VRC/TR9
	565	Green	Clear	50	2.1	20	L63005CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VGC/TR9
	585	Yellow	Clear	30	2.0	20	L63007CT-ND	.38	.33	.27	162.00/1,000	CMD91-21VYC/TR9
	660	Super Red	Clear	170	1.7	20	L63011CT-ND	.38	.33	.28	163.50/1,000	CMD91-21SRC/TR9
CMD91-21/TR10 Series												
13	640	Red	Clear	80	2.0	20	L63101CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VRC/TR10
	565	Green	Clear	50	2.1	20	L63105CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VGC/TR10
	585	Yellow	Clear	30	2.0	20	L63107CT-ND	.33	.29	.24	142.50/1,000	CMD91-21VYC/TR10
	660	Super Red	Clear	170	1.7	20	L63111CT-ND	.38	.33	.28	163.50/1,000	CMD91-21SRC/TR10
CMD93-21/F8 Series												
14	640	Red	Clear	12	2.0	20	L63201CT-ND	.43	.37	.31	369.00/2,000	CMD93-21VRC/TR8
	570	Green	Clear	25	2.1	20	L63205CT-ND	.38	.33	.28	327.00/2,000	CMD93-21VGC/TR8
CMD93-22/F8 Series												
15	660/570	Red/Grn.	Clear	40.0/20.0	1.7/2.1	20	L632115CT-ND	.81	.70	.58	348.00/1,000	CMD93-22SRVGC/TR8
CMD95-21/TR7 Series												
16	640	Red	Clear	25	2.0	20	L63301CT-ND	.33	.29	.24	142.50/1,000	CMD95-21VRC/TR7
	570	Green	Clear	19.5	2.1	20	L63305CT-ND	.35	.30	.25	150.00/1,000	CMD95-21VGC/TR7
	585	Yellow	Clear	25	2.0	20	L63307CT-ND	.35	.30	.25	150.00/1,000	CMD95-21VYC/TR7
	660	Super Red	Clear	100	1.7	20	L63311CT-ND	.38	.33	.28	163.50/1,000	CMD95-21SRC/TR7
CMD95-21/TR9 Series												
17	640	Red	Clear	25	2.0	20	L63401CT-ND	.33	.29	.24	142.50/1,000	CMD95-21VRC/TR9
	570	Green	Clear	19.5	2.1	20	L63405CT-ND	.35	.30	.25	150.00/1,000	CMD95-21VGC/TR9
CMD95-21/TR10 Series												
18	640	Red	Clear	25	2.0	20	L63501CT-ND	.37	.32	.27	157.50/1,000	CMD95-21VRC/TR10
	570	Green	Clear	19.5	2.1	20	L63505CT-ND	.35	.30	.25	150.00/1,000	CMD95-21VGC/TR10
	585	Yellow	Clear	25	2.0	20	L63507CT-ND	.38	.33	.28	163.50/1,000	CMD95-21VYC/TR10
	660	Super Red	Clear	100	1.7	20	L63511CT-ND	.38	.33	.28	163.50/1,000	CMD95-21SRC/TR10

* For Tape and Reel part number, change CT-ND to TR-ND.

Fig. 1

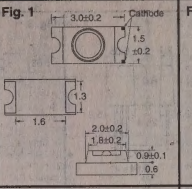


Fig. 2

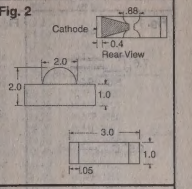


Fig. 3 — 1206

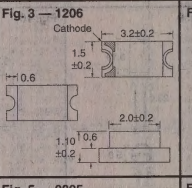


Fig. 4

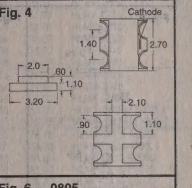


Fig. 5 — 0805

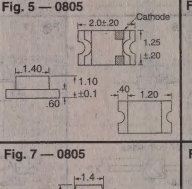


Fig. 6 — 0805

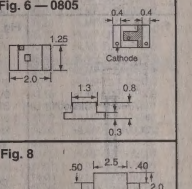


Fig. 7 — 0805

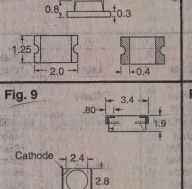


Fig. 8

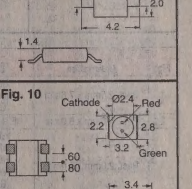
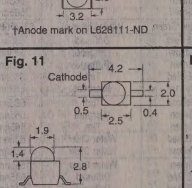


Fig. 9



†Anode mark on L628111-ND

Fig. 10

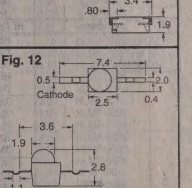


Fig. 11

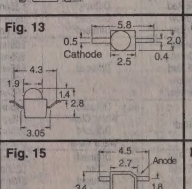


Fig. 12

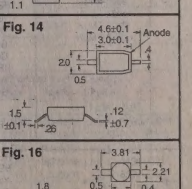


Fig. 13

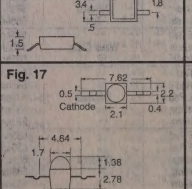


Fig. 14

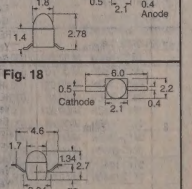


Fig. 15

Fig. 16

Fig. 17

Fig. 18

Dimensions in mm

Fig. 1

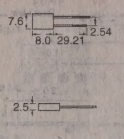


Fig. 2

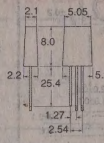


Fig. 3

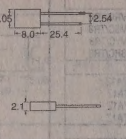


Fig. 4

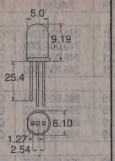


Fig. 5

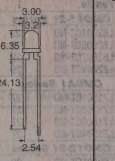


Fig. 6

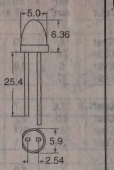


Fig. 7

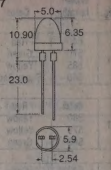


Fig. 8

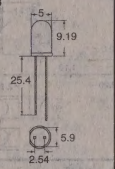


Fig. 9

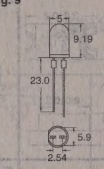
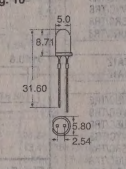


Fig. 10



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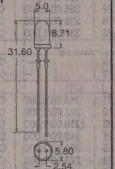


Fig. 12

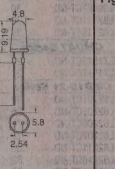


Fig. 13

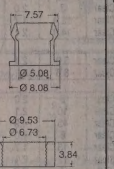


Fig. 14

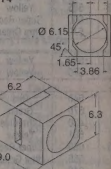


Fig. 15

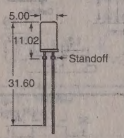


Fig. 16

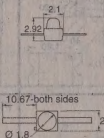


Fig. 17

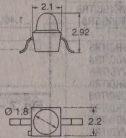


Fig. 18

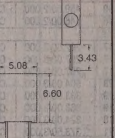


Fig. 19

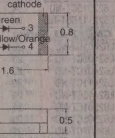


Fig. 20

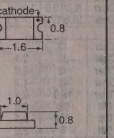
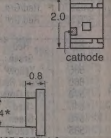


Fig. 21



*HSMC-S670-1.3
HSMA-S670-1.3

Fig.	Description	Color	Lens	Peak Length	Forward Voltage	Forward Current	Luminous Intensity mcd @ Current	Viewing Angle	Digi-Key Part No.	Pricing 1	10	100	Avago Part No.
1	Rect. 2.5mm x 7.6mm	HE Red	Diffused	635nm	1.9V	30mA	2.1 min. 20mA	100°	516-1277-ND	.90	5.20	38.00	HLMP-0301
		Yellow		583nm	2.1V	20mA	3.6 min. 20mA	100°	516-1278-ND	.90	5.20	38.00	HLMP-0401
		Green		565nm	2.2V	30mA	2.6 min. 20mA	100°	516-1279-ND	.90	5.20	38.00	HLMP-0504
2	Rect. 2.0mm x 5.0mm	HE Red/Green	White/Diffused	635/568nm	1.9V/2.2V	30mA	2.1/2.6 20mA	100°	516-1280-ND	.95	5.72	41.80	HLMP-0800
3	Rect. 2.0mm x 5.0mm	Red	Diffused	645nm	1.8V	30mA	7.5 20mA	110°	516-1281-ND◆	.51	3.00	20.00	HLMP-S100
		HE Red		635nm	1.9V	30mA	7.5 20mA	110°	516-1282-ND	.36	2.04	13.20	HLMP-S201
		HE Red		635nm	1.9V	30mA	3.5 20mA	110°	516-1283-ND	.35	2.04	13.20	HLMP-S201-D0000
		Yellow		583nm	2.1V	20mA	4 20mA	110°	516-1284-ND	.36	2.04	13.20	HLMP-S301
		Green		565nm	2.2V	30mA	8 20mA	110°	516-1285-ND◆	.36	2.04	13.20	HLMP-S501
		Green		565nm	2.2V	30mA	4 20mA	110°	516-1286-ND	.36	2.04	13.20	HLMP-S501-C0000
4	5mm	HE Red/Green	White/Diffused	635/568nm	1.9V/2.2V	30mA	2.1/4.2 10mA	65°	516-1287-ND◆	.72	4.20	29.25	HLMP-4000
5	3mm	HE Red	Diffused	635nm	1.9V	30mA	5.5 10mA	60°	516-1291-ND◆	.36	2.04	13.20	HLMP-1301
		Yellow	Diffused	583nm	2.0V	20mA	6 10mA	60°	516-1292-ND◆	.36	2.04	13.20	HLMP-1401
		Green	Diffused	565nm	2.1V	30mA	5 10mA	60°	516-1293-ND◆	.36	2.04	13.20	HLMP-1503
		HE Red	Tint	635nm	1.9V	30mA	30 10mA	45°	516-1294-ND	.36	2.04	13.20	HLMP-1321
		Yellow	Microtint	583nm	2.0V	20mA	15 10mA	45°	516-1295-ND	.51	3.00	20.00	HLMP-1420
		Yellow	Tint	583nm	2.0V	20mA	15 10mA	45°	516-1296-ND	.36	2.04	13.20	HLMP-1421
		Green	Microtint	565nm	2.1V	30mA	22 10mA	45°	516-1297-ND	.51	3.00	20.00	HLMP-1520
		Green	Tint	565nm	2.1V	30mA	22 10mA	45°	516-1298-ND	.36	2.04	13.20	HLMP-1521
		HE Red	Water Clear	635nm	1.9V	30mA	55 20mA	45°	516-1299-ND	.45	2.56	16.80	HLMP-1340
		Yellow	Water Clear	583nm	2.1V	20mA	45 20mA	45°	516-1300-ND◆	.45	2.56	16.80	HLMP-1440
		Green	Water Clear	565nm	2.2V	30mA	45 20mA	45°	516-1301-ND	.45	2.56	16.80	HLMP-1540
		HE Red	Diffused	635nm	5.0V	20mA	8 10mA	60°	516-1302-ND	.72	4.20	29.25	HLMP-1600
		HE Red	Diffused	635nm	12.0V	20mA	8 13mA	60°	516-1303-ND	.72	4.20	29.25	HLMP-1601
		Yellow	Diffused	583nm	5.0V	20mA	8 10mA	60°	516-1304-ND	.72	4.20	29.25	HLMP-1620
		Yellow	Diffused	583nm	12.0V	20mA	8 13mA	60°	516-1305-ND	.76	4.48	31.20	HLMP-1621
		Green	Diffused	565nm	5.0V	20mA	8 10mA	60°	516-1306-ND◆	.72	4.20	29.25	HLMP-1640
		Green		565nm	12.0V	20mA	8 13mA	60°	516-1307-ND	.72	4.20	29.25	HLMP-1641
		HE Red		635nm	1.7V	7mA	2.1 2mA	50°	516-1308-ND◆	.51	3.00	20.00	HLMP-1700
		Yellow		583nm	1.8V	7mA	2.1 2mA	50°	516-1309-ND◆	.51	3.00	20.00	HLMP-1719
		Green		565nm	1.9V	7mA	2.3 2mA	50°	516-1310-ND◆	.51	3.00	20.00	HLMP-1790
		Red	Diffused	645nm	1.8V	30mA	2 1mA	60°	516-1311-ND◆	.51	3.00	20.00	HLMP-K150
			Water Clear	645nm	1.8V	30mA	3 1mA	45°	516-1312-ND◆	.60	3.48	24.00	HLMP-K155
			Diffused	645nm	1.8V	30mA	45 20mA	60°	516-1313-ND	.51	3.00	20.00	HLMP-K101
			Water Clear	645nm	1.8V	30mA	65 20mA	45°	516-1314-ND	.45	2.56	16.80	HLMP-K105
6	5mm	HE Red	Diffused	635nm	1.9V	10mA	7 10mA	50°	516-1315-ND	.60	3.48	24.00	HLMP-3351
		HE Red	Tint	635nm	1.9V	10mA	18 10mA	45°	516-1316-ND	.60	3.48	24.00	HLMP-3366
		Yellow	Diffused	583nm	2.0V	10mA	10 10mA	50°	516-1317-ND	.60	3.48	24.00	HLMP-3451
		Green	Diffused	565nm	2.1V	10mA	10 10mA	50°	516-1318-ND	.60	3.48	24.00	HLMP-3554
		Green	Tint	565nm	2.1V	10mA	15 10mA	40°	516-1319-ND	.60	3.48	24.00	HLMP-3568
7	5mm	HE Red	Water Clear	635nm	1.9V	30mA	55 20mA	32°	516-1320-ND	.60	3.48	24.00	HLMP-3390
		Yellow		583nm	2.1V	20mA	55 20mA	32°	516-1321-ND	.60	3.48	24.00	HLMP-3490
		Green		565nm	2.2V	30mA	55 20mA	32°	516-1322-ND	.60	3.48	24.00	HLMP-3590
8	5mm	Red	Diffused	645nm	1.6V	30mA	3 1mA	65°	516-1323-ND	.51	3.00	20.00	HLMP-D150
		Red		645nm	1.8V	30mA	70 20mA	65°	516-1324-ND◆	.45	2.56	16.80	HLMP-D101
		HE Red		635nm	1.7V	7mA	2.3 2mA	50°	516-1325-ND	.51	3.00	20.00	HLMP-4700
		Yellow		583nm	1.8V	7mA	2.1 2mA	50°	516-1326-ND	.51	3.00	20.00	HLMP-4719
		Green		565nm	1.9V	7mA	2.3 2mA	50°	516-1327-ND◆	.51	3.00	20.00	HLMP-4740
		HE Red	Diffused	635nm	1.9V	30mA	7 10mA	60°	516-1328-ND	.36	2.04	13.20	HLMP-3301
		HE Red		635nm	1.9V	30mA	12 10mA	60°	516-1329-ND	.60	3.48	24.00	HLMP-3762
		Orange		600nm	1.9V	30mA	5.4 10mA	60°	516-1330-ND	.36	2.04	13.20	HLMP-0401
		Yellow		583nm	2.0V	20mA	8 10mA	60°	516-1331-ND	.36	2.04	13.20	HLMP-3401
		Yellow		583nm	2.0V	20mA	9.2 10mA	60°	516-1332-ND	.60	3.48	24.00	HLMP-3862

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Fig.	Description	Color	Lens	Peak Length	Forward Voltage	Forward Current	Luminous Intensity mcd @ Current		Viewing Angle	Digi-Key Part No.	Pricing 1	10	100	Avago Part No.
8	5mm	Green	Diffused	565nm	2.1V	30mA	5.2	10mA	60°	516-1333-ND◆	.36	2.04	13.20	HLMP-3507
		Green	Diffused	565nm	2.1V	30mA	14	10mA	60°	516-1334-ND	.60	3.48	24.00	HLMP-3962
		HE Red	Tint	635nm	1.9V	30mA	60	10mA	35°	516-1335-ND	.36	2.04	13.20	HLMP-3316
		Yellow	Tint	583nm	2.0V	20mA	50	10mA	35°	516-1336-ND	.36	2.04	13.20	HLMP-3416
		Green	Tint	565nm	2.1V	30mA	70	10mA	24°	516-1337-ND	.36	2.04	13.20	HLMP-3519
9	5mm	Red	Water Clear	645nm	1.6V	30mA	10	1mA	24°	516-1338-ND	.60	3.48	24.00	HLMP-D155
		HE Red	Diffused	635nm	5.0V	20mA	8	10mA	60°	516-1339-ND◆	.72	4.20	29.25	HLMP-3600
		HE Red	Diffused	635nm	12.0V	20mA	8	13mA	60°	516-1340-ND◆	.72	4.20	29.25	HLMP-3601
		Yellow	Diffused	583nm	5.0V	20mA	8	10mA	60°	516-1341-ND	.72	4.20	29.25	HLMP-3650
		Yellow	Diffused	583nm	12.0V	20mA	8	13mA	60°	516-1342-ND	.72	4.20	29.25	HLMP-3651
		Green	Diffused	565nm	5.0V	20mA	8	10mA	60°	516-1343-ND	.72	4.20	29.25	HLMP-3680
		Red	Water Clear	645nm	1.8V	30mA	240	20mA	24°	516-1344-ND◆	.45	2.56	16.80	HLMP-D105
		HE Red	Water Clear	635nm	1.9V	30mA	125	20mA	24°	516-1345-ND◆	.60	3.48	24.00	HLMP-3750
		Yellow	Water Clear	583nm	2.1V	20mA	140	20mA	24°	516-1346-ND◆	.60	3.48	24.00	HLMP-3850
		Green	Water Clear	565nm	2.2V	30mA	265	20mA	24°	516-1347-ND◆	.80	3.48	24.00	HLMP-3950
10	5mm	Red	Tint	645nm	1.8V	30mA	600	20mA	15°	516-1348-ND	.60	3.48	24.00	HLMP-C115
		HE Red		635nm	1.9V	30mA	300	20mA	15°	516-1349-ND	.60	3.48	24.00	HLMP-C215
		HE Red		635nm	1.9V	30mA	170	20mA	25°	516-1350-ND	.60	3.48	24.00	HLMP-C223
		Orange		600nm	1.9V	30mA	300	20mA	15°	516-1351-ND	.60	3.48	24.00	HLMP-C415
		Yellow		583nm	2.1V	20mA	300	20mA	15°	516-1352-ND	.60	3.48	24.00	HLMP-C315
		Yellow	Tint	583nm	2.1V	20mA	170	20mA	25°	516-1353-ND◆	.60	3.48	24.00	HLMP-C323
		Green	Tint	568nm	2.2V	30mA	300	20mA	15°	516-1354-ND◆	.60	3.48	24.00	HLMP-C515
		Green	Tint	568nm	2.2V	30mA	170	20mA	25°	516-1355-ND	.60	3.48	24.00	HLMP-C523
		Green	Water Clear	524nm	3.8V	30mA	1,900 min.	20mA	15°	516-1356-ND	1.33	8.40	63.00	HLMP-CM15-S0000
		Green	Water Clear	524nm	3.5V	30mA	5,500 min.	20mA	15°	516-1357-ND	1.62	10.35	78.75	HLMP-CM15-W0000
		Green		524nm	3.5V	30mA	1,900 min.	20mA	30°	516-1358-ND	1.62	10.35	78.75	HLMP-CM30-S0000
		Green		524nm	3.8V	30mA	520 min.	20mA	30°	516-1359-ND	1.33	8.40	63.00	HLMP-CM30-M0000
		Blue	Water Clear	470nm	3.5V	30mA	1,500 min.	20mA	15°	516-1360-ND◆	1.33	8.40	63.00	HLMP-CB15-R0000
		Blue		470nm	3.8V	30mA	880 min.	20mA	15°	516-1361-ND◆	1.33	8.40	63.00	HLMP-CB15-P0000
		Blue		470nm	3.8V	30mA	310 min.	20mA	30°	516-1362-ND	1.33	8.40	63.00	HLMP-CB30-M0000
		Blue		470nm	3.8V	30mA	520 min.	20mA	30°	516-1363-ND	1.33	8.40	63.00	HLMP-CB30-M0000
		Red		639nm	2.0V	50mA	4,850	20mA	15°	516-1366-ND	.76	4.48	31.20	HLMP-ED16-TW000
		Red/Orange	Water Clear	623nm	2.08V	50mA	6,250	20mA	15°	516-1367-ND	.83	4.95	35.10	HLMP-EH16-UX000
		Amber		594nm	2.15V	50mA	8,100	20mA	15°	516-1368-ND◆	.80	4.76	33.15	HLMP-EL16-VY000
		Red		639nm	2.0V	50mA	4,850	20mA	23°	516-1369-ND	.83	4.95	35.10	HLMP-ED25-TW000
		Amber		594nm	2.15V	50mA	3,700	20mA	23°	516-1370-ND	.80	4.76	33.15	HLMP-EL25-SV000
		Red		639nm	2.0V	50mA	2,850	20mA	30°	516-1371-ND	.80	4.76	33.15	HLMP-ED31-RU000
		Red	Water Clear	639nm	2.0V	50mA	3,700	20mA	30°	516-1372-ND	.80	4.76	33.15	HLMP-ED31-SV000
		Red/Orange		623nm	2.08V	50mA	3,700	20mA	30°	516-1373-ND	.83	4.95	35.10	HLMP-EH31-SV000
		Amber		594nm	2.15V	50mA	3,700	20mA	30°	516-1374-ND	.80	4.76	33.15	HLMP-EL31-SV000
		Red		635nm	1.9V	50mA	16,000	20mA	6°	516-1375-ND	.60	3.48	24.00	HLMP-EG08-WZ000
		Red		635nm	1.9V	50mA	21,000	20mA	6°	516-1376-ND	.65	3.77	26.00	HLMP-EG08-X1000
		Red	Water Clear	635nm	1.9V	50mA	27,000	20mA	6°	516-1377-ND	.69	4.06	28.00	HLMP-EG08-Y2000
		Amber		592nm	2.02V	50mA	8,700	20mA	6°	516-1378-ND	.60	3.48	24.00	HLMP-EL08-VY000
		Red		635nm	1.9V	50mA	3,050	20mA	15°	516-1379-ND	.60	3.48	24.00	HLMP-EG15-RU000
		Red		635nm	1.9V	50mA	1,832.5	20mA	23°	516-1380-ND◆	.51	3.00	20.00	HLMP-EG24-PS000
		Red		635nm	1.9V	50mA	1,395	20mA	30°	516-1381-ND	.60	3.48	24.00	HLMP-EG30-NR000
		Amber	Water Clear	592nm	2.02V	50mA	840	20mA	30°	516-1382-ND	.60	3.48	24.00	HLMP-EL30-LP000
		Amber		592nm	2.02V	50mA	1,832.5	20mA	30°	516-1383-ND	.65	3.77	26.00	HLMP-EL30-PS000
		Red		635nm	1.9V	50mA	6,000	20mA	8°	516-1384-ND◆	.40	2.28	15.40	HLMP-EG08-UD000
		Red		635nm	1.9V	50mA	1,000	20mA	25°	516-1385-ND	.40	2.28	15.40	HLMP-D625-P0000
		Red		635nm	1.9V	50mA	3,000	20mA	8°	516-1386-ND	.40	2.28	15.40	HLMP-EG08-S0000
		Amber		594nm	1.9V	50mA	700	20mA	25°	516-1387-ND	.40	2.28	15.40	HLMP-D625-P0000
		Red	Water Clear	650nm	1.9V	50mA	4,850	20mA	15°	516-1468-ND	1.33	8.40	63.00	HLMP-CW15-TW000
		White		—	3.6V	30mA	1,690	20mA	30°	516-1469-ND◆	1.33	8.40	63.00	HLMP-CW30-PS000
		White		—	3.6V	30mA	1,690	20mA	30°	516-1469-ND◆	1.33	8.40	63.00	HLMP-CW30-PS000
11	5mm	Red	Water Clear	639nm	2.0V	50mA	4,850	20mA	23°	516-1388-ND◆	.83	4.95	35.10	HLMP-ED27-TW000
		Amber		594nm	2.15V	50mA	4,850	20mA	23°	516-1389-ND	.80	4.76	33.15	HLMP-EL27-TW000
		Red		639nm	2.0V	50mA	3,700	20mA	30°	516-1390-ND	.80	4.76	33.15	HLMP-ED33-SV000
		Amber		594nm	2.15V	50mA	3,700	20mA	30°	516-1391-ND	.80	4.76	33.15	HLMP-EL33-SV000
		White		—	3.6V	30mA	1,500 min.	20mA	15°	516-1392-ND	1.48	9.60	70.00	HLMP-CW16-R0000
12	5mm	HE Red	Water Clear	650nm	1.8V	30mA	1,000	20mA	8°	516-1393-ND◆	.60	3.48	24.00	HLMP-4101
13	Mounting Clip and Ring, for T-1 3/4 (5mm) Lamps									516-1394-ND	—	1.25	10.00	HLMP-0103
14	LED Housing, Right Angle Snap-In									516-1395-ND◆	—	2.25	18.00	HLMP-5029
15	With standoff			—	3.2V	20mA	880	20mA	170°	516-1699-ND◆	1.05	7.77	65.10	HLMP-FW67-LP000
	With standoff	White	Clear	—	3.2V	20mA	1,500	20mA	170°	516-1708-ND◆ **NEW!**	1.05	7.77	65.10	HLMP-FW67-MQ000
	Without standoff			—	3.2V	20mA	1,500	20mA	170°	516-1707-ND◆ **NEW!**	1.05	7.77	65.10	HLMP-FW66-MQ000
16	1.80mm	Red	Diffused	655nm	1.6V	50mA	1.2	10mA	90°	516-1396-ND◆	.60	3.48	24.00	HLMP-6000
		Red	Diffused	645nm	1.6V	30mA	1.8	1mA	90°	516-1397-ND◆	.65	3.77	26.00	HLMP-Q150
		HE Red	Diffused	635nm	1.8V	30mA	10	10mA	90°	516-1398-ND◆	.51	3.00	20.00	HLMP-6300
		HE Red	Water Clear	635nm	1.8V	30mA	40	10mA	28°	516-1399-ND	.51	3.00	20.00	HLMP-6305
		HE Red	Diffused	635nm	1.8V	30mA	1	2mA	90°	516-1400-ND◆	.60	3.48	24.00	HLMP-7000
		HE Red	Diffused	635nm	5.0V	30mA	2	5V	90°	516-1401-ND◆	.90	5.20	38.00	HLMP-6620
		Yellow	Diffused	583nm	2.0V	20mA	9	10mA	90°	516-1402-ND◆	.51	3.00	20.00	HLMP-6400
		Yellow	Water Clear	583nm	2.0V	20mA	20	10mA	28°	516-1403-ND◆	.51	3.00	20.00	HLMP-6405
		Yellow	Diffused	583nm	2.0V	20mA	0.6	2mA	90°	516-1404-ND	.60	3.48	24.00	HLMP-7019
		Green	Diffused	565nm	2.1V	30mA	7	10mA	90°	516-1405-ND◆	.51	3.00	20.00	HLMP-6500
		Green	Water Clear	565nm	2.1V	30mA	40	10mA	28°	516-1406-ND◆	.51	3.00	20.00	HLMP-6505
			Diffused	565nm	2.1V	30mA	0.6	2mA	90°	516-1407-ND◆	.60	3.48	24.00	HLMP-7040
			Diffused	565nm	5.0V	30mA	2	5V	90°	516-1408-ND	.90	5.20	38.00	HLMP-6820

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Fig.	Description	Color	Lens	Peak Length	Forward Voltage	Forward Current	Luminous Intensity mcd @ Current		Viewing Angle	Digi-Key Part No.	Pricing 1	10	100	Tape and Reel Size	Tape and Reel Pricing	Avago Part No.
16	1.60mm	Amber	Water Clear	592nm	2.0V	50mA	150	20mA	125°	516-1410-ND	.76	4.48	31.20	—	—	HLMT-PL00
17	1.60mm	Red/Orange	Water Clear	621nm	2.0V	50mA	120	20mA	125°	516-1409-1-ND◆†	.83	4.95	35.10	1,500	275.40/M	HLMT-PH00-P0011
		Amber		592nm	2.0V	50mA	150	20mA	125°	516-1411-1-ND†	.83	4.95	35.10	1,500	275.40/M	HLMT-PL00-P0W11
	1.80mm	Amber	Water Clear	592nm	2.0V	50mA	1,000	20mA	15°	516-1412-1-ND†	.83	4.95	35.10	1,500	275.40/M	HLMT-QL00-T0011
		Yellow		583nm	2.0V	20mA	20	10mA	28°	516-1413-1-ND†	.60	3.48	24.00	1,500	192.00/M	HLMP-6405-J0011
		Green		565nm	2.1V	30mA	40	10mA	28°	516-1414-ND◆†	.60	3.48	24.00	1,500	192.00/M	HLMP-6505-L0011
18	1.80mm	HE Red	Diffused	635nm	5.0V	30mA	2	5V	90°	516-1415-ND	1.00	6.25	46.25	—	—	HLMP-6620-F0010
		Yellow		583nm	2.0V	20mA	9	10mA	90°	516-1416-ND	.72	4.20	29.25	—	—	HLMP-6400-F0010
		Green		565nm	2.1V	30mA	7	10mA	90°	516-1417-ND	.72	4.20	29.25	—	—	HLMP-6500-F0010
		Green		565nm	5.0V	30mA	2	5V	90°	516-1418-ND	1.00	6.25	46.25	—	—	HLMP-6820-F0010
19	0603	HE Red/Green	Diffused	630/570nm	2.1/2.2V	20mA	10/15	20mA	120°	516-1419-1-ND†	.39	2.24	14.70	4,000	105.00/M	HSMF-C165
20	0603	Red	Diffused	660nm	1.8V	25mA	17	20mA	170°	516-1420-1-ND†	.27	1.48	9.60	4,000	64.00/M	HSMH-C190
		Red		637nm	1.9V	30mA	90	20mA	170°	516-1421-1-ND†	.45	2.56	16.80	4,000	120.00/M	HSMC-C190
		HE Red		630nm	2.1V	20mA	10	20mA	170°	516-1422-1-ND◆†	.27	1.48	9.60	4,000	64.00/M	HSMS-C190
		Amber		595nm	1.9V	30mA	90	20mA	170°	516-1423-1-ND†	.45	2.56	16.80	4,000	120.00/M	HSMA-C190
		Yellow		589nm	2.1V	20mA	8	20mA	170°	516-1424-1-ND◆†	.27	1.48	9.60	4,000	64.00/M	HSMY-C190
		Green	Diffused	570nm	2.2V	20mA	15	20mA	170°	516-1425-1-ND◆†	.27	1.48	9.60	4,000	64.00/M	HSMG-C190
		Blue		428nm	3.8V	20mA	6	20mA	170°	516-1426-1-ND†	.98	6.25	45.00	4,000	350.00/M	HSMB-C190
21	0805	Red	Diffused	660nm	1.8V	25mA	17	20mA	170°	516-1427-1-ND◆†	.27	1.48	9.60	4,000	64.00/M	HSMH-C170
				637nm	1.9V	30mA	90	20mA	170°	516-1428-1-ND†	.43	2.48	16.80	4,000	120.00/M	HSMC-C170

† For Tape and Reel Part number, change the 1-ND to 2-ND. * For Tape and Box Part number, change the 1-ND to 3-ND. ◆ *RoHS Compliant*

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Fig. 1 — 0603 (1608) Leadless-USS Type ***NEW!***

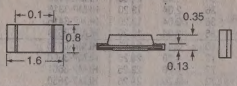


Fig. 1A

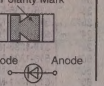


Fig. 1B

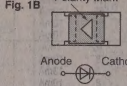


Fig. 2 — 0603 (1608) Leadless-SS Type

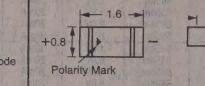


Fig. 2A

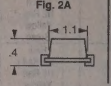


Fig. 2B

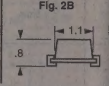


Fig. 3 — 0603 (1608) Leadless-TSS Type

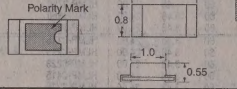


Fig. 4 — J-Lead-S Type

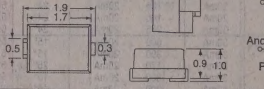
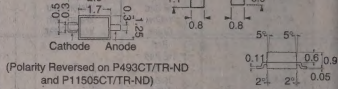


Fig. 5 — Gull Wing-S Type



(Polarity Reversed on P493CT/TR-ND and P11505CT/TR-ND)

Fig.	Lighting Color	Lens	Process Tech.	Absolute Max. Ratings (mW) PD	(mA) IF	(V) VR	(°C) Topr	Io (mcd) Typ.	(mcd) Min.	Rated (mA) IF	VF(V) Typ.	VF(V) Max.	λP Typ.	Digi-Key Part No.	Cut Tape Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Size	Pricing	Panasonic Part No.
NEW! 0603 (1608) Leadless USS Type Height=0.35mm — RoHS Compliant NEW!																					
1A	Amber	Yellow Diffused	InGaAlP	25	10	4	-30~85	16	4	5	1.95	2.5	589	P13488CT-ND	.42	.34	.24	P13488TR-ND§	5,000	103.00/M	LNJ414K82RA
	Orange	Red Diffused	InGaAlP	40	15	4	-30~85	15	7	5	1.90	2.5	620	P13489CT-ND	.42	.34	.24	P13489TR-ND§	5,000	103.00/M	LNJ814W83RA
	Yellow Green	Green Diffused	InGaAlP	40	15	4	-30~85	17	10.2	10	2.05	2.5	575	P13485CT-ND	.42	.34	.24	P13485TR-ND§	5,000	103.00/M	LNJ326W83RA
	White	White Diffused	GaN	40	10	5	-30~85	80	36	5	3.10	3.7	—	P13483CT-ND	.77	.65	.52	P13483TR-ND§	5,000	327.00/M	LNJ026X8BRA1
	Orange	Red Diffused	InGaAlP	45	20	4	-30~85	19	11.5	5	1.90	2.1	620	P13487CT-ND	.42	.34	.24	P13487TR-ND§	5,000	103.00/M	LNJ826W83RA
	Soft Orange	Yellow Diffused	InGaAlP	55	20	4	-30~85	16.9	13.5	10	1.92	2.5	610	P13486CT-ND	.42	.34	.24	P13486TR-ND§	5,000	103.00/M	LNJ826W86RA
	Blue	White Diffused	InGaN	70	20	5	-30~85	11.5	5	5	2.90	3.15	465	P13484CT-ND	.51	.39	.29	P13484TR-ND§	5,000	163.00/M	LNJ926W8CRA
1B	Amber	Yellow Diffused	InGaAlp	40	15	4	-30~85	35	12	10	2.05	2.5	595	P13496CT-ND	.34	.31	.29	P13496TR-ND§	5,000	106.00/M	LNJ426W83RA
	Pure Green	Green Diffused	InGaN	70	20	5	-30~85	40	15	5	2.90	3.25	520	P13497CT-ND	1.15	1.06	.96	P13497TR-ND§	5,000	362.00/M	LNJ626W8CRA
0603 (1608) Leadless Height=0.4mm																					
2A	High Bright Red	Red Diffused	GaAlAs	40	15	3	-30~85	6.7	2.2	10	1.72	2.5	655	P11461CT-ND	.38	.34	.31	P11461TR-ND	5,000	113.00/M	LNJ214R8ARA
	Orange	Red Diffused	GaAsP	40	15	3	-30~85	1	0.5	10	1.93	2.6	630	P11462CT-ND	.35	.32	.29	P11462TR-ND	5,000	104.00/M	LNJ814R8DRA
	Soft Orange	Yellow Diffused	GaAsP	40	15	3	-30~85	1	0.5	10	1.93	2.6	610	P11463CT-ND	.35	.32	.29	P11463TR-ND	5,000	104.00/M	LNJ814K8SRA
	Amber	Yellow Diffused	GaAsp	40	15	3	-30~85	1.5	0.6	10	2	2.6	590	P11464CT-ND	.35	.32	.29	P11464TR-ND	5,000	104.00/M	LNJ414K8YRA
	Yellow Green	Green Diffused	GaP	40	15	4	-30~85	5	1.8	10	2.03	2.6	565	P11465CT-ND	.32	.29	.26	P11465TR-ND	5,000	95.00/M	LNJ314G8TRA
Ultra Bright InGaAlP LED																					
2A	Ultra Bright Red	Red Diffused	InGaAlP	40	15	4	-30~85	15	8	10	1.92	2.5	645	P11466CT-ND	.56	.53	.48	P11466TR-ND	5,000	208.00/M	LNJ214R82RA
	Orange	Red Diffused	InGaAlP	40	15	4	-30~85	32	17	10	2.03	2.5	630	P11467CT-ND	.56	.53	.48	P11467TR-ND	5,000	208.00/M	LNJ814R83RA
	Soft Orange	Red Diffused	InGaAlP	40	15	4	-30~85	30	16	10	1.95	2.5	620	P11468CT-ND	.56	.53	.48	P11468TR-ND	5,000	208.00/M	LNJ814R88RA
	Soft Orange	Yellow Diffused	InGaAlP	40	15	4	-30~85	21	8.7	10	1.95	2.5	615	P11469CT-ND	.56	.53	.48	P11469TR-ND	5,000	208.00/M	LNJ814K87RA
	Amber	Yellow Diffused	InGaAlP	40	15	4	-30~85	26	14	10	2.1	2.5	598	P11470CT-ND	.56	.53	.48	P11470TR-ND	5,000	208.00/M	LNJ414K84RA
	Yellow Green	Green Diffused	InGaAlP	40	15	4	-30~85	12	6.4	10	2.03	2.6	570	P11471CT-ND	.56	.53	.48	P11471TR-ND	5,000	208.00/M	LNJ314G83RA
0603 (1608) Leadless Height=0.8mm																					
2B	High Bright Red	Red Diffused	GaAlAs	50	20	3	-30~85	6.7	2.2	10	1.72	2.5	660	P524CT-ND	.33	.31	.28	P524TR-ND	4,000	114.00/M	LNJ208R8ARA
	Orange	Orange Diffused	GaAsP	30	10	3	-30~85	1.1	0.4	5	1.8	2.4	630	P523CT-ND*	.33	.31	.28	P523TR-ND*	4,000	104.00/M	LNJ808R8ERA
	Soft Orange	Yellow Diffused	GaAsP	50	20	3	-30~85	1	0.4	10	1.93	2.6	610	P11132CT-ND	.33	.31	.28	P11132TR-ND	4,000	104.00/M	LNJ808K8SRA
	Amber	Yellow Diffused	GaAsP	50	20	4	-30~85	1.5	0.6	10	2	2.6	590	P11129CT-ND	.33	.31	.28	P11129TR-ND	4,000	104.00/M	LNJ408K8YRA
	Amber	Yellow Diffused	GaAsP	30	10	4	-30~85	0.9	0.4	5	1.9	2.4	590	P522CT-ND*	.33	.31	.28	P522TR-ND*	4,000	104.00/M	LNJ408K8ZRA
	Yellow Green	Green Diffused	GaP	50	20	4	-30~85	5	1.8	10	2.03	2.6	565	P525CT-ND	.33	.31	.28	P525TR-ND	4,000	95.00/M	LNJ308G8TRA
	Yellow Green	Green Diffused	GaP	30	10	4	-30~85	2.1	0.7	5	1.9	2.4	565	P521CT-ND*	.33	.31	.28	P521TR-ND*	4,000	95.00/M	LNJ308G8LRA
	Pure Green	Green Diffused	GaP	50	20	4	-25~85	0.7	0.25	10	2.03	2.6	555	P11485CT-ND	.35	.32	.29	P11485TR-ND	4,000	114.00/M	LNJ308G8PRA
Ultra Bright InGaAlP LED																					
2B	Ultra Bright Red	Red Diffused	InGaAlP	55	20	4	-25~85	15	8	10	1.92	2.5	645	P11486CT-ND	.52	.49	.44	P11486TR-ND	4,000	209.00/M	LNJ208R82RA
	Orange	Red Diffused	InGaAlP	55	20	4	-25~85	32	17	10	2.03	2.5	630	P11487CT-ND	.52	.49	.44	P11487TR-ND	4,000	209.00/M	LNJ808R83RA
	Orange	Red Diffused	InGaAlP	50	20	4	-25~85	6.5	2.5	10	1.9	2.3	620	P11131CT-ND	.53	.49	.45	P11131TR-ND	4,000	209.00/M	LNJ808R88RA
	Soft Orange	Yellow Diffused	InGaAlP	55	20	4	-25~85	21	7	10	1.95	2.5	615	P11488CT-ND	.52	.49	.44	P11488TR-ND	4,000	209.00/M	LNJ808K87RA
	Amber	Yellow Diffused	InGaAlP	50	20	4	-25~85	10.5	4	10	2	2.3	595	P11130CT-ND	.53	.49	.45	P11130TR-ND	4,000	209.00/M	LNJ408K84RA
	Yellow Green	Green Diffused	InGaAlP	55	20	4	-25~85	12	6.4	10	2.03	2.5	575	P11489CT-ND	.52	.49	.44	P11489TR-ND	4,000	209.00/M	LNJ308G83RA
(1608) Leadless Height=0.55mm																					
3	High Bright Red	Red Diffused	GaAlAs	50	20	3	-30~85	6.7	2.2	10	1.72	2.5	655	P11133CT-ND	.33	.31	.28	P11133TR-ND	5,000	104.00/M	LNJ212R8ARA
	Orange	Orange Diffused	GaAsP	50	20	3	-30~85	1	0.4	10	1.93	2.6	630	P11594CT-ND	.32	.29	.26	P11594TR-ND	5,000	95.00/M	LNJ812R8DRA
	Soft Orange	Yellow Diffused	GaAsP	50	20	3	-30~85	1	0.5	10	1.93	2.6	610	P11472CT-ND	.32	.29	.26	P11472TR-ND	5,000	95.00/M	LNJ812K8SRA
	Amber	Yellow Diffused	GaAsP	50	20	4	-30~85	1.5	0.6	5	2	2.6	590	P11135CT-ND	.33	.31	.28	P11135TR-ND	5,000	95.00/M	LNJ412K8YRA
	Yellow Green	Green Diffused	Gap	50	20	4	-30~85	5	1.8	5	2.03	2.6	565	P11134CT-ND	.33	.31	.28	P11134TR-ND	5,000	86.90/M	LNJ312G8TRA
	Yellow Green	Green Diffused	Gap	30	10	4	-30~85	3	1.8	10	1.9	2.4	565	P11473CT-ND	.29	.26	.24	P11473TR-ND	5,000	86.00/M	LNJ312G8LRA
Ultra Bright InGaAlP / GaN LED																					
3	Red	Red Diffused	InGaAlP	55	20	4	-30~85	15	8	10	1.92	2.5	645	P11475CT-ND	.52	.49	.44	P11475TR-ND	5,000	190.00/M	LNJ212R82RA
	Orange	Red Diffused	InGaAlP	55	20	4	-30~85	32	17	10	2.03	2.5	630	P11476CT-ND	.52	.49	.44	P11476TR-ND	5,000	190.00/M	LNJ812R83RA
	Orange	Red Diffused	InGaAlP	55	20	4	-30~85	30	16	10	1.95	2.5	620	P11477CT-ND	.52	.49	.44	P11477TR-ND	5,000	190.00/M	LNJ812R88RA
	Soft Orange	Yellow Diffused	InGaAlP	55	20	4	-30~85	21	7	10	1.95	2.5	615	P11478CT-ND	.52	.49	.44	P11478TR-ND	5,000	190.00/M	LNJ812K87RA
	Amber	Yellow Diffused	InGaAlP	55	20	4	-30~85	26	14	10	2.1	2.5	595	P11479CT-ND	.52	.49	.44	P11479TR-ND	5,000	190.00/M	LNJ412K84RA
	Yellow Green	Green Diffused	InGaAlP	55	20	4	-30~85	12	6.4	20	2.03	2.5	575	P11480CT-ND	.52	.49	.44	P11480TR-ND	5,000	190.00/M	LNJ312G83RA
	Pure Green	White Diffused	GaN	40	10	5	-25~85	34	10.3	5	3	3.7	525	P11481CT-ND	4.15	3.90	3.64	P11481TR-ND	5,000	1724.00/M	LNJ612W8WRA
	Blue	White Diffused	GaN	40	10	5	-25~85	8.5	3.2	5	3.2	3.7	470	P11482CT-ND	4.15	3.90	3.64	P11482TR-ND	2,000	1724.00/M	LNJ912W88RA
	White	White Diffused	GaN	40	10	5	-30~85	76	47	10	3.2	3.7	—	P12023CT-ND	4.91	4.58	4.15	P12023TR-ND	5,000	1809.00/M	LNJ012K88RA
0805 (2012) J- Lead S-J Type 2mm pitch Taping																					
4	Red	Red Diffused	GaP	60	20	4	-25~85	0.4	0.15	10	2.03	2.6	700	P11490CT-ND	.33	.30	.27	P11490TR-ND	6,000	99.00/M	LNJ206R5RRX
	High Bright Red	Red Diffused	GaAlAs	60	20	3	-25~85	5	1.7	10	1.72	2.5	660	P11136CT-ND	.33	.31	.28	P11136TR-ND	6,000	113.00/M	LNJ206R5ARA
	Soft Orange	Yellow Diffused	GaAsP	60	20	3	-25~85	0.8	0.3	10	1.93	2.6	610	P11491CT-ND	.35	.32	.29	P11491TR-ND	6,000	104.00/M	LNJ806K5SRX
	Amber	Yellow Diffused	GaAsP	60	20	4	-25~85	1	0.4	10	2	2.6	590	P11492CT-ND	.35	.32	.29	P11492TR-ND	6,000	104.00/M	LNJ406K5YRX
	Yellow Green	Green Diffused	GaP	60	20	4	-25~85	2.6	0.9	10	2.03	2.6	565	P11137CT-ND	.33	.31	.28	P11137TR-ND	6,000	99.00/M	LNJ306G5URA
	Pure Green	Green Diffused	GaP	60	20	4	-25~85	0.65	0.25	10	2.03	2.6	555	P11493CT-ND	.38	.34	.31	P11493TR-ND	6,000	113.00/M	LNJ306G5PRX
Ultra Bright InGaAlP LED																					
4	Orange	Red Diffused	InGaAlP	50	20	4	-25~85	5	2	10	1.9	2.3	620	P11494CT-ND	.56	.53	.48	P11494TR-ND	6,000	208.00/M	LNJ806R58RX
	Amber	Yellow Diffused	InGaAlP	50	20	4	-25~85	8.5	3.5	10	2	2.3	595	P11495CT-ND	.56	.53	.48	P11495TR-ND	6,000	208.00/M	LNJ406K54RX
0805 (2012) J- Lead S-J Type 4mm pitch Taping																					
4	Red	Red Diffused	GaP	60	20	4	-25~85	0.4	0.15	10	2.03	2.6	700	P11496CT-ND	.33	.30	.27	P11496TR-ND	3,000	108.00/M	LNJ206R5RUX
	High Bright Red	Red Diffused	GaAlAs	60	20	3	-25~85	5	1.7	5	1.72	2.5	660	P11497CT-ND	.38	.34	.31	P11497TR-ND	3,000	124.00/M	LNJ206R5AUX
	Soft Orange	Yellow Diffused	GaAsP	60	20	3	-25~85	0.8	0.3	10	1.93	2.6	610	P11498CT-ND	.35	.32	.29	P11498TR-ND	3,000	114.00/M	LNJ806K5SUX
	Amber	Yellow Diffused	GaAsP	60	20	4	-25~85	1	0.4	10	2	2.6	590	P11499CT-ND	.35	.32	.29	P11499TR-ND	3,000	114.00/M	LNJ406K5YUX
	Yellow Green	Green Diffused	GaP	60	20	4	-25~85	3.5	1.35	10	2.03	2.6	565	P11500CT-ND	.33	.30	.27	P11500TR-ND	3,000	108.00/M	LNJ306G5UUX
	Pure Green	Green Diffused	GaP	60	20	4	-25~85	0.65	0.25	10	2.03	2.6	555	P11501CT-ND	.38	.34	.31	P11501TR-ND	3,000	124.00/M	LNJ306G5PUX
Ultra Bright InGaAlP / GaN LED																					
4	Orange	Red Diffused	InGaAlP	50	20	4	-25~85	5	2	10	1.9	2.3	620	P11502CT-ND	.56	.53	.48	P11502TR-ND	3,000	229.00/M	LNJ806R58UX
	Amber	Yellow Diffused	InGaAlP	50	20	4	-25~85	8.5	3.5	10	2	2.3	595	P11503CT-ND	.56	.53	.48	P11503TR-ND	3,000	229.00/M	LNJ406K54UX
	Blue	White Diffused	GaN	40	10	5	-25~85	5.5	2	5	3.2	3.7	470	P11504CT-ND	4.15	3.90	3.64	P11504TR-ND	3,000	1895.00/M	LNJ906W5BUX
0805 (2012) Gull Wing S-GW Type 2mm pitch Taping																					
5	Red	Red Diffused	GaP	60	20	4	-25~85	0.4	0.15	10	2.03	2.6	700	P490CT-ND	—	.31	.28	P490TR-ND	6,000	99.00/M	LN1271RTR

* Low current LED, same brightness as previous design with half the power, ideal for battery powered equipment. † Thru-Board type

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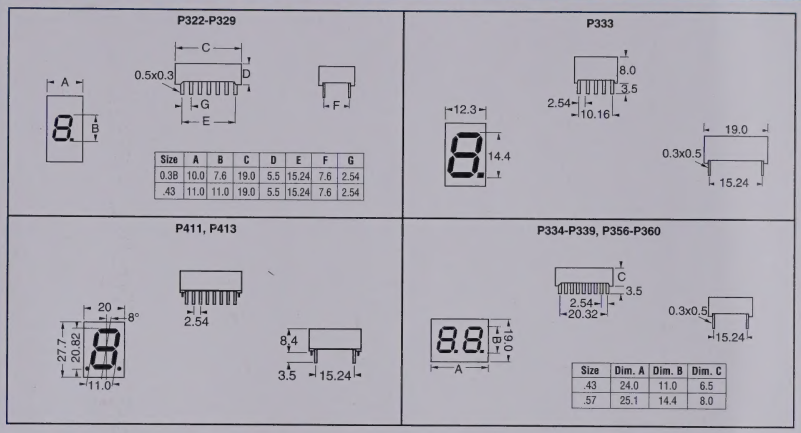
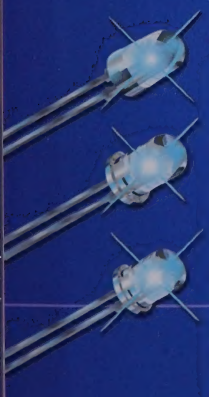
LED Numeric Displays



Color	Size	Absolute Max. Ratings (Ta = 25°C) VR (V)	IF (mA)	IFP† (mA)	PD (mW)	Characteristics (Ta = 25°C) at IF (mA)	IO Typ. (seg.) (µcd)	Typ. (D.P.) (µcd)	at IF (mA)	VF Typ. (V)	Digi-Key Part No. Common Anode	Common Cathode	Pricing 1	10	200	1000	Panasonic Part No. Common Anode	Common Cathode
Red	0.3B	5	20	100	60	5	400	150	20	2.2	P322-ND	—	1.56	14.18	243.81	1049.31	LN513RA	—
Amber	0.3B	5	20	100	60	10	600	200	20	2.2	P324-ND	—	1.90	17.25	296.70	1276.93	LN513YA	—
Orange	0.3B	3	20	100	60	10	1,000	400	20	2.1	P325-ND	—	1.95	17.72	304.76	1311.63	LN5130A	—
Red	.43	5	20	100	60	5	450	150	20	2.2	P326-ND	—	1.57	14.25	245.10	1054.86	LN514RA	—
Amber	.43	5	20	100	60	10	600	200	20	2.2	P328-ND	—	2.11	19.17	329.72	1419.06	LN514YA	—
Orange	.43	3	20	100	60	10	1,200	500	20	2.1	P329-ND	—	2.11	19.17	329.72	1419.06	LN5140A	—
Orange	.57	3	20	100	60	10	1,200	500	20	2.1	P333-ND	—	2.27	20.66	355.27	1528.99	LN5160A	—
Red	.82	5	20	100	60	5	450	150	20	2.2	P411-ND	—	3.16	28.75	494.50	2128.22	LN518RA	—
Amber	.82	5	20	100	60	10	800	300	20	2.2	P413-ND	—	4.07	37.00	636.40	2738.93	LN518YA	—
Red	.43	5	20	100	60	5	450	150	20	2.2	P334-ND	—	2.11	19.17	329.72	1419.06	LN524RA	—
Green	.43	5	20	100	60	10	1,500	500	20	2.2	P335-ND	P356-ND	2.44	22.14	380.81	1638.92	LN524GA	LN524GK
Amber	.43	5	20	100	60	10	600	200	20	2.2	P336-ND	—	2.89	26.25	451.50	1943.16	LN524YA	—
Red	.57	5	20	100	60	5	600	250	20	2.2	P337-ND	P358-ND	2.06	18.75	322.50	1387.97	LN526RA	LN526RK
Amber	.57	5	20	100	60	10	800	300	20	2.2	P339-ND	P360-ND	2.97	27.00	464.40	1998.68	LN526YA	LN526YK

† The condition of IFP is duty 10%, pulse width is 1 msec.

Blue LEDs



High Brightness

Max Ratings:

Power Consumption: 120mW
Forward Current: 30mA
Reverse Voltage: 5V
Operating Ambient Temperature: -25 ~ +80°C.
Storage Temperature: -30 ~ +100°C
Water clear lens when off.

Blue LED Precautions in Handling:

A blue LED is sensitive to static electricity and care should be fully taken in handling it. Particularly, when an overvoltage is applied, which exceeds the absolute maximum rating of the blue LED, its energy damages the LED.

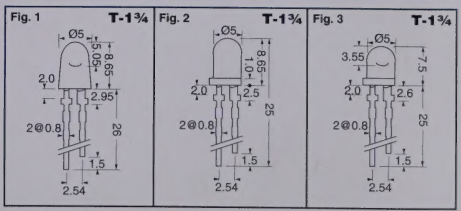


Fig.	Io mcd Typ	mcd Min	(mA) IF	VF (V) Max	VF (V) Typ	λp Typ	Δλ Typ	(mA) IF	IR (µA) Max	(V) VR	Viewing Angle (deg)	Digi-Key Part No.	Pricing 1	10	200	1,000	Panasonic Part No.
1	1500	640	20	4.0	3.5	470	30	20	10	5	15	P465-ND	2.67	24.95	463.32	1797.50	LNG992CFBW
2	650	260	20	4.0	3.5	470	30	20	10	5	30	P466-ND	2.67	24.95	463.32	1797.50	LNG901CFBW
3	350	140	20	4.0	3.5	470	30	20	10	5	45	P467-ND	2.67	24.95	463.32	1797.50	LNG91LCFBW

Panasonic® LEDs

Package	Lens Size	Color	Electro-Optical Character (Ta=25°C) PD (mW)	IF (mA)	VR (V)	IO (mcd)	λp (nm)	Dimensions (mm) Lens Height	Lead Length	Lead Spacing	Digi-Key Part No.	Pricing 10	200	1,000	5,000	Panasonic Part No.
T-1	ϕ3.0	Red Diffused	70	25	4	0.8	700	5.0	15.0, 16.5	2.54	P363-ND	1.68	27.00	105.46	97.17/M	LN28RP
	ϕ3.0	Green Diffused	90	30	4	2.0	565	5.0	15.0, 16.5	2.54	P364-ND	2.15	34.50	112.64	103.78/M	LN38GP
	ϕ3.0	Green Clear	90	30	4	4.0	565	5.0	15.0, 16.5	2.54	P309-ND	2.15	34.50	112.64	103.78/M	LN38GCP
	ϕ3.0	Red Diffused	70	25	4	0.8	700	5.0	15.0, 16.5	2.54	P363-ND	1.68	27.00	105.46	97.17/M	LN28RP
	ϕ3.0	Red Diffused	70	25	4	2.8	700	5.5	26.5, 28.0	2.54	P563-ND	2.24	36.00	124.62	114.82/M	LN28RPX
	ϕ3.0	Green Diffused	90	30	4	10.0	565	5.5	26.5, 28.0	2.54	P564-ND	2.84	45.57	139.01	128.08/M	LN38GPX
	ϕ3.0	Amber Diffused	90	30	4	5.0	590	5.5	26.5, 28.0	2.54	P565-ND	3.50	60.20	187.32	171.29/M	LN48YPX
	ϕ3.0	Orange Red Diff.	90	30	3	5.0	630	5.5	26.5, 28.0	2.54	P566-ND	3.18	51.07	155.79	143.54/M	LN88RPX
	ϕ3.0	Clear Red Diffused	70	25	4	3.0	700	5.5	26.5, 28.0	2.54	P606-ND	1.87	31.11	105.76	99.54/M	LN28RCPX
	ϕ3.0	Clear Green Diff.	90	30	4	8.0	565	5.5	26.5, 28.0	2.54	P607-ND	2.15	34.50	112.64	103.78/M	LN38GCPX
	ϕ3.0	Clear Amber Diff.	90	30	4	15.0	590	5.5	26.5, 28.0	2.54	P608-ND	2.24	36.00	122.23	112.61/M	LN48YCPX
	ϕ3.2	Red Diffused	70	25	4	1.0	700	4.6	24.5, 26.0	2.54	P567-ND	2.70	43.44	131.81	121.45/M	LN276RPX
	ϕ3.2	Red Clear	70	25	4	1.5	700	4.6	24.5, 26.0	2.54	P568-ND	2.70	43.44	131.81	121.45/M	LN276RCX
	ϕ3.2	Green Diffused	90	30	4	5.0	565	4.6	24.5, 26.0	2.54	P569-ND	2.84	45.57	139.01	128.08/M	LN376GPX
	ϕ3.2	Green Clear	90	30	4	15.0	565	4.6	24.5, 26.0	2.54	P570-ND	2.84	45.57	139.01	128.08/M	LN376GCPX
	ϕ3.2	Orange Red Clear	90	30	3	10.0	630	4.6	24.5, 26.0	2.54	P571-ND	3.18	51.07	155.79	143.54/M	LN876RCPX
T-1½	ϕ4.0	Red Diffused	70	25	4	2.0	700	6.0	26.45, 27.95	2.54	P572-ND	2.24	36.00	124.62	114.82/M	LN29RPX
	ϕ4.0	Green Diffused	90	30	4	6.0	565	6.0	26.45, 27.95	2.54	P573-ND	2.84	45.57	139.01	128.08/M	LN39GPX
	ϕ4.0	Amber Diffused	90	30	4	10.0	590	6.0	26.45, 27.95	2.54	P574-ND	3.50	60.20	187.32	171.29/M	LN49YPX
	ϕ4.0	Green Diffused	90	30	4	5.0	565	6.0	15.0, 16.5	2.54	P368-ND	2.15	34.50	112.64	103.78/M	LN39GPP
	ϕ4.0	Clear Red Diffused	70	25	4	3.5	700	6.0	26.5, 28.0	2.54	P602-ND	1.87	31.11	105.76	99.54/M	LN29RCPX
	ϕ4.0	Clear Green Diff.	90	30	4	20.0	565	6.0	26.5, 28.0	2.54	P603-ND	2.15	34.50	112.64	103.78/M	LN39GCPXUY
T-1¾	ϕ5.0	Red Clear	70	25	4	5.0	700	8.65	12.0, 13.5	2.54	P301-ND	1.68	27.00	107.85	99.37/M	LN21RCPHL
	ϕ5.0	Green Clear	90	30	4	20.0	565	8.65	12.0, 13.5	2.54	P302-ND	2.15	34.50	112.64	103.78/M	LN31GCPHL
	ϕ5.0	Orange Red Clear	90	30	3	20.0	630	8.65	12.0, 13.5	2.54	P305-ND	2.24	36.00	122.23	112.61/M	LN81RCPHL
	ϕ5.0	Red Diffused	70	25	4	3.0	700	8.65	25.0, 26.5	2.54	P374-ND	1.68	27.00	107.85	99.37/M	LN21RPH
	ϕ5.0	Green Diffused	90	30	4	15.0	565	8.65	25.0, 26.5	2.54	P375-ND	2.15	34.50	112.64	103.78/M	LN31GPH
	ϕ5.0	Amber Diffused	90	30	4	8.0	590	8.65	25.0, 26.5	2.54	P372-ND	2.24	36.00	122.23	112.61/M	LN41YPH
	ϕ5.0	Orange Red Diff.	90	30	3	10.0	630	8.65	25.0, 26.5	2.54	P373-ND	2.24	36.00	122.23	112.61/M	LN81RPH
	ϕ5.0	Red Clear†	70	25	4	5.0	700	8.65	12.0, 13.5	2.54	P576-ND	2.24	36.00	124.62	114.82/M	LN21CPHL
	ϕ5.0	Orange Red Diff.#	90	30	3	15.0	630	8.65	12.0, 13.5	2.54	P578-ND	3.50	60.20	187.32	171.29/M	LN81WPHL
	ϕ5.0	Red Clear	70	25	4	5.0	700	8.65	25.0, 26.5	2.54	P581-ND	2.15	34.51	119.83	110.41/M	LN21RCPH
	ϕ5.0	Red Diffused#	70	25	4	3.0	700	8.65	25.0, 26.5	2.54	P582-ND	2.15	34.51	119.83	110.41/M	LN21WPH
	ϕ5.0	Red Clear†	70	25	4	5.0	700	8.65	25.0, 26.5	2.54	P583-ND	2.15	34.51	119.83	110.41/M	LN21CPH
	ϕ5.0	Green Clear	90	30	4	20.0	565	8.65	25.0, 26.5	2.54	P584-ND	2.70	43.41	127.03	117.04/M	LN31GCPH
	ϕ5.0	Green Yellow Clear	90	30	4	56.0	563	8.65	25.0, 26.5	2.54	P585-ND	2.70	43.41	127.03	117.04/M	LN31YCPH
	ϕ5.0	Amber Clear	90	30	4	20.0	590	8.65	25.0, 26.5	2.54	P586-ND	2.75	44.23	129.42	119.24/M	LN41YCPH
	ϕ5.0	Orange Red Clear	90	30	3	20.0	630	8.65	25.0, 26.5	2.54	P587-ND	2.80	45.02	136.62	125.87/M	LN81RCPH
	ϕ5.0	Orange Red Clear†	90	30	3	25.0	630	8.65	25.0, 26.5	2.54	P588-ND	2.80	45.02	136.62	125.87/M	LN81CPH
	ϕ5.0	Red Diffused	70	25	4	3.0	700	8.65	27.0, 28.5	2.54	P589-ND	2.24	36.00	124.62	114.82/M	LN21RPX
	ϕ5.0	Green Diffused	90	30	4	15.0	565	8.65	27.0, 28.5	2.54	P590-ND	2.70	43.41	127.03	117.04/M	LN31GPX
	ϕ5.0	Orange Red Diff.	90	30	3	10.0	630	8.65	26.5, 28.0	2.54	P601-ND	2.24	36.00	122.23	112.61/M	LNG801RKD
	ϕ5.0	Amber Diffused	90	30	4	15.0	590	8.65	27.0, 28.5	2.54	P600-ND	2.24	36.00	122.23	112.61/M	LNG401YKX
	ϕ5.0	Red Diffused	70	25	4	4.0	700	7.5	26.5, 28.0	2.54	P598-ND	2.52	40.97	125.79	115.01/M	LNG21LRKR
	ϕ5.0	Green Diffused	90	30	4	20.0	565	7.5	26.5, 28.0	2.54	P599-ND	2.56	41.76	128.22	117.24/M	LN31GPSLX

† Water clear lens when off. # White diffused lens when off.

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